



# **Ursa Operating Company, LLC**

**Rockies Region**

**Valley Farms G**

**Valley Farms G 42B-14-06-92**

**Wellbore #1**

**Plan: Design #1**

## **Standard Planning Report**

**10 May, 2015**



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Company:</b>	Ursa Operating Company, LLC	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Project:</b>	Rockies Region	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site:</b>	Valley Farms G	<b>North Reference:</b>	True
<b>Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

<b>Project</b>	Rockies Region		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Colorado Central Zone		

Site	Valley Farms G				
Site Position:		Northing:	1,624,165.22 usft	Latitude:	39° 31' 39.977 N
From:	Lat/Long	Easting:	2,399,120.26 usft	Longitude:	107° 37' 49.521 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	-1.34 °

Well	Valley Farms G 42B-14-06-92, SHL: 39.527634245 -107.630423113					
Well Position	+N/-S	-50.0 usft	Northing:	1,624,115.25 usft	Latitude:	39° 31' 39.483 N
	+E/-W	-0.2 usft	Easting:	2,399,118.89 usft	Longitude:	107° 37' 49.523 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	5,640.0 usft	Ground Level:	5,623.0 usft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	5/3/2015	9.69	65.72	51,924

<b>Design</b>	Design #1				
<b>Audit Notes:</b>					
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE		<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>	
	0.0	0.0	0.0	53.33	

<b>Plan Sections</b>										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,075.0	0.00	0.00	1,075.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,175.0	3.50	83.00	1,174.9	0.4	3.0	3.50	3.50	0.00	83.00	
1,604.7	17.97	52.89	1,596.1	42.2	69.3	3.50	3.37	-7.01	-36.61	
4,471.2	17.97	52.89	4,322.9	575.7	774.4	0.00	0.00	0.00	0.00	
5,070.1	0.00	0.00	4,912.0	631.9	848.7	3.00	-3.00	0.00	180.00	Valley Farms G 42B-1
7,555.1	0.00	0.00	7,397.0	631.9	848.7	0.00	0.00	0.00	0.00	

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
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<b>Project:</b>	Rockies Region	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site:</b>	Valley Farms G	<b>North Reference:</b>	True
<b>Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
Surface Casing									
1,075.0	0.00	0.00	1,075.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 3.50									
1,100.0	0.88	83.00	1,100.0	0.0	0.2	0.2	3.50	3.50	0.00
1,175.0	3.50	83.00	1,174.9	0.4	3.0	2.7	3.50	3.50	0.00
Start DLS 3.50 TFO -36.61									
1,200.0	4.23	75.91	1,199.9	0.7	4.7	4.2	3.50	2.94	-28.34
1,300.0	7.48	62.55	1,299.3	4.6	14.0	14.0	3.50	3.25	-13.37
1,400.0	10.89	57.36	1,398.1	12.7	27.8	29.9	3.50	3.40	-5.19
1,500.0	14.34	54.63	1,495.6	24.9	45.8	51.7	3.50	3.45	-2.72
1,604.7	17.97	52.89	1,596.1	42.2	69.3	80.8	3.50	3.47	-1.67
Start 2866.5 hold at 1604.7 MD									
1,700.0	17.97	52.89	1,686.8	59.9	92.7	110.2	0.00	0.00	0.00
1,800.0	17.97	52.89	1,782.0	78.5	117.3	141.0	0.00	0.00	0.00
1,900.0	17.97	52.89	1,877.1	97.2	141.9	171.9	0.00	0.00	0.00
2,000.0	17.97	52.89	1,972.2	115.8	166.5	202.7	0.00	0.00	0.00
2,100.0	17.97	52.89	2,067.3	134.4	191.1	233.5	0.00	0.00	0.00
2,200.0	17.97	52.89	2,162.5	153.0	215.7	264.4	0.00	0.00	0.00
2,300.0	17.97	52.89	2,257.6	171.6	240.3	295.2	0.00	0.00	0.00
2,400.0	17.97	52.89	2,352.7	190.2	264.9	326.1	0.00	0.00	0.00
2,500.0	17.97	52.89	2,447.8	208.8	289.5	356.9	0.00	0.00	0.00
2,600.0	17.97	52.89	2,542.9	227.4	314.1	387.8	0.00	0.00	0.00
2,700.0	17.97	52.89	2,638.1	246.1	338.7	418.6	0.00	0.00	0.00
2,800.0	17.97	52.89	2,733.2	264.7	363.3	449.5	0.00	0.00	0.00
2,900.0	17.97	52.89	2,828.3	283.3	387.9	480.3	0.00	0.00	0.00
3,000.0	17.97	52.89	2,923.4	301.9	412.5	511.2	0.00	0.00	0.00
3,100.0	17.97	52.89	3,018.6	320.5	437.1	542.0	0.00	0.00	0.00
3,200.0	17.97	52.89	3,113.7	339.1	461.7	572.8	0.00	0.00	0.00
3,300.0	17.97	52.89	3,208.8	357.7	486.3	603.7	0.00	0.00	0.00
3,400.0	17.97	52.89	3,303.9	376.3	510.9	634.5	0.00	0.00	0.00
3,500.0	17.97	52.89	3,399.1	394.9	535.5	665.4	0.00	0.00	0.00
3,600.0	17.97	52.89	3,494.2	413.6	560.1	696.2	0.00	0.00	0.00
3,700.0	17.97	52.89	3,589.3	432.2	584.7	727.1	0.00	0.00	0.00
3,726.0	17.97	52.89	3,614.0	437.0	591.1	735.1	0.00	0.00	0.00
Williams Fork									
3,800.0	17.97	52.89	3,684.4	450.8	609.3	757.9	0.00	0.00	0.00
3,900.0	17.97	52.89	3,779.6	469.4	633.9	788.8	0.00	0.00	0.00
4,000.0	17.97	52.89	3,874.7	488.0	658.5	819.6	0.00	0.00	0.00
4,100.0	17.97	52.89	3,969.8	506.6	683.1	850.4	0.00	0.00	0.00
4,200.0	17.97	52.89	4,064.9	525.2	707.7	881.3	0.00	0.00	0.00

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<b>Project:</b>	Rockies Region	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site:</b>	Valley Farms G	<b>North Reference:</b>	True
<b>Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,300.0	17.97	52.89	4,160.1	543.8	732.3	912.1	0.00	0.00	0.00
4,400.0	17.97	52.89	4,255.2	562.4	756.9	943.0	0.00	0.00	0.00
4,471.2	17.97	52.89	4,322.9	575.7	774.4	964.9	0.00	0.00	0.00
<b>Start Drop -3.00</b>									
4,500.0	17.10	52.89	4,350.4	580.9	781.3	973.6	3.00	-3.00	0.00
4,600.0	14.10	52.89	4,446.7	597.2	802.8	1,000.5	3.00	-3.00	0.00
4,700.0	11.10	52.89	4,544.2	610.3	820.2	1,022.3	3.00	-3.00	0.00
4,800.0	8.10	52.89	4,642.8	620.4	833.5	1,039.0	3.00	-3.00	0.00
4,900.0	5.10	52.89	4,742.2	627.3	842.6	1,050.5	3.00	-3.00	0.00
5,000.0	2.10	52.89	4,842.0	631.1	847.6	1,056.8	3.00	-3.00	0.00
5,070.1	0.00	0.00	4,912.0	631.9	848.7	1,058.1	3.00	-3.00	0.00
<b>Start 2485.0 hold at 5070.1 MD - Back to Vertical - Top of Gas</b>									
5,100.0	0.00	0.00	4,941.9	631.9	848.7	1,058.1	0.00	0.00	0.00
5,200.0	0.00	0.00	5,041.9	631.9	848.7	1,058.1	0.00	0.00	0.00
5,300.0	0.00	0.00	5,141.9	631.9	848.7	1,058.1	0.00	0.00	0.00
5,400.0	0.00	0.00	5,241.9	631.9	848.7	1,058.1	0.00	0.00	0.00
5,500.0	0.00	0.00	5,341.9	631.9	848.7	1,058.1	0.00	0.00	0.00
5,600.0	0.00	0.00	5,441.9	631.9	848.7	1,058.1	0.00	0.00	0.00
5,700.0	0.00	0.00	5,541.9	631.9	848.7	1,058.1	0.00	0.00	0.00
5,800.0	0.00	0.00	5,641.9	631.9	848.7	1,058.1	0.00	0.00	0.00
5,900.0	0.00	0.00	5,741.9	631.9	848.7	1,058.1	0.00	0.00	0.00
6,000.0	0.00	0.00	5,841.9	631.9	848.7	1,058.1	0.00	0.00	0.00
6,100.0	0.00	0.00	5,941.9	631.9	848.7	1,058.1	0.00	0.00	0.00
6,200.0	0.00	0.00	6,041.9	631.9	848.7	1,058.1	0.00	0.00	0.00
6,259.1	0.00	0.00	6,101.0	631.9	848.7	1,058.1	0.00	0.00	0.00
<b>Cameo</b>									
6,300.0	0.00	0.00	6,141.9	631.9	848.7	1,058.1	0.00	0.00	0.00
6,400.0	0.00	0.00	6,241.9	631.9	848.7	1,058.1	0.00	0.00	0.00
6,500.0	0.00	0.00	6,341.9	631.9	848.7	1,058.1	0.00	0.00	0.00
6,600.0	0.00	0.00	6,441.9	631.9	848.7	1,058.1	0.00	0.00	0.00
6,700.0	0.00	0.00	6,541.9	631.9	848.7	1,058.1	0.00	0.00	0.00
6,800.0	0.00	0.00	6,641.9	631.9	848.7	1,058.1	0.00	0.00	0.00
6,900.0	0.00	0.00	6,741.9	631.9	848.7	1,058.1	0.00	0.00	0.00
7,000.0	0.00	0.00	6,841.9	631.9	848.7	1,058.1	0.00	0.00	0.00
7,100.0	0.00	0.00	6,941.9	631.9	848.7	1,058.1	0.00	0.00	0.00
7,200.0	0.00	0.00	7,041.9	631.9	848.7	1,058.1	0.00	0.00	0.00
7,255.1	0.00	0.00	7,097.0	631.9	848.7	1,058.1	0.00	0.00	0.00
<b>Rollins</b>									
7,300.0	0.00	0.00	7,141.9	631.9	848.7	1,058.1	0.00	0.00	0.00
7,400.0	0.00	0.00	7,241.9	631.9	848.7	1,058.1	0.00	0.00	0.00
7,500.0	0.00	0.00	7,341.9	631.9	848.7	1,058.1	0.00	0.00	0.00
7,555.0	0.00	0.00	7,396.9	631.9	848.7	1,058.1	0.00	0.00	0.00
<b>BHL: 39.529369, -107.6274144</b>									
7,555.1	0.00	0.00	7,397.0	631.9	848.7	1,058.1	0.00	0.00	0.00
<b>TD at 7555.1 - TD</b>									

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<b>Project:</b>	Rockies Region	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site:</b>	Valley Farms G	<b>North Reference:</b>	True
<b>Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

## Design Targets

### Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- Shape									
Valley Farms G 42B-14-06-92	0.00	0.00	4,912.0	631.9	848.7	1,624,727.06	2,399,982.13	39° 31' 45.728 N	107° 37' 38.692 W
- plan hits target center									
- Rectangle (sides W100.0 H40.0 D2,485.0)									

## Formations

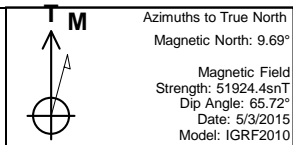
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,726.0	3,614.0	Williams Fork		0.00	
5,070.1	4,912.0	Top of Gas		0.00	
6,259.1	6,101.0	Cameo		0.00	
7,255.1	7,097.0	Rollins		0.00	
7,555.1	7,397.0	TD		0.00	

## Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,000.0	1,000.0	0.0	0.0	Surface Casing
1,075.0	1,075.0	0.0	0.0	Start Build 3.50
1,175.0	1,174.9	0.4	3.0	Start DLS 3.50 TFO -36.61
1,604.7	1,596.1	42.2	69.3	Start 2866.5 hold at 1604.7 MD
4,471.2	4,322.9	575.7	774.4	Start Drop -3.00
5,070.1	4,912.0	631.9	848.7	Start 2485.0 hold at 5070.1 MD
5,070.1	4,912.0	631.9	848.7	Back to Vertical
7,555.0	7,396.9	631.9	848.7	BHL: 39.529369, -107.6274144
7,555.1	7,397.0	631.9	848.7	TD at 7555.1



Well Name: Valley Farms G 42B-14-06-92  
Surface Location: Valley Farms G  
North American Datum 1983, US State Plane 1983, Colorado Central Zone  
Ground Elevation: 5623.0  
+N/-S +E/-W Northing Easting Latitude Longitude Slot  
0.0 0.0 1624115.25 2399118.89 39° 31' 39.483 N 107° 37' 49.523 W  
PLAN KB Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)



Valley Farms G  
Valley Farms G 42B-14-06-92  
Design #1  
19:00, May 10 2015

#### WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Valley Farms G 42B-14-06-92 TGT	4912.0	631.9	848.7	1624727.07	2399982.13	39° 31' 45.728 N	107° 37' 38.692 W	Rectangle (Sides: L40.0 W100.0)

#### SECTION DETAILS

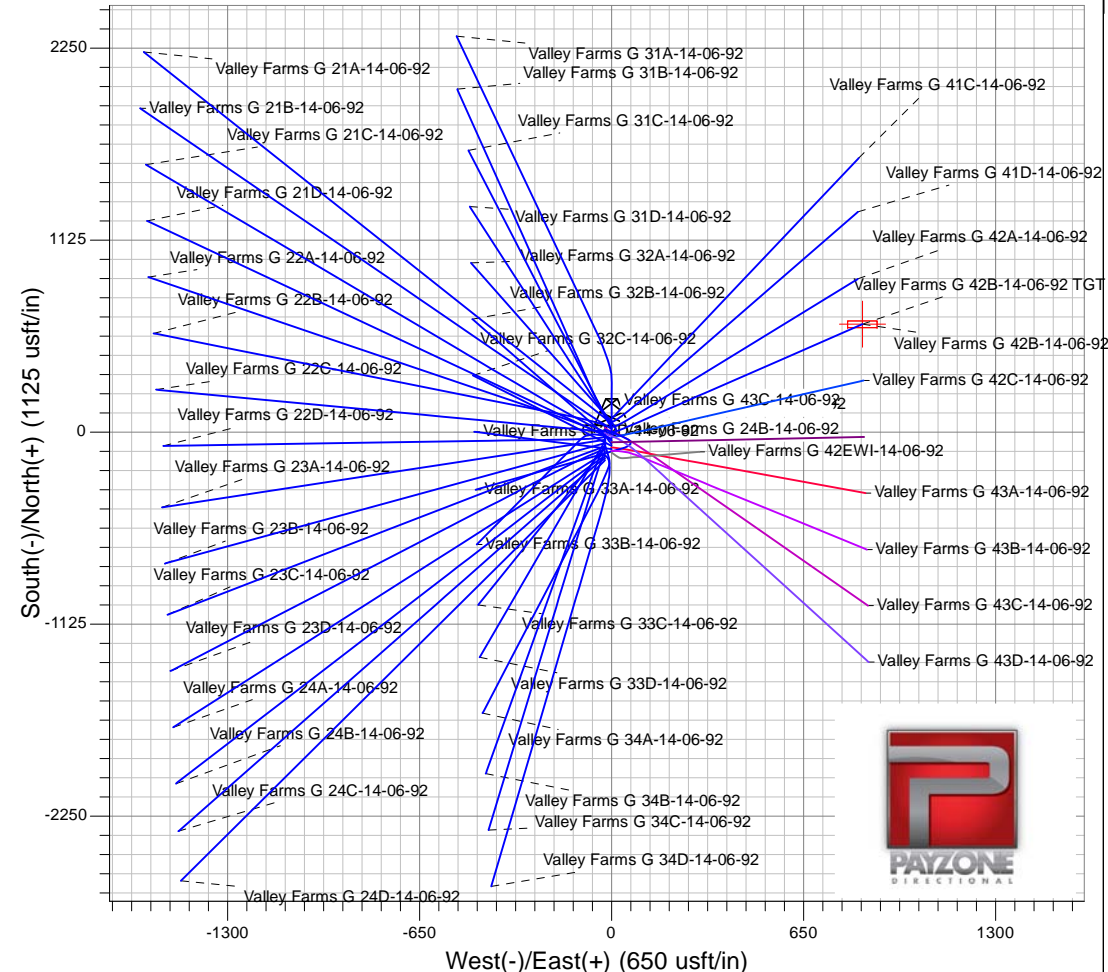
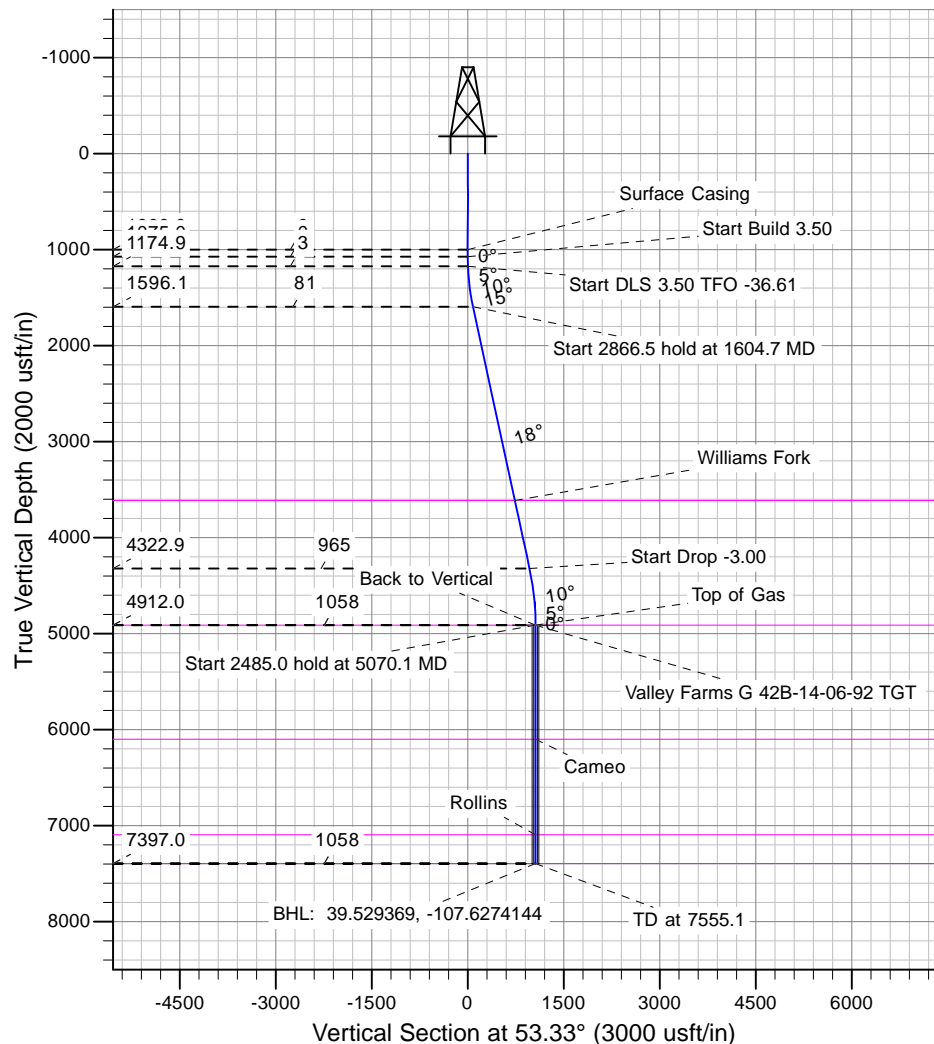
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1075.0	0.00	0.00	1075.0	0.0	0.0	0.00	0.00	0.0	
3	1175.0	3.50	83.00	1174.9	0.4	3.0	3.50	83.00	2.7	
4	1604.7	17.97	52.89	1596.1	42.2	69.3	3.50	-36.61	80.8	
5	4471.2	17.97	52.89	4322.9	575.7	774.4	0.00	0.00	964.9	
6	5070.1	0.00	0.00	4912.0	631.9	848.7	3.00	180.00	1058.1	Valley Farms G 42B-14-06-92 TGT
7	7555.1	0.00	0.00	7397.0	631.9	848.7	0.00	0.00	1058.1	

#### ANNOTATIONS

TVD	MD	Annotation
1000.0	1000.0	Surface Casing
1075.0	1075.0	Start Build 3.50
1174.9	1175.0	Start DLS 3.50 TFO -36.61
1596.1	1604.7	Start 2866.5 hold at 1604.7 MD
4322.9	4471.2	Start Drop -3.00
4912.0	5070.1	Start 2485.0 hold at 5070.1 MD
4912.0	5070.1	Back to Vertical
7396.9	7555.0	BHL: 39.529369, -107.6274144
7397.0	7555.1	TD at 7555.1

#### FORMATION TOP DETAILS

TVDPath	MDPath	Formation	DipAngle	DipDir
3614.0	3726.0	Williams Fork	0.00	
4912.0	5070.1	Top of Gas	0.00	
6101.0	6259.1	Cameo	0.00	
7097.0	7255.1	Rollins	0.00	





# **Ursa Operating Company, LLC**

**Rockies Region**

**Valley Farms G**

**Valley Farms G 42B-14-06-92**

**Wellbore #1**

**Design #1**

## **Anticollision Report**

**10 May, 2015**



<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	Design #1
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria
<b>Interpolation Method:</b>	Stations
<b>Depth Range:</b>	Unlimited
<b>Results Limited by:</b>	Maximum center-center distance of 10,000.0 usft
<b>Warning Levels Evaluated at:</b>	2.00 Sigma
<b>Error Model:</b>	ISCWSA
<b>Scan Method:</b>	Closest Approach 3D
<b>Error Surface:</b>	Elliptical Conic
<b>Casing Method:</b>	Not applied

Survey Tool Program		Date	5/10/2015		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.0	7,555.1	Design #1 (Wellbore #1)	MWD	MWD - Standard	

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Valley Farms G						
Valley Farms G 21A-14-06-92 - Wellbore #1 - Design #1	1,104.5	1,104.4	50.0	45.3	10.634	CC, ES
Valley Farms G 21A-14-06-92 - Wellbore #1 - Design #1	1,200.0	1,197.2	52.1	47.0	10.203	SF
Valley Farms G 21B-14-06-92 - Wellbore #1 - Design #1	1,075.0	1,075.0	20.0	15.4	4.376	CC
Valley Farms G 21B-14-06-92 - Wellbore #1 - Design #1	1,100.0	1,099.8	20.1	15.4	4.295	ES, SF
Valley Farms G 21C-14-06-92 - Wellbore #1 - Design #1	1,126.0	1,126.0	9.9	5.1	2.065	CC, ES, SF
Valley Farms G 21D-14-06-92 - Wellbore #1 - Design #1	1,197.4	1,198.5	39.4	34.3	7.731	CC
Valley Farms G 21D-14-06-92 - Wellbore #1 - Design #1	1,200.0	1,201.1	39.4	34.3	7.714	ES, SF
Valley Farms G 22A-14-06-92 - Wellbore #1 - Design #1	1,075.0	1,075.0	70.0	65.4	15.315	CC
Valley Farms G 22A-14-06-92 - Wellbore #1 - Design #1	1,100.0	1,100.0	70.0	65.3	14.962	ES
Valley Farms G 22A-14-06-92 - Wellbore #1 - Design #1	1,300.0	1,301.0	74.1	68.6	13.346	SF
Valley Farms G 22B-14-06-92 - Wellbore #1 - Design #1	1,075.0	1,075.0	41.6	37.0	9.102	CC, ES
Valley Farms G 22B-14-06-92 - Wellbore #1 - Design #1	1,100.0	1,099.4	41.9	37.2	8.951	SF
Valley Farms G 22C-14-06-92 - Wellbore #1 - Design #1	1,075.0	1,075.0	23.0	18.5	5.043	CC, ES
Valley Farms G 22C-14-06-92 - Wellbore #1 - Design #1	1,100.0	1,099.7	23.4	18.7	5.007	SF
Valley Farms G 22D-14-06-92 - Wellbore #1 - Design #1	1,075.0	1,075.0	33.6	29.1	7.359	CC, ES
Valley Farms G 22D-14-06-92 - Wellbore #1 - Design #1	1,100.0	1,099.7	33.9	29.2	7.254	SF
Valley Farms G 23A-14-06-92 - Wellbore #1 - Design #1	1,075.0	1,075.0	50.3	45.7	11.007	CC, ES
Valley Farms G 23A-14-06-92 - Wellbore #1 - Design #1	1,100.0	1,099.5	50.5	45.9	10.812	SF
Valley Farms G 23B-14-06-92 - Wellbore #1 - Design #1	1,075.0	1,075.0	68.8	64.2	15.049	CC
Valley Farms G 23B-14-06-92 - Wellbore #1 - Design #1	1,100.0	1,100.0	68.9	64.2	14.716	ES
Valley Farms G 23B-14-06-92 - Wellbore #1 - Design #1	1,175.0	1,172.9	71.2	66.2	14.297	SF
Valley Farms G 23C-14-06-92 - Wellbore #1 - Design #1	1,075.0	1,075.0	87.9	83.3	19.237	CC
Valley Farms G 23C-14-06-92 - Wellbore #1 - Design #1	1,100.0	1,100.0	88.0	83.3	18.803	ES
Valley Farms G 23C-14-06-92 - Wellbore #1 - Design #1	1,200.0	1,196.2	91.9	86.8	18.077	SF
Valley Farms G 23D-14-06-92 - Wellbore #1 - Design #1	1,075.0	1,075.0	107.4	102.8	23.494	CC, ES
Valley Farms G 23D-14-06-92 - Wellbore #1 - Design #1	1,200.0	1,195.7	111.2	106.1	21.928	SF
Valley Farms G 24A-14-06-92 - Wellbore #1 - Design #1	1,075.0	1,075.0	127.0	122.4	27.788	CC, ES
Valley Farms G 24A-14-06-92 - Wellbore #1 - Design #1	1,200.0	1,192.3	132.2	127.1	26.154	SF
Valley Farms G 24B-14-06-92 - Wellbore #1 - Design #1	1,075.0	1,075.0	146.7	142.1	32.103	CC, ES
Valley Farms G 24B-14-06-92 - Wellbore #1 - Design #1	1,200.0	1,193.2	150.8	145.7	29.820	SF
Valley Farms G 24C-14-06-92 - Wellbore #1 - Design #1	1,075.0	1,075.0	156.6	152.0	34.267	CC, ES
Valley Farms G 24C-14-06-92 - Wellbore #1 - Design #1	1,200.0	1,191.9	161.0	156.0	31.879	SF
Valley Farms G 24D-14-06-92 - Wellbore #1 - Design #1	1,075.0	1,075.0	166.5	161.9	36.434	CC, ES
Valley Farms G 24D-14-06-92 - Wellbore #1 - Design #1	1,200.0	1,188.8	172.0	166.9	34.125	SF
Valley Farms G 31A-14-06-92 - Wellbore #1 - Design #1	1,075.0	1,075.0	90.0	85.4	19.691	CC, ES

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

### Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Valley Farms G						
Valley Farms G 31A-14-06-92 - Wellbore #1 - Design #1	1,300.0	1,287.0	100.9	95.3	18.205	SF
Valley Farms G 31B-14-06-92 - Wellbore #1 - Design #1	1,108.1	1,107.9	70.0	65.2	14.842	CC, ES
Valley Farms G 31B-14-06-92 - Wellbore #1 - Design #1	1,300.0	1,294.1	74.0	68.5	13.351	SF
Valley Farms G 31C-14-06-92 - Wellbore #1 - Design #1	1,159.7	1,159.5	39.8	34.9	8.065	CC
Valley Farms G 31C-14-06-92 - Wellbore #1 - Design #1	1,175.0	1,174.6	39.8	34.8	7.971	ES
Valley Farms G 31C-14-06-92 - Wellbore #1 - Design #1	1,200.0	1,199.1	40.1	35.0	7.847	SF
Valley Farms G 31D-14-06-92 - Wellbore #1 - Design #1	1,139.2	1,139.2	9.9	5.1	2.046	CC, ES
Valley Farms G 31D-14-06-92 - Wellbore #1 - Design #1	1,175.0	1,174.9	10.1	5.1	2.016	SF
Valley Farms G 32A-14-06-92 - Wellbore #1 - Design #1	1,248.9	1,249.8	18.2	12.9	3.418	CC, ES
Valley Farms G 32A-14-06-92 - Wellbore #1 - Design #1	1,300.0	1,301.2	18.6	13.1	3.363	SF
Valley Farms G 32B-14-06-92 - Wellbore #1 - Design #1	1,075.0	1,075.0	50.0	45.4	10.939	CC
Valley Farms G 32B-14-06-92 - Wellbore #1 - Design #1	1,100.0	1,100.0	50.0	45.3	10.689	ES
Valley Farms G 32B-14-06-92 - Wellbore #1 - Design #1	1,200.0	1,199.9	50.9	45.8	9.964	SF
Valley Farms G 32C-14-06-92 - Wellbore #1 - Design #1	1,075.0	1,075.0	80.0	75.4	17.503	CC
Valley Farms G 32C-14-06-92 - Wellbore #1 - Design #1	1,100.0	1,100.0	80.0	75.3	17.099	ES
Valley Farms G 32C-14-06-92 - Wellbore #1 - Design #1	1,300.0	1,299.3	85.8	80.2	15.438	SF
Valley Farms G 32D-14-06-92 - Wellbore #1 - Design #1	1,075.0	1,075.0	100.0	95.4	21.878	CC
Valley Farms G 32D-14-06-92 - Wellbore #1 - Design #1	1,100.0	1,100.0	100.0	95.3	21.373	ES
Valley Farms G 32D-14-06-92 - Wellbore #1 - Design #1	1,300.0	1,299.3	105.6	100.0	18.994	SF
Valley Farms G 33A-14-06-92 - Wellbore #1 - Design #1	1,075.0	1,075.0	27.0	22.5	5.916	CC
Valley Farms G 33A-14-06-92 - Wellbore #1 - Design #1	1,100.0	1,100.2	27.1	22.4	5.792	ES
Valley Farms G 33A-14-06-92 - Wellbore #1 - Design #1	1,300.0	1,301.7	29.6	24.2	5.434	SF
Valley Farms G 33B-14-06-92 - Wellbore #1 - Design #1	1,075.0	1,075.0	27.0	22.5	5.916	CC, ES
Valley Farms G 33B-14-06-92 - Wellbore #1 - Design #1	1,100.0	1,099.6	27.4	22.7	5.863	SF
Valley Farms G 33C-14-06-92 - Wellbore #1 - Design #1	1,075.0	1,075.0	41.6	37.0	9.103	CC, ES
Valley Farms G 33C-14-06-92 - Wellbore #1 - Design #1	1,100.0	1,099.8	41.8	37.1	8.947	SF
Valley Farms G 33D-14-06-92 - Wellbore #1 - Design #1	0.0	0.0	59.4			
Valley Farms G 33D-14-06-92 - Wellbore #1 - Design #1	1,075.0	1,019.9	295.7	288.7	42.176	SF
Valley Farms G 34A-14-06-92 - Wellbore #1 - Design #1	1,075.0	1,075.0	78.3	73.7	17.131	CC
Valley Farms G 34A-14-06-92 - Wellbore #1 - Design #1	1,100.0	1,100.0	78.4	73.7	16.748	ES
Valley Farms G 34A-14-06-92 - Wellbore #1 - Design #1	1,200.0	1,198.1	81.5	76.5	16.057	SF
Valley Farms G 34B-14-06-92 - Wellbore #1 - Design #1	1,075.0	1,075.0	97.6	93.0	21.359	CC
Valley Farms G 34B-14-06-92 - Wellbore #1 - Design #1	1,100.0	1,100.0	97.7	93.0	20.875	ES
Valley Farms G 34B-14-06-92 - Wellbore #1 - Design #1	1,200.0	1,196.6	101.1	96.0	19.912	SF
Valley Farms G 34C-14-06-92 - Wellbore #1 - Design #1	1,075.0	1,075.0	117.1	112.6	25.637	CC
Valley Farms G 34C-14-06-92 - Wellbore #1 - Design #1	1,100.0	1,100.0	117.2	112.5	25.051	ES
Valley Farms G 34C-14-06-92 - Wellbore #1 - Design #1	1,200.0	1,196.5	119.5	114.4	23.485	SF
Valley Farms G 34D-14-06-92 - Wellbore #1 - Design #1	1,075.0	1,075.0	136.8	132.3	29.943	CC, ES
Valley Farms G 34D-14-06-92 - Wellbore #1 - Design #1	1,300.0	1,291.2	150.4	145.0	27.580	SF
Valley Farms G 41C-14-06-92 - Wellbore #1 - Design #1	1,104.3	1,104.1	80.0	75.3	17.023	CC, ES
Valley Farms G 41C-14-06-92 - Wellbore #1 - Design #1	1,700.0	1,672.1	118.8	110.8	14.784	SF
Valley Farms G 41D-14-06-92 - Wellbore #1 - Design #1	1,075.0	1,075.0	60.0	55.4	13.127	CC
Valley Farms G 41D-14-06-92 - Wellbore #1 - Design #1	1,100.0	1,099.6	60.0	55.4	12.840	ES
Valley Farms G 41D-14-06-92 - Wellbore #1 - Design #1	1,604.7	1,588.3	78.5	71.2	10.761	SF
Valley Farms G 42A-14-06-92 - Wellbore #1 - Design #1	1,075.0	1,075.0	30.0	25.4	6.564	CC
Valley Farms G 42A-14-06-92 - Wellbore #1 - Design #1	1,200.0	1,199.3	30.2	25.2	5.943	ES
Valley Farms G 42A-14-06-92 - Wellbore #1 - Design #1	1,604.7	1,597.8	37.6	30.3	5.123	SF
Valley Farms G 42C-14-06-92 - Wellbore #1 - Design #1	1,075.0	1,075.0	30.0	25.4	6.564	CC
Valley Farms G 42C-14-06-92 - Wellbore #1 - Design #1	1,200.0	1,200.4	30.2	25.1	5.934	ES
Valley Farms G 42C-14-06-92 - Wellbore #1 - Design #1	1,300.0	1,301.2	31.5	26.0	5.686	SF
Valley Farms G 42D-14-06-92 - Wellbore #1 - Design #1	1,075.0	1,075.0	60.0	55.4	13.127	CC

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Valley Farms G						
Valley Farms G 42D-14-06-92 - Wellbore #1 - Design #1	1,100.0	1,100.0	60.0	55.3	12.826	ES
Valley Farms G 42D-14-06-92 - Wellbore #1 - Design #1	1,300.0	1,300.4	64.3	58.8	11.616	SF
Valley Farms G 42EWI-14-06-92 - Wellbore #1 - Design	1,075.0	1,075.0	120.0	115.4	26.254	CC
Valley Farms G 42EWI-14-06-92 - Wellbore #1 - Design	1,100.0	1,100.0	120.0	115.3	25.646	ES
Valley Farms G 42EWI-14-06-92 - Wellbore #1 - Design	1,300.0	1,296.0	127.4	121.9	23.171	SF
Valley Farms G 43A-14-06-92 - Wellbore #1 - Design #1	1,075.0	1,075.0	90.0	85.4	19.691	CC
Valley Farms G 43A-14-06-92 - Wellbore #1 - Design #1	1,100.0	1,100.0	90.0	85.3	19.236	ES
Valley Farms G 43A-14-06-92 - Wellbore #1 - Design #1	1,300.0	1,298.3	95.6	90.1	17.300	SF
Valley Farms G 43B-14-06-92 - Wellbore #1 - Design #1	1,075.0	1,075.0	110.0	105.4	24.066	CC
Valley Farms G 43B-14-06-92 - Wellbore #1 - Design #1	1,100.0	1,100.0	110.0	105.3	23.509	ES
Valley Farms G 43B-14-06-92 - Wellbore #1 - Design #1	1,400.0	1,398.8	124.4	118.4	20.713	SF
Valley Farms G 43C-14-06-92 - Wellbore #1 - Design #1	1,000.0	1,000.0	33.6	29.4	7.945	CC
Valley Farms G 43C-14-06-92 - Wellbore #1 - Design #1	1,100.0	1,100.2	33.7	29.0	7.202	ES
Valley Farms G 43C-14-06-92 - Wellbore #1 - Design #1	1,200.0	1,200.8	34.5	29.4	6.826	SF
Valley Farms G 43D-14-06-92 - Wellbore #1 - Design #1	1,075.0	1,075.0	23.0	18.5	5.043	CC, ES
Valley Farms G 43D-14-06-92 - Wellbore #1 - Design #1	1,100.0	1,100.0	23.2	18.5	4.968	SF

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	0.0	0.0	0.0	0.0	0.23	50.0	0.2	50.0				
100.0	100.0	100.0	100.0	0.1	0.1	0.23	50.0	0.2	50.0	49.8	0.19	267.922	
200.0	200.0	200.0	200.0	0.3	0.3	0.23	50.0	0.2	50.0	49.3	0.64	78.578	
300.0	300.0	300.0	300.0	0.5	0.5	0.23	50.0	0.2	50.0	48.9	1.09	46.041	
400.0	400.0	400.0	400.0	0.8	0.8	0.23	50.0	0.2	50.0	48.4	1.54	32.559	
500.0	500.0	500.0	500.0	1.0	1.0	0.23	50.0	0.2	50.0	48.0	1.98	25.184	
600.0	600.0	600.0	600.0	1.2	1.2	0.23	50.0	0.2	50.0	47.5	2.43	20.533	
700.0	700.0	700.0	700.0	1.4	1.4	0.23	50.0	0.2	50.0	47.1	2.88	17.332	
800.0	800.0	800.0	800.0	1.7	1.7	0.23	50.0	0.2	50.0	46.6	3.33	14.995	
900.0	900.0	900.0	900.0	1.9	1.9	0.23	50.0	0.2	50.0	46.2	3.78	13.213	
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	0.23	50.0	0.2	50.0	45.8	4.23	11.810	
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	0.23	50.0	0.2	50.0	45.4	4.57	10.938	
1,100.0	1,100.0	1,100.0	1,100.0	2.3	2.3	-82.99	50.0	0.2	50.0	45.3	4.68	10.678	
1,104.5	1,104.5	1,104.4	1,104.4	2.3	2.4	-83.08	50.0	0.2	50.0	45.3	4.70	10.634	CC, ES
1,175.0	1,174.9	1,173.0	1,173.0	2.5	2.5	-87.13	51.3	-0.8	51.1	46.1	5.00	10.231	
1,200.0	1,199.9	1,197.2	1,197.2	2.5	2.6	-82.54	52.3	-1.5	52.1	47.0	5.10	10.203	SF
1,300.0	1,299.3	1,293.1	1,292.7	2.8	2.8	-82.38	59.2	-6.5	58.7	53.2	5.55	10.574	
1,400.0	1,398.1	1,386.9	1,385.4	3.0	3.0	-91.70	70.3	-14.6	72.6	66.5	6.03	12.035	
1,500.0	1,495.6	1,477.7	1,474.4	3.3	3.3	-100.82	85.1	-25.3	95.5	89.0	6.54	14.602	
1,604.7	1,596.1	1,569.0	1,562.7	3.7	3.6	-107.62	103.9	-39.1	129.1	122.0	7.14	18.092	
1,700.0	1,686.8	1,649.1	1,638.9	4.2	3.9	-113.15	123.8	-53.5	166.6	158.8	7.73	21.548	
1,800.0	1,782.0	1,730.3	1,714.8	4.7	4.4	-116.17	146.9	-70.3	210.7	202.3	8.40	25.081	
1,900.0	1,877.1	1,808.4	1,786.5	5.2	4.8	-117.61	172.0	-88.6	258.7	249.6	9.11	28.399	
2,000.0	1,972.2	1,883.2	1,853.7	5.7	5.3	-118.18	198.6	-108.0	310.2	300.4	9.87	31.444	
2,100.0	2,067.3	1,954.8	1,916.4	6.3	5.9	-118.24	226.4	-128.1	364.9	354.2	10.66	34.239	
2,200.0	2,162.5	2,022.9	1,974.8	6.9	6.5	-118.01	254.8	-148.9	422.5	411.0	11.46	36.872	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Valley Farms G - Valley Farms G 21A-14-06-92 - Wellbore #1 - Design #1													Offset Site Error: 0.0 usft	
Survey Program: 0-MWD													Offset Well Error: 0.0 usft	
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
2,300.0	2,257.6	2,087.7	2,028.8	7.5	7.2	-117.62	283.7	-169.8	482.8	470.5	12.28	39.330		
2,400.0	2,352.7	2,149.2	2,078.8	8.0	7.9	-117.14	312.7	-190.9	545.7	532.6	13.11	41.622		
2,500.0	2,447.8	2,207.9	2,125.3	8.6	8.5	-116.61	341.7	-212.1	611.0	597.1	13.94	43.842		
2,600.0	2,542.9	2,282.5	2,183.5	9.2	9.4	-115.98	379.5	-239.5	677.4	662.5	14.86	45.576		
2,700.0	2,638.1	2,357.1	2,241.7	9.9	10.3	-115.46	417.2	-267.0	743.8	728.0	15.79	47.097		
2,800.0	2,733.2	2,431.7	2,299.9	10.5	11.3	-115.03	454.9	-294.4	810.3	793.5	16.73	48.436		
2,900.0	2,828.3	2,506.3	2,358.1	11.1	12.2	-114.66	492.6	-321.9	876.7	859.1	17.67	49.611		
3,000.0	2,923.4	2,580.9	2,416.3	11.7	13.2	-114.34	530.3	-349.3	943.2	924.6	18.63	50.638		
3,100.0	3,018.6	2,655.5	2,474.6	12.3	14.1	-114.07	568.0	-376.7	1,009.7	990.1	19.59	51.549		
3,200.0	3,113.7	2,730.1	2,532.8	12.9	15.1	-113.83	605.8	-404.2	1,076.3	1,055.7	20.55	52.364		
3,300.0	3,208.8	2,804.7	2,591.0	13.5	16.1	-113.61	643.5	-431.6	1,142.8	1,121.3	21.52	53.095		
3,400.0	3,303.9	2,879.3	2,649.2	14.1	17.1	-113.42	681.2	-459.1	1,209.3	1,186.8	22.50	53.748		
3,500.0	3,399.1	2,953.9	2,707.4	14.8	18.0	-113.25	718.9	-486.5	1,275.9	1,252.4	23.48	54.339		
3,600.0	3,494.2	3,028.5	2,765.6	15.4	19.0	-113.10	756.6	-514.0	1,342.4	1,317.9	24.46	54.877		
3,700.0	3,589.3	3,103.1	2,823.9	16.0	20.0	-112.96	794.3	-541.4	1,409.0	1,383.5	25.45	55.368		
3,800.0	3,684.4	3,177.7	2,882.1	16.6	21.0	-112.84	832.0	-568.8	1,475.5	1,449.1	26.44	55.813		
3,900.0	3,779.6	3,252.3	2,940.3	17.2	22.0	-112.72	869.8	-596.3	1,542.1	1,514.6	27.43	56.223		
4,000.0	3,874.7	3,326.9	2,998.5	17.9	22.9	-112.62	907.5	-623.7	1,608.6	1,580.2	28.42	56.600		
4,100.0	3,969.8	3,401.5	3,056.7	18.5	23.9	-112.52	945.2	-651.2	1,675.2	1,645.8	29.42	56.949		
4,200.0	4,064.9	3,476.1	3,114.9	19.1	24.9	-112.43	982.9	-678.6	1,741.8	1,711.4	30.41	57.269		
4,300.0	4,160.1	3,550.7	3,173.2	19.7	25.9	-112.35	1,020.6	-706.1	1,808.3	1,776.9	31.41	57.567		
4,400.0	4,255.2	3,625.3	3,231.4	20.4	26.9	-112.27	1,058.3	-733.5	1,874.9	1,842.5	32.41	57.845		
4,471.2	4,322.9	3,678.4	3,272.8	20.8	27.6	-112.22	1,085.2	-753.0	1,922.3	1,889.2	33.13	58.031		
4,500.0	4,350.4	3,699.9	3,289.6	21.0	27.9	-112.90	1,096.1	-761.0	1,941.4	1,907.9	33.57	57.838		
4,600.0	4,446.7	3,775.4	3,348.5	21.4	28.9	-115.05	1,134.2	-788.7	2,006.8	1,971.8	35.02	57.302		
4,700.0	4,544.2	3,851.8	3,408.2	21.8	29.9	-116.92	1,172.9	-816.8	2,070.5	2,034.1	36.42	56.848		
4,800.0	4,642.8	3,928.9	3,468.4	22.1	30.9	-118.51	1,211.9	-845.2	2,132.4	2,094.7	37.75	56.493		
4,900.0	4,742.2	4,006.6	3,529.0	22.3	32.0	-119.87	1,251.1	-873.8	2,192.5	2,153.5	38.98	56.247		
5,000.0	4,842.0	4,084.5	3,589.8	22.5	33.0	-121.02	1,290.5	-902.4	2,250.7	2,210.6	40.11	56.115		
5,070.1	4,912.0	4,139.2	3,632.5	22.6	33.7	-68.82	1,318.2	-922.6	2,290.3	2,249.5	40.83	56.093		
5,100.0	4,941.9	4,162.6	3,650.7	22.6	34.1	-68.58	1,330.0	-931.2	2,307.0	2,266.0	40.99	56.290		
5,200.0	5,041.9	4,240.6	3,711.6	22.7	35.1	-67.81	1,369.5	-959.9	2,363.2	2,321.7	41.50	56.945		
5,300.0	5,141.9	4,318.7	3,772.5	22.8	36.1	-67.07	1,408.9	-988.6	2,419.6	2,377.6	42.00	57.607		
5,400.0	5,241.9	4,396.7	3,833.4	22.9	37.2	-66.37	1,448.4	-1,017.3	2,476.4	2,433.9	42.49	58.276		
5,500.0	5,341.9	4,474.7	3,894.3	23.0	38.2	-65.69	1,487.8	-1,046.0	2,533.4	2,490.4	42.98	58.948		
5,600.0	5,441.9	4,552.8	3,955.2	23.1	39.3	-65.04	1,527.3	-1,074.7	2,590.6	2,547.2	43.45	59.623		
5,700.0	5,541.9	4,630.8	4,016.1	23.3	40.3	-64.41	1,566.7	-1,103.4	2,648.1	2,604.2	43.92	60.299		
5,800.0	5,641.9	4,708.9	4,077.0	23.4	41.3	-63.81	1,606.2	-1,132.1	2,705.9	2,661.5	44.38	60.976		
5,900.0	5,741.9	4,786.9	4,137.9	23.5	42.4	-63.23	1,645.7	-1,160.8	2,763.8	2,719.0	44.83	61.652		
6,000.0	5,841.9	4,864.9	4,198.8	23.6	43.4	-62.67	1,685.1	-1,189.5	2,821.9	2,776.7	45.28	62.327		
6,100.0	5,941.9	4,943.0	4,259.7	23.7	44.5	-62.14	1,724.6	-1,218.2	2,880.3	2,834.5	45.72	62.999		
6,200.0	6,041.9	5,021.0	4,320.6	23.8	45.6	-56.74	2,227.5	-1,584.2	2,909.5	2,859.4	50.05	58.127		
6,300.0	6,141.9	5,099.6	4,381.5	24.0	46.7	-56.74	2,227.5	-1,584.2	2,909.5	2,859.2	50.27	57.876		
6,400.0	6,241.9	5,099.6	4,381.5	24.1	46.7	-56.74	2,227.5	-1,584.2	2,909.5	2,859.0	50.49	57.624		
6,500.0	6,341.9	5,199.6	4,481.5	24.2	46.8	-56.74	2,227.5	-1,584.2	2,909.5	2,858.7	50.71	57.371		
6,600.0	6,441.9	5,299.6	4,581.5	24.3	46.9	-56.74	2,227.5	-1,584.2	2,909.5	2,858.5	50.94	57.117		
6,700.0	6,541.9	5,399.6	4,681.5	24.5	47.1	-56.74	2,227.5	-1,584.2	2,909.5	2,858.3	51.17	56.862		
6,800.0	6,641.9	5,499.6	4,781.5	24.6	47.2	-56.74	2,227.5	-1,584.2	2,909.5	2,858.1	51.40	56.606		
6,900.0	6,741.9	5,599.6	4,881.5	24.7	47.3	-56.74	2,227.5	-1,584.2	2,909.5	2,857.8	51.63	56.349		
7,000.0	6,841.9	5,699.6	4,981.5	24.9	47.5	-56.74	2,227.5	-1,584.2	2,909.5	2,857.6	51.87	56.091		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design														Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 21A-14-06-92 - Wellbore #1 - Design #1														Offset Well Error:	0.0 usft
Survey Program: 0-MWD															
Reference		Offset		Semi Major Axis			Distance								
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
7,100.0	6,941.9	7,799.6	6,941.9	25.0	57.1	-56.74	2,227.5	-1,584.2	2,909.5	2,857.3	52.11	55.833			
7,200.0	7,041.9	7,899.6	7,041.9	25.1	57.1	-56.74	2,227.5	-1,584.2	2,909.5	2,857.1	52.35	55.574			
7,300.0	7,141.9	7,999.6	7,141.9	25.3	57.2	-56.74	2,227.5	-1,584.2	2,909.5	2,856.9	52.60	55.315			
7,400.0	7,241.9	8,099.6	7,241.9	25.4	57.3	-56.74	2,227.5	-1,584.2	2,909.5	2,856.6	52.85	55.055			
7,500.0	7,341.9	8,199.6	7,341.9	25.5	57.3	-56.74	2,227.5	-1,584.2	2,909.5	2,856.4	53.10	54.795			
7,555.1	7,397.0	8,254.6	7,397.0	25.6	57.4	-56.74	2,227.5	-1,584.2	2,909.5	2,856.2	53.24	54.652			

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 21B-14-06-92 - Wellbore #1 - Design #1													Offset Well Error:	0.0 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	0.23	20.0	0.1	20.0					
100.0	100.0	100.0	100.0	0.1	0.1	0.23	20.0	0.1	20.0	19.8	0.19	107.179		
200.0	200.0	200.0	200.0	0.3	0.3	0.23	20.0	0.1	20.0	19.4	0.64	31.434		
300.0	300.0	300.0	300.0	0.5	0.5	0.23	20.0	0.1	20.0	18.9	1.09	18.418		
400.0	400.0	400.0	400.0	0.8	0.8	0.23	20.0	0.1	20.0	18.5	1.54	13.025		
500.0	500.0	500.0	500.0	1.0	1.0	0.23	20.0	0.1	20.0	18.0	1.98	10.075		
600.0	600.0	600.0	600.0	1.2	1.2	0.23	20.0	0.1	20.0	17.6	2.43	8.214		
700.0	700.0	700.0	700.0	1.4	1.4	0.23	20.0	0.1	20.0	17.1	2.88	6.934		
800.0	800.0	800.0	800.0	1.7	1.7	0.23	20.0	0.1	20.0	16.7	3.33	5.999		
900.0	900.0	900.0	900.0	1.9	1.9	0.23	20.0	0.1	20.0	16.2	3.78	5.286		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	0.23	20.0	0.1	20.0	15.8	4.23	4.724		
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	0.23	20.0	0.1	20.0	15.4	4.57	4.376 CC		
1,100.0	1,100.0	1,099.8	1,099.8	2.3	2.3	-83.73	20.1	-0.1	20.1	15.4	4.68	4.295 ES, SF		
1,175.0	1,174.9	1,173.9	1,173.9	2.5	2.5	-96.71	21.8	-2.3	22.1	17.1	4.99	4.434		
1,200.0	1,199.9	1,198.4	1,198.3	2.5	2.6	-95.99	22.9	-3.6	23.7	18.6	5.10	4.650		
1,300.0	1,299.3	1,295.2	1,294.6	2.8	2.8	-106.11	29.8	-10.9	35.8	30.2	5.55	6.445		
1,400.0	1,398.1	1,389.5	1,387.6	3.0	3.0	-115.40	40.8	-21.4	57.6	51.6	6.01	9.584		
1,500.0	1,495.6	1,480.4	1,476.3	3.3	3.3	-120.40	55.3	-34.8	88.3	81.8	6.50	13.581		
1,604.7	1,596.1	1,571.4	1,563.9	3.7	3.6	-122.97	73.6	-51.3	128.7	121.6	7.06	18.219		
1,700.0	1,686.8	1,650.8	1,639.1	4.2	4.0	-125.68	92.7	-68.1	170.9	163.3	7.64	22.375		
1,800.0	1,782.0	1,731.0	1,713.7	4.7	4.5	-126.64	114.8	-87.4	218.8	210.5	8.30	26.376		
1,900.0	1,877.1	1,808.0	1,783.9	5.2	4.9	-126.68	138.7	-108.1	270.0	261.0	9.00	30.014		
2,000.0	1,972.2	1,881.5	1,849.5	5.7	5.5	-126.25	164.0	-129.7	324.2	314.5	9.74	33.279		
2,100.0	2,067.3	1,951.6	1,910.6	6.3	6.1	-125.59	190.1	-152.0	381.4	370.8	10.52	36.242		
2,200.0	2,162.5	2,018.3	1,967.3	6.9	6.7	-124.83	216.8	-174.8	441.2	429.9	11.31	39.014		
2,300.0	2,257.6	2,081.6	2,019.7	7.5	7.4	-124.04	243.9	-197.7	503.6	491.5	12.11	41.578		
2,400.0	2,352.7	2,158.4	2,082.5	8.0	8.2	-123.15	277.6	-226.2	567.3	554.3	13.01	43.618		
2,500.0	2,447.8	2,235.2	2,145.4	8.6	9.1	-122.44	311.4	-254.8	631.1	617.2	13.90	45.405		
2,600.0	2,542.9	2,312.0	2,208.2	9.2	9.9	-121.86	345.1	-283.3	694.9	680.1	14.80	46.940		
2,700.0	2,638.1	2,388.9	2,271.0	9.9	10.8	-121.38	378.9	-311.9	758.7	743.0	15.72	48.259		
2,800.0	2,733.2	2,465.7	2,333.8	10.5	11.7	-120.98	412.6	-340.4	822.6	805.9	16.65	49.403		
2,900.0	2,828.3	2,542.5	2,396.7	11.1	12.6	-120.63	446.4	-369.0	886.5	868.9	17.59	50.407		
3,000.0	2,923.4	2,619.3	2,459.5	11.7	13.6	-120.33	480.2	-397.6	950.4	931.9	18.53	51.294		
3,100.0	3,018.6	2,696.2	2,522.3	12.3	14.5	-120.06	513.9	-426.1	1,014.3	994.8	19.48	52.080		
3,200.0	3,113.7	2,773.0	2,585.2	12.9	15.4	-119.83	547.7	-454.7	1,078.2	1,057.8	20.43	52.776		
3,300.0	3,208.8	2,849.8	2,648.0	13.5	16.3	-119.62	581.4	-483.2	1,142.2	1,120.8	21.39	53.401		
3,400.0	3,303.9	2,926.7	2,710.8	14.1	17.2	-119.44	615.2	-511.8	1,206.1	1,183.8	22.35	53.964		
3,500.0	3,399.1	3,003.5	2,773.6	14.8	18.2	-119.27	648.9	-540.3	1,270.1	1,246.8	23.32	54.474		
3,600.0	3,494.2	3,080.3	2,836.5	15.4	19.1	-119.12	682.7	-568.9	1,334.0	1,309.7	24.28	54.934		
3,700.0	3,589.3	3,157.1	2,899.3	16.0	20.0	-118.99	716.5	-597.4	1,398.0	1,372.7	25.26	55.353		
3,800.0	3,684.4	3,234.0	2,962.1	16.6	21.0	-118.86	750.2	-626.0	1,462.0	1,435.7	26.23	55.737		
3,900.0	3,779.6	3,310.8	3,025.0	17.2	21.9	-118.75	784.0	-654.6	1,525.9	1,498.7	27.21	56.089		
4,000.0	3,874.7	3,387.6	3,087.8	17.9	22.8	-118.64	817.7	-683.1	1,589.9	1,561.7	28.18	56.413		
4,100.0	3,969.8	3,464.4	3,150.6	18.5	23.8	-118.55	851.5	-711.7	1,653.9	1,624.7	29.16	56.711		
4,200.0	4,064.9	3,541.3	3,213.4	19.1	24.7	-118.46	885.2	-740.2	1,717.9	1,687.7	30.14	56.987		
4,300.0	4,160.1	3,618.1	3,276.3	19.7	25.6	-118.37	919.0	-768.8	1,781.8	1,750.7	31.13	57.244		
4,400.0	4,255.2	3,694.9	3,339.1	20.4	26.6	-118.30	952.8	-797.3	1,845.8	1,813.7	32.11	57.482		
4,471.2	4,322.9	3,749.6	3,383.8	20.8	27.3	-118.24	976.8	-817.6	1,891.4	1,858.6	32.81	57.641		
4,500.0	4,350.4	3,771.8	3,402.0	21.0	27.5	-118.84	986.5	-825.9	1,909.7	1,876.5	33.24	57.461		
4,600.0	4,446.7	3,849.7	3,465.7	21.4	28.5	-120.72	1,020.8	-854.9	1,972.2	1,937.6	34.62	56.966		
4,700.0	4,544.2	3,928.8	3,530.4	21.8	29.4	-122.31	1,055.5	-884.3	2,032.5	1,996.6	35.94	56.548		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Valley Farms G - Valley Farms G 21B-14-06-92 - Wellbore #1 - Design #1													Offset Site Error: 0.0 usft	
Survey Program: 0-MWD													Offset Well Error: 0.0 usft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,800.0	4,642.8	4,008.9	3,595.9	22.1	30.4	-123.64	1,090.7	-914.0	2,090.7	2,053.5	37.19	56.223		
4,900.0	4,742.2	4,089.8	3,662.0	22.3	31.4	-124.73	1,126.3	-944.1	2,146.6	2,108.3	38.33	56.000		
5,000.0	4,842.0	4,171.2	3,728.6	22.5	32.4	-125.62	1,162.0	-974.4	2,200.2	2,160.9	39.37	55.883		
5,070.1	4,912.0	4,228.5	3,775.4	22.6	33.1	-73.24	1,187.2	-995.6	2,236.4	2,196.4	40.03	55.867		
5,100.0	4,941.9	4,253.0	3,795.5	22.6	33.4	-73.02	1,198.0	-1,004.7	2,251.6	2,211.5	40.19	56.022		
5,200.0	5,041.9	4,334.7	3,862.3	22.7	34.4	-72.28	1,233.9	-1,035.1	2,302.7	2,262.0	40.73	56.538		
5,300.0	5,141.9	4,416.5	3,929.2	22.8	35.4	-71.57	1,269.8	-1,065.5	2,354.1	2,312.8	41.25	57.063		
5,400.0	5,241.9	4,498.3	3,996.1	22.9	36.4	-70.89	1,305.8	-1,095.9	2,405.7	2,364.0	41.77	57.596		
5,500.0	5,341.9	4,580.1	4,063.0	23.0	37.4	-70.23	1,341.7	-1,126.3	2,457.7	2,415.4	42.28	58.134		
5,600.0	5,441.9	4,661.9	4,129.9	23.1	38.4	-69.60	1,377.6	-1,156.7	2,509.8	2,467.0	42.77	58.676		
5,700.0	5,541.9	4,743.6	4,196.7	23.3	39.4	-68.99	1,413.6	-1,187.1	2,562.2	2,518.9	43.26	59.222		
5,800.0	5,641.9	4,825.4	4,263.6	23.4	40.4	-68.41	1,449.5	-1,217.5	2,614.8	2,571.1	43.75	59.769		
5,900.0	5,741.9	4,907.2	4,330.5	23.5	41.5	-67.85	1,485.4	-1,247.9	2,667.6	2,623.4	44.23	60.318		
6,000.0	5,841.9	4,989.0	4,397.4	23.6	42.5	-67.31	1,521.4	-1,278.3	2,720.6	2,675.9	44.70	60.866		
6,100.0	5,941.9	5,070.8	4,464.3	23.7	43.5	-66.76	1,557.3	-1,308.7	2,772.8	2,704.2	45.17	61.414		
6,200.0	6,041.9	5,152.6	4,531.1	23.8	44.5	-66.21	1,593.2	-1,339.1	2,825.0	2,756.4	45.64	61.962		
6,300.0	6,141.9	5,234.4	4,597.9	24.0	45.5	-65.66	1,629.1	-1,369.5	2,877.2	2,808.6	46.11	62.510		
6,400.0	6,241.9	5,316.2	4,664.7	24.1	46.5	-65.11	1,665.0	-1,399.9	2,929.4	2,859.8	46.58	63.058		
6,500.0	6,341.9	5,398.0	4,731.5	24.2	47.5	-64.56	1,700.9	-1,430.3	2,981.6	2,911.0	47.05	63.606		
6,600.0	6,441.9	5,479.8	4,797.3	24.3	48.5	-64.01	1,736.8	-1,460.7	3,033.8	2,962.2	47.52	64.154		
6,700.0	6,541.9	5,561.6	4,863.1	24.5	49.5	-63.46	1,772.7	-1,491.1	3,086.0	3,013.4	48.00	64.702		
6,800.0	6,641.9	5,643.4	4,928.9	24.6	50.5	-62.91	1,808.6	-1,521.5	3,138.2	3,064.6	48.47	65.250		
6,900.0	6,741.9	5,725.2	5,000.7	24.7	51.5	-62.36	1,844.5	-1,551.9	3,190.4	3,115.8	48.94	65.798		
7,000.0	6,841.9	5,807.0	5,072.5	24.9	52.6	-62.64	1,897.1	-1,596.1	3,252.8	3,178.0	49.46	66.346		
7,100.0	6,941.9	5,888.8	5,144.3	25.0	52.6	-62.64	1,897.1	-1,596.1	3,252.8	3,178.0	50.90	54.084		
7,200.0	7,041.9	5,970.6	5,216.1	25.1	52.7	-62.64	1,897.1	-1,596.1	3,252.8	3,178.0	51.15	53.820		
7,300.0	7,141.9	6,052.4	5,287.9	25.3	52.8	-62.64	1,897.1	-1,596.1	3,252.8	3,178.0	51.40	53.556		
7,400.0	7,241.9	6,134.2	5,359.7	25.4	52.8	-62.64	1,897.1	-1,596.1	3,252.8	3,178.0	51.65	53.292		
7,500.0	7,341.9	6,216.0	5,431.5	25.5	52.9	-62.64	1,897.1	-1,596.1	3,252.8	3,178.0	51.91	53.027		
7,555.1	7,397.0	6,297.8	5,497.0	25.6	52.9	-62.64	1,897.1	-1,596.1	3,252.8	3,178.0	52.06	52.882		

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 21C-14-06-92 - Wellbore #1 - Design #1													Offset Well Error:	0.0 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-179.77	-10.0	0.0	10.0					
100.0	100.0	100.0	100.0	0.1	0.1	-179.77	-10.0	0.0	10.0	9.8	0.19	53.588		
200.0	200.0	200.0	200.0	0.3	0.3	-179.77	-10.0	0.0	10.0	9.4	0.64	15.717		
300.0	300.0	300.0	300.0	0.5	0.5	-179.77	-10.0	0.0	10.0	8.9	1.09	9.209		
400.0	400.0	400.0	400.0	0.8	0.8	-179.77	-10.0	0.0	10.0	8.5	1.54	6.512		
500.0	500.0	500.0	500.0	1.0	1.0	-179.77	-10.0	0.0	10.0	8.0	1.98	5.037		
600.0	600.0	600.0	600.0	1.2	1.2	-179.77	-10.0	0.0	10.0	7.6	2.43	4.107		
700.0	700.0	700.0	700.0	1.4	1.4	-179.77	-10.0	0.0	10.0	7.1	2.88	3.467		
800.0	800.0	800.0	800.0	1.7	1.7	-179.77	-10.0	0.0	10.0	6.7	3.33	2.999		
900.0	900.0	900.0	900.0	1.9	1.9	-179.77	-10.0	0.0	10.0	6.2	3.78	2.643		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-179.77	-10.0	0.0	10.0	5.8	4.23	2.362		
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	-179.77	-10.0	0.0	10.0	5.4	4.57	2.188		
1,100.0	1,100.0	1,100.1	1,100.1	2.3	2.3	99.33	-9.9	-0.2	9.9	5.3	4.68	2.127		
1,126.0	1,125.9	1,126.0	1,126.0	2.4	2.4	106.02	-9.7	-0.8	9.9	5.1	4.79	2.065 CC, ES, SF		
1,175.0	1,174.9	1,174.9	1,174.8	2.5	2.5	129.64	-8.7	-2.8	10.8	5.8	4.99	2.164		
1,200.0	1,199.9	1,199.7	1,199.5	2.5	2.6	150.06	-8.0	-4.3	12.5	7.4	5.09	2.460		
1,300.0	1,299.3	1,297.2	1,296.5	2.8	2.8	-168.75	-3.6	-13.6	29.0	23.5	5.53	5.248		
1,400.0	1,398.1	1,392.2	1,390.3	3.0	3.0	-154.99	4.4	-26.7	55.7	49.7	5.96	9.344		
1,500.0	1,495.6	1,483.6	1,479.6	3.3	3.3	-148.29	15.9	-42.6	90.4	83.9	6.41	14.096		
1,604.7	1,596.1	1,574.8	1,567.4	3.7	3.7	-144.01	31.2	-61.6	134.5	127.6	6.92	19.442		
1,700.0	1,686.8	1,654.2	1,642.7	4.2	4.0	-142.82	47.6	-80.8	179.4	172.0	7.47	24.035		
1,800.0	1,782.0	1,734.5	1,717.5	4.7	4.5	-141.19	67.0	-102.4	229.3	221.2	8.09	28.338		
1,900.0	1,877.1	1,811.4	1,787.8	5.2	5.0	-139.47	88.2	-125.4	282.0	273.2	8.76	32.183		
2,000.0	1,972.2	1,885.0	1,853.5	5.7	5.5	-137.78	110.9	-149.2	337.4	327.9	9.48	35.583		
2,100.0	2,067.3	1,955.0	1,914.8	6.3	6.1	-136.18	134.6	-173.7	395.4	385.2	10.24	38.632		
2,200.0	2,162.5	2,021.6	1,971.6	6.9	6.7	-134.68	159.0	-198.5	456.1	445.1	11.00	41.454		
2,300.0	2,257.6	2,084.8	2,024.1	7.5	7.4	-133.29	183.8	-223.3	519.2	507.4	11.79	44.047		
2,400.0	2,352.7	2,144.6	2,072.6	8.0	8.1	-132.02	208.7	-247.9	584.6	572.1	12.59	46.446		
2,500.0	2,447.8	2,205.3	2,120.5	8.6	8.8	-130.76	235.3	-274.0	652.2	638.8	13.41	48.633		
2,600.0	2,542.9	2,277.4	2,177.0	9.2	9.7	-129.48	267.3	-305.3	720.6	706.3	14.30	50.373		
2,700.0	2,638.1	2,349.6	2,233.5	9.9	10.6	-128.42	299.4	-336.7	789.1	773.9	15.20	51.900		
2,800.0	2,733.2	2,421.7	2,290.0	10.5	11.5	-127.52	331.4	-368.0	857.7	841.6	16.11	53.251		
2,900.0	2,828.3	2,493.8	2,346.6	11.1	12.5	-126.76	363.5	-399.3	926.4	909.4	17.02	54.445		
3,000.0	2,923.4	2,565.9	2,403.1	11.7	13.4	-126.10	395.5	-430.6	995.2	977.3	17.93	55.495		
3,100.0	3,018.6	2,638.1	2,459.6	12.3	14.3	-125.52	427.5	-462.0	1,064.0	1,045.2	18.85	56.440		
3,200.0	3,113.7	2,710.2	2,516.1	12.9	15.3	-125.01	459.6	-493.3	1,133.0	1,113.2	19.78	57.291		
3,300.0	3,208.8	2,782.3	2,572.6	13.5	16.3	-124.56	491.6	-524.6	1,201.9	1,181.2	20.70	58.054		
3,400.0	3,303.9	2,854.4	2,629.2	14.1	17.2	-124.16	523.7	-555.9	1,270.9	1,249.2	21.63	58.744		
3,500.0	3,399.1	2,926.6	2,685.7	14.8	18.2	-123.80	555.7	-587.2	1,339.9	1,317.3	22.57	59.375		
3,600.0	3,494.2	2,998.7	2,742.2	15.4	19.2	-123.48	587.7	-618.6	1,408.9	1,385.4	23.50	59.950		
3,700.0	3,589.3	3,070.8	2,798.7	16.0	20.1	-123.18	619.8	-649.9	1,478.0	1,453.6	24.44	60.474		
3,800.0	3,684.4	3,142.9	2,855.2	16.6	21.1	-122.91	651.8	-681.2	1,547.1	1,521.7	25.38	60.957		
3,900.0	3,779.6	3,215.1	2,911.7	17.2	22.1	-122.67	683.9	-712.5	1,616.2	1,589.8	26.32	61.402		
4,000.0	3,874.7	3,287.2	2,968.3	17.9	23.0	-122.44	715.9	-743.9	1,685.3	1,658.0	27.26	61.813		
4,100.0	3,969.8	3,359.3	3,024.8	18.5	24.0	-122.23	748.0	-775.2	1,754.4	1,726.2	28.21	62.193		
4,200.0	4,064.9	3,431.4	3,081.3	19.1	25.0	-122.04	780.0	-806.5	1,823.5	1,794.4	29.15	62.547		
4,300.0	4,160.1	3,503.6	3,137.8	19.7	26.0	-121.86	812.0	-837.8	1,892.7	1,862.6	30.10	62.876		
4,400.0	4,255.2	3,575.7	3,194.3	20.4	27.0	-121.70	844.1	-869.2	1,961.8	1,930.8	31.05	63.183		
4,471.2	4,322.9	3,627.0	3,234.6	20.8	27.7	-121.59	866.9	-891.5	2,011.0	1,979.3	31.73	63.389		
4,500.0	4,350.4	3,647.9	3,250.9	21.0	27.9	-122.23	876.1	-900.5	2,030.9	1,998.7	32.16	63.149		
4,600.0	4,446.7	3,721.2	3,308.4	21.4	28.9	-124.26	908.7	-932.4	2,098.4	2,064.8	33.60	62.462		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design														Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 21C-14-06-92 - Wellbore #1 - Design #1														Offset Well Error:	0.0 usft
Survey Program: 0-MWD															
Reference		Offset		Semi Major Axis			Distance								
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
4,700.0	4,544.2	3,796.0	3,367.0	21.8	30.0	-125.98	941.9	-964.8	2,163.8	2,128.9	34.98	61.867			
4,800.0	4,642.8	3,871.9	3,426.5	22.1	31.0	-127.42	975.7	-997.8	2,227.0	2,190.7	36.28	61.385			
4,900.0	4,742.2	3,948.9	3,486.8	22.3	32.0	-128.62	1,009.9	-1,031.2	2,287.7	2,250.2	37.49	61.027			
5,000.0	4,842.0	4,026.6	3,547.6	22.5	33.1	-129.61	1,044.4	-1,065.0	2,346.1	2,307.5	38.59	60.798			
5,070.1	4,912.0	4,081.4	3,590.6	22.6	33.8	-77.29	1,068.7	-1,088.8	2,385.5	2,346.2	39.29	60.714			
5,100.0	4,941.9	4,104.8	3,609.0	22.6	34.2	-77.07	1,079.1	-1,099.0	2,402.1	2,362.6	39.46	60.878			
5,200.0	5,041.9	4,183.2	3,670.4	22.7	35.2	-76.33	1,114.0	-1,133.0	2,457.7	2,417.7	40.01	61.423			
5,300.0	5,141.9	4,261.5	3,731.8	22.8	36.3	-75.62	1,148.8	-1,167.0	2,513.7	2,473.1	40.56	61.979			
5,400.0	5,241.9	4,339.9	3,793.2	22.9	37.4	-74.94	1,183.6	-1,201.1	2,569.9	2,528.8	41.09	62.544			
5,500.0	5,341.9	4,418.2	3,854.6	23.0	38.5	-74.26	1,218.4	-1,237.2	2,626.1	2,585.6	41.62	63.111			
5,600.0	5,441.9	4,496.5	3,915.0	23.1	39.6	-73.58	1,253.2	-1,272.0	2,682.3	2,641.4	42.15	63.678			
5,700.0	5,541.9	4,574.8	3,975.4	23.3	40.7	-72.90	1,288.0	-1,291.8	2,738.5	2,697.6	42.68	64.245			
5,800.0	5,641.9	4,653.1	4,035.8	23.4	41.8	-72.22	1,322.8	-1,315.6	2,794.7	2,753.8	43.21	64.812			
5,900.0	5,741.9	4,731.5	4,096.2	23.5	42.9	-71.54	1,357.6	-1,349.4	2,850.9	2,810.0	43.74	65.379			
6,000.0	5,841.9	4,809.8	4,156.6	23.6	44.0	-70.86	1,392.4	-1,383.2	2,907.1	2,866.2	44.27	65.946			
6,100.0	5,941.9	4,888.2	4,217.0	23.7	45.1	-70.18	1,427.2	-1,417.0	2,963.3	2,922.4	44.80	66.513			
6,200.0	6,041.9	4,966.5	4,277.4	23.8	46.2	-69.50	1,462.0	-1,450.8	3,019.5	2,978.6	45.33	67.080			
6,300.0	6,141.9	5,044.8	4,337.8	24.0	47.3	-68.82	1,496.8	-1,484.6	3,075.7	3,034.8	45.86	67.647			
6,400.0	6,241.9	5,123.2	4,398.2	24.1	48.4	-68.14	1,531.6	-1,518.4	3,131.9	3,090.0	46.39	68.214			
6,500.0	6,341.9	5,201.5	4,458.6	24.2	49.5	-67.46	1,566.4	-1,552.2	3,188.1	3,145.2	46.92	68.781			
6,600.0	6,441.9	5,279.8	4,519.0	24.3	50.6	-66.78	1,601.2	-1,586.0	3,244.3	3,200.4	47.45	69.348			
6,700.0	6,541.9	5,358.2	4,579.4	24.5	51.7	-66.10	1,636.0	-1,619.8	3,300.5	3,256.6	47.98	69.915			
6,800.0	6,641.9	5,436.5	4,639.8	24.6	52.8	-65.42	1,670.8	-1,653.6	3,356.7	3,312.8	48.51	70.482			
6,900.0	6,741.9	5,514.8	4,699.2	24.7	53.9	-64.74	1,705.6	-1,687.4	3,412.9	3,369.0	49.04	71.049			
7,000.0	6,841.9	5,593.2	4,759.6	24.9	55.0	-64.06	1,740.4	-1,721.2	3,469.1	3,425.2	49.57	71.616			
7,100.0	6,941.9	5,671.5	4,819.0	25.0	56.1	-63.38	1,775.2	-1,754.0	3,525.3	3,481.4	50.10	72.183			
7,200.0	7,041.9	5,749.8	4,879.4	25.1	57.2	-62.70	1,810.0	-1,787.8	3,581.5	3,537.6	50.63	72.750			
7,300.0	7,141.9	5,828.2	4,939.8	25.3	58.3	-62.02	1,844.8	-1,824.6	3,637.7	3,593.8	51.16	73.317			
7,400.0	7,241.9	5,906.5	4,999.2	25.4	59.4	-61.34	1,879.6	-1,858.4	3,693.9	3,650.0	51.69	73.884			
7,500.0	7,341.9	5,984.8	5,059.6	25.5	60.5	-60.66	1,914.4	-1,897.2	3,750.1	3,706.2	52.22	74.451			
7,555.1	7,397.0	6,032.8	5,107.6	25.6	61.6	-60.00	1,949.2	-1,930.0	3,806.3	3,762.4	52.75	75.018			

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design														Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 21D-14-06-92 - Wellbore #1 - Design #1														Offset Well Error:	0.0 usft
Survey Program: 0-MWD															
Reference		Offset		Semi Major Axis			Distance								
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	-179.77	-40.0	-0.2	40.0						
100.0	100.0	100.0	100.0	0.1	0.1	-179.77	-40.0	-0.2	40.0	39.8	0.19	214.354			
200.0	200.0	200.0	200.0	0.3	0.3	-179.77	-40.0	-0.2	40.0	39.4	0.64	62.867			
300.0	300.0	300.0	300.0	0.5	0.5	-179.77	-40.0	-0.2	40.0	38.9	1.09	36.835			
400.0	400.0	400.0	400.0	0.8	0.8	-179.77	-40.0	-0.2	40.0	38.5	1.54	26.049			
500.0	500.0	500.0	500.0	1.0	1.0	-179.77	-40.0	-0.2	40.0	38.0	1.98	20.149			
600.0	600.0	600.0	600.0	1.2	1.2	-179.77	-40.0	-0.2	40.0	37.6	2.43	16.428			
700.0	700.0	700.0	700.0	1.4	1.4	-179.77	-40.0	-0.2	40.0	37.1	2.88	13.867			
800.0	800.0	800.0	800.0	1.7	1.7	-179.77	-40.0	-0.2	40.0	36.7	3.33	11.997			
900.0	900.0	900.0	900.0	1.9	1.9	-179.77	-40.0	-0.2	40.0	36.2	3.78	10.571			
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-179.77	-40.0	-0.2	40.0	35.8	4.23	9.448			
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	-179.77	-40.0	-0.2	40.0	35.4	4.57	8.751			
1,100.0	1,100.0	1,100.0	1,100.0	2.3	2.3	97.50	-40.0	-0.2	40.0	35.3	4.68	8.552			
1,175.0	1,174.9	1,175.9	1,175.9	2.5	2.5	103.68	-38.9	-1.5	39.5	34.5	5.00	7.906			
1,197.4	1,197.3	1,198.5	1,198.4	2.5	2.6	113.69	-38.1	-2.5	39.4	34.3	5.10	7.731 CC			
1,200.0	1,199.9	1,201.1	1,201.0	2.5	2.6	114.77	-38.0	-2.6	39.4	34.3	5.11	7.714 ES, SF			
1,300.0	1,299.3	1,300.4	1,299.9	2.8	2.8	150.06	-32.3	-9.7	43.8	38.3	5.54	7.910			
1,400.0	1,398.1	1,396.9	1,395.2	3.0	3.0	176.30	-23.1	-21.0	60.5	54.6	5.97	10.144			
1,500.0	1,495.6	1,489.4	1,485.7	3.3	3.3	-167.61	-10.9	-35.9	89.8	83.4	6.41	14.020			
1,604.7	1,596.1	1,581.2	1,574.3	3.7	3.6	-157.78	4.3	-54.6	131.4	124.5	6.90	19.050			
1,700.0	1,686.8	1,660.6	1,649.7	4.2	4.0	-153.53	20.0	-73.9	175.4	167.9	7.45	23.549			
1,800.0	1,782.0	1,740.4	1,724.2	4.7	4.4	-150.05	38.0	-96.1	224.8	216.8	8.07	27.869			
1,900.0	1,877.1	1,816.4	1,793.8	5.2	4.9	-147.20	57.3	-119.9	277.6	268.9	8.73	31.811			
2,000.0	1,972.2	1,888.7	1,858.5	5.7	5.4	-144.80	77.5	-144.8	333.6	324.2	9.42	35.398			
2,100.0	2,067.3	1,957.1	1,918.5	6.3	6.0	-142.75	98.3	-170.4	392.6	382.4	10.16	38.638			
2,200.0	2,162.5	2,021.9	1,973.9	6.9	6.6	-140.97	119.4	-196.3	454.4	443.5	10.89	41.710			
2,300.0	2,257.6	2,083.0	2,025.0	7.5	7.3	-139.42	140.6	-222.4	518.8	507.2	11.64	44.557			
2,400.0	2,352.7	2,154.3	2,083.5	8.0	8.0	-137.82	166.2	-253.9	585.0	572.5	12.47	46.898			
2,500.0	2,447.8	2,228.2	2,144.3	8.6	8.9	-136.48	192.8	-286.7	651.5	638.1	13.31	48.934			
2,600.0	2,542.9	2,302.1	2,205.0	9.2	9.7	-135.39	219.4	-319.4	718.1	703.9	14.16	50.713			
2,700.0	2,638.1	2,376.1	2,265.7	9.9	10.6	-134.47	246.0	-352.1	784.8	769.8	15.02	52.253			
2,800.0	2,733.2	2,450.0	2,326.4	10.5	11.5	-133.71	272.6	-384.9	851.6	835.8	15.88	53.616			
2,900.0	2,828.3	2,523.9	2,387.2	11.1	12.4	-133.05	299.2	-417.6	918.5	901.8	16.75	54.829			
3,000.0	2,923.4	2,597.9	2,447.9	11.7	13.3	-132.48	325.8	-450.3	985.5	967.9	17.63	55.910			
3,100.0	3,018.6	2,671.8	2,508.6	12.3	14.2	-131.98	352.4	-483.1	1,052.5	1,034.0	18.51	56.871			
3,200.0	3,113.7	2,745.7	2,569.3	12.9	15.1	-131.54	379.0	-515.8	1,119.6	1,100.2	19.39	57.738			
3,300.0	3,208.8	2,819.7	2,630.1	13.5	16.0	-131.15	405.6	-548.5	1,186.6	1,166.4	20.28	58.524			
3,400.0	3,303.9	2,893.6	2,690.8	14.1	16.9	-130.80	432.2	-581.3	1,253.7	1,232.6	21.17	59.236			
3,500.0	3,399.1	2,967.6	2,751.5	14.8	17.8	-130.49	458.8	-614.0	1,320.9	1,298.8	22.06	59.881			
3,600.0	3,494.2	3,041.5	2,812.3	15.4	18.7	-130.21	485.4	-646.7	1,388.0	1,365.1	22.95	60.473			
3,700.0	3,589.3	3,115.4	2,873.0	16.0	19.6	-129.95	512.0	-679.5	1,455.2	1,431.3	23.85	61.016			
3,800.0	3,684.4	3,189.4	2,933.7	16.6	20.5	-129.72	538.6	-712.2	1,522.4	1,497.6	24.75	61.515			
3,900.0	3,779.6	3,263.3	2,994.4	17.2	21.4	-129.50	565.2	-744.9	1,589.6	1,563.9	25.65	61.974			
4,000.0	3,874.7	3,337.2	3,055.2	17.9	22.4	-129.30	591.7	-777.7	1,656.8	1,630.2	26.55	62.400			
4,100.0	3,969.8	3,411.2	3,115.9	18.5	23.3	-129.12	618.3	-810.4	1,724.0	1,696.5	27.45	62.795			
4,200.0	4,064.9	3,485.1	3,176.6	19.1	24.2	-128.95	644.9	-843.1	1,791.2	1,762.8	28.36	63.161			
4,300.0	4,160.1	3,559.0	3,237.3	19.7	25.1	-128.80	671.5	-875.8	1,858.4	1,829.2	29.27	63.502			
4,400.0	4,255.2	3,633.0	3,298.1	20.4	26.0	-128.65	698.1	-908.6	1,925.7	1,895.5	30.17	63.821			
4,471.2	4,322.9	3,685.6	3,341.3	20.8	26.7	-128.56	717.1	-931.9	1,973.5	1,942.7	30.82	64.035			
4,500.0	4,350.4	3,707.0	3,358.9	21.0	27.0	-129.12	724.8	-941.3	1,992.8	1,961.6	31.22	63.824			
4,600.0	4,446.7	3,782.4	3,420.8	21.4	27.9	-130.86	751.9	-974.7	2,058.1	2,025.6	32.56	63.219			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 21D-14-06-92 - Wellbore #1 - Design #1													Offset Well Error:	0.0 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,700.0	4,544.2	3,859.6	3,484.2	21.8	28.9	-132.30	779.7	-1,008.9	2,120.8	2,087.0	33.83	62.696		
4,800.0	4,642.8	3,938.3	3,548.9	22.1	29.8	-133.48	808.0	-1,043.8	2,180.8	2,145.8	35.02	62.273		
4,900.0	4,742.2	4,018.3	3,614.6	22.3	30.8	-134.43	836.8	-1,079.2	2,238.0	2,201.9	36.12	61.960		
5,000.0	4,842.0	4,099.4	3,681.2	22.5	31.9	-135.18	865.9	-1,115.1	2,292.3	2,255.2	37.12	61.763		
5,070.1	4,912.0	4,156.8	3,728.3	22.6	32.6	-82.70	886.6	-1,140.5	2,328.7	2,290.9	37.74	61.695		
5,100.0	4,941.9	4,181.4	3,748.5	22.6	32.9	-82.49	895.4	-1,151.4	2,343.9	2,306.0	37.92	61.819		
5,200.0	5,041.9	4,263.5	3,816.0	22.7	33.9	-81.81	925.0	-1,187.7	2,394.9	2,356.5	38.48	62.232		
5,300.0	5,141.9	4,345.7	3,883.4	22.8	34.9	-81.15	954.5	-1,224.1	2,446.3	2,407.2	39.04	62.657		
5,400.0	5,241.9	5,813.2	5,241.9	22.9	43.8	-75.95	1,237.8	-1,572.8	2,496.1	2,453.0	43.08	57.936		
5,500.0	5,341.9	5,913.2	5,341.9	23.0	43.9	-75.95	1,237.8	-1,572.8	2,496.1	2,452.8	43.30	57.645		
5,600.0	5,441.9	6,013.2	5,441.9	23.1	43.9	-75.95	1,237.8	-1,572.8	2,496.1	2,452.6	43.52	57.352		
5,700.0	5,541.9	6,113.2	5,541.9	23.3	44.0	-75.95	1,237.8	-1,572.8	2,496.1	2,452.3	43.75	57.058		
5,800.0	5,641.9	6,213.2	5,641.9	23.4	44.1	-75.95	1,237.8	-1,572.8	2,496.1	2,452.1	43.97	56.762		
5,900.0	5,741.9	6,313.2	5,741.9	23.5	44.1	-75.95	1,237.8	-1,572.8	2,496.1	2,451.9	44.21	56.465		
6,000.0	5,841.9	6,413.2	5,841.9	23.6	44.2	-75.95	1,237.8	-1,572.8	2,496.1	2,451.6	44.44	56.166		
6,100.0	5,941.9	6,513.2	5,941.9	23.7	44.2	-75.95	1,237.8	-1,572.8	2,496.1	2,451.4	44.68	55.867		
6,200.0	6,041.9	6,613.2	6,041.9	23.8	44.3	-75.95	1,237.8	-1,572.8	2,496.1	2,451.2	44.92	55.567		
6,300.0	6,141.9	6,713.2	6,141.9	24.0	44.4	-75.95	1,237.8	-1,572.8	2,496.1	2,450.9	45.16	55.267		
6,400.0	6,241.9	6,813.2	6,241.9	24.1	44.4	-75.95	1,237.8	-1,572.8	2,496.1	2,450.7	45.41	54.965		
6,500.0	6,341.9	6,913.2	6,341.9	24.2	44.5	-75.95	1,237.8	-1,572.8	2,496.1	2,450.4	45.66	54.664		
6,600.0	6,441.9	7,013.2	6,441.9	24.3	44.6	-75.95	1,237.8	-1,572.8	2,496.1	2,450.2	45.92	54.362		
6,700.0	6,541.9	7,113.2	6,541.9	24.5	44.7	-75.95	1,237.8	-1,572.8	2,496.1	2,449.9	46.17	54.060		
6,800.0	6,641.9	7,213.2	6,641.9	24.6	44.7	-75.95	1,237.8	-1,572.8	2,496.1	2,449.6	46.43	53.758		
6,900.0	6,741.9	7,313.2	6,741.9	24.7	44.8	-75.95	1,237.8	-1,572.8	2,496.1	2,449.4	46.69	53.456		
7,000.0	6,841.9	7,413.2	6,841.9	24.9	44.9	-75.95	1,237.8	-1,572.8	2,496.1	2,449.1	46.96	53.154		
7,100.0	6,941.9	7,513.2	6,941.9	25.0	44.9	-75.95	1,237.8	-1,572.8	2,496.1	2,448.9	47.23	52.853		
7,200.0	7,041.9	7,613.2	7,041.9	25.1	45.0	-75.95	1,237.8	-1,572.8	2,496.1	2,448.6	47.50	52.552		
7,300.0	7,141.9	7,713.2	7,141.9	25.3	45.1	-75.95	1,237.8	-1,572.8	2,496.1	2,448.3	47.77	52.251		
7,400.0	7,241.9	7,813.2	7,241.9	25.4	45.2	-75.95	1,237.8	-1,572.8	2,496.1	2,448.0	48.05	51.951		
7,500.0	7,341.9	7,913.2	7,341.9	25.5	45.2	-75.95	1,237.8	-1,572.8	2,496.1	2,447.8	48.33	51.652		
7,555.1	7,397.0	7,968.2	7,397.0	25.6	45.3	-75.95	1,237.8	-1,572.8	2,496.1	2,447.6	48.48	51.487		

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 22A-14-06-92 - Wellbore #1 - Design #1													Offset Well Error:	0.0 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-179.77	-70.0	-0.3	70.0	69.8	0.19	375.121		
100.0	100.0	100.0	100.0	0.1	0.1	-179.77	-70.0	-0.3	70.0	69.3	0.64	110.018		
200.0	200.0	200.0	200.0	0.3	0.3	-179.77	-70.0	-0.3	70.0	68.9	1.09	64.462		
300.0	300.0	300.0	300.0	0.5	0.5	-179.77	-70.0	-0.3	70.0	68.4	1.54	45.586		
400.0	400.0	400.0	400.0	0.8	0.8	-179.77	-70.0	-0.3	70.0	68.0	1.98	35.261		
500.0	500.0	500.0	500.0	1.0	1.0	-179.77	-70.0	-0.3	70.0	67.5	2.43	28.749		
600.0	600.0	600.0	600.0	1.2	1.2	-179.77	-70.0	-0.3	70.0	67.1	2.88	24.267		
700.0	700.0	700.0	700.0	1.4	1.4	-179.77	-70.0	-0.3	70.0	66.6	3.33	20.995		
800.0	800.0	800.0	800.0	1.7	1.7	-179.77	-70.0	-0.3	70.0	66.2	3.78	18.500		
900.0	900.0	900.0	900.0	1.9	1.9	-179.77	-70.0	-0.3	70.0	65.7	4.23	16.535		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-179.77	-70.0	-0.3	70.0	65.4	4.57	15.315 CC		
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	-179.77	-70.0	-0.3	70.0	65.3	4.68	14.962 ES		
1,100.0	1,100.0	1,100.0	1,100.0	2.3	2.3	97.38	-70.0	-0.3	70.0	65.3	5.00	14.066		
1,175.0	1,174.9	1,175.3	1,175.3	2.5	2.5	99.74	-69.9	-0.3	70.3	65.5	5.11	13.809		
1,200.0	1,199.9	1,200.5	1,200.5	2.5	2.6	108.22	-69.7	-0.4	70.6	65.5	5.55	13.346 SF		
1,300.0	1,299.3	1,301.0	1,301.0	2.8	2.8	129.24	-67.9	-1.2	74.1	65.5	5.99	13.886		
1,400.0	1,398.1	1,400.7	1,400.7	3.0	3.0	143.92	-64.6	-2.8	83.2	65.5	6.40	15.457		
1,500.0	1,495.6	1,499.3	1,499.1	3.3	3.2	155.88	-59.8	-5.0	98.9	65.5	6.79	18.094		
1,604.7	1,596.1	1,601.0	1,600.5	3.7	3.5	165.65	-53.2	-8.1	122.9	65.5	7.22	20.601		
1,700.0	1,686.8	1,692.2	1,691.4	4.2	3.7	171.26	-46.1	-11.4	148.7	65.5	7.68	23.011		
1,800.0	1,782.0	1,787.5	1,786.4	4.7	3.9	175.40	-38.6	-14.9	176.7	65.5	8.15	25.181		
1,900.0	1,877.1	1,882.9	1,881.3	5.2	4.1	178.40	-31.0	-18.4	205.3	65.5	8.64	27.151		
2,000.0	1,972.2	1,975.8	1,973.8	5.7	4.4	-179.29	-23.5	-22.2	234.6	65.5	9.14	29.135		
2,100.0	2,067.3	2,063.4	2,060.7	6.3	4.6	-176.80	-14.8	-29.3	266.2	65.5	9.66	31.143		
2,200.0	2,162.5	2,148.3	2,144.3	6.9	4.9	-174.11	-4.5	-40.1	301.0	65.5	10.23	33.156		
2,300.0	2,257.6	2,230.2	2,224.1	7.5	5.1	-171.37	7.2	-54.3	339.1	65.5	10.82	35.166		
2,400.0	2,352.7	2,308.8	2,299.8	8.0	5.4	-168.72	20.0	-71.4	380.6	65.5	11.46	37.144		
2,500.0	2,447.8	2,384.1	2,371.2	8.6	5.8	-166.21	33.6	-90.7	425.6	65.5	12.13	39.094		
2,600.0	2,542.9	2,455.9	2,438.3	9.2	6.1	-163.88	47.8	-112.0	474.1	65.5	12.82	41.023		
2,700.0	2,638.1	2,524.2	2,501.0	9.9	6.5	-161.74	62.5	-134.7	525.9	65.5	13.53	42.941		
2,800.0	2,733.2	2,589.0	2,559.4	10.5	7.0	-159.80	77.4	-158.4	580.9	65.5	14.26	44.822		
2,900.0	2,828.3	2,650.4	2,613.8	11.1	7.4	-158.03	92.4	-182.9	638.9	65.5	14.98	46.719		
3,000.0	2,923.4	2,708.6	2,664.2	11.7	7.9	-156.43	107.3	-207.7	699.8	65.5	15.73	48.511		
3,100.0	3,018.6	2,766.6	2,713.4	12.3	8.4	-154.91	122.9	-234.1	763.3	65.5	16.60	49.877		
3,200.0	3,113.7	2,840.5	2,775.7	12.9	9.2	-153.18	143.0	-268.3	828.0	65.5	17.46	51.150		
3,300.0	3,208.8	2,914.3	2,838.0	13.5	9.9	-151.69	163.2	-302.6	893.1	65.5	18.32	52.314		
3,400.0	3,303.9	2,988.2	2,900.3	14.1	10.7	-150.40	183.3	-336.8	958.5	65.5	19.19	53.385		
3,500.0	3,399.1	3,062.1	2,962.6	14.8	11.4	-149.26	203.5	-371.0	1,024.2	65.5	20.05	54.379		
3,600.0	3,494.2	3,136.0	3,024.9	15.4	12.2	-148.25	223.6	-405.3	1,090.1	65.5	20.91	55.304		
3,700.0	3,589.3	3,209.8	3,087.1	16.0	13.0	-147.36	243.7	-439.5	1,156.2	65.5	21.77	56.161		
3,800.0	3,684.4	3,283.7	3,149.4	16.6	13.8	-146.56	263.9	-473.8	1,222.4	65.5	22.62	56.960		
3,900.0	3,779.6	3,357.6	3,211.7	17.2	14.7	-145.84	284.0	-508.0	1,288.7	65.5	23.48	57.708		
4,000.0	3,874.7	3,431.4	3,274.0	17.9	15.5	-145.19	304.1	-542.2	1,355.1	65.5	24.34	58.409		
4,100.0	3,969.8	3,505.3	3,336.3	18.5	16.3	-144.60	324.3	-576.5	1,421.7	65.5	25.20	59.064		
4,200.0	4,064.9	3,579.2	3,398.5	19.1	17.2	-144.06	344.4	-610.7	1,488.3	65.5	26.05	59.681		
4,300.0	4,160.1	3,653.1	3,460.8	19.7	18.0	-143.56	364.5	-645.0	1,555.0	65.5	26.91	60.261		
4,400.0	4,255.2	3,726.9	3,523.1	20.4	18.9	-143.11	384.7	-679.2	1,621.7	65.5	27.52	60.654		
4,471.2	4,322.9	3,779.5	3,567.4	20.8	19.5	-142.81	399.0	-703.6	1,669.2	65.5	27.84	60.646		
4,500.0	4,350.4	3,800.9	3,585.5	21.0	19.7	-143.15	404.8	-713.5	1,688.4	65.5	28.90	60.656		
4,600.0	4,446.7	3,876.6	3,649.3	21.4	20.6	-144.15	425.5	-748.6	1,752.7	65.5	29.91	60.639		
4,700.0	4,544.2	3,954.4	3,714.9	21.8	21.5	-144.92	446.7	-784.6	1,813.8	65.5				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Valley Farms G - Valley Farms G 22A-14-06-92 - Wellbore #1 - Design #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,800.0	4,642.8	4,034.1	3,782.1	22.1	22.4	-145.49	468.4	-821.6	1,871.7	1,840.8	30.87	60.624		
4,900.0	4,742.2	4,115.5	3,850.7	22.3	23.4	-145.88	490.6	-859.3	1,926.1	1,894.4	31.77	60.631		
5,000.0	4,842.0	4,198.3	3,920.5	22.5	24.3	-146.12	513.2	-897.7	1,977.2	1,944.6	32.58	60.677		
5,070.1	4,912.0	4,257.1	3,970.1	22.6	25.0	-93.31	529.2	-925.0	2,010.8	1,977.7	33.11	60.739		
5,100.0	4,941.9	4,282.3	3,991.4	22.6	25.3	-93.07	536.1	-936.7	2,024.9	1,991.6	33.30	60.805		
5,200.0	5,041.9	4,366.6	4,062.5	22.7	26.3	-92.29	559.1	-975.7	2,072.0	2,038.0	33.95	61.031		
5,300.0	5,141.9	4,451.0	4,133.5	22.8	27.3	-91.53	582.0	-1,014.8	2,119.4	2,084.8	34.58	61.282		
5,400.0	5,241.9	4,535.3	4,204.6	22.9	28.3	-90.81	605.0	-1,053.9	2,167.1	2,131.9	35.21	61.555		
5,500.0	5,341.9	4,619.6	4,275.7	23.0	29.3	-90.11	628.0	-1,093.0	2,215.1	2,179.3	35.82	61.847		
5,600.0	5,441.9	4,703.9	4,346.8	23.1	30.2	-89.45	651.0	-1,132.1	2,263.4	2,227.0	36.42	62.155		
5,700.0	5,541.9	4,788.2	4,417.9	23.3	31.2	-88.81	674.0	-1,171.1	2,311.9	2,274.9	37.00	62.478		
5,800.0	5,641.9	4,872.5	4,489.0	23.4	32.2	-88.19	696.9	-1,210.2	2,360.6	2,323.0	37.58	62.813		
5,900.0	5,741.9	4,956.8	4,560.0	23.5	33.2	-87.60	719.9	-1,249.3	2,409.6	2,371.4	38.15	63.158		
6,000.0	5,841.9	5,041.1	4,641.9	23.6	34.2	-87.00	743.9	-1,288.9	2,433.3	2,391.4	41.87	58.120		
6,100.0	5,941.9	5,126.1	4,722.9	23.7	35.2	-86.41	768.9	-1,328.9	2,433.3	2,391.2	42.12	57.770		
6,200.0	6,041.9	5,211.1	4,804.9	23.8	36.2	-85.83	793.9	-1,368.9	2,433.3	2,390.9	42.38	57.420		
6,300.0	6,141.9	5,296.1	4,886.9	24.0	36.8	-85.49	818.9	-1,368.9	2,433.3	2,390.6	42.64	57.071		
6,400.0	6,241.9	5,381.1	4,968.9	24.1	37.9	-83.49	843.9	-1,568.9	2,433.3	2,390.4	42.90	56.721		
6,500.0	6,341.9	5,466.1	5,050.9	24.2	39.0	-83.49	868.9	-1,568.9	2,433.3	2,390.1	43.17	56.371		
6,600.0	6,441.9	5,551.1	5,132.9	24.3	41.0	-83.49	907.9	-1,568.9	2,433.3	2,389.8	43.43	56.022		
6,700.0	6,541.9	5,636.1	5,214.9	24.5	41.1	-83.49	907.9	-1,568.9	2,433.3	2,389.6	43.71	55.674		
6,800.0	6,641.9	5,721.1	5,296.9	24.6	41.2	-83.49	907.9	-1,568.9	2,433.3	2,389.3	43.98	55.326		
6,900.0	6,741.9	5,806.1	5,378.9	24.7	41.2	-83.49	907.9	-1,568.9	2,433.3	2,389.0	44.26	54.979		
7,000.0	6,841.9	5,891.1	5,460.9	24.9	41.3	-83.49	907.9	-1,568.9	2,433.3	2,388.7	44.54	54.632		
7,100.0	6,941.9	5,976.1	5,542.9	25.0	41.4	-83.49	907.9	-1,568.9	2,433.3	2,388.5	44.82	54.287		
7,200.0	7,041.9	6,061.1	5,624.9	25.1	41.5	-83.49	907.9	-1,568.9	2,433.3	2,388.2	45.11	53.943		
7,300.0	7,141.9	6,146.1	5,706.9	25.3	41.6	-83.49	907.9	-1,568.9	2,433.3	2,387.9	45.40	53.601		
7,400.0	7,241.9	6,231.1	5,788.9	25.4	41.7	-83.49	907.9	-1,568.9	2,433.3	2,387.6	45.69	53.259		
7,500.0	7,341.9	6,316.1	5,870.9	25.5	41.7	-83.49	907.9	-1,568.9	2,433.3	2,387.3	45.98	52.919		
7,555.1	7,397.0	6,376.2	5,927.0	25.6	41.8	-83.49	907.9	-1,568.9	2,433.3	2,387.1	46.14	52.732		

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 22B-14-06-92 - Wellbore #1 - Design #1													Offset Well Error:	0.0 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-32.51	35.1	-22.4	41.6					
100.0	100.0	100.0	100.0	0.1	0.1	-32.51	35.1	-22.4	41.6	41.4	0.19	222.955		
200.0	200.0	200.0	200.0	0.3	0.3	-32.51	35.1	-22.4	41.6	41.0	0.64	65.390		
300.0	300.0	300.0	300.0	0.5	0.5	-32.51	35.1	-22.4	41.6	40.5	1.09	38.313		
400.0	400.0	400.0	400.0	0.8	0.8	-32.51	35.1	-22.4	41.6	40.1	1.54	27.094		
500.0	500.0	500.0	500.0	1.0	1.0	-32.51	35.1	-22.4	41.6	39.6	1.98	20.957		
600.0	600.0	600.0	600.0	1.2	1.2	-32.51	35.1	-22.4	41.6	39.2	2.43	17.087		
700.0	700.0	700.0	700.0	1.4	1.4	-32.51	35.1	-22.4	41.6	38.7	2.88	14.423		
800.0	800.0	800.0	800.0	1.7	1.7	-32.51	35.1	-22.4	41.6	38.3	3.33	12.478		
900.0	900.0	900.0	900.0	1.9	1.9	-32.51	35.1	-22.4	41.6	37.8	3.78	10.995		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-32.51	35.1	-22.4	41.6	37.4	4.23	9.828		
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	-32.51	35.1	-22.4	41.6	37.0	4.57	9.102 CC, ES		
1,100.0	1,100.0	1,099.4	1,099.4	2.3	2.3	-115.72	35.2	-22.4	41.9	37.2	4.68	8.951 SF		
1,175.0	1,174.9	1,172.3	1,172.2	2.5	2.5	-118.57	37.6	-23.8	46.0	41.0	4.99	9.202		
1,200.0	1,199.9	1,196.6	1,196.5	2.5	2.6	-113.12	38.9	-24.7	48.3	43.2	5.10	9.466		
1,300.0	1,299.3	1,292.5	1,291.9	2.8	2.8	-110.00	45.0	-31.5	61.3	55.8	5.53	11.087		
1,400.0	1,398.1	1,385.2	1,383.6	3.0	3.0	-116.20	52.1	-43.3	82.6	76.6	5.98	13.806		
1,500.0	1,495.6	1,473.4	1,470.0	3.3	3.3	-122.51	60.0	-59.2	113.7	107.2	6.45	17.634		
1,604.7	1,596.1	1,559.9	1,553.7	3.7	3.6	-127.22	68.9	-79.2	156.7	149.7	6.95	22.531		
1,700.0	1,686.8	1,633.9	1,624.3	4.2	3.9	-131.94	77.2	-99.6	203.0	195.6	7.45	27.264		
1,800.0	1,782.0	1,707.6	1,693.6	4.7	4.3	-134.88	86.3	-123.1	256.2	248.3	7.98	32.109		
1,900.0	1,877.1	1,777.3	1,758.0	5.2	4.7	-136.68	95.6	-148.0	313.4	304.9	8.53	36.729		
2,000.0	1,972.2	1,843.1	1,817.7	5.7	5.1	-137.79	104.8	-174.0	374.1	365.0	9.10	41.114		
2,100.0	2,067.3	1,906.5	1,874.2	6.3	5.6	-138.51	114.3	-201.2	437.7	428.1	9.68	45.244		
2,200.0	2,162.5	1,982.5	1,941.4	6.9	6.3	-139.13	125.9	-234.9	502.6	492.3	10.30	48.801		
2,300.0	2,257.6	2,058.5	2,008.5	7.5	7.0	-139.60	137.4	-268.5	567.5	556.6	10.92	51.962		
2,400.0	2,352.7	2,134.5	2,075.7	8.0	7.7	-139.98	149.0	-302.2	632.5	620.9	11.56	54.717		
2,500.0	2,447.8	2,210.5	2,142.8	8.6	8.4	-140.29	160.6	-335.8	697.4	685.2	12.21	57.121		
2,600.0	2,542.9	2,286.5	2,210.0	9.2	9.1	-140.55	172.1	-369.4	762.3	749.5	12.87	59.220		
2,700.0	2,638.1	2,362.5	2,277.1	9.9	9.8	-140.76	183.7	-403.1	827.3	813.8	13.55	61.067		
2,800.0	2,733.2	2,438.5	2,344.3	10.5	10.6	-140.94	195.3	-436.7	892.3	878.0	14.23	62.704		
2,900.0	2,828.3	2,514.5	2,411.4	11.1	11.3	-141.10	206.9	-470.4	957.2	942.3	14.92	64.160		
3,000.0	2,923.4	2,590.5	2,478.6	11.7	12.0	-141.24	218.4	-504.0	1,022.2	1,006.6	15.62	65.458		
3,100.0	3,018.6	2,666.5	2,545.7	12.3	12.8	-141.37	230.0	-537.7	1,087.2	1,070.9	16.32	66.618		
3,200.0	3,113.7	2,742.5	2,612.9	12.9	13.6	-141.47	241.6	-571.3	1,152.2	1,135.1	17.03	67.665		
3,300.0	3,208.8	2,818.5	2,680.0	13.5	14.3	-141.57	253.1	-605.0	1,217.1	1,199.4	17.74	68.611		
3,400.0	3,303.9	2,894.5	2,747.2	14.1	15.1	-141.66	264.7	-638.6	1,282.1	1,263.7	18.46	69.468		
3,500.0	3,399.1	2,970.5	2,814.4	14.8	15.8	-141.74	276.3	-672.3	1,347.1	1,327.9	19.18	70.246		
3,600.0	3,494.2	3,046.5	2,881.5	15.4	16.6	-141.81	287.8	-705.9	1,412.1	1,392.2	19.90	70.957		
3,700.0	3,589.3	3,122.5	2,948.7	16.0	17.4	-141.87	299.4	-739.6	1,477.1	1,456.4	20.63	71.609		
3,800.0	3,684.4	3,198.5	3,015.8	16.6	18.1	-141.93	311.0	-773.2	1,542.0	1,520.7	21.36	72.207		
3,900.0	3,779.6	3,274.5	3,083.0	17.2	18.9	-141.99	322.5	-806.9	1,607.0	1,584.9	22.09	72.757		
4,000.0	3,874.7	3,350.5	3,150.1	17.9	19.7	-142.04	334.1	-840.5	1,672.0	1,649.2	22.82	73.265		
4,100.0	3,969.8	3,426.5	3,217.3	18.5	20.4	-142.08	345.7	-874.2	1,737.0	1,713.4	23.56	73.735		
4,200.0	4,064.9	3,502.5	3,284.4	19.1	21.2	-142.13	357.2	-907.8	1,802.0	1,777.7	24.29	74.172		
4,300.0	4,160.1	3,578.5	3,351.6	19.7	22.0	-142.17	368.8	-941.4	1,867.0	1,841.9	25.03	74.577		
4,400.0	4,255.2	3,654.5	3,418.7	20.4	22.7	-142.21	380.4	-975.1	1,932.0	1,906.2	25.78	74.954		
4,471.2	4,322.9	3,708.6	3,466.5	20.8	23.3	-142.23	388.6	-999.0	1,978.2	1,951.9	26.30	75.208		
4,500.0	4,350.4	3,730.6	3,486.0	21.0	23.5	-142.68	392.0	-1,008.8	1,996.8	1,970.2	26.61	75.049		
4,600.0	4,446.7	3,808.6	3,555.0	21.4	24.3	-144.06	403.8	-1,043.4	2,059.3	2,031.7	27.61	74.580		
4,700.0	4,544.2	3,889.2	3,626.1	21.8	25.1	-145.17	416.1	-1,079.0	2,118.4	2,089.8	28.58	74.126		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Valley Farms G - Valley Farms G 22B-14-06-92 - Wellbore #1 - Design #1											Offset Site Error:		0.0 usft
Survey Program: 0-MWD											Offset Well Error:		0.0 usft
Reference		Offset		Semi Major Axis			Distance					Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		Separation Factor
4,800.0	4,642.8	3,971.9	3,699.3	22.1	26.0	-146.06	428.7	-1,115.6	2,174.0	2,144.5	29.49	73.724	
4,900.0	4,742.2	4,056.7	3,774.2	22.3	26.8	-146.75	441.6	-1,153.2	2,225.9	2,195.6	30.33	73.398	
5,000.0	4,842.0	4,143.2	3,850.6	22.5	27.7	-147.26	454.8	-1,191.5	2,274.2	2,243.1	31.08	73.162	
5,070.1	4,912.0	4,204.8	3,905.0	22.6	28.3	-94.64	464.1	-1,218.7	2,305.7	2,274.2	31.56	73.055	
5,100.0	4,941.9	4,231.2	3,928.4	22.6	28.6	-94.50	468.2	-1,230.5	2,318.8	2,287.1	31.72	73.102	
5,200.0	5,041.9	4,319.6	4,006.5	22.7	29.5	-94.06	481.6	-1,269.6	2,362.6	2,330.3	32.25	73.248	
5,300.0	5,141.9	5,510.2	5,141.9	22.8	35.2	-91.28	578.4	-1,551.1	2,400.3	2,364.9	35.46	67.685	
5,400.0	5,241.9	5,610.2	5,241.9	22.9	35.3	-91.28	578.4	-1,551.1	2,400.3	2,364.6	35.72	67.196	
5,500.0	5,341.9	5,710.2	5,341.9	23.0	35.4	-91.28	578.4	-1,551.1	2,400.3	2,364.4	35.98	66.707	
5,600.0	5,441.9	5,810.2	5,441.9	23.1	35.5	-91.28	578.4	-1,551.1	2,400.3	2,364.1	36.25	66.218	
5,700.0	5,541.9	5,910.2	5,541.9	23.3	35.5	-91.28	578.4	-1,551.1	2,400.3	2,363.8	36.52	65.730	
5,800.0	5,641.9	6,010.2	5,641.9	23.4	35.6	-91.28	578.4	-1,551.1	2,400.3	2,363.5	36.79	65.243	
5,900.0	5,741.9	6,110.2	5,741.9	23.5	35.7	-91.28	578.4	-1,551.1	2,400.3	2,363.3	37.07	64.757	
6,000.0	5,841.9	6,210.2	5,841.9	23.6	35.8	-91.28	578.4	-1,551.1	2,400.3	2,363.0	37.35	64.272	
6,100.0	5,941.9	6,310.2	5,941.9	23.7	35.8	-91.28	578.4	-1,551.1	2,400.3	2,362.7	37.63	63.789	
6,200.0	6,041.9	6,410.2	6,041.9	23.8	35.9	-91.28	578.4	-1,551.1	2,400.3	2,362.4	37.92	63.308	
6,300.0	6,141.9	6,510.2	6,141.9	24.0	36.0	-91.28	578.4	-1,551.1	2,400.3	2,362.1	38.20	62.829	
6,400.0	6,241.9	6,610.2	6,241.9	24.1	36.1	-91.28	578.4	-1,551.1	2,400.3	2,361.8	38.50	62.352	
6,500.0	6,341.9	6,710.2	6,341.9	24.2	36.2	-91.28	578.4	-1,551.1	2,400.3	2,361.5	38.79	61.878	
6,600.0	6,441.9	6,810.2	6,441.9	24.3	36.3	-91.28	578.4	-1,551.1	2,400.3	2,361.2	39.09	61.406	
6,700.0	6,541.9	6,910.2	6,541.9	24.5	36.4	-91.28	578.4	-1,551.1	2,400.3	2,360.9	39.39	60.937	
6,800.0	6,641.9	7,010.2	6,641.9	24.6	36.4	-91.28	578.4	-1,551.1	2,400.3	2,360.6	39.69	60.471	
6,900.0	6,741.9	7,110.2	6,741.9	24.7	36.5	-91.28	578.4	-1,551.1	2,400.3	2,360.3	40.00	60.007	
7,000.0	6,841.9	7,210.2	6,841.9	24.9	36.6	-91.28	578.4	-1,551.1	2,400.3	2,360.0	40.31	59.547	
7,100.0	6,941.9	7,310.2	6,941.9	25.0	36.7	-91.28	578.4	-1,551.1	2,400.3	2,359.7	40.62	59.090	
7,200.0	7,041.9	7,410.2	7,041.9	25.1	36.8	-91.28	578.4	-1,551.1	2,400.3	2,359.4	40.94	58.636	
7,300.0	7,141.9	7,510.2	7,141.9	25.3	36.9	-91.28	578.4	-1,551.1	2,400.3	2,359.1	41.25	58.186	
7,400.0	7,241.9	7,610.2	7,241.9	25.4	37.0	-91.28	578.4	-1,551.1	2,400.3	2,358.8	41.57	57.739	
7,500.0	7,341.9	7,710.2	7,341.9	25.5	37.1	-91.28	578.4	-1,551.1	2,400.3	2,358.4	41.89	57.296	
7,555.1	7,397.0	7,765.3	7,397.0	25.6	37.1	-91.28	578.4	-1,551.1	2,400.3	2,358.3	42.07	57.053	

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 22C-14-06-92 - Wellbore #1 - Design #1													Offset Well Error:	0.0 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-77.24	5.1	-22.5	23.0					
100.0	100.0	100.0	100.0	0.1	0.1	-77.24	5.1	-22.5	23.0	22.9	0.19	123.516		
200.0	200.0	200.0	200.0	0.3	0.3	-77.24	5.1	-22.5	23.0	22.4	0.64	36.225		
300.0	300.0	300.0	300.0	0.5	0.5	-77.24	5.1	-22.5	23.0	22.0	1.09	21.225		
400.0	400.0	400.0	400.0	0.8	0.8	-77.24	5.1	-22.5	23.0	21.5	1.54	15.010		
500.0	500.0	500.0	500.0	1.0	1.0	-77.24	5.1	-22.5	23.0	21.1	1.98	11.610		
600.0	600.0	600.0	600.0	1.2	1.2	-77.24	5.1	-22.5	23.0	20.6	2.43	9.466		
700.0	700.0	700.0	700.0	1.4	1.4	-77.24	5.1	-22.5	23.0	20.2	2.88	7.991		
800.0	800.0	800.0	800.0	1.7	1.7	-77.24	5.1	-22.5	23.0	19.7	3.33	6.913		
900.0	900.0	900.0	900.0	1.9	1.9	-77.24	5.1	-22.5	23.0	19.3	3.78	6.091		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-77.24	5.1	-22.5	23.0	18.8	4.23	5.444		
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	-77.24	5.1	-22.5	23.0	18.5	4.57	5.043 CC, ES		
1,100.0	1,100.0	1,099.7	1,099.7	2.3	2.3	-160.49	5.1	-22.7	23.4	18.7	4.67	5.007 SF		
1,175.0	1,174.9	1,173.3	1,173.2	2.5	2.5	-163.50	5.1	-25.4	28.9	23.9	4.97	5.808		
1,200.0	1,199.9	1,197.6	1,197.5	2.5	2.5	-157.80	5.1	-27.1	32.1	27.1	5.08	6.324		
1,300.0	1,299.3	1,293.2	1,292.6	2.8	2.8	-150.41	5.9	-36.9	51.4	45.9	5.50	9.345		
1,400.0	1,398.1	1,385.0	1,383.2	3.0	3.0	-149.58	7.6	-51.5	80.8	74.9	5.93	13.638		
1,500.0	1,495.6	1,471.8	1,467.9	3.3	3.3	-149.48	10.0	-69.9	119.9	113.6	6.35	18.895		
1,604.7	1,596.1	1,556.2	1,549.3	3.7	3.6	-149.22	13.2	-91.9	170.4	163.6	6.78	25.115		
1,700.0	1,686.8	1,628.0	1,617.6	4.2	3.9	-150.68	16.5	-113.9	222.2	215.0	7.23	30.750		
1,800.0	1,782.0	1,700.0	1,685.0	4.7	4.3	-151.32	20.4	-138.9	280.1	272.4	7.71	36.321		
1,900.0	1,877.1	1,766.7	1,746.5	5.2	4.7	-151.50	24.5	-164.7	341.1	332.9	8.21	41.557		
2,000.0	1,972.2	1,832.2	1,805.6	5.7	5.2	-151.45	29.0	-192.3	405.0	396.2	8.73	46.394		
2,100.0	2,067.3	1,908.3	1,874.0	6.3	5.8	-151.34	34.3	-225.3	469.9	460.6	9.28	50.658		
2,200.0	2,162.5	1,984.4	1,942.3	6.9	6.4	-151.25	39.7	-258.3	534.8	525.0	9.83	54.396		
2,300.0	2,257.6	2,060.4	2,010.6	7.5	7.1	-151.19	45.1	-291.3	599.7	589.3	10.40	57.660		
2,400.0	2,352.7	2,136.5	2,078.9	8.0	7.7	-151.13	50.4	-324.3	664.6	653.6	10.98	60.513		
2,500.0	2,447.8	2,212.6	2,147.3	8.6	8.4	-151.09	55.8	-357.3	729.5	717.9	11.58	63.018		
2,600.0	2,542.9	2,288.6	2,215.6	9.2	9.1	-151.05	61.2	-390.4	794.4	782.2	12.18	65.221		
2,700.0	2,638.1	2,364.7	2,283.9	9.9	9.8	-151.02	66.6	-423.4	859.3	846.5	12.79	67.168		
2,800.0	2,733.2	2,440.8	2,352.2	10.5	10.5	-151.00	71.9	-456.4	924.2	910.8	13.41	68.902		
2,900.0	2,828.3	2,516.8	2,420.5	11.1	11.1	-150.97	77.3	-489.4	989.1	975.1	14.04	70.453		
3,000.0	2,923.4	2,592.9	2,488.9	11.7	11.9	-150.95	82.7	-522.4	1,054.1	1,039.4	14.67	71.843		
3,100.0	3,018.6	2,669.0	2,557.2	12.3	12.6	-150.94	88.0	-555.5	1,119.0	1,103.7	15.31	73.091		
3,200.0	3,113.7	2,745.1	2,625.5	12.9	13.3	-150.92	93.4	-588.5	1,183.9	1,167.9	15.95	74.220		
3,300.0	3,208.8	2,821.1	2,693.8	13.5	14.0	-150.91	98.8	-621.5	1,248.8	1,232.2	16.60	75.245		
3,400.0	3,303.9	2,897.2	2,762.1	14.1	14.7	-150.89	104.2	-654.5	1,313.7	1,296.4	17.24	76.179		
3,500.0	3,399.1	2,973.3	2,830.5	14.8	15.4	-150.88	109.5	-687.5	1,378.6	1,360.7	17.90	77.028		
3,600.0	3,494.2	3,049.3	2,898.8	15.4	16.1	-150.87	114.9	-720.5	1,443.5	1,425.0	18.55	77.807		
3,700.0	3,589.3	3,125.4	2,967.1	16.0	16.8	-150.86	120.3	-753.6	1,508.4	1,489.2	19.21	78.522		
3,800.0	3,684.4	3,201.5	3,035.4	16.6	17.5	-150.85	125.7	-786.6	1,573.3	1,553.5	19.87	79.182		
3,900.0	3,779.6	3,277.6	3,103.8	17.2	18.3	-150.84	131.0	-819.6	1,638.2	1,617.7	20.53	79.789		
4,000.0	3,874.7	3,353.6	3,172.1	17.9	19.0	-150.84	136.4	-852.6	1,703.1	1,681.9	21.20	80.351		
4,100.0	3,969.8	3,429.7	3,240.4	18.5	19.7	-150.83	141.8	-885.6	1,768.0	1,746.2	21.86	80.873		
4,200.0	4,064.9	3,505.8	3,308.7	19.1	20.4	-150.82	147.1	-918.6	1,833.0	1,810.4	22.53	81.359		
4,300.0	4,160.1	3,581.8	3,377.0	19.7	21.1	-150.82	152.5	-951.7	1,897.9	1,874.7	23.20	81.810		
4,400.0	4,255.2	3,657.9	3,445.4	20.4	21.9	-150.81	157.9	-984.7	1,962.8	1,938.9	23.87	82.231		
4,471.2	4,322.9	3,712.1	3,494.0	20.8	22.4	-150.81	161.7	-1,008.2	2,009.0	1,984.6	24.35	82.515		
4,500.0	4,350.4	3,734.1	3,513.8	21.0	22.6	-151.15	163.3	-1,017.7	2,027.5	2,002.9	24.63	82.329		
4,600.0	4,446.7	3,812.4	3,584.1	21.4	23.3	-152.21	168.8	-1,051.7	2,089.6	2,064.1	25.56	81.770		
4,700.0	4,544.2	3,893.5	3,656.9	21.8	24.1	-153.05	174.5	-1,086.9	2,148.1	2,121.6	26.44	81.233		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 22C-14-06-92 - Wellbore #1 - Design #1													Offset Well Error:	0.0 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,800.0	4,642.8	3,976.9	3,731.9	22.1	24.9	-153.71	180.4	-1,123.1	2,202.7	2,175.4	27.28	80.752		
4,900.0	4,742.2	4,062.7	3,808.9	22.3	25.7	-154.20	186.5	-1,160.3	2,253.3	2,225.2	28.04	80.348		
5,000.0	4,842.0	4,150.4	3,887.7	22.5	26.5	-154.56	192.7	-1,198.4	2,299.8	2,271.1	28.74	80.034		
5,070.1	4,912.0	4,212.9	3,943.8	22.6	27.1	-101.84	197.1	-1,225.6	2,330.0	2,300.8	29.17	79.870		
5,100.0	4,941.9	4,239.8	3,968.0	22.6	27.4	-101.73	199.0	-1,237.2	2,342.4	2,313.1	29.33	79.873		
5,200.0	5,041.9	4,329.6	4,048.6	22.7	28.3	-101.35	205.3	-1,276.2	2,384.0	2,354.2	29.85	79.867		
5,300.0	5,141.9	5,470.1	5,141.9	22.8	33.5	-99.11	248.6	-1,542.4	2,421.6	2,388.7	32.91	73.586		
5,400.0	5,241.9	5,570.1	5,241.9	22.9	33.6	-99.11	248.6	-1,542.4	2,421.6	2,388.4	33.19	72.968		
5,500.0	5,341.9	5,670.1	5,341.9	23.0	33.7	-99.11	248.6	-1,542.4	2,421.6	2,388.2	33.47	72.353		
5,600.0	5,441.9	5,770.1	5,441.9	23.1	33.8	-99.11	248.6	-1,542.4	2,421.6	2,387.9	33.76	71.741		
5,700.0	5,541.9	5,870.1	5,541.9	23.3	33.8	-99.11	248.6	-1,542.4	2,421.6	2,387.6	34.04	71.131		
5,800.0	5,641.9	5,970.1	5,641.9	23.4	33.9	-99.11	248.6	-1,542.4	2,421.6	2,387.3	34.34	70.525		
5,900.0	5,741.9	6,070.1	5,741.9	23.5	34.0	-99.11	248.6	-1,542.4	2,421.6	2,387.0	34.63	69.922		
6,000.0	5,841.9	6,170.1	5,841.9	23.6	34.1	-99.11	248.6	-1,542.4	2,421.6	2,386.7	34.93	69.323		
6,100.0	5,941.9	6,270.1	5,941.9	23.7	34.2	-99.11	248.6	-1,542.4	2,421.6	2,386.4	35.24	68.727		
6,200.0	6,041.9	6,370.1	6,041.9	23.8	34.2	-99.11	248.6	-1,542.4	2,421.6	2,386.1	35.54	68.136		
6,300.0	6,141.9	6,470.1	6,141.9	24.0	34.3	-99.11	248.6	-1,542.4	2,421.6	2,385.8	35.85	67.550		
6,400.0	6,241.9	6,570.1	6,241.9	24.1	34.4	-99.11	248.6	-1,542.4	2,421.6	2,385.5	36.16	66.968		
6,500.0	6,341.9	6,670.1	6,341.9	24.2	34.5	-99.11	248.6	-1,542.4	2,421.6	2,385.1	36.48	66.391		
6,600.0	6,441.9	6,770.1	6,441.9	24.3	34.6	-99.11	248.6	-1,542.4	2,421.6	2,384.8	36.79	65.818		
6,700.0	6,541.9	6,870.1	6,541.9	24.5	34.7	-99.11	248.6	-1,542.4	2,421.6	2,384.5	37.11	65.251		
6,800.0	6,641.9	6,970.1	6,641.9	24.6	34.8	-99.11	248.6	-1,542.4	2,421.6	2,384.2	37.44	64.689		
6,900.0	6,741.9	7,070.1	6,741.9	24.7	34.9	-99.11	248.6	-1,542.4	2,421.6	2,383.9	37.76	64.132		
7,000.0	6,841.9	7,170.1	6,841.9	24.9	35.0	-99.11	248.6	-1,542.4	2,421.6	2,383.5	38.09	63.580		
7,100.0	6,941.9	7,270.1	6,941.9	25.0	35.1	-99.11	248.6	-1,542.4	2,421.6	2,383.2	38.42	63.034		
7,200.0	7,041.9	7,370.1	7,041.9	25.1	35.2	-99.11	248.6	-1,542.4	2,421.6	2,382.9	38.75	62.493		
7,300.0	7,141.9	7,470.1	7,141.9	25.3	35.3	-99.11	248.6	-1,542.4	2,421.6	2,382.5	39.09	61.957		
7,400.0	7,241.9	7,570.1	7,241.9	25.4	35.4	-99.11	248.6	-1,542.4	2,421.6	2,382.2	39.42	61.428		
7,500.0	7,341.9	7,670.1	7,341.9	25.5	35.5	-99.11	248.6	-1,542.4	2,421.6	2,381.9	39.76	60.903		
7,555.1	7,397.0	7,725.1	7,397.0	25.6	35.5	-99.11	248.6	-1,542.4	2,421.6	2,381.7	39.95	60.617		

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design														Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 22D-14-06-92 - Wellbore #1 - Design #1														Offset Well Error:	0.0 usft
Survey Program: 0-MWD															
Reference		Offset		Semi Major Axis			Distance								
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	-137.78	-24.9	-22.6	33.6						
100.0	100.0	100.0	100.0	0.1	0.1	-137.78	-24.9	-22.6	33.6	33.4	0.19	180.240			
200.0	200.0	200.0	200.0	0.3	0.3	-137.78	-24.9	-22.6	33.6	33.0	0.64	52.862			
300.0	300.0	300.0	300.0	0.5	0.5	-137.78	-24.9	-22.6	33.6	32.5	1.09	30.973			
400.0	400.0	400.0	400.0	0.8	0.8	-137.78	-24.9	-22.6	33.6	32.1	1.54	21.903			
500.0	500.0	500.0	500.0	1.0	1.0	-137.78	-24.9	-22.6	33.6	31.6	1.98	16.942			
600.0	600.0	600.0	600.0	1.2	1.2	-137.78	-24.9	-22.6	33.6	31.2	2.43	13.813			
700.0	700.0	700.0	700.0	1.4	1.4	-137.78	-24.9	-22.6	33.6	30.7	2.88	11.660			
800.0	800.0	800.0	800.0	1.7	1.7	-137.78	-24.9	-22.6	33.6	30.3	3.33	10.088			
900.0	900.0	900.0	900.0	1.9	1.9	-137.78	-24.9	-22.6	33.6	29.8	3.78	8.889			
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-137.78	-24.9	-22.6	33.6	29.4	4.23	7.945			
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	-137.78	-24.9	-22.6	33.6	29.1	4.57	7.359 CC, ES			
1,100.0	1,100.0	1,099.7	1,099.7	2.3	2.3	139.38	-25.0	-22.7	33.9	29.2	4.67	7.254 SF			
1,175.0	1,174.9	1,173.5	1,173.5	2.5	2.5	141.49	-26.6	-23.5	37.9	32.9	4.95	7.644			
1,200.0	1,199.9	1,198.0	1,198.0	2.5	2.5	149.58	-27.4	-24.1	40.3	35.3	5.05	7.975			
1,300.0	1,299.3	1,294.5	1,294.3	2.8	2.7	168.26	-30.9	-29.8	56.6	51.1	5.47	10.353			
1,400.0	1,398.1	1,387.6	1,386.6	3.0	2.9	178.34	-33.9	-40.6	83.5	77.7	5.88	14.214			
1,500.0	1,495.6	1,475.8	1,473.4	3.3	3.2	-175.42	-36.4	-55.7	120.7	114.5	6.27	19.256			
1,604.7	1,596.1	1,561.6	1,557.1	3.7	3.4	-171.09	-38.6	-74.9	169.8	163.2	6.66	25.499			
1,700.0	1,686.8	1,634.7	1,627.4	4.2	3.7	-169.66	-40.3	-94.7	220.7	213.6	7.07	31.200			
1,800.0	1,782.0	1,707.4	1,696.4	4.7	4.1	-168.32	-41.8	-117.4	277.3	269.8	7.51	36.911			
1,900.0	1,877.1	1,776.0	1,760.6	5.2	4.4	-167.13	-43.0	-141.6	337.1	329.1	7.96	42.327			
2,000.0	1,972.2	1,840.8	1,820.2	5.7	4.8	-166.08	-44.0	-167.0	399.8	391.4	8.42	47.471			
2,100.0	2,067.3	1,904.2	1,877.5	6.3	5.3	-165.11	-44.8	-194.0	465.2	456.3	8.90	52.253			
2,200.0	2,162.5	1,978.7	1,944.5	6.9	5.9	-164.16	-45.7	-226.6	531.6	522.2	9.40	56.531			
2,300.0	2,257.6	2,053.2	2,011.6	7.5	6.5	-163.43	-46.6	-259.2	598.0	588.1	9.91	60.358			
2,400.0	2,352.7	2,127.8	2,078.6	8.0	7.1	-162.84	-47.4	-291.8	664.5	654.1	10.42	63.748			
2,500.0	2,447.8	2,202.3	2,145.6	8.6	7.7	-162.36	-48.3	-324.4	731.0	720.1	10.95	66.754			
2,600.0	2,542.9	2,276.8	2,212.6	9.2	8.4	-161.96	-49.2	-357.1	797.6	786.1	11.49	69.412			
2,700.0	2,638.1	2,351.4	2,279.6	9.9	9.0	-161.62	-50.1	-389.7	864.1	852.1	12.04	71.793			
2,800.0	2,733.2	2,425.9	2,346.7	10.5	9.7	-161.33	-51.0	-422.3	930.7	918.1	12.59	73.932			
2,900.0	2,828.3	2,500.5	2,413.7	11.1	10.4	-161.08	-51.9	-454.9	997.3	984.2	13.15	75.858			
3,000.0	2,923.4	2,575.0	2,480.7	11.7	11.1	-160.86	-52.7	-487.5	1,063.9	1,050.2	13.71	77.589			
3,100.0	3,018.6	2,649.5	2,547.7	12.3	11.7	-160.66	-53.6	-520.2	1,130.5	1,116.2	14.28	79.159			
3,200.0	3,113.7	2,724.1	2,614.7	12.9	12.4	-160.49	-54.5	-552.8	1,197.1	1,182.3	14.85	80.589			
3,300.0	3,208.8	2,798.6	2,681.7	13.5	13.1	-160.33	-55.4	-585.4	1,263.7	1,248.3	15.43	81.894			
3,400.0	3,303.9	2,873.2	2,748.8	14.1	13.8	-160.19	-56.3	-618.0	1,330.3	1,314.3	16.01	83.082			
3,500.0	3,399.1	2,947.7	2,815.8	14.8	14.5	-160.07	-57.2	-650.6	1,397.0	1,380.4	16.60	84.173			
3,600.0	3,494.2	3,022.2	2,882.8	15.4	15.2	-159.95	-58.0	-683.3	1,463.6	1,446.4	17.18	85.178			
3,700.0	3,589.3	3,096.8	2,949.8	16.0	15.9	-159.85	-58.9	-715.9	1,530.2	1,512.5	17.77	86.104			
3,800.0	3,684.4	3,171.3	3,016.8	16.6	16.6	-159.75	-59.8	-748.5	1,596.9	1,578.5	18.36	86.957			
3,900.0	3,779.6	3,245.9	3,083.8	17.2	17.3	-159.66	-60.7	-781.1	1,663.5	1,644.5	18.96	87.749			
4,000.0	3,874.7	3,320.4	3,150.9	17.9	18.0	-159.58	-61.6	-813.7	1,730.1	1,710.6	19.55	88.484			
4,100.0	3,969.8	3,394.9	3,217.9	18.5	18.7	-159.51	-62.4	-846.4	1,796.8	1,776.6	20.15	89.168			
4,200.0	4,064.9	3,469.5	3,284.9	19.1	19.4	-159.44	-63.3	-879.0	1,863.4	1,842.7	20.75	89.804			
4,300.0	4,160.1	3,544.0	3,351.9	19.7	20.1	-159.37	-64.2	-911.6	1,930.1	1,908.7	21.35	90.398			
4,400.0	4,255.2	3,618.6	3,418.9	20.4	20.8	-159.31	-65.1	-944.2	1,996.7	1,974.8	21.95	90.955			
4,471.2	4,322.9	3,671.6	3,466.6	20.8	21.3	-159.27	-65.7	-967.4	2,044.2	2,021.8	22.38	91.329			
4,500.0	4,350.4	3,693.2	3,486.1	21.0	21.5	-159.22	-66.0	-976.9	2,063.2	2,040.6	22.64	91.125			
4,600.0	4,446.7	3,770.2	3,555.3	21.4	22.2	-160.27	-66.9	-1,010.6	2,126.9	2,103.4	23.50	90.511			
4,700.0	4,544.2	3,850.2	3,627.2	21.8	23.0	-160.86	-67.8	-1,045.6	2,186.8	2,162.4	24.32	89.931			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Valley Farms G - Valley Farms G 22D-14-06-92 - Wellbore #1 - Design #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,800.0	4,642.8	3,932.9	3,701.5	22.1	23.7	-161.31	-68.8	-1,081.8	2,242.6	2,217.5	25.08	89.411		
4,900.0	4,742.2	4,018.1	3,778.2	22.3	24.5	-161.64	-69.8	-1,119.1	2,294.2	2,268.5	25.79	88.966		
5,000.0	4,842.0	4,105.6	3,856.8	22.5	25.4	-161.87	-70.9	-1,157.4	2,341.6	2,315.2	26.43	88.607		
5,070.1	4,912.0	4,168.1	3,913.0	22.6	26.0	-109.08	-71.6	-1,184.7	2,372.2	2,345.4	26.83	88.405		
5,100.0	4,941.9	4,195.0	3,937.2	22.6	26.2	-108.99	-71.9	-1,196.5	2,384.8	2,357.9	26.98	88.379		
5,200.0	5,041.9	4,284.9	4,018.1	22.7	27.1	-108.68	-73.0	-1,235.8	2,427.0	2,399.5	27.50	88.267		
5,300.0	5,141.9	4,374.8	4,098.9	22.8	27.9	-108.39	-74.1	-1,275.2	2,469.2	2,441.2	28.01	88.163		
5,400.0	5,241.9	5,558.7	5,241.9	22.9	32.6	-106.76	-80.6	-1,517.5	2,471.1	2,440.2	30.94	79.877		
5,500.0	5,341.9	5,658.7	5,341.9	23.0	32.7	-106.76	-80.6	-1,517.5	2,471.1	2,439.9	31.24	79.106		
5,600.0	5,441.9	5,758.7	5,441.9	23.1	32.8	-106.76	-80.6	-1,517.5	2,471.1	2,439.6	31.54	78.341		
5,700.0	5,541.9	5,858.7	5,541.9	23.3	32.9	-106.76	-80.6	-1,517.5	2,471.1	2,439.3	31.85	77.583		
5,800.0	5,641.9	5,958.7	5,641.9	23.4	32.9	-106.76	-80.6	-1,517.5	2,471.1	2,438.9	32.16	76.831		
5,900.0	5,741.9	6,058.7	5,741.9	23.5	33.0	-106.76	-80.6	-1,517.5	2,471.1	2,438.6	32.48	76.086		
6,000.0	5,841.9	6,158.7	5,841.9	23.6	33.1	-106.76	-80.6	-1,517.5	2,471.1	2,438.3	32.80	75.348		
6,100.0	5,941.9	6,258.7	5,941.9	23.7	33.2	-106.76	-80.6	-1,517.5	2,471.1	2,438.0	33.12	74.618		
6,200.0	6,041.9	6,358.7	6,041.9	23.8	33.3	-106.76	-80.6	-1,517.5	2,471.1	2,437.7	33.44	73.895		
6,300.0	6,141.9	6,458.7	6,141.9	24.0	33.4	-106.76	-80.6	-1,517.5	2,471.1	2,437.3	33.77	73.180		
6,400.0	6,241.9	6,558.7	6,241.9	24.1	33.4	-106.76	-80.6	-1,517.5	2,471.1	2,437.0	34.10	72.473		
6,500.0	6,341.9	6,658.7	6,341.9	24.2	33.5	-106.76	-80.6	-1,517.5	2,471.1	2,436.7	34.43	71.773		
6,600.0	6,441.9	6,758.7	6,441.9	24.3	33.6	-106.76	-80.6	-1,517.5	2,471.1	2,436.3	34.76	71.082		
6,700.0	6,541.9	6,858.7	6,541.9	24.5	33.7	-106.76	-80.6	-1,517.5	2,471.1	2,436.0	35.10	70.399		
6,800.0	6,641.9	6,958.7	6,641.9	24.6	33.8	-106.76	-80.6	-1,517.5	2,471.1	2,435.7	35.44	69.723		
6,900.0	6,741.9	7,058.7	6,741.9	24.7	33.9	-106.76	-80.6	-1,517.5	2,471.1	2,435.3	35.78	69.057		
7,000.0	6,841.9	7,158.7	6,841.9	24.9	34.0	-106.76	-80.6	-1,517.5	2,471.1	2,435.0	36.13	68.398		
7,100.0	6,941.9	7,258.7	6,941.9	25.0	34.1	-106.76	-80.6	-1,517.5	2,471.1	2,434.6	36.48	67.747		
7,200.0	7,041.9	7,358.7	7,041.9	25.1	34.2	-106.76	-80.6	-1,517.5	2,471.1	2,434.3	36.82	67.105		
7,300.0	7,141.9	7,458.7	7,141.9	25.3	34.3	-106.76	-80.6	-1,517.5	2,471.1	2,433.9	37.18	66.471		
7,400.0	7,241.9	7,558.7	7,241.9	25.4	34.4	-106.76	-80.6	-1,517.5	2,471.1	2,433.6	37.53	65.845		
7,500.0	7,341.9	7,658.7	7,341.9	25.5	34.5	-106.76	-80.6	-1,517.5	2,471.1	2,433.2	37.88	65.228		
7,555.1	7,397.0	7,713.7	7,397.0	25.6	34.6	-106.76	-80.6	-1,517.5	2,471.1	2,433.0	38.08	64.891		

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 23A-14-06-92 - Wellbore #1 - Design #1													Offset Well Error:	0.0 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-153.21	-44.9	-22.7	50.3					
100.0	100.0	100.0	100.0	0.1	0.1	-153.21	-44.9	-22.7	50.3	50.1	0.19	269.614		
200.0	200.0	200.0	200.0	0.3	0.3	-153.21	-44.9	-22.7	50.3	49.7	0.64	79.074		
300.0	300.0	300.0	300.0	0.5	0.5	-153.21	-44.9	-22.7	50.3	49.2	1.09	46.331		
400.0	400.0	400.0	400.0	0.8	0.8	-153.21	-44.9	-22.7	50.3	48.8	1.54	32.764		
500.0	500.0	500.0	500.0	1.0	1.0	-153.21	-44.9	-22.7	50.3	48.3	1.98	25.343		
600.0	600.0	600.0	600.0	1.2	1.2	-153.21	-44.9	-22.7	50.3	47.9	2.43	20.663		
700.0	700.0	700.0	700.0	1.4	1.4	-153.21	-44.9	-22.7	50.3	47.4	2.88	17.442		
800.0	800.0	800.0	800.0	1.7	1.7	-153.21	-44.9	-22.7	50.3	47.0	3.33	15.090		
900.0	900.0	900.0	900.0	1.9	1.9	-153.21	-44.9	-22.7	50.3	46.5	3.78	13.296		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-153.21	-44.9	-22.7	50.3	46.1	4.23	11.884		
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	-153.21	-44.9	-22.7	50.3	45.7	4.57	11.007 CC, ES		
1,100.0	1,100.0	1,099.5	1,099.5	2.3	2.3	124.12	-44.9	-22.9	50.5	45.9	4.67	10.812 SF		
1,175.0	1,174.9	1,172.6	1,172.6	2.5	2.5	128.62	-45.6	-25.5	54.2	49.2	4.97	10.904		
1,200.0	1,199.9	1,196.8	1,196.7	2.5	2.5	138.02	-46.1	-27.1	56.6	51.5	5.07	11.161		
1,300.0	1,299.3	1,291.7	1,291.0	2.8	2.7	160.59	-48.6	-36.5	73.8	68.3	5.49	13.444		
1,400.0	1,398.1	1,382.3	1,380.5	3.0	3.0	172.59	-52.2	-50.5	103.2	97.3	5.91	17.474		
1,500.0	1,495.6	1,467.4	1,463.6	3.3	3.2	179.61	-56.8	-67.9	143.7	137.4	6.30	22.823		
1,604.7	1,596.1	1,549.3	1,542.7	3.7	3.5	-175.82	-62.3	-88.6	196.8	190.1	6.68	29.457		
1,700.0	1,686.8	1,618.3	1,608.4	4.2	3.8	-174.36	-67.7	-109.0	251.3	244.2	7.08	35.508		
1,800.0	1,782.0	1,686.4	1,672.3	4.7	4.2	-173.21	-73.7	-131.8	311.9	304.4	7.50	41.590		
1,900.0	1,877.1	1,750.4	1,731.4	5.2	4.6	-172.29	-80.0	-155.5	375.6	367.6	7.92	47.397		
2,000.0	1,972.2	1,810.4	1,785.9	5.7	5.0	-171.55	-86.4	-179.7	442.1	433.7	8.35	52.932		
2,100.0	2,067.3	1,878.1	1,846.6	6.3	5.5	-170.83	-94.0	-208.7	510.6	501.8	8.80	58.042		
2,200.0	2,162.5	1,950.7	1,911.6	6.9	6.1	-170.24	-102.2	-239.9	579.4	570.1	9.26	62.569		
2,300.0	2,257.6	2,023.2	1,976.6	7.5	6.7	-169.77	-110.5	-271.1	648.1	638.4	9.71	66.714		
2,400.0	2,352.7	2,095.7	2,041.6	8.0	7.3	-169.39	-118.7	-302.2	716.9	706.7	10.18	70.403		
2,500.0	2,447.8	2,168.3	2,106.5	8.6	8.0	-169.07	-126.9	-333.4	785.6	775.0	10.66	73.689		
2,600.0	2,542.9	2,240.8	2,171.5	9.2	8.6	-168.81	-135.2	-364.6	854.4	843.3	11.15	76.658		
2,700.0	2,638.1	2,313.3	2,236.5	9.9	9.3	-168.59	-143.4	-395.7	923.2	911.6	11.64	79.344		
2,800.0	2,733.2	2,385.9	2,301.5	10.5	9.9	-168.39	-151.6	-426.9	992.0	979.9	12.13	81.767		
2,900.0	2,828.3	2,458.4	2,366.5	11.1	10.6	-168.23	-159.8	-458.1	1,060.8	1,048.2	12.63	83.964		
3,000.0	2,923.4	2,530.9	2,431.4	11.7	11.3	-168.08	-168.1	-489.2	1,129.6	1,116.5	13.14	85.969		
3,100.0	3,018.6	2,603.5	2,496.4	12.3	11.9	-167.95	-176.3	-520.4	1,198.4	1,184.8	13.65	87.804		
3,200.0	3,113.7	2,676.0	2,561.4	12.9	12.6	-167.83	-184.5	-551.6	1,267.2	1,253.1	14.16	89.475		
3,300.0	3,208.8	2,748.5	2,626.4	13.5	13.3	-167.73	-192.7	-582.7	1,336.1	1,321.4	14.68	91.012		
3,400.0	3,303.9	2,821.1	2,691.4	14.1	14.0	-167.63	-201.0	-613.9	1,404.9	1,389.7	15.20	92.429		
3,500.0	3,399.1	2,893.6	2,756.3	14.8	14.7	-167.55	-209.2	-645.1	1,473.7	1,458.0	15.72	93.736		
3,600.0	3,494.2	2,966.1	2,821.3	15.4	15.3	-167.47	-217.4	-676.2	1,542.5	1,526.3	16.25	94.942		
3,700.0	3,589.3	3,038.7	2,886.3	16.0	16.0	-167.40	-225.7	-707.4	1,611.3	1,594.6	16.77	96.061		
3,800.0	3,684.4	3,111.2	2,951.3	16.6	16.7	-167.33	-233.9	-738.5	1,680.2	1,662.9	17.30	97.102		
3,900.0	3,779.6	3,183.8	3,016.3	17.2	17.4	-167.27	-242.1	-769.7	1,749.0	1,731.2	17.83	98.069		
4,000.0	3,874.7	3,256.3	3,081.2	17.9	18.1	-167.22	-250.3	-800.9	1,817.8	1,799.4	18.37	98.970		
4,100.0	3,969.8	3,328.8	3,146.2	18.5	18.8	-167.17	-258.6	-832.0	1,886.6	1,867.7	18.90	99.813		
4,200.0	4,064.9	3,401.4	3,211.2	19.1	19.4	-167.12	-266.8	-863.2	1,955.5	1,936.0	19.44	100.603		
4,300.0	4,160.1	3,473.9	3,276.2	19.7	20.1	-167.07	-275.0	-894.4	2,024.3	2,004.3	19.98	101.341		
4,400.0	4,255.2	3,546.4	3,341.2	20.4	20.8	-167.03	-283.2	-925.5	2,093.1	2,072.6	20.51	102.035		
4,471.2	4,322.9	3,598.1	3,387.4	20.8	21.3	-167.00	-289.1	-947.7	2,142.1	2,121.2	20.90	102.505		
4,500.0	4,350.4	3,619.1	3,406.3	21.0	21.5	-167.17	-291.5	-956.8	2,161.8	2,140.7	21.14	102.260		
4,600.0	4,446.7	3,694.3	3,473.6	21.4	22.2	-167.68	-300.0	-989.1	2,227.7	2,205.7	21.94	101.540		
4,700.0	4,544.2	3,772.8	3,543.9	21.8	23.0	-168.07	-308.9	-1,022.8	2,289.6	2,266.9	22.70	100.876		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Valley Farms G - Valley Farms G 23A-14-06-92 - Wellbore #1 - Design #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,800.0	4,642.8	3,854.2	3,616.9	22.1	23.8	-168.38	-318.2	-1,057.8	2,347.4	2,324.0	23.41	100.285		
4,900.0	4,742.2	3,938.5	3,692.4	22.3	24.6	-168.60	-327.7	-1,094.0	2,401.0	2,376.9	24.06	99.773		
5,000.0	4,842.0	4,025.3	3,770.1	22.5	25.4	-168.76	-337.6	-1,131.3	2,450.2	2,425.5	24.66	99.344		
5,070.1	4,912.0	4,087.5	3,825.9	22.6	26.0	-115.95	-344.6	-1,158.0	2,481.9	2,456.9	25.05	99.090		
5,100.0	4,941.9	4,114.3	3,849.9	22.6	26.2	-115.89	-347.7	-1,169.6	2,495.0	2,469.9	25.19	99.046		
5,200.0	5,041.9	4,203.9	3,930.2	22.7	27.1	-115.70	-357.8	-1,208.1	2,538.8	2,513.1	25.68	98.856		
5,300.0	5,141.9	4,293.5	4,010.4	22.8	27.9	-115.51	-368.0	-1,246.5	2,582.6	2,556.5	26.17	98.672		
5,400.0	5,241.9	5,576.0	5,241.9	22.9	33.5	-114.34	-440.8	-1,522.3	2,602.3	2,572.9	29.40	88.519		
5,500.0	5,341.9	5,676.0	5,341.9	23.0	33.6	-114.34	-440.8	-1,522.3	2,602.3	2,572.6	29.71	87.579		
5,600.0	5,441.9	5,776.0	5,441.9	23.1	33.6	-114.34	-440.8	-1,522.3	2,602.3	2,572.3	30.03	86.649		
5,700.0	5,541.9	5,876.0	5,541.9	23.3	33.7	-114.34	-440.8	-1,522.3	2,602.3	2,572.0	30.35	85.730		
5,800.0	5,641.9	5,976.0	5,641.9	23.4	33.8	-114.34	-440.8	-1,522.3	2,602.3	2,571.6	30.68	84.821		
5,900.0	5,741.9	6,076.0	5,741.9	23.5	33.9	-114.34	-440.8	-1,522.3	2,602.3	2,571.3	31.01	83.923		
6,000.0	5,841.9	6,176.0	5,841.9	23.6	33.9	-114.34	-440.8	-1,522.3	2,602.3	2,571.0	31.34	83.035		
6,100.0	5,941.9	6,276.0	5,941.9	23.7	34.0	-114.34	-440.8	-1,522.3	2,602.3	2,570.6	31.67	82.159		
6,200.0	6,041.9	6,376.0	6,041.9	23.8	34.1	-114.34	-440.8	-1,522.3	2,602.3	2,570.3	32.01	81.295		
6,300.0	6,141.9	6,476.0	6,141.9	24.0	34.2	-114.34	-440.8	-1,522.3	2,602.3	2,570.0	32.35	80.441		
6,400.0	6,241.9	6,576.0	6,241.9	24.1	34.3	-114.34	-440.8	-1,522.3	2,602.3	2,569.6	32.69	79.599		
6,500.0	6,341.9	6,676.0	6,341.9	24.2	34.4	-114.34	-440.8	-1,522.3	2,602.3	2,569.3	33.04	78.768		
6,600.0	6,441.9	6,776.0	6,441.9	24.3	34.5	-114.34	-440.8	-1,522.3	2,602.3	2,568.9	33.38	77.949		
6,700.0	6,541.9	6,876.0	6,541.9	24.5	34.5	-114.34	-440.8	-1,522.3	2,602.3	2,568.6	33.73	77.141		
6,800.0	6,641.9	6,976.0	6,641.9	24.6	34.6	-114.34	-440.8	-1,522.3	2,602.3	2,568.2	34.09	76.345		
6,900.0	6,741.9	7,076.0	6,741.9	24.7	34.7	-114.34	-440.8	-1,522.3	2,602.3	2,567.9	34.44	75.560		
7,000.0	6,841.9	7,176.0	6,841.9	24.9	34.8	-114.34	-440.8	-1,522.3	2,602.3	2,567.5	34.80	74.786		
7,100.0	6,941.9	7,276.0	6,941.9	25.0	34.9	-114.34	-440.8	-1,522.3	2,602.3	2,567.2	35.16	74.023		
7,200.0	7,041.9	7,376.0	7,041.9	25.1	35.0	-114.34	-440.8	-1,522.3	2,602.3	2,566.8	35.52	73.272		
7,300.0	7,141.9	7,476.0	7,141.9	25.3	35.1	-114.34	-440.8	-1,522.3	2,602.3	2,566.4	35.88	72.532		
7,400.0	7,241.9	7,576.0	7,241.9	25.4	35.2	-114.34	-440.8	-1,522.3	2,602.3	2,566.1	36.24	71.803		
7,500.0	7,341.9	7,676.0	7,341.9	25.5	35.3	-114.34	-440.8	-1,522.3	2,602.3	2,565.7	36.61	71.084		
7,555.1	7,397.0	7,731.1	7,397.0	25.6	35.3	-114.34	-440.8	-1,522.3	2,602.3	2,565.5	36.81	70.693		

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design														Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 23B-14-06-92 - Wellbore #1 - Design #1														Offset Well Error:	0.0 usft
Survey Program: 0-MWD															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
0.0	0.0	0.0	0.0	0.0	0.0	-160.68	-64.9	-22.8	68.8						
100.0	100.0	100.0	100.0	0.1	0.1	-160.68	-64.9	-22.8	68.8	68.6	0.19	368.606			
200.0	200.0	200.0	200.0	0.3	0.3	-160.68	-64.9	-22.8	68.8	68.1	0.64	108.107			
300.0	300.0	300.0	300.0	0.5	0.5	-160.68	-64.9	-22.8	68.8	67.7	1.09	63.342			
400.0	400.0	400.0	400.0	0.8	0.8	-160.68	-64.9	-22.8	68.8	67.2	1.54	44.794			
500.0	500.0	500.0	500.0	1.0	1.0	-160.68	-64.9	-22.8	68.8	66.8	1.98	34.648			
600.0	600.0	600.0	600.0	1.2	1.2	-160.68	-64.9	-22.8	68.8	66.3	2.43	28.250			
700.0	700.0	700.0	700.0	1.4	1.4	-160.68	-64.9	-22.8	68.8	65.9	2.88	23.846			
800.0	800.0	800.0	800.0	1.7	1.7	-160.68	-64.9	-22.8	68.8	65.4	3.33	20.630			
900.0	900.0	900.0	900.0	1.9	1.9	-160.68	-64.9	-22.8	68.8	65.0	3.78	18.178			
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-160.68	-64.9	-22.8	68.8	64.5	4.23	16.248			
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	-160.68	-64.9	-22.8	68.8	64.2	4.57	15.049 CC			
1,100.0	1,100.0	1,100.0	1,100.0	2.3	2.3	116.46	-64.9	-22.8	68.9	64.2	4.68	14.716 ES			
1,175.0	1,174.9	1,172.9	1,172.9	2.5	2.5	119.19	-65.5	-24.0	71.2	66.2	4.98	14.297 SF			
1,200.0	1,199.9	1,197.1	1,197.1	2.5	2.5	127.88	-65.9	-25.0	73.0	67.9	5.09	14.355			
1,300.0	1,299.3	1,292.3	1,292.0	2.8	2.7	148.65	-69.0	-31.5	86.9	81.4	5.50	15.806			
1,400.0	1,398.1	1,384.1	1,383.1	3.0	2.9	160.62	-73.9	-41.8	112.1	106.2	5.91	18.984			
1,500.0	1,495.6	1,471.1	1,468.8	3.3	3.2	168.33	-80.3	-55.2	148.3	142.1	6.30	23.566			
1,604.7	1,596.1	1,555.9	1,551.6	3.7	3.4	173.61	-88.1	-71.7	197.0	190.4	6.68	29.519			
1,700.0	1,686.8	1,628.2	1,621.5	4.2	3.7	175.83	-96.0	-88.3	247.7	240.6	7.07	35.040			
1,800.0	1,782.0	1,700.0	1,690.2	4.7	4.0	177.50	-104.9	-107.2	304.1	296.7	7.48	40.656			
1,900.0	1,877.1	1,768.7	1,755.1	5.2	4.3	178.76	-114.5	-127.5	363.7	355.8	7.90	46.030			
2,000.0	1,972.2	1,833.5	1,815.6	5.7	4.7	179.74	-124.4	-148.5	426.0	417.7	8.32	51.222			
2,100.0	2,067.3	1,900.0	1,876.8	6.3	5.1	-179.41	-135.6	-172.0	490.9	482.2	8.74	56.159			
2,200.0	2,162.5	1,953.0	1,924.9	6.9	5.5	-178.83	-145.1	-192.1	558.2	549.0	9.15	61.002			
2,300.0	2,257.6	2,000.0	1,967.1	7.5	5.9	-178.36	-154.0	-210.9	627.7	618.2	9.54	65.804			
2,400.0	2,352.7	2,059.9	2,020.0	8.0	6.4	-177.82	-166.0	-236.2	699.1	689.1	9.97	70.098			
2,500.0	2,447.8	2,121.2	2,073.4	8.6	6.9	-177.34	-178.8	-263.3	772.0	761.6	10.41	74.163			
2,600.0	2,542.9	2,189.3	2,132.8	9.2	7.6	-176.89	-193.1	-293.5	845.1	834.3	10.85	77.925			
2,700.0	2,638.1	2,257.4	2,192.1	9.9	8.2	-176.52	-207.4	-323.6	918.2	907.0	11.29	81.324			
2,800.0	2,733.2	2,325.5	2,251.5	10.5	8.9	-176.20	-221.7	-353.8	991.4	979.6	11.74	84.452			
2,900.0	2,828.3	2,393.6	2,310.8	11.1	9.5	-175.92	-236.0	-384.0	1,064.5	1,052.3	12.19	87.315			
3,000.0	2,923.4	2,461.7	2,370.2	11.7	10.2	-175.68	-250.3	-414.2	1,137.7	1,125.0	12.65	89.915			
3,100.0	3,018.6	2,529.8	2,429.5	12.3	10.9	-175.46	-264.5	-444.3	1,210.9	1,197.7	13.12	92.320			
3,200.0	3,113.7	2,597.9	2,488.9	12.9	11.6	-175.27	-278.8	-474.5	1,284.0	1,270.5	13.58	94.542			
3,300.0	3,208.8	2,665.9	2,548.2	13.5	12.2	-175.11	-293.1	-504.7	1,357.2	1,343.2	14.05	96.572			
3,400.0	3,303.9	2,734.0	2,607.6	14.1	12.9	-174.95	-307.4	-534.9	1,430.4	1,415.9	14.53	98.459			
3,500.0	3,399.1	2,802.1	2,666.9	14.8	13.6	-174.82	-321.7	-565.1	1,503.6	1,488.6	15.00	100.215			
3,600.0	3,494.2	2,870.2	2,726.3	15.4	14.3	-174.69	-336.0	-595.2	1,576.8	1,561.3	15.48	101.831			
3,700.0	3,589.3	2,938.3	2,785.6	16.0	15.0	-174.58	-350.3	-625.4	1,650.0	1,634.0	15.97	103.340			
3,800.0	3,684.4	3,006.4	2,845.0	16.6	15.7	-174.48	-364.6	-655.6	1,723.2	1,706.7	16.45	104.751			
3,900.0	3,779.6	3,074.5	2,904.4	17.2	16.4	-174.38	-378.9	-685.8	1,796.4	1,779.4	16.94	106.060			
4,000.0	3,874.7	3,142.6	2,963.7	17.9	17.1	-174.30	-393.2	-715.9	1,869.6	1,852.2	17.43	107.286			
4,100.0	3,969.8	3,210.7	3,023.1	18.5	17.8	-174.21	-407.5	-746.1	1,942.8	1,924.9	17.92	108.438			
4,200.0	4,064.9	3,278.8	3,082.4	19.1	18.5	-174.14	-421.7	-776.3	2,016.0	1,997.6	18.41	109.515			
4,300.0	4,160.1	3,346.9	3,141.8	19.7	19.2	-174.07	-436.0	-806.5	2,089.2	2,070.3	18.90	110.526			
4,400.0	4,255.2	3,415.0	3,201.1	20.4	20.0	-174.01	-450.3	-836.6	2,162.4	2,143.0	19.40	111.480			
4,471.2	4,322.9	3,463.5	3,243.4	20.8	20.5	-173.96	-460.5	-858.1	2,214.5	2,194.8	19.75	112.123			
4,500.0	4,350.4	3,483.3	3,260.6	21.0	20.7	-174.04	-464.7	-866.9	2,235.5	2,215.5	19.98	111.903			
4,600.0	4,446.7	3,554.3	3,322.5	21.4	21.4	-174.27	-479.6	-898.4	2,305.8	2,285.1	20.72	111.280			
4,700.0	4,544.2	3,628.9	3,387.5	21.8	22.2	-174.45	-495.2	-931.4	2,372.4	2,351.0	21.43	110.717			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Valley Farms G - Valley Farms G 23B-14-06-92 - Wellbore #1 - Design #1													Offset Site Error: 0.0 usft	
Survey Program: 0-MWD													Offset Well Error: 0.0 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,800.0	4,642.8	3,706.8	3,455.4	22.1	23.0	-174.58	-511.6	-965.9	2,435.0	2,412.9	22.09	110.215		
4,900.0	4,742.2	3,787.9	3,526.0	22.3	23.8	-174.68	-528.6	-1,001.9	2,493.4	2,470.7	22.71	109.775		
5,000.0	4,842.0	3,871.8	3,599.2	22.5	24.7	-174.74	-546.2	-1,039.1	2,547.5	2,524.3	23.29	109.397		
5,070.1	4,912.0	3,932.3	3,651.9	22.6	25.3	-121.88	-558.9	-1,065.8	2,582.8	2,559.2	23.66	109.164		
5,100.0	4,941.9	3,958.3	3,674.6	22.6	25.6	-121.84	-564.3	-1,077.4	2,597.4	2,573.6	23.80	109.133		
5,200.0	5,041.9	4,045.5	3,750.6	22.7	26.5	-121.72	-582.6	-1,116.0	2,646.2	2,622.0	24.28	108.971		
5,300.0	5,141.9	4,132.7	3,826.6	22.8	27.4	-121.61	-600.9	-1,154.6	2,695.0	2,670.3	24.77	108.808		
5,400.0	5,241.9	4,219.8	3,902.5	22.9	28.4	-121.50	-619.2	-1,193.3	2,743.9	2,718.6	25.26	108.643		
5,500.0	5,341.9	5,729.8	5,341.9	23.0	35.2	-120.71	-770.5	-1,512.6	2,746.3	2,717.3	29.05	94.541		
5,600.0	5,441.9	5,829.8	5,441.9	23.1	35.3	-120.71	-770.5	-1,512.6	2,746.3	2,716.9	29.37	93.497		
5,700.0	5,541.9	5,929.8	5,541.9	23.3	35.4	-120.71	-770.5	-1,512.6	2,746.3	2,716.6	29.70	92.465		
5,800.0	5,641.9	6,029.8	5,641.9	23.4	35.4	-120.71	-770.5	-1,512.6	2,746.3	2,716.3	30.03	91.447		
5,900.0	5,741.9	6,129.8	5,741.9	23.5	35.5	-120.71	-770.5	-1,512.6	2,746.3	2,716.0	30.37	90.442		
6,000.0	5,841.9	6,229.8	5,841.9	23.6	35.6	-120.71	-770.5	-1,512.6	2,746.3	2,715.6	30.70	89.451		
6,100.0	5,941.9	6,329.8	5,941.9	23.7	35.7	-120.71	-770.5	-1,512.6	2,746.3	2,715.3	31.04	88.473		
6,200.0	6,041.9	6,429.8	6,041.9	23.8	35.7	-120.71	-770.5	-1,512.6	2,746.3	2,714.9	31.38	87.508		
6,300.0	6,141.9	6,529.8	6,141.9	24.0	35.8	-120.71	-770.5	-1,512.6	2,746.3	2,714.6	31.73	86.558		
6,400.0	6,241.9	6,629.8	6,241.9	24.1	35.9	-120.71	-770.5	-1,512.6	2,746.3	2,714.2	32.08	85.621		
6,500.0	6,341.9	6,729.8	6,341.9	24.2	36.0	-120.71	-770.5	-1,512.6	2,746.3	2,713.9	32.43	84.697		
6,600.0	6,441.9	6,829.8	6,441.9	24.3	36.1	-120.71	-770.5	-1,512.6	2,746.3	2,713.5	32.78	83.787		
6,700.0	6,541.9	6,929.8	6,541.9	24.5	36.1	-120.71	-770.5	-1,512.6	2,746.3	2,713.2	33.13	82.891		
6,800.0	6,641.9	7,029.8	6,641.9	24.6	36.2	-120.71	-770.5	-1,512.6	2,746.3	2,712.8	33.49	82.008		
6,900.0	6,741.9	7,129.8	6,741.9	24.7	36.3	-120.71	-770.5	-1,512.6	2,746.3	2,712.5	33.85	81.139		
7,000.0	6,841.9	7,229.8	6,841.9	24.9	36.4	-120.71	-770.5	-1,512.6	2,746.3	2,712.1	34.21	80.283		
7,100.0	6,941.9	7,329.8	6,941.9	25.0	36.5	-120.71	-770.5	-1,512.6	2,746.3	2,711.7	34.57	79.440		
7,200.0	7,041.9	7,429.8	7,041.9	25.1	36.6	-120.71	-770.5	-1,512.6	2,746.3	2,711.4	34.94	78.610		
7,300.0	7,141.9	7,529.8	7,141.9	25.3	36.7	-120.71	-770.5	-1,512.6	2,746.3	2,711.0	35.30	77.794		
7,400.0	7,241.9	7,629.8	7,241.9	25.4	36.8	-120.71	-770.5	-1,512.6	2,746.3	2,710.6	35.67	76.990		
7,500.0	7,341.9	7,729.8	7,341.9	25.5	36.8	-120.71	-770.5	-1,512.6	2,746.3	2,710.3	36.04	76.198		
7,555.1	7,397.0	7,784.9	7,397.0	25.6	36.9	-120.71	-770.5	-1,512.6	2,746.3	2,710.1	36.25	75.768		

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 23C-14-06-92 - Wellbore #1 - Design #1													Offset Well Error:	0.0 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-164.94	-84.9	-22.8	87.9					
100.0	100.0	100.0	100.0	0.1	0.1	-164.94	-84.9	-22.8	87.9	87.7	0.19	471.193		
200.0	200.0	200.0	200.0	0.3	0.3	-164.94	-84.9	-22.8	87.9	87.3	0.64	138.194		
300.0	300.0	300.0	300.0	0.5	0.5	-164.94	-84.9	-22.8	87.9	86.8	1.09	80.971		
400.0	400.0	400.0	400.0	0.8	0.8	-164.94	-84.9	-22.8	87.9	86.4	1.54	57.261		
500.0	500.0	500.0	500.0	1.0	1.0	-164.94	-84.9	-22.8	87.9	85.9	1.98	44.291		
600.0	600.0	600.0	600.0	1.2	1.2	-164.94	-84.9	-22.8	87.9	85.5	2.43	36.112		
700.0	700.0	700.0	700.0	1.4	1.4	-164.94	-84.9	-22.8	87.9	85.0	2.88	30.483		
800.0	800.0	800.0	800.0	1.7	1.7	-164.94	-84.9	-22.8	87.9	84.6	3.33	26.372		
900.0	900.0	900.0	900.0	1.9	1.9	-164.94	-84.9	-22.8	87.9	84.1	3.78	23.238		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-164.94	-84.9	-22.8	87.9	83.7	4.23	20.770		
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	-164.94	-84.9	-22.8	87.9	83.3	4.57	19.237 CC		
1,100.0	1,100.0	1,100.0	1,100.0	2.3	2.3	112.17	-84.9	-22.8	88.0	83.3	4.68	18.803 ES		
1,175.0	1,174.9	1,172.3	1,172.2	2.5	2.5	114.49	-85.6	-24.3	90.2	85.2	4.98	18.110		
1,200.0	1,199.9	1,196.2	1,196.1	2.5	2.5	122.99	-86.1	-25.4	91.9	86.8	5.08	18.077 SF		
1,300.0	1,299.3	1,289.7	1,289.2	2.8	2.7	143.05	-89.9	-32.6	105.8	100.3	5.50	19.253		
1,400.0	1,398.1	1,379.2	1,377.9	3.0	2.9	154.70	-96.4	-43.5	131.9	125.9	5.91	22.305		
1,500.0	1,495.6	1,463.4	1,460.4	3.3	3.2	162.41	-105.0	-57.4	169.7	163.4	6.31	26.892		
1,604.7	1,596.1	1,544.4	1,539.0	3.7	3.4	167.79	-115.6	-74.1	220.7	214.0	6.70	32.963		
1,700.0	1,686.8	1,612.7	1,604.4	4.2	3.7	170.26	-126.2	-90.6	274.0	266.9	7.09	38.663		
1,800.0	1,782.0	1,680.2	1,668.2	4.7	4.0	172.09	-138.2	-109.1	333.5	326.0	7.50	44.488		
1,900.0	1,877.1	1,743.6	1,727.2	5.2	4.4	173.42	-150.9	-128.4	396.3	388.4	7.91	50.136		
2,000.0	1,972.2	1,800.0	1,779.0	5.7	4.7	174.39	-163.3	-147.2	462.2	453.9	8.30	55.685		
2,100.0	2,067.3	1,858.8	1,832.0	6.3	5.1	175.22	-177.3	-168.2	530.7	522.0	8.71	60.930		
2,200.0	2,162.5	1,911.0	1,878.4	6.9	5.5	175.84	-190.6	-188.3	601.6	592.5	9.11	66.031		
2,300.0	2,257.6	1,967.3	1,927.4	7.5	6.0	176.42	-205.9	-211.2	674.8	665.3	9.53	70.843		
2,400.0	2,352.7	2,023.6	1,976.0	8.0	6.5	176.91	-221.7	-234.8	749.2	739.2	9.94	75.374		
2,500.0	2,447.8	2,090.2	2,033.5	8.6	7.1	177.39	-240.4	-262.7	823.6	813.3	10.35	79.545		
2,600.0	2,542.9	2,156.7	2,091.0	9.2	7.8	177.80	-259.0	-290.7	898.2	887.4	10.78	83.300		
2,700.0	2,638.1	2,223.3	2,148.5	9.9	8.4	178.14	-277.7	-318.6	972.7	961.5	11.21	86.762		
2,800.0	2,733.2	2,289.9	2,206.0	10.5	9.1	178.43	-296.4	-346.5	1,047.2	1,035.6	11.65	89.921		
2,900.0	2,828.3	2,356.5	2,263.4	11.1	9.8	178.68	-315.1	-374.5	1,121.7	1,109.7	12.09	92.792		
3,000.0	2,923.4	2,423.1	2,320.9	11.7	10.4	178.91	-333.7	-402.4	1,196.3	1,183.8	12.53	95.449		
3,100.0	3,018.6	2,489.6	2,378.4	12.3	11.1	179.10	-352.4	-430.3	1,270.9	1,257.9	12.98	97.892		
3,200.0	3,113.7	2,556.2	2,435.9	12.9	11.8	179.28	-371.1	-458.3	1,345.4	1,332.0	13.44	100.130		
3,300.0	3,208.8	2,622.8	2,493.4	13.5	12.5	179.43	-389.8	-486.2	1,420.0	1,406.1	13.89	102.211		
3,400.0	3,303.9	2,689.4	2,550.8	14.1	13.2	179.58	-408.5	-514.1	1,494.6	1,480.2	14.35	104.135		
3,500.0	3,399.1	2,756.0	2,608.3	14.8	13.9	179.70	-427.1	-542.1	1,569.1	1,554.3	14.82	105.911		
3,600.0	3,494.2	2,822.6	2,665.8	15.4	14.5	179.82	-445.8	-570.0	1,643.7	1,628.4	15.28	107.570		
3,700.0	3,589.3	2,889.1	2,723.3	16.0	15.2	179.93	-464.5	-597.9	1,718.3	1,702.6	15.75	109.113		
3,800.0	3,684.4	2,955.7	2,780.8	16.6	15.9	-179.98	-483.2	-625.9	1,792.9	1,776.7	16.22	110.546		
3,900.0	3,779.6	3,022.3	2,838.2	17.2	16.6	-179.89	-501.8	-653.8	1,867.5	1,850.8	16.69	111.890		
4,000.0	3,874.7	3,088.9	2,895.7	17.9	17.3	-179.81	-520.5	-681.7	1,942.1	1,924.9	17.16	113.147		
4,100.0	3,969.8	3,155.5	2,953.2	18.5	18.0	-179.73	-539.2	-709.6	2,016.7	1,999.0	17.64	114.321		
4,200.0	4,064.9	3,222.0	3,010.7	19.1	18.7	-179.66	-557.9	-737.6	2,091.2	2,073.1	18.12	115.426		
4,300.0	4,160.1	3,288.6	3,068.2	19.7	19.4	-179.59	-576.5	-765.5	2,165.8	2,147.2	18.60	116.465		
4,400.0	4,255.2	3,355.2	3,125.6	20.4	20.1	-179.53	-595.2	-793.4	2,240.4	2,221.4	19.08	117.439		
4,471.2	4,322.9	3,402.6	3,166.6	20.8	20.6	-179.49	-608.5	-813.3	2,293.5	2,274.1	19.42	118.103		
4,500.0	4,350.4	3,421.9	3,183.3	21.0	20.8	-179.48	-613.9	-821.4	2,314.9	2,295.2	19.64	117.861		
4,600.0	4,446.7	3,491.5	3,243.3	21.4	21.6	-179.45	-633.5	-850.6	2,386.7	2,366.3	20.37	117.193		
4,700.0	4,544.2	3,564.8	3,306.6	21.8	22.3	-179.43	-654.0	-881.4	2,454.7	2,433.6	21.06	116.580		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Valley Farms G - Valley Farms G 23C-14-06-92 - Wellbore #1 - Design #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,800.0	4,642.8	3,641.5	3,372.8	22.1	23.1	-179.40	-675.5	-913.6	2,518.8	2,497.1	21.71	116.026		
4,900.0	4,742.2	3,721.5	3,441.8	22.3	24.0	-179.37	-698.0	-947.1	2,578.8	2,556.5	22.32	115.529		
5,000.0	4,842.0	3,804.4	3,513.5	22.5	24.9	-179.34	-721.2	-981.9	2,634.6	2,611.7	22.89	115.088		
5,070.1	4,912.0	3,864.3	3,565.1	22.6	25.5	-126.44	-738.0	-1,007.0	2,671.0	2,647.7	23.27	114.805		
5,100.0	4,941.9	3,890.1	3,587.4	22.6	25.8	-126.42	-745.3	-1,017.9	2,686.1	2,662.7	23.40	114.768		
5,200.0	5,041.9	3,976.4	3,662.0	22.7	26.7	-126.37	-769.5	-1,054.1	2,736.5	2,712.6	23.88	114.574		
5,300.0	5,141.9	4,062.8	3,736.5	22.8	27.6	-126.33	-793.7	-1,090.3	2,786.9	2,762.6	24.37	114.376		
5,400.0	5,241.9	4,149.1	3,811.0	22.9	28.5	-126.28	-817.9	-1,126.5	2,837.4	2,812.5	24.85	114.177		
5,500.0	5,341.9	4,235.4	3,885.6	23.0	29.4	-126.24	-842.1	-1,162.7	2,887.8	2,862.5	25.34	113.975		
5,600.0	5,441.9	5,882.2	5,441.9	23.1	37.5	-125.89	-1,070.3	-1,503.9	2,903.7	2,874.2	29.53	98.316		
5,700.0	5,541.9	5,982.2	5,541.9	23.3	37.6	-125.89	-1,070.3	-1,503.9	2,903.7	2,873.9	29.86	97.249		
5,800.0	5,641.9	6,082.2	5,641.9	23.4	37.7	-125.89	-1,070.3	-1,503.9	2,903.7	2,873.6	30.19	96.194		
5,900.0	5,741.9	6,182.2	5,741.9	23.5	37.7	-125.89	-1,070.3	-1,503.9	2,903.7	2,873.2	30.52	95.153		
6,000.0	5,841.9	6,282.2	5,841.9	23.6	37.8	-125.89	-1,070.3	-1,503.9	2,903.7	2,872.9	30.85	94.125		
6,100.0	5,941.9	6,382.2	5,941.9	23.7	37.9	-125.89	-1,070.3	-1,503.9	2,903.7	2,872.6	31.19	93.110		
6,200.0	6,041.9	6,482.2	6,041.9	23.8	37.9	-125.89	-1,070.3	-1,503.9	2,903.7	2,872.2	31.52	92.110		
6,300.0	6,141.9	6,582.2	6,141.9	24.0	38.0	-125.89	-1,070.3	-1,503.9	2,903.7	2,871.9	31.87	91.123		
6,400.0	6,241.9	6,682.2	6,241.9	24.1	38.1	-125.89	-1,070.3	-1,503.9	2,903.7	2,871.5	32.21	90.149		
6,500.0	6,341.9	6,782.2	6,341.9	24.2	38.2	-125.89	-1,070.3	-1,503.9	2,903.7	2,871.2	32.56	89.190		
6,600.0	6,441.9	6,882.2	6,441.9	24.3	38.2	-125.89	-1,070.3	-1,503.9	2,903.7	2,870.8	32.91	88.244		
6,700.0	6,541.9	6,982.2	6,541.9	24.5	38.3	-125.89	-1,070.3	-1,503.9	2,903.7	2,870.5	33.26	87.312		
6,800.0	6,641.9	7,082.2	6,641.9	24.6	38.4	-125.89	-1,070.3	-1,503.9	2,903.7	2,870.1	33.61	86.393		
6,900.0	6,741.9	7,182.2	6,741.9	24.7	38.5	-125.89	-1,070.3	-1,503.9	2,903.7	2,869.8	33.97	85.489		
7,000.0	6,841.9	7,282.2	6,841.9	24.9	38.5	-125.89	-1,070.3	-1,503.9	2,903.7	2,869.4	34.32	84.597		
7,100.0	6,941.9	7,382.2	6,941.9	25.0	38.6	-125.89	-1,070.3	-1,503.9	2,903.7	2,869.1	34.68	83.719		
7,200.0	7,041.9	7,482.2	7,041.9	25.1	38.7	-125.89	-1,070.3	-1,503.9	2,903.7	2,868.7	35.05	82.855		
7,300.0	7,141.9	7,582.2	7,141.9	25.3	38.8	-125.89	-1,070.3	-1,503.9	2,903.7	2,868.3	35.41	82.003		
7,400.0	7,241.9	7,682.2	7,241.9	25.4	38.9	-125.89	-1,070.3	-1,503.9	2,903.7	2,868.0	35.78	81.164		
7,500.0	7,341.9	7,782.2	7,341.9	25.5	39.0	-125.89	-1,070.3	-1,503.9	2,903.7	2,867.6	36.14	80.339		
7,555.1	7,397.0	7,837.2	7,397.0	25.6	39.0	-125.89	-1,070.3	-1,503.9	2,903.7	2,867.4	36.35	79.889		

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design														Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 23D-14-06-92 - Wellbore #1 - Design #1														Offset Well Error:	0.0 usft
Survey Program: 0-MWD															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
0.0	0.0	0.0	0.0	0.0	0.0	-167.68	-104.9	-22.9	107.4						
100.0	100.0	100.0	100.0	0.1	0.1	-167.68	-104.9	-22.9	107.4	107.2	0.19	575.458			
200.0	200.0	200.0	200.0	0.3	0.3	-167.68	-104.9	-22.9	107.4	106.7	0.64	168.774			
300.0	300.0	300.0	300.0	0.5	0.5	-167.68	-104.9	-22.9	107.4	106.3	1.09	98.888			
400.0	400.0	400.0	400.0	0.8	0.8	-167.68	-104.9	-22.9	107.4	105.8	1.54	69.931			
500.0	500.0	500.0	500.0	1.0	1.0	-167.68	-104.9	-22.9	107.4	105.4	1.98	54.092			
600.0	600.0	600.0	600.0	1.2	1.2	-167.68	-104.9	-22.9	107.4	104.9	2.43	44.103			
700.0	700.0	700.0	700.0	1.4	1.4	-167.68	-104.9	-22.9	107.4	104.5	2.88	37.228			
800.0	800.0	800.0	800.0	1.7	1.7	-167.68	-104.9	-22.9	107.4	104.0	3.33	32.207			
900.0	900.0	900.0	900.0	1.9	1.9	-167.68	-104.9	-22.9	107.4	103.6	3.78	28.380			
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-167.68	-104.9	-22.9	107.4	103.1	4.23	25.365			
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	-167.68	-104.9	-22.9	107.4	102.8	4.57	23.494 CC, ES			
1,100.0	1,100.0	1,099.4	1,099.4	2.3	2.3	109.50	-104.9	-23.1	107.5	102.8	4.67	23.000			
1,175.0	1,174.9	1,172.2	1,172.2	2.5	2.5	112.11	-105.4	-25.8	109.6	104.7	4.97	22.063			
1,200.0	1,199.9	1,195.7	1,195.6	2.5	2.5	120.58	-105.7	-27.3	111.2	106.1	5.07	21.928 SF			
1,300.0	1,299.3	1,287.7	1,287.1	2.8	2.7	140.22	-109.3	-35.4	124.8	119.3	5.48	22.774			
1,400.0	1,398.1	1,375.9	1,374.3	3.0	2.9	151.38	-116.2	-46.7	150.7	144.8	5.90	25.551			
1,500.0	1,495.6	1,458.7	1,455.5	3.3	3.1	158.78	-125.7	-60.2	188.6	182.3	6.30	29.911			
1,604.7	1,596.1	1,538.6	1,532.8	3.7	3.4	163.97	-137.6	-76.0	239.7	233.0	6.70	35.780			
1,700.0	1,686.8	1,600.0	1,591.6	4.2	3.6	166.24	-148.6	-90.0	293.1	286.0	7.08	41.405			
1,800.0	1,782.0	1,672.4	1,660.1	4.7	4.0	168.22	-163.5	-108.4	352.7	345.2	7.51	46.983			
1,900.0	1,877.1	1,735.0	1,718.3	5.2	4.3	169.50	-178.2	-126.0	415.7	407.8	7.92	52.500			
2,000.0	1,972.2	1,800.0	1,777.8	5.7	4.7	170.52	-195.0	-145.9	481.7	473.3	8.33	57.792			
2,100.0	2,067.3	1,848.9	1,821.9	6.3	5.1	171.14	-208.8	-162.0	550.2	541.5	8.73	63.054			
2,200.0	2,162.5	1,900.0	1,867.3	6.9	5.5	171.68	-224.3	-179.7	621.2	612.1	9.13	68.063			
2,300.0	2,257.6	1,949.2	1,910.2	7.5	5.9	172.11	-240.1	-197.8	694.3	684.8	9.53	72.861			
2,400.0	2,352.7	2,000.0	1,953.8	8.0	6.3	172.48	-257.4	-217.3	769.4	759.5	9.93	77.476			
2,500.0	2,447.8	2,037.6	1,985.5	8.6	6.7	172.71	-270.8	-232.4	846.3	835.9	10.32	82.009			
2,600.0	2,542.9	2,093.0	2,031.7	9.2	7.3	173.01	-291.2	-255.2	924.4	913.6	10.73	86.127			
2,700.0	2,638.1	2,155.2	2,083.5	9.9	7.9	173.30	-314.1	-280.8	1,002.6	991.4	11.16	89.865			
2,800.0	2,733.2	2,217.5	2,135.4	10.5	8.6	173.54	-337.1	-306.5	1,080.8	1,069.2	11.57	93.385			
2,900.0	2,828.3	2,279.7	2,187.2	11.1	9.2	173.75	-360.1	-332.2	1,159.0	1,147.0	12.00	96.583			
3,000.0	2,923.4	2,342.0	2,239.1	11.7	9.9	173.94	-383.0	-357.8	1,237.3	1,224.8	12.43	99.525			
3,100.0	3,018.6	2,404.2	2,291.0	12.3	10.6	174.10	-406.0	-383.5	1,315.5	1,302.6	12.86	102.269			
3,200.0	3,113.7	2,466.4	2,342.8	12.9	11.2	174.24	-428.9	-409.1	1,393.7	1,380.4	13.30	104.760			
3,300.0	3,208.8	2,528.7	2,394.7	13.5	11.9	174.37	-451.9	-434.8	1,472.0	1,458.2	13.75	107.087			
3,400.0	3,303.9	2,590.9	2,446.5	14.1	12.6	174.49	-474.9	-460.4	1,550.2	1,536.0	14.19	109.250			
3,500.0	3,399.1	2,653.2	2,498.4	14.8	13.3	174.59	-497.8	-486.1	1,628.5	1,613.8	14.64	111.239			
3,600.0	3,494.2	2,715.4	2,550.2	15.4	14.0	174.69	-520.8	-511.7	1,706.7	1,691.6	15.09	113.107			
3,700.0	3,589.3	2,777.7	2,602.1	16.0	14.7	174.78	-543.7	-537.4	1,785.0	1,769.4	15.54	114.838			
3,800.0	3,684.4	2,839.9	2,654.0	16.6	15.4	174.86	-566.7	-563.1	1,863.2	1,847.2	16.00	116.453			
3,900.0	3,779.6	2,902.2	2,705.8	17.2	16.1	174.93	-589.6	-588.7	1,941.5	1,925.0	16.46	117.974			
4,000.0	3,874.7	2,964.4	2,757.7	17.9	16.8	175.00	-612.6	-614.4	2,019.7	2,002.8	16.92	119.382			
4,100.0	3,969.8	3,026.6	2,809.5	18.5	17.5	175.06	-635.6	-640.0	2,098.0	2,080.6	17.38	120.710			
4,200.0	4,064.9	3,088.9	2,861.4	19.1	18.2	175.12	-658.5	-665.7	2,176.2	2,158.4	17.84	121.959			
4,300.0	4,160.1	3,151.1	2,913.2	19.7	18.9	175.17	-681.5	-691.3	2,254.5	2,236.2	18.31	123.126			
4,400.0	4,255.2	3,213.4	2,965.1	20.4	19.6	175.22	-704.4	-717.0	2,332.7	2,313.9	18.78	124.232			
4,471.2	4,322.9	3,257.7	3,002.0	20.8	20.1	175.25	-720.8	-735.3	2,388.4	2,369.3	19.11	124.975			
4,500.0	4,350.4	3,275.8	3,017.1	21.0	20.3	175.35	-727.5	-742.7	2,410.8	2,391.5	19.32	124.784			
4,600.0	4,446.7	3,341.2	3,071.6	21.4	21.1	175.66	-751.6	-769.7	2,486.5	2,466.5	20.01	124.262			
4,700.0	4,544.2	3,410.5	3,129.3	21.8	21.9	175.91	-777.1	-798.2	2,558.6	2,537.9	20.67	123.754			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Valley Farms G - Valley Farms G 23D-14-06-92 - Wellbore #1 - Design #1		Offset Site Error:		0.0 usft
Survey Program: 0-MWD													Offset Well Error:		0.0 usft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
4,800.0	4,642.8	3,483.4	3,190.1	22.1	22.7	176.11	-804.0	-828.3	2,627.0	2,605.7	21.31	123.268					
4,900.0	4,742.2	3,559.8	3,253.7	22.3	23.6	176.27	-832.2	-859.8	2,691.5	2,669.5	21.91	122.814					
5,000.0	4,842.0	3,639.5	3,320.1	22.5	24.5	176.40	-861.6	-892.6	2,751.9	2,729.4	22.48	122.398					
5,070.1	4,912.0	3,697.1	3,368.1	22.6	25.1	-130.64	-882.9	-916.4	2,791.7	2,768.8	22.86	122.126					
5,100.0	4,941.9	3,722.1	3,388.9	22.6	25.4	-130.64	-892.1	-926.7	2,808.2	2,785.2	23.00	122.111					
5,200.0	5,041.9	3,805.4	3,458.3	22.7	26.4	-130.67	-922.8	-961.0	2,863.5	2,840.1	23.47	121.988					
5,300.0	5,141.9	3,888.7	3,527.7	22.8	27.3	-130.69	-953.5	-995.4	2,918.8	2,894.9	23.95	121.855					
5,400.0	5,241.9	3,972.0	3,597.1	22.9	28.3	-130.71	-984.3	-1,029.7	2,974.1	2,949.7	24.44	121.716					
5,500.0	5,341.9	4,055.3	3,666.5	23.0	29.2	-130.73	-1,015.0	-1,064.0	3,029.4	3,004.5	24.92	121.571					
5,600.0	5,441.9	4,138.6	3,735.9	23.1	30.2	-130.75	-1,045.7	-1,098.4	3,084.7	3,059.3	25.41	121.423					
5,700.0	5,541.9	6,076.5	5,541.9	23.3	40.5	-130.93	-1,399.9	-1,494.2	3,101.2	3,070.8	30.44	101.893					
5,800.0	5,641.9	6,176.5	5,641.9	23.4	40.6	-130.93	-1,399.9	-1,494.2	3,101.2	3,070.4	30.76	100.834					
5,900.0	5,741.9	6,276.5	5,741.9	23.5	40.6	-130.93	-1,399.9	-1,494.2	3,101.2	3,070.1	31.08	99.787					
6,000.0	5,841.9	6,376.5	5,841.9	23.6	40.7	-130.93	-1,399.9	-1,494.2	3,101.2	3,069.8	31.40	98.752					
6,100.0	5,941.9	6,476.5	5,941.9	23.7	40.7	-130.93	-1,399.9	-1,494.2	3,101.2	3,069.5	31.73	97.730					
6,200.0	6,041.9	6,576.5	6,041.9	23.8	40.8	-130.93	-1,399.9	-1,494.2	3,101.2	3,069.1	32.06	96.719					
6,300.0	6,141.9	6,676.5	6,141.9	24.0	40.9	-130.93	-1,399.9	-1,494.2	3,101.2	3,068.8	32.40	95.722					
6,400.0	6,241.9	6,776.5	6,241.9	24.1	40.9	-130.93	-1,399.9	-1,494.2	3,101.2	3,068.5	32.73	94.737					
6,500.0	6,341.9	6,876.5	6,341.9	24.2	41.0	-130.93	-1,399.9	-1,494.2	3,101.2	3,068.1	33.07	93.765					
6,600.0	6,441.9	6,976.5	6,441.9	24.3	41.1	-130.93	-1,399.9	-1,494.2	3,101.2	3,067.8	33.42	92.805					
6,700.0	6,541.9	7,076.5	6,541.9	24.5	41.1	-130.93	-1,399.9	-1,494.2	3,101.2	3,067.4	33.76	91.859					
6,800.0	6,641.9	7,176.5	6,641.9	24.6	41.2	-130.93	-1,399.9	-1,494.2	3,101.2	3,067.1	34.11	90.925					
6,900.0	6,741.9	7,276.5	6,741.9	24.7	41.3	-130.93	-1,399.9	-1,494.2	3,101.2	3,066.7	34.46	90.004					
7,000.0	6,841.9	7,376.5	6,841.9	24.9	41.4	-130.93	-1,399.9	-1,494.2	3,101.2	3,066.4	34.81	89.096					
7,100.0	6,941.9	7,476.5	6,941.9	25.0	41.4	-130.93	-1,399.9	-1,494.2	3,101.2	3,066.0	35.16	88.201					
7,200.0	7,041.9	7,576.5	7,041.9	25.1	41.5	-130.93	-1,399.9	-1,494.2	3,101.2	3,065.7	35.52	87.318					
7,300.0	7,141.9	7,676.5	7,141.9	25.3	41.6	-130.93	-1,399.9	-1,494.2	3,101.2	3,065.3	35.87	86.448					
7,400.0	7,241.9	7,776.5	7,241.9	25.4	41.7	-130.93	-1,399.9	-1,494.2	3,101.2	3,065.0	36.23	85.591					
7,500.0	7,341.9	7,876.5	7,341.9	25.5	41.7	-130.93	-1,399.9	-1,494.2	3,101.2	3,064.6	36.59	84.745					
7,555.1	7,397.0	7,931.5	7,397.0	25.6	41.8	-130.93	-1,399.9	-1,494.2	3,101.2	3,064.4	36.79	84.285					

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Valley Farms G - Valley Farms G 24A-14-06-92 - Wellbore #1 - Design #1		Offset Site Error:		0.0 usft
Survey Program: 0-MWD													Offset Well Error:		0.0 usft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
0.0	0.0	0.0	0.0	0.0	0.0	-169.57	-124.9	-23.0	127.0								
100.0	100.0	100.0	100.0	0.1	0.1	-169.57	-124.9	-23.0	127.0	126.8	0.19	680.626					
200.0	200.0	200.0	200.0	0.3	0.3	-169.57	-124.9	-23.0	127.0	126.3	0.64	199.618					
300.0	300.0	300.0	300.0	0.5	0.5	-169.57	-124.9	-23.0	127.0	125.9	1.09	116.961					
400.0	400.0	400.0	400.0	0.8	0.8	-169.57	-124.9	-23.0	127.0	125.4	1.54	82.712					
500.0	500.0	500.0	500.0	1.0	1.0	-169.57	-124.9	-23.0	127.0	125.0	1.98	63.977					
600.0	600.0	600.0	600.0	1.2	1.2	-169.57	-124.9	-23.0	127.0	124.5	2.43	52.163					
700.0	700.0	700.0	700.0	1.4	1.4	-169.57	-124.9	-23.0	127.0	124.1	2.88	44.031					
800.0	800.0	800.0	800.0	1.7	1.7	-169.57	-124.9	-23.0	127.0	123.6	3.33	38.093					
900.0	900.0	900.0	900.0	1.9	1.9	-169.57	-124.9	-23.0	127.0	123.2	3.78	33.566					
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-169.57	-124.9	-23.0	127.0	122.7	4.23	30.001					
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	-169.57	-124.9	-23.0	127.0	122.4	4.57	27.788	CC, ES				
1,100.0	1,100.0	1,098.6	1,098.6	2.3	2.3	107.55	-125.0	-23.1	127.2	122.5	4.67	27.231					
1,175.0	1,174.9	1,169.1	1,169.0	2.5	2.5	109.29	-126.6	-25.1	130.2	125.2	4.95	26.284					
1,200.0	1,199.9	1,192.3	1,192.2	2.5	2.5	117.34	-127.6	-26.2	132.2	127.1	5.05	26.154	SF				
1,300.0	1,299.3	1,283.3	1,282.7	2.8	2.7	135.30	-133.8	-32.8	147.0	141.5	5.46	26.911					
1,400.0	1,398.1	1,370.5	1,368.9	3.0	2.9	145.26	-143.2	-42.2	173.3	167.5	5.88	29.464					
1,500.0	1,495.6	1,452.3	1,449.0	3.3	3.1	152.04	-155.2	-53.7	211.0	204.7	6.29	33.526					
1,604.7	1,596.1	1,531.2	1,525.4	3.7	3.4	156.98	-169.6	-67.4	261.8	255.1	6.71	39.043					
1,700.0	1,686.8	1,600.0	1,591.1	4.2	3.6	159.69	-184.3	-81.3	314.8	307.7	7.11	44.263					
1,800.0	1,782.0	1,663.6	1,651.0	4.7	4.0	161.60	-199.8	-95.7	374.2	366.7	7.54	49.655					
1,900.0	1,877.1	1,725.5	1,708.5	5.2	4.3	163.07	-216.6	-111.2	436.9	429.0	7.96	54.919					
2,000.0	1,972.2	1,783.6	1,761.8	5.7	4.7	164.18	-233.8	-127.1	502.7	494.3	8.37	60.033					
2,100.0	2,067.3	1,838.2	1,811.0	6.3	5.0	165.03	-251.2	-143.2	571.1	562.3	8.79	65.004					
2,200.0	2,162.5	1,900.0	1,865.6	6.9	5.5	165.83	-272.4	-162.6	642.0	632.8	9.22	69.641					
2,300.0	2,257.6	1,937.7	1,898.4	7.5	5.8	166.24	-286.1	-175.1	714.9	705.3	9.62	74.353					
2,400.0	2,352.7	1,982.9	1,937.2	8.0	6.2	166.68	-303.3	-190.8	789.9	779.8	10.02	78.831					
2,500.0	2,447.8	2,025.3	1,973.0	8.6	6.6	167.03	-320.2	-206.2	866.6	856.2	10.42	83.179					
2,600.0	2,542.9	2,065.3	2,006.1	9.2	7.0	167.33	-336.6	-221.1	944.9	934.1	10.82	87.359					
2,700.0	2,638.1	2,100.0	2,034.5	9.9	7.4	167.56	-351.5	-234.6	1,024.7	1,013.5	11.20	91.508					
2,800.0	2,733.2	2,142.6	2,068.7	10.5	7.9	167.81	-370.3	-251.7	1,105.9	1,094.2	11.61	95.230					
2,900.0	2,828.3	2,192.4	2,108.3	11.1	8.4	168.06	-392.7	-272.0	1,187.7	1,175.7	12.02	98.790					
3,000.0	2,923.4	2,249.7	2,153.9	11.7	9.1	168.33	-418.4	-295.3	1,269.7	1,257.2	12.45	101.994					
3,100.0	3,018.6	2,307.0	2,199.4	12.3	9.7	168.56	-444.1	-318.6	1,351.6	1,338.7	12.87	105.045					
3,200.0	3,113.7	2,364.2	2,244.9	12.9	10.4	168.76	-469.8	-342.0	1,433.5	1,420.2	13.30	107.806					
3,300.0	3,208.8	2,421.5	2,290.4	13.5	11.1	168.94	-495.5	-365.3	1,515.5	1,501.8	13.73	110.407					
3,400.0	3,303.9	2,478.7	2,336.0	14.1	11.8	169.10	-521.3	-388.6	1,597.4	1,583.3	14.16	112.810					
3,500.0	3,399.1	2,536.0	2,381.5	14.8	12.5	169.25	-547.0	-411.9	1,679.4	1,664.8	14.60	115.044					
3,600.0	3,494.2	2,593.2	2,427.0	15.4	13.1	169.38	-572.7	-435.3	1,761.3	1,746.3	15.04	117.144					
3,700.0	3,589.3	2,650.5	2,472.5	16.0	13.8	169.51	-598.4	-458.6	1,843.3	1,827.8	15.48	119.076					
3,800.0	3,684.4	2,707.7	2,518.1	16.6	14.5	169.62	-624.1	-481.9	1,925.3	1,909.3	15.92	120.908					
3,900.0	3,779.6	2,765.0	2,563.6	17.2	15.2	169.72	-649.9	-505.2	2,007.2	1,990.8	16.37	122.601					
4,000.0	3,874.7	2,822.2	2,609.1	17.9	15.9	169.81	-675.6	-528.6	2,089.2	2,072.4	16.82	124.202					
4,100.0	3,969.8	2,879.5	2,654.6	18.5	16.6	169.90	-701.3	-551.9	2,171.2	2,153.9	17.27	125.700					
4,200.0	4,064.9	2,936.7	2,700.2	19.1	17.3	169.98	-727.0	-575.2	2,253.1	2,235.4	17.73	127.107					
4,300.0	4,160.1	2,994.0	2,745.7	19.7	18.0	170.06	-752.7	-598.5	2,335.1	2,316.9	18.18	128.439					
4,400.0	4,255.2	3,051.3	2,791.2	20.4	18.7	170.13	-778.4	-621.9	2,417.1	2,398.4	18.64	129.681					
4,471.2	4,322.9	3,092.0	2,823.6	20.8	19.2	170.17	-796.8	-638.5	2,475.4	2,456.4	18.96	130.532					
4,500.0	4,350.4	3,108.7	2,836.9	21.0	19.4	170.40	-804.2	-645.3	2,498.9	2,479.8	19.15	130.464					
4,600.0	4,446.7	3,169.2	2,885.0	21.4	20.2	171.07	-831.4	-669.9	2,578.5	2,558.7	19.79	130.301					
4,700.0	4,544.2	3,233.8	2,936.4	21.8	20.9	171.61	-860.5	-696.3	2,654.8	2,634.4	20.41	130.045					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 24A-14-06-92 - Wellbore #1 - Design #1													Offset Well Error:	0.0 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,800.0	4,642.8	3,302.3	2,990.8	22.1	21.8	172.04	-891.2	-724.1	2,727.7	2,706.7	21.02	129.750		
4,900.0	4,742.2	3,374.4	3,048.1	22.3	22.7	172.39	-923.6	-753.5	2,796.9	2,775.3	21.61	129.435		
5,000.0	4,842.0	3,450.0	3,108.3	22.5	23.6	172.67	-957.6	-784.3	2,862.3	2,840.2	22.17	129.129		
5,070.1	4,912.0	3,504.9	3,151.9	22.6	24.3	-134.28	-982.2	-806.7	2,905.8	2,883.2	22.54	128.923		
5,100.0	4,941.9	3,528.7	3,170.9	22.6	24.6	-134.30	-992.9	-816.4	2,923.9	2,901.2	22.67	128.949		
5,200.0	5,041.9	3,608.3	3,234.1	22.7	25.6	-134.37	-1,028.7	-848.8	2,984.5	2,961.3	23.14	128.953		
5,300.0	5,141.9	3,687.8	3,297.3	22.8	26.5	-134.44	-1,064.4	-881.2	3,045.0	3,021.4	23.62	128.942		
5,400.0	5,241.9	3,767.3	3,360.5	22.9	27.5	-134.50	-1,100.1	-913.6	3,105.6	3,081.5	24.09	128.919		
5,500.0	5,341.9	3,846.8	3,423.8	23.0	28.5	-134.57	-1,135.8	-946.0	3,166.2	3,141.6	24.57	128.887		
5,600.0	5,441.9	3,926.3	3,487.0	23.1	29.5	-134.63	-1,171.5	-978.4	3,226.8	3,201.7	25.04	128.846		
5,700.0	5,541.9	4,005.8	3,550.2	23.3	30.5	-134.69	-1,207.2	-1,010.8	3,287.4	3,261.9	25.52	128.797		
5,800.0	5,641.9	4,085.3	3,611.4	23.4	31.5	-134.75	-1,242.9	-1,046.6	3,348.0	3,321.4	26.00	128.746		
5,900.0	5,741.9	4,164.8	3,672.6	23.5	32.5	-134.81	-1,278.6	-1,082.4	3,408.6	3,380.6	26.48	128.695		
6,000.0	5,841.9	4,244.3	3,733.8	23.6	33.5	-134.87	-1,314.3	-1,118.2	3,469.2	3,440.2	26.96	128.644		
6,100.0	5,941.9	4,323.8	3,795.0	23.7	34.5	-134.93	-1,350.0	-1,153.9	3,529.8	3,501.2	27.44	128.593		
6,200.0	6,041.9	4,403.3	3,856.2	23.8	35.5	-135.00	-1,385.7	-1,189.6	3,590.4	3,561.8	27.92	128.542		
6,300.0	6,141.9	4,482.8	3,917.4	23.9	36.5	-135.06	-1,421.4	-1,225.3	3,651.0	3,621.4	28.40	128.491		
6,400.0	6,241.9	4,562.3	3,978.6	24.0	37.5	-135.12	-1,457.1	-1,261.0	3,711.6	3,681.0	28.88	128.440		
6,500.0	6,341.9	4,641.8	4,039.8	24.1	38.5	-135.18	-1,492.8	-1,296.7	3,772.2	3,740.6	29.36	128.389		
6,600.0	6,441.9	4,721.3	4,101.0	24.2	39.5	-135.25	-1,528.5	-1,332.4	3,832.8	3,800.0	29.84	128.338		
6,700.0	6,541.9	4,800.8	4,162.2	24.3	40.5	-135.31	-1,564.2	-1,368.1	3,893.4	3,859.4	30.32	128.287		
6,800.0	6,641.9	4,880.3	4,223.4	24.4	41.5	-135.37	-1,600.0	-1,403.8	3,954.0	3,918.0	30.80	128.236		
6,900.0	6,741.9	4,959.8	4,284.6	24.5	42.5	-135.43	-1,635.7	-1,439.5	4,014.6	3,977.0	31.28	128.185		
7,000.0	6,841.9	5,039.3	4,345.8	24.6	43.5	-135.50	-1,671.4	-1,475.2	4,075.2	4,036.0	31.76	128.134		
7,100.0	6,941.9	5,118.8	4,407.0	24.7	44.5	-135.56	-1,707.1	-1,510.9	4,135.8	4,095.0	32.24	128.083		
7,200.0	7,041.9	5,198.3	4,468.2	24.8	45.5	-135.62	-1,742.8	-1,546.6	4,196.4	4,154.0	32.72	128.032		
7,300.0	7,141.9	5,277.8	4,529.4	24.9	46.5	-135.68	-1,778.5	-1,582.3	4,257.0	4,213.0	33.20	127.981		
7,400.0	7,241.9	5,357.3	4,590.6	25.0	47.5	-135.75	-1,814.2	-1,618.0	4,317.6	4,272.0	33.68	127.930		
7,500.0	7,341.9	5,436.8	4,651.8	25.1	48.5	-135.81	-1,850.0	-1,653.7	4,378.2	4,331.0	34.16	127.879		
7,555.1	7,397.0	5,481.5	4,697.0	25.2	49.0	-135.85	-1,875.0	-1,675.0	4,400.0	4,350.0	34.51	127.850		

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 24B-14-06-92 - Wellbore #1 - Design #1													Offset Well Error:	0.0 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-170.95	-144.9	-23.1	146.7					
100.0	100.0	100.0	100.0	0.1	0.1	-170.95	-144.9	-23.1	146.7	146.5	0.19	786.338		
200.0	200.0	200.0	200.0	0.3	0.3	-170.95	-144.9	-23.1	146.7	146.1	0.64	230.622		
300.0	300.0	300.0	300.0	0.5	0.5	-170.95	-144.9	-23.1	146.7	145.6	1.09	135.126		
400.0	400.0	400.0	400.0	0.8	0.8	-170.95	-144.9	-23.1	146.7	145.2	1.54	95.558		
500.0	500.0	500.0	500.0	1.0	1.0	-170.95	-144.9	-23.1	146.7	144.7	1.98	73.914		
600.0	600.0	600.0	600.0	1.2	1.2	-170.95	-144.9	-23.1	146.7	144.3	2.43	60.264		
700.0	700.0	700.0	700.0	1.4	1.4	-170.95	-144.9	-23.1	146.7	143.8	2.88	50.870		
800.0	800.0	800.0	800.0	1.7	1.7	-170.95	-144.9	-23.1	146.7	143.4	3.33	44.010		
900.0	900.0	900.0	900.0	1.9	1.9	-170.95	-144.9	-23.1	146.7	142.9	3.78	38.780		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-170.95	-144.9	-23.1	146.7	142.5	4.23	34.661		
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	-170.95	-144.9	-23.1	146.7	142.1	4.57	32.103 CC, ES		
1,100.0	1,100.0	1,098.8	1,098.8	2.3	2.3	106.16	-144.9	-23.2	146.8	142.2	4.67	31.438		
1,175.0	1,174.9	1,170.1	1,170.1	2.5	2.5	107.74	-146.1	-25.1	149.2	144.2	4.96	30.093		
1,200.0	1,199.9	1,193.2	1,193.1	2.5	2.5	115.69	-146.7	-26.2	150.8	145.7	5.06	29.820 SF		
1,300.0	1,299.3	1,283.3	1,282.8	2.8	2.7	133.15	-151.9	-32.3	164.1	158.6	5.46	30.047		
1,400.0	1,398.1	1,369.9	1,368.5	3.0	2.9	142.67	-160.7	-40.8	188.8	182.9	5.88	32.114		
1,500.0	1,495.6	1,451.5	1,448.6	3.3	3.1	149.18	-172.4	-51.2	224.9	218.6	6.29	35.727		
1,604.7	1,596.1	1,530.4	1,525.2	3.7	3.3	153.98	-186.8	-63.3	274.0	267.3	6.71	40.809		
1,700.0	1,686.8	1,600.0	1,592.0	4.2	3.6	156.70	-202.0	-75.8	325.6	318.5	7.13	45.668		
1,800.0	1,782.0	1,663.3	1,651.9	4.7	3.9	158.60	-217.9	-88.6	383.6	376.1	7.56	50.742		
1,900.0	1,877.1	1,725.7	1,710.2	5.2	4.2	160.07	-235.4	-102.4	445.1	437.1	7.99	55.711		
2,000.0	1,972.2	1,784.4	1,764.3	5.7	4.5	161.17	-253.5	-116.6	509.7	501.2	8.42	60.557		
2,100.0	2,067.3	1,839.7	1,814.3	6.3	4.9	162.01	-272.0	-130.9	576.9	568.1	8.84	65.274		
2,200.0	2,162.5	1,900.0	1,868.0	6.9	5.4	162.75	-293.7	-147.7	646.8	637.5	9.28	69.711		
2,300.0	2,257.6	1,940.5	1,903.5	7.5	5.7	163.17	-309.2	-159.5	718.7	709.0	9.68	74.205		
2,400.0	2,352.7	2,000.0	1,954.7	8.0	6.2	163.68	-333.3	-177.8	792.8	782.7	10.12	78.311		
2,500.0	2,447.8	2,029.7	1,979.9	8.6	6.5	163.90	-345.9	-187.4	868.4	857.9	10.52	82.582		
2,600.0	2,542.9	2,085.1	2,026.0	9.2	7.0	164.25	-370.4	-205.8	946.1	935.1	10.95	86.384		
2,700.0	2,638.1	2,123.4	2,057.5	9.9	7.4	164.46	-387.8	-218.9	1,024.6	1,013.2	11.37	90.144		
2,800.0	2,733.2	2,184.9	2,108.1	10.5	8.0	164.75	-415.7	-239.9	1,103.4	1,091.6	11.80	93.505		
2,900.0	2,828.3	2,246.3	2,158.7	11.1	8.7	165.00	-443.6	-260.8	1,182.2	1,170.0	12.24	96.561		
3,000.0	2,923.4	2,307.8	2,209.3	11.7	9.3	165.23	-471.5	-281.8	1,261.0	1,248.3	12.68	99.411		
3,100.0	3,018.6	2,369.3	2,259.9	12.3	10.0	165.42	-499.4	-302.8	1,339.8	1,326.7	13.14	101.985		
3,200.0	3,113.7	2,430.7	2,310.5	12.9	10.6	165.60	-527.3	-323.7	1,418.7	1,405.1	13.59	104.378		
3,300.0	3,208.8	2,492.2	2,361.1	13.5	11.3	165.76	-555.2	-344.7	1,497.5	1,483.5	14.05	106.597		
3,400.0	3,303.9	2,553.7	2,411.7	14.1	12.0	165.90	-583.1	-365.6	1,576.4	1,561.9	14.51	108.624		
3,500.0	3,399.1	2,615.1	2,462.3	14.8	12.7	166.03	-611.0	-386.6	1,655.2	1,640.2	14.98	110.523		
3,600.0	3,494.2	2,676.6	2,512.9	15.4	13.3	166.14	-638.9	-407.6	1,734.1	1,718.6	15.44	112.274		
3,700.0	3,589.3	2,738.1	2,563.5	16.0	14.0	166.25	-666.8	-428.5	1,812.9	1,797.0	15.92	113.902		
3,800.0	3,684.4	2,799.6	2,614.1	16.6	14.7	166.34	-694.7	-449.5	1,891.8	1,875.4	16.39	115.431		
3,900.0	3,779.6	2,861.0	2,664.7	17.2	15.4	166.43	-722.6	-470.5	1,970.6	1,953.8	16.87	116.837		
4,000.0	3,874.7	2,922.5	2,715.3	17.9	16.1	166.52	-750.5	-491.4	2,049.5	2,032.1	17.34	118.162		
4,100.0	3,969.8	2,984.0	2,765.9	18.5	16.8	166.59	-778.4	-512.4	2,128.3	2,110.5	17.83	119.400		
4,200.0	4,064.9	3,045.4	2,816.5	19.1	17.4	166.66	-806.3	-533.4	2,207.2	2,188.9	18.31	120.556		
4,300.0	4,160.1	3,106.9	2,867.1	19.7	18.1	166.73	-834.2	-554.3	2,286.1	2,267.3	18.79	121.648		
4,400.0	4,255.2	3,168.4	2,917.7	20.4	18.8	166.79	-862.1	-575.3	2,364.9	2,345.6	19.28	122.666		
4,471.2	4,322.9	3,212.1	2,953.8	20.8	19.3	166.83	-882.0	-590.2	2,421.1	2,401.4	19.63	123.359		
4,500.0	4,350.4	3,230.0	2,968.5	21.0	19.5	167.09	-890.1	-596.3	2,443.7	2,423.8	19.82	123.280		
4,600.0	4,446.7	3,294.6	3,021.7	21.4	20.2	167.88	-919.4	-618.3	2,520.0	2,499.5	20.48	123.075		
4,700.0	4,544.2	3,363.0	3,078.0	21.8	21.0	168.52	-950.5	-641.7	2,592.9	2,571.8	21.12	122.748		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Valley Farms G - Valley Farms G 24B-14-06-92 - Wellbore #1 - Design #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,800.0	4,642.8	3,435.1	3,137.3	22.1	21.8	169.03	-983.2	-666.2	2,662.2	2,640.4	21.75	122.374		
4,900.0	4,742.2	3,510.6	3,199.4	22.3	22.7	169.45	-1,017.5	-692.0	2,727.7	2,705.3	22.36	121.991		
5,000.0	4,842.0	3,589.3	3,264.2	22.5	23.6	169.77	-1,053.2	-718.8	2,789.2	2,766.3	22.93	121.622		
5,070.1	4,912.0	3,646.2	3,311.1	22.6	24.2	-137.15	-1,079.1	-738.3	2,829.9	2,806.6	23.32	121.377		
5,100.0	4,941.9	3,670.9	3,331.4	22.6	24.5	-137.19	-1,090.2	-746.7	2,846.9	2,823.4	23.45	121.376		
5,200.0	5,041.9	3,753.2	3,399.2	22.7	25.4	-137.30	-1,127.6	-774.7	2,903.4	2,879.5	23.94	121.293		
5,300.0	5,141.9	3,835.5	3,467.0	22.8	26.4	-137.41	-1,165.0	-802.8	2,960.0	2,935.6	24.42	121.205		
5,400.0	5,241.9	3,917.8	3,534.7	22.9	27.3	-137.52	-1,202.3	-830.9	3,016.6	2,991.7	24.91	121.112		
5,500.0	5,341.9	4,000.2	3,602.5	23.0	28.2	-137.62	-1,239.7	-859.0	3,073.2	3,047.8	25.39	121.016		
5,600.0	5,441.9	4,082.5	3,670.2	23.1	29.2	-137.72	-1,277.1	-887.1	3,129.8	3,103.9	25.88	120.915		
5,700.0	5,541.9	4,164.8	3,738.0	23.3	30.1	-137.82	-1,314.4	-915.1	3,186.4	3,160.0	26.37	120.812		
5,800.0	5,641.9	4,247.1	3,805.8	23.4	31.0	-137.91	-1,351.8	-943.2	3,243.0	3,216.2	26.87	120.706		
5,900.0	5,741.9	4,329.4	3,873.5	23.5	32.0	-138.00	-1,389.2	-971.3	3,299.7	3,272.3	27.36	120.599		
6,000.0	5,841.9	4,411.8	3,941.3	23.6	32.9	-138.08	-1,426.5	-999.4	3,356.3	3,328.4	27.86	120.490		
6,100.0	5,941.9	4,494.1	4,009.1	23.7	33.8	-138.17	-1,463.9	-1,027.4	3,412.9	3,384.6	28.35	120.379		
6,200.0	6,041.9	4,576.4	4,076.8	23.8	34.8	-138.25	-1,501.3	-1,055.5	3,469.5	3,440.7	28.85	120.267		
6,300.0	6,141.9	4,658.7	4,144.6	24.0	35.7	-138.32	-1,538.6	-1,083.6	3,526.2	3,496.8	29.35	120.154		
6,400.0	6,241.9	4,741.0	4,212.4	24.1	36.6	-139.19	-2,059.5	-1,474.9	3,555.6	3,520.3	35.30	100.736		
6,500.0	6,341.9	7,027.8	6,341.9	24.2	48.0	-139.19	-2,059.5	-1,474.9	3,555.6	3,520.0	35.61	99.854		
6,600.0	6,441.9	7,127.8	6,441.9	24.3	48.0	-139.19	-2,059.5	-1,474.9	3,555.6	3,519.7	35.92	98.979		
6,700.0	6,541.9	7,227.8	6,541.9	24.5	48.1	-139.19	-2,059.5	-1,474.9	3,555.6	3,519.4	36.24	98.113		
6,800.0	6,641.9	7,327.8	6,641.9	24.6	48.1	-139.19	-2,059.5	-1,474.9	3,555.6	3,519.1	36.56	97.254		
6,900.0	6,741.9	7,427.8	6,741.9	24.7	48.2	-139.19	-2,059.5	-1,474.9	3,555.6	3,518.7	36.88	96.404		
7,000.0	6,841.9	7,527.8	6,841.9	24.9	48.3	-139.19	-2,059.5	-1,474.9	3,555.6	3,518.4	37.21	95.562		
7,100.0	6,941.9	7,627.8	6,941.9	25.0	48.3	-139.19	-2,059.5	-1,474.9	3,555.6	3,518.1	37.53	94.729		
7,200.0	7,041.9	7,727.8	7,041.9	25.1	48.4	-139.19	-2,059.5	-1,474.9	3,555.6	3,517.8	37.86	93.904		
7,300.0	7,141.9	7,827.8	7,141.9	25.3	48.4	-139.19	-2,059.5	-1,474.9	3,555.6	3,517.4	38.20	93.087		
7,400.0	7,241.9	7,927.8	7,241.9	25.4	48.5	-139.19	-2,059.5	-1,474.9	3,555.6	3,517.1	38.53	92.280		
7,500.0	7,341.9	8,027.8	7,341.9	25.5	48.6	-139.19	-2,059.5	-1,474.9	3,555.6	3,516.8	38.87	91.481		
7,555.1	7,397.0	8,082.8	7,397.0	25.6	48.6	-139.19	-2,059.5	-1,474.9	3,555.6	3,516.6	39.05	91.045		

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 24C-14-06-92 - Wellbore #1 - Design #1													Offset Well Error:	0.0 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-171.51	-154.9	-23.1	156.6					
100.0	100.0	100.0	100.0	0.1	0.1	-171.51	-154.9	-23.1	156.6	156.4	0.19	839.334		
200.0	200.0	200.0	200.0	0.3	0.3	-171.51	-154.9	-23.1	156.6	155.9	0.64	246.165		
300.0	300.0	300.0	300.0	0.5	0.5	-171.51	-154.9	-23.1	156.6	155.5	1.09	144.233		
400.0	400.0	400.0	400.0	0.8	0.8	-171.51	-154.9	-23.1	156.6	155.0	1.54	101.998		
500.0	500.0	500.0	500.0	1.0	1.0	-171.51	-154.9	-23.1	156.6	154.6	1.98	78.896		
600.0	600.0	600.0	600.0	1.2	1.2	-171.51	-154.9	-23.1	156.6	154.1	2.43	64.326		
700.0	700.0	700.0	700.0	1.4	1.4	-171.51	-154.9	-23.1	156.6	153.7	2.88	54.298		
800.0	800.0	800.0	800.0	1.7	1.7	-171.51	-154.9	-23.1	156.6	153.2	3.33	46.976		
900.0	900.0	900.0	900.0	1.9	1.9	-171.51	-154.9	-23.1	156.6	152.8	3.78	41.393		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-171.51	-154.9	-23.1	156.6	152.4	4.23	36.997		
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	-171.51	-154.9	-23.1	156.6	152.0	4.57	34.267	CC, ES	
1,100.0	1,100.0	1,098.5	1,098.5	2.3	2.3	105.58	-155.0	-23.2	156.7	152.1	4.67	33.565		
1,175.0	1,174.9	1,169.0	1,168.9	2.5	2.5	106.94	-156.4	-24.9	159.3	154.4	4.95	32.168		
1,200.0	1,199.9	1,191.9	1,191.8	2.5	2.5	114.77	-157.2	-25.8	161.0	156.0	5.05	31.879	SF	
1,300.0	1,299.3	1,281.4	1,281.0	2.8	2.7	131.73	-163.1	-31.2	174.6	169.2	5.45	32.018		
1,400.0	1,398.1	1,367.5	1,366.2	3.0	2.9	140.79	-172.6	-38.8	199.4	193.6	5.87	33.964		
1,500.0	1,495.6	1,448.7	1,445.9	3.3	3.1	146.96	-185.0	-48.1	235.4	229.1	6.29	37.424		
1,604.7	1,596.1	1,527.3	1,522.2	3.7	3.3	151.54	-200.3	-59.1	284.2	277.5	6.72	42.315		
1,700.0	1,686.8	1,600.0	1,591.9	4.2	3.6	154.31	-217.1	-71.0	335.6	328.4	7.15	46.963		
1,800.0	1,782.0	1,659.9	1,648.6	4.7	3.9	156.08	-233.0	-82.0	393.2	385.6	7.58	51.895		
1,900.0	1,877.1	1,722.1	1,706.7	5.2	4.2	157.54	-251.3	-94.6	454.3	446.3	8.01	56.696		
2,000.0	1,972.2	1,780.8	1,760.7	5.7	4.5	158.63	-270.3	-107.6	518.6	510.1	8.45	61.373		
2,100.0	2,067.3	1,836.1	1,810.8	6.3	4.9	159.47	-289.7	-120.7	585.5	576.7	8.88	65.934		
2,200.0	2,162.5	1,900.0	1,867.7	6.9	5.3	160.26	-313.9	-136.9	655.1	645.8	9.34	70.174		
2,300.0	2,257.6	1,937.0	1,900.0	7.5	5.7	160.63	-328.7	-146.8	726.7	716.9	9.75	74.557		
2,400.0	2,352.7	1,983.0	1,939.7	8.0	6.0	161.04	-348.1	-159.7	800.4	790.2	10.18	78.658		
2,500.0	2,447.8	2,026.3	1,976.5	8.6	6.4	161.36	-367.1	-172.4	875.9	865.3	10.60	82.658		
2,600.0	2,542.9	2,067.1	2,010.6	9.2	6.8	161.63	-385.8	-184.8	953.1	942.1	11.02	86.508		
2,700.0	2,638.1	2,100.0	2,037.6	9.9	7.1	161.81	-401.5	-195.1	1,031.9	1,020.4	11.42	90.371		
2,800.0	2,733.2	2,141.7	2,071.4	10.5	7.6	162.01	-421.9	-208.5	1,111.9	1,100.1	11.85	93.847		
2,900.0	2,828.3	2,179.1	2,101.1	11.1	8.0	162.17	-440.9	-221.0	1,193.3	1,181.0	12.27	97.283		
3,000.0	2,923.4	2,236.5	2,146.5	11.7	8.6	162.38	-470.3	-240.3	1,275.1	1,262.4	12.72	100.235		
3,100.0	3,018.6	2,293.9	2,191.9	12.3	9.3	162.57	-499.7	-259.6	1,356.9	1,343.8	13.16	103.093		
3,200.0	3,113.7	2,351.4	2,237.4	12.9	9.9	162.73	-529.0	-278.8	1,438.8	1,425.2	13.62	105.674		
3,300.0	3,208.8	2,408.8	2,282.8	13.5	10.6	162.88	-558.4	-298.1	1,520.6	1,506.5	14.07	108.111		
3,400.0	3,303.9	2,466.2	2,328.2	14.1	11.2	163.01	-587.8	-317.4	1,602.4	1,587.9	14.52	110.328		
3,500.0	3,399.1	2,523.7	2,373.6	14.8	11.9	163.13	-617.2	-336.7	1,684.3	1,669.3	14.98	112.407		
3,600.0	3,494.2	2,581.1	2,419.0	15.4	12.6	163.24	-646.6	-356.0	1,766.1	1,750.7	15.45	114.334		
3,700.0	3,589.3	2,638.5	2,464.4	16.0	13.3	163.34	-676.0	-375.3	1,848.0	1,832.0	15.91	116.121		
3,800.0	3,684.4	2,696.0	2,509.9	16.6	13.9	163.43	-705.4	-394.6	1,929.8	1,913.4	16.38	117.803		
3,900.0	3,779.6	2,753.4	2,555.3	17.2	14.6	163.51	-734.8	-413.9	2,011.6	1,994.8	16.86	119.350		
4,000.0	3,874.7	2,810.9	2,600.7	17.9	15.3	163.59	-764.2	-433.2	2,093.5	2,076.2	17.33	120.815		
4,100.0	3,969.8	2,868.3	2,646.1	18.5	16.0	163.66	-793.6	-452.4	2,175.3	2,157.5	17.81	122.173		
4,200.0	4,064.9	2,925.7	2,691.5	19.1	16.7	163.72	-823.0	-471.7	2,257.2	2,238.9	18.28	123.454		
4,300.0	4,160.1	2,983.2	2,737.0	19.7	17.4	163.78	-852.4	-491.0	2,339.0	2,320.3	18.76	124.656		
4,400.0	4,255.2	3,040.6	2,782.4	20.4	18.0	163.84	-881.8	-510.3	2,420.9	2,401.6	19.25	125.781		
4,471.2	4,322.9	3,081.5	2,814.7	20.8	18.5	163.88	-902.7	-524.0	2,479.1	2,459.5	19.59	126.546		
4,500.0	4,350.4	3,098.2	2,827.9	21.0	18.7	164.22	-911.2	-529.7	2,502.6	2,482.8	19.77	126.585		
4,600.0	4,446.7	3,158.9	2,875.9	21.4	19.5	165.27	-942.3	-550.0	2,582.1	2,561.7	20.38	126.689		
4,700.0	4,544.2	3,223.4	2,927.0	21.8	20.2	166.10	-975.3	-571.7	2,658.4	2,637.4	21.00	126.588		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Valley Farms G - Valley Farms G 24C-14-06-92 - Wellbore #1 - Design #1												Offset Site Error: 0.0 usft	
Survey Program: 0-MWD												Offset Well Error: 0.0 usft	
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
4,800.0	4,642.8	3,291.8	2,981.0	22.1	21.1	166.78	-1,010.3	-594.7	2,731.4	2,709.8	21.61	126.376	
4,900.0	4,742.2	3,363.7	3,037.9	22.3	21.9	167.32	-1,047.1	-618.8	2,800.7	2,778.5	22.21	126.114	
5,000.0	4,842.0	3,439.0	3,097.4	22.5	22.8	167.75	-1,085.6	-644.1	2,866.3	2,843.6	22.78	125.846	
5,070.1	4,912.0	3,493.6	3,140.6	22.6	23.5	-139.12	-1,113.6	-662.5	2,910.0	2,886.8	23.16	125.667	
5,100.0	4,941.9	3,517.3	3,159.4	22.6	23.8	-139.16	-1,125.7	-670.4	2,928.2	2,904.9	23.29	125.701	
5,200.0	5,041.9	3,596.4	3,221.9	22.7	24.7	-139.32	-1,166.2	-697.0	2,989.1	2,965.3	23.77	125.734	
5,300.0	5,141.9	3,675.5	3,284.4	22.8	25.7	-139.47	-1,206.7	-723.5	3,050.0	3,025.7	24.25	125.758	
5,400.0	5,241.9	3,754.5	3,347.0	22.9	26.6	-139.61	-1,247.1	-750.1	3,110.9	3,086.2	24.73	125.774	
5,500.0	5,341.9	3,833.6	3,409.5	23.0	27.6	-139.74	-1,287.6	-776.6	3,171.8	3,146.6	25.22	125.785	
5,600.0	5,441.9	3,912.7	3,472.0	23.1	28.6	-139.88	-1,328.1	-803.2	3,232.7	3,207.0	25.70	125.790	
5,700.0	5,541.9	3,991.8	3,534.5	23.3	29.5	-140.00	-1,368.5	-829.8	3,293.7	3,267.5	26.18	125.788	
5,800.0	5,641.9	4,070.9	3,597.1	23.4	30.5	-140.12	-1,409.0	-856.3	3,354.6	3,328.0	26.67	125.781	
5,900.0	5,741.9	4,149.9	3,659.6	23.5	31.4	-140.24	-1,449.5	-882.9	3,415.6	3,388.4	27.16	125.770	
6,000.0	5,841.9	4,229.0	3,722.1	23.6	32.4	-140.36	-1,489.9	-909.4	3,476.6	3,448.9	27.65	125.754	
6,100.0	5,941.9	4,308.1	3,784.7	23.7	33.3	-140.47	-1,530.4	-936.0	3,537.5	3,509.4	28.13	125.735	
6,200.0	6,041.9	4,387.2	3,847.2	23.8	34.3	-140.57	-1,570.9	-962.6	3,598.5	3,569.9	28.63	125.712	
6,300.0	6,141.9	4,466.2	3,909.7	24.0	35.3	-140.67	-1,611.3	-989.1	3,659.5	3,630.4	29.12	125.685	
6,400.0	6,241.9	4,545.3	3,972.3	24.1	36.2	-140.77	-1,651.8	-1,015.7	3,720.5	3,690.9	29.61	125.656	
6,500.0	6,341.9	7,155.3	6,341.9	24.2	51.6	-142.07	-2,339.2	-1,466.8	3,766.8	3,730.2	36.59	102.953	
6,600.0	6,441.9	7,255.3	6,441.9	24.3	51.6	-142.07	-2,339.2	-1,466.8	3,766.8	3,729.9	36.89	102.100	
6,700.0	6,541.9	7,355.3	6,541.9	24.5	51.7	-142.07	-2,339.2	-1,466.8	3,766.8	3,729.6	37.20	101.254	
6,800.0	6,641.9	7,455.3	6,641.9	24.6	51.7	-142.07	-2,339.2	-1,466.8	3,766.8	3,729.2	37.51	100.415	
6,900.0	6,741.9	7,555.3	6,741.9	24.7	51.8	-142.07	-2,339.2	-1,466.8	3,766.8	3,728.9	37.83	99.583	
7,000.0	6,841.9	7,655.3	6,841.9	24.9	51.8	-142.07	-2,339.2	-1,466.8	3,766.8	3,728.6	38.14	98.758	
7,100.0	6,941.9	7,755.3	6,941.9	25.0	51.9	-142.07	-2,339.2	-1,466.8	3,766.8	3,728.3	38.46	97.940	
7,200.0	7,041.9	7,855.3	7,041.9	25.1	51.9	-142.07	-2,339.2	-1,466.8	3,766.8	3,728.0	38.78	97.129	
7,300.0	7,141.9	7,955.3	7,141.9	25.3	52.0	-142.07	-2,339.2	-1,466.8	3,766.8	3,727.7	39.10	96.326	
7,400.0	7,241.9	8,055.3	7,241.9	25.4	52.1	-142.07	-2,339.2	-1,466.8	3,766.8	3,727.3	39.43	95.530	
7,500.0	7,341.9	8,155.3	7,341.9	25.5	52.1	-142.07	-2,339.2	-1,466.8	3,766.8	3,727.0	39.76	94.742	
7,555.1	7,397.0	8,210.3	7,397.0	25.6	52.2	-142.07	-2,339.2	-1,466.8	3,766.8	3,726.8	39.94	94.312	

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 24D-14-06-92 - Wellbore #1 - Design #1													Offset Well Error:	0.0 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-172.01	-164.9	-23.2	166.5					
100.0	100.0	100.0	100.0	0.1	0.1	-172.01	-164.9	-23.2	166.5	166.3	0.19	892.424		
200.0	200.0	200.0	200.0	0.3	0.3	-172.01	-164.9	-23.2	166.5	165.9	0.64	261.736		
300.0	300.0	300.0	300.0	0.5	0.5	-172.01	-164.9	-23.2	166.5	165.4	1.09	153.357		
400.0	400.0	400.0	400.0	0.8	0.8	-172.01	-164.9	-23.2	166.5	165.0	1.54	108.450		
500.0	500.0	500.0	500.0	1.0	1.0	-172.01	-164.9	-23.2	166.5	164.5	1.98	83.886		
600.0	600.0	600.0	600.0	1.2	1.2	-172.01	-164.9	-23.2	166.5	164.1	2.43	68.395		
700.0	700.0	700.0	700.0	1.4	1.4	-172.01	-164.9	-23.2	166.5	163.6	2.88	57.733		
800.0	800.0	800.0	800.0	1.7	1.7	-172.01	-164.9	-23.2	166.5	163.2	3.33	49.947		
900.0	900.0	900.0	900.0	1.9	1.9	-172.01	-164.9	-23.2	166.5	162.7	3.78	44.011		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-172.01	-164.9	-23.2	166.5	162.3	4.23	39.337		
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	-172.01	-164.9	-23.2	166.5	161.9	4.57	36.434	CC, ES	
1,100.0	1,100.0	1,097.8	1,097.8	2.3	2.3	105.07	-165.0	-23.2	166.7	162.0	4.67	35.712		
1,175.0	1,174.9	1,166.2	1,166.1	2.5	2.5	106.11	-167.1	-24.4	169.9	165.0	4.94	34.367		
1,200.0	1,199.9	1,188.8	1,188.7	2.5	2.5	113.78	-168.3	-25.1	172.0	166.9	5.04	34.125	SF	
1,300.0	1,299.3	1,277.7	1,277.2	2.8	2.7	130.10	-175.7	-29.5	186.8	181.3	5.44	34.311		
1,400.0	1,398.1	1,363.2	1,361.7	3.0	2.8	138.58	-186.7	-35.9	212.5	206.6	5.86	36.231		
1,500.0	1,495.6	1,443.7	1,440.6	3.3	3.1	144.32	-200.6	-44.0	248.9	242.6	6.29	39.605		
1,604.7	1,596.1	1,521.6	1,516.1	3.7	3.3	148.60	-217.2	-53.6	298.0	291.3	6.72	44.340		
1,700.0	1,686.8	1,587.6	1,579.3	4.2	3.6	151.09	-233.7	-63.2	349.4	342.3	7.15	48.880		
1,800.0	1,782.0	1,653.1	1,641.1	4.7	3.9	153.04	-252.2	-74.0	407.2	399.6	7.60	53.578		
1,900.0	1,877.1	1,714.8	1,698.7	5.2	4.2	154.49	-271.6	-85.3	468.4	460.4	8.05	58.208		
2,000.0	1,972.2	1,773.0	1,752.1	5.7	4.5	155.61	-291.5	-96.9	532.7	524.2	8.50	62.705		
2,100.0	2,067.3	1,827.8	1,801.6	6.3	4.9	156.47	-311.8	-108.8	599.7	590.8	8.94	67.104		
2,200.0	2,162.5	1,879.4	1,847.4	6.9	5.3	157.14	-332.3	-120.6	669.2	659.8	9.38	71.327		
2,300.0	2,257.6	1,928.0	1,889.9	7.5	5.7	157.68	-352.6	-132.5	740.9	731.1	9.83	75.370		
2,400.0	2,352.7	1,973.7	1,929.2	8.0	6.1	158.11	-372.7	-144.2	814.6	804.4	10.27	79.302		
2,500.0	2,447.8	2,000.0	1,951.6	8.6	6.3	158.33	-384.8	-151.2	890.4	879.8	10.66	83.504		
2,600.0	2,542.9	2,057.2	1,999.3	9.2	6.8	158.74	-411.9	-167.0	967.4	956.3	11.13	86.891		
2,700.0	2,638.1	2,100.0	2,034.3	9.9	7.3	159.00	-433.2	-179.4	1,046.1	1,034.6	11.57	90.451		
2,800.0	2,733.2	2,131.4	2,059.6	10.5	7.6	159.17	-449.3	-188.8	1,126.2	1,114.2	11.99	93.958		
2,900.0	2,828.3	2,165.3	2,086.5	11.1	8.0	159.33	-467.2	-199.2	1,207.6	1,195.2	12.41	97.313		
3,000.0	2,923.4	2,200.0	2,113.5	11.7	8.3	159.48	-486.0	-210.2	1,290.1	1,277.3	12.83	100.555		
3,100.0	3,018.6	2,227.7	2,134.8	12.3	8.7	159.58	-501.3	-219.1	1,373.7	1,360.5	13.25	103.690		
3,200.0	3,113.7	2,267.9	2,165.2	12.9	9.1	159.72	-524.0	-232.3	1,458.2	1,444.5	13.68	106.554		
3,300.0	3,208.8	2,321.1	2,205.4	13.5	9.8	159.88	-554.1	-249.9	1,542.8	1,528.6	14.14	109.116		
3,400.0	3,303.9	2,374.4	2,245.7	14.1	10.4	160.02	-584.2	-267.4	1,627.4	1,612.8	14.59	111.529		
3,500.0	3,399.1	2,427.7	2,286.0	14.8	11.1	160.15	-614.4	-285.0	1,712.0	1,696.9	15.05	113.781		
3,600.0	3,494.2	2,480.9	2,326.2	15.4	11.7	160.27	-644.5	-302.5	1,796.6	1,781.1	15.50	115.879		
3,700.0	3,589.3	2,534.2	2,366.5	16.0	12.4	160.38	-674.7	-320.1	1,881.2	1,865.2	15.97	117.826		
3,800.0	3,684.4	2,587.5	2,406.8	16.6	13.1	160.47	-704.8	-337.6	1,965.8	1,949.4	16.43	119.658		
3,900.0	3,779.6	2,640.7	2,447.0	17.2	13.7	160.56	-734.9	-355.2	2,050.4	2,033.5	16.90	121.353		
4,000.0	3,874.7	2,694.0	2,487.3	17.9	14.4	160.65	-765.1	-372.7	2,135.0	2,117.7	17.36	122.961		
4,100.0	3,969.8	2,747.3	2,527.6	18.5	15.1	160.72	-795.2	-390.3	2,219.7	2,201.8	17.84	124.446		
4,200.0	4,064.9	2,800.5	2,567.8	19.1	15.7	160.79	-825.3	-407.8	2,304.3	2,286.0	18.31	125.864		
4,300.0	4,160.1	2,853.8	2,608.1	19.7	16.4	160.86	-855.5	-425.4	2,388.9	2,370.1	18.78	127.173		
4,400.0	4,255.2	2,907.1	2,648.3	20.4	17.1	160.92	-885.6	-442.9	2,473.5	2,454.3	19.26	128.424		
4,471.2	4,322.9	2,945.0	2,677.0	20.8	17.6	160.96	-907.1	-455.4	2,533.8	2,514.2	19.60	129.258		
4,500.0	4,350.4	2,960.5	2,688.7	21.0	17.7	161.41	-915.8	-460.5	2,558.0	2,538.3	19.76	129.442		
4,600.0	4,446.7	3,017.1	2,731.5	21.4	18.5	162.76	-947.8	-479.2	2,640.5	2,620.2	20.31	129.979		
4,700.0	4,544.2	3,077.6	2,777.3	21.8	19.2	163.84	-982.1	-499.1	2,720.0	2,699.1	20.89	130.176		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Valley Farms G - Valley Farms G 24D-14-06-92 - Wellbore #1 - Design #1													Offset Site Error: 0.0 usft	
Survey Program: 0-MWD													Offset Well Error: 0.0 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,800.0	4,642.8	3,142.1	2,826.0	22.1	20.1	164.70	-1,018.6	-520.4	2,796.4	2,774.9	21.48	130.187		
4,900.0	4,742.2	3,210.2	2,877.5	22.3	20.9	165.39	-1,057.1	-542.8	2,869.5	2,847.4	22.05	130.110		
5,000.0	4,842.0	3,281.8	2,931.6	22.5	21.8	165.95	-1,097.6	-566.4	2,938.9	2,916.3	22.61	129.992		
5,070.1	4,912.0	3,334.0	2,971.1	22.6	22.5	-140.85	-1,127.2	-583.6	2,985.4	2,962.5	22.98	129.905		
5,100.0	4,941.9	3,356.6	2,988.2	22.6	22.8	-140.90	-1,140.0	-591.1	3,004.9	2,981.8	23.12	129.982		
5,200.0	5,041.9	3,432.2	3,045.3	22.7	23.8	-141.09	-1,182.7	-616.0	3,069.9	3,046.3	23.59	130.149		
5,300.0	5,141.9	3,507.8	3,102.4	22.8	24.7	-141.27	-1,225.5	-640.9	3,135.0	3,110.9	24.06	130.306		
5,400.0	5,241.9	3,583.4	3,159.6	22.9	25.7	-141.44	-1,268.2	-665.8	3,200.0	3,175.5	24.53	130.450		
5,500.0	5,341.9	3,659.0	3,216.7	23.0	26.7	-141.61	-1,311.0	-690.7	3,265.1	3,240.1	25.00	130.585		
5,600.0	5,441.9	3,734.6	3,273.9	23.1	27.6	-141.77	-1,353.8	-715.6	3,330.2	3,304.7	25.48	130.711		
5,700.0	5,541.9	3,810.2	3,331.0	23.3	28.6	-141.92	-1,396.5	-740.5	3,395.3	3,369.4	25.95	130.830		
5,800.0	5,641.9	3,885.8	3,388.1	23.4	29.6	-142.07	-1,439.3	-765.4	3,460.4	3,434.0	26.43	130.940		
5,900.0	5,741.9	3,961.4	3,445.3	23.5	30.5	-142.21	-1,482.1	-790.3	3,525.6	3,498.7	26.90	131.041		
6,000.0	5,841.9	4,036.9	3,502.4	23.6	31.5	-142.35	-1,524.8	-815.2	3,590.7	3,563.4	27.38	131.136		
6,100.0	5,941.9	4,112.5	3,559.5	23.7	32.5	-142.48	-1,567.6	-840.1	3,655.9	3,628.0	27.86	131.225		
6,200.0	6,041.9	4,188.1	3,616.7	23.8	33.5	-142.61	-1,610.4	-865.0	3,721.1	3,692.7	28.34	131.308		
6,300.0	6,141.9	4,263.7	3,673.8	24.0	34.4	-142.73	-1,653.1	-889.9	3,786.2	3,757.4	28.82	131.383		
6,400.0	6,241.9	4,339.3	3,730.9	24.1	35.4	-142.85	-1,695.9	-914.8	3,851.4	3,822.1	29.30	131.454		
6,500.0	6,341.9	4,414.9	3,788.1	24.2	36.4	-142.97	-1,738.6	-939.8	3,916.6	3,886.9	29.78	131.519		
6,600.0	6,441.9	4,490.5	3,845.2	24.3	37.3	-143.08	-1,781.4	-964.7	3,981.9	3,951.6	30.26	131.579		
6,700.0	6,541.9	7,500.6	6,541.9	24.5	55.5	-144.72	-2,629.0	-1,458.3	3,994.4	3,956.2	38.19	104.596		
6,800.0	6,641.9	7,600.6	6,641.9	24.6	55.5	-144.72	-2,629.0	-1,458.3	3,994.4	3,955.9	38.49	103.773		
6,900.0	6,741.9	7,700.6	6,741.9	24.7	55.6	-144.72	-2,629.0	-1,458.3	3,994.4	3,955.6	38.80	102.955		
7,000.0	6,841.9	7,800.6	6,841.9	24.9	55.6	-144.72	-2,629.0	-1,458.3	3,994.4	3,955.3	39.11	102.144		
7,100.0	6,941.9	7,900.6	6,941.9	25.0	55.7	-144.72	-2,629.0	-1,458.3	3,994.4	3,955.0	39.42	101.339		
7,200.0	7,041.9	8,000.6	7,041.9	25.1	55.7	-144.72	-2,629.0	-1,458.3	3,994.4	3,954.7	39.73	100.540		
7,300.0	7,141.9	8,100.6	7,141.9	25.3	55.8	-144.72	-2,629.0	-1,458.3	3,994.4	3,954.4	40.05	99.747		
7,400.0	7,241.9	8,200.6	7,241.9	25.4	55.8	-144.72	-2,629.0	-1,458.3	3,994.4	3,954.0	40.36	98.961		
7,500.0	7,341.9	8,300.6	7,341.9	25.5	55.9	-144.72	-2,629.0	-1,458.3	3,994.4	3,953.7	40.68	98.182		
7,555.1	7,397.0	8,355.7	7,397.0	25.6	55.9	-144.72	-2,629.0	-1,458.3	3,994.4	3,953.5	40.86	97.755		

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Valley Farms G - Valley Farms G 31A-14-06-92 - Wellbore #1 - Design #1		Offset Site Error:		0.0 usft
Survey Program: 0-MWD															Offset Well Error:		0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
0.0	0.0	0.0	0.0	0.0	0.0	0.23	90.0	0.4	90.0								
100.0	100.0	100.0	100.0	0.1	0.1	0.23	90.0	0.4	90.0	89.8	0.19	482.300					
200.0	200.0	200.0	200.0	0.3	0.3	0.23	90.0	0.4	90.0	89.3	0.64	141.452					
300.0	300.0	300.0	300.0	0.5	0.5	0.23	90.0	0.4	90.0	88.9	1.09	82.880					
400.0	400.0	400.0	400.0	0.8	0.8	0.23	90.0	0.4	90.0	88.4	1.54	58.611					
500.0	500.0	500.0	500.0	1.0	1.0	0.23	90.0	0.4	90.0	88.0	1.98	45.335					
600.0	600.0	600.0	600.0	1.2	1.2	0.23	90.0	0.4	90.0	87.5	2.43	36.963					
700.0	700.0	700.0	700.0	1.4	1.4	0.23	90.0	0.4	90.0	87.1	2.88	31.201					
800.0	800.0	800.0	800.0	1.7	1.7	0.23	90.0	0.4	90.0	86.6	3.33	26.993					
900.0	900.0	900.0	900.0	1.9	1.9	0.23	90.0	0.4	90.0	86.2	3.78	23.785					
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	0.23	90.0	0.4	90.0	85.7	4.23	21.259					
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	0.23	90.0	0.4	90.0	85.4	4.57	19.691	CC, ES				
1,100.0	1,100.0	1,098.7	1,098.7	2.3	2.3	-82.88	90.1	0.4	90.1	85.5	4.68	19.276					
1,175.0	1,174.9	1,169.6	1,169.6	2.5	2.5	-84.47	92.7	0.4	92.5	87.5	4.99	18.543					
1,200.0	1,199.9	1,193.2	1,193.1	2.5	2.6	-78.29	94.2	0.4	93.9	88.8	5.10	18.423					
1,300.0	1,299.3	1,287.0	1,286.4	2.8	2.8	-69.66	103.7	0.4	100.9	95.3	5.54	18.205	SF				
1,400.0	1,398.1	1,379.9	1,378.2	3.0	3.0	-70.35	118.3	0.4	110.9	104.9	6.01	18.446					
1,500.0	1,495.6	1,471.6	1,467.7	3.3	3.3	-73.85	137.8	0.4	124.8	118.3	6.54	19.070					
1,604.7	1,596.1	1,573.1	1,566.2	3.7	3.6	-79.32	162.3	0.4	141.7	134.5	7.22	19.626					
1,700.0	1,686.8	1,665.4	1,655.7	4.2	4.0	-85.91	184.7	0.4	158.3	150.3	7.93	19.949					
1,800.0	1,782.0	1,762.2	1,749.7	4.7	4.3	-91.46	208.1	0.4	177.5	168.7	8.74	20.310					
1,900.0	1,877.1	1,859.0	1,843.6	5.2	4.7	-95.92	231.5	0.4	198.0	188.4	9.59	20.656					
2,000.0	1,972.2	1,955.8	1,937.5	5.7	5.2	-99.54	254.9	0.4	219.5	209.0	10.46	20.979					
2,100.0	2,067.3	2,052.6	2,031.4	6.3	5.6	-102.51	278.3	0.4	241.7	230.3	11.36	21.272					
2,200.0	2,162.5	2,149.4	2,125.4	6.9	6.0	-104.99	301.7	0.4	264.3	252.1	12.27	21.538					
2,300.0	2,257.6	2,237.1	2,210.2	7.5	6.4	-106.76	324.0	-0.1	288.6	275.4	13.18	21.895					
2,400.0	2,352.7	2,320.2	2,289.5	8.0	6.9	-107.75	348.8	-2.1	316.9	302.8	14.10	22.480					
2,500.0	2,447.8	2,400.0	2,364.4	8.6	7.3	-108.16	376.1	-5.5	349.2	334.2	15.04	23.223					
2,600.0	2,542.9	2,480.2	2,438.3	9.2	7.9	-108.14	406.8	-10.5	385.3	369.3	16.02	24.046					
2,700.0	2,638.1	2,556.6	2,507.2	9.9	8.4	-107.81	439.1	-16.5	425.0	407.9	17.02	24.969					
2,800.0	2,733.2	2,630.2	2,572.2	10.5	9.0	-107.27	473.1	-23.6	468.1	450.0	18.02	25.970					
2,900.0	2,828.3	2,700.0	2,632.3	11.1	9.6	-106.62	507.6	-31.5	514.5	495.4	19.02	27.050					
3,000.0	2,923.4	2,768.9	2,690.1	11.7	10.3	-105.87	544.0	-40.3	564.0	544.0	20.04	28.149					
3,100.0	3,018.6	2,833.7	2,743.1	12.3	10.9	-105.09	580.3	-49.6	616.6	595.6	21.04	29.311					
3,200.0	3,113.7	2,900.0	2,795.6	12.9	11.6	-104.26	619.3	-59.9	672.1	650.1	22.05	30.484					
3,300.0	3,208.8	2,970.1	2,850.0	13.5	12.4	-103.39	662.0	-71.6	729.7	706.7	23.10	31.595					
3,400.0	3,303.9	3,051.1	2,912.8	14.1	13.3	-102.52	711.3	-85.1	787.6	763.4	24.20	32.544					
3,500.0	3,399.1	3,132.1	2,975.7	14.8	14.3	-101.77	760.6	-98.6	845.6	820.3	25.30	33.417					
3,600.0	3,494.2	3,213.1	3,038.5	15.4	15.2	-101.12	810.0	-112.1	903.7	877.3	26.41	34.222					
3,700.0	3,589.3	3,294.1	3,101.3	16.0	16.2	-100.54	859.3	-125.6	961.8	934.3	27.51	34.964					
3,800.0	3,684.4	3,375.1	3,164.1	16.6	17.2	-100.03	908.6	-139.1	1,020.0	991.4	28.61	35.648					
3,900.0	3,779.6	3,456.1	3,226.9	17.2	18.1	-99.57	957.9	-152.6	1,078.2	1,048.5	29.72	36.284					
4,000.0	3,874.7	3,537.1	3,289.7	17.9	19.1	-99.16	1,007.3	-166.1	1,136.5	1,105.7	30.82	36.876					
4,100.0	3,969.8	3,618.1	3,352.6	18.5	20.1	-98.79	1,056.6	-179.5	1,194.8	1,162.9	31.92	37.427					
4,200.0	4,064.9	3,699.1	3,415.4	19.1	21.0	-98.45	1,105.9	-193.0	1,253.2	1,220.2	33.03	37.941					
4,300.0	4,160.1	3,780.1	3,478.2	19.7	22.0	-98.15	1,155.3	-206.5	1,311.6	1,277.4	34.14	38.421					
4,400.0	4,255.2	3,861.1	3,541.0	20.4	23.0	-97.87	1,204.6	-220.0	1,370.0	1,334.7	35.24	38.871					
4,471.2	4,322.9	3,918.8	3,585.7	20.8	23.7	-97.68	1,239.7	-229.6	1,411.5	1,375.5	36.03	39.175					
4,500.0	4,350.4	3,942.2	3,603.8	21.0	24.0	-98.21	1,253.9	-233.5	1,428.3	1,391.9	36.45	39.189					
4,600.0	4,446.7	4,023.1	3,666.6	21.4	25.0	-99.89	1,303.3	-247.0	1,486.3	1,448.5	37.78	39.336					
4,700.0	4,544.2	4,103.9	3,729.3	21.8	26.0	-101.33	1,352.5	-260.5	1,543.6	1,504.6	39.05	39.528					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Valley Farms G - Valley Farms G 31A-14-06-92 - Wellbore #1 - Design #1													Offset Site Error: 0.0 usft	
Survey Program: 0-MWD													Offset Well Error: 0.0 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,800.0	4,642.8	4,184.3	3,791.6	22.1	27.0	-102.56	1,401.4	-273.9	1,600.2	1,560.0	40.24	39.769		
4,900.0	4,742.2	4,264.0	3,853.4	22.3	28.0	-103.61	1,450.0	-287.1	1,656.2	1,614.9	41.34	40.064		
5,000.0	4,842.0	4,342.9	3,914.6	22.5	28.9	-104.51	1,498.0	-300.3	1,711.5	1,669.1	42.35	40.415		
5,070.1	4,912.0	4,397.5	3,956.9	22.6	29.6	-52.17	1,531.2	-309.4	1,749.9	1,706.9	43.00	40.696		
5,100.0	4,941.9	4,420.7	3,974.9	22.6	29.9	-51.83	1,545.4	-313.2	1,766.2	1,723.1	43.13	40.948		
5,200.0	5,041.9	4,498.3	4,035.1	22.7	30.8	-50.73	1,592.6	-326.2	1,821.3	1,777.7	43.58	41.791		
5,300.0	5,141.9	4,575.8	4,095.2	22.8	31.8	-49.68	1,639.8	-339.1	1,876.8	1,832.8	44.01	42.644		
5,400.0	5,241.9	4,653.4	4,155.3	22.9	32.8	-48.69	1,687.1	-352.0	1,932.8	1,888.4	44.43	43.503		
5,500.0	5,341.9	4,730.9	4,215.5	23.0	33.7	-47.75	1,734.3	-364.9	1,989.2	1,944.4	44.83	44.368		
5,600.0	5,441.9	4,808.4	4,275.6	23.1	34.7	-46.85	1,781.5	-377.8	2,046.0	2,000.8	45.23	45.237		
5,700.0	5,541.9	4,886.0	4,335.7	23.3	35.6	-46.00	1,828.7	-390.8	2,103.2	2,057.6	45.62	46.106		
5,800.0	5,641.9	4,963.5	4,395.9	23.4	36.6	-45.19	1,876.0	-403.7	2,160.7	2,114.7	46.00	46.975		
5,900.0	5,741.9	5,042.5	4,456.1	23.5	37.6	-39.14	1,923.9	-525.0	2,176.2	2,127.5	46.65	47.727		
6,000.0	5,841.9	5,122.5	4,516.1	23.6	38.6	-39.14	1,971.9	-525.0	2,176.2	2,127.3	46.87	48.531		
6,100.0	5,941.9	5,202.5	4,576.1	23.7	39.6	-39.14	2,019.9	-525.0	2,176.2	2,127.1	46.99	49.334		
6,200.0	6,041.9	5,282.5	4,636.1	23.8	40.6	-39.14	2,067.9	-525.0	2,176.2	2,126.9	47.14	50.136		
6,300.0	6,141.9	5,362.5	4,696.1	24.0	41.6	-39.14	2,115.9	-525.0	2,176.2	2,126.6	47.31	50.937		
6,400.0	6,241.9	5,442.5	4,756.1	24.1	42.6	-39.14	2,163.9	-525.0	2,176.2	2,126.4	47.48	51.738		
6,500.0	6,341.9	5,522.5	4,816.1	24.2	43.6	-39.14	2,211.9	-525.0	2,176.2	2,126.2	47.65	52.537		
6,600.0	6,441.9	5,602.5	4,876.1	24.3	44.6	-39.14	2,259.9	-525.0	2,176.2	2,125.9	47.82	53.335		
6,700.0	6,541.9	5,682.5	4,936.1	24.5	45.6	-39.14	2,307.9	-525.0	2,176.2	2,125.7	47.99	54.133		
6,800.0	6,641.9	5,762.5	4,996.1	24.6	46.6	-39.14	2,355.9	-525.0	2,176.2	2,125.5	48.16	54.931		
6,900.0	6,741.9	5,842.5	5,056.1	24.7	47.6	-39.14	2,403.9	-525.0	2,176.2	2,125.2	48.33	55.728		
7,000.0	6,841.9	5,922.5	5,116.1	24.9	48.6	-39.14	2,451.9	-525.0	2,176.2	2,125.0	48.50	56.524		
7,100.0	6,941.9	6,002.5	5,176.1	25.0	49.6	-39.14	2,499.9	-525.0	2,176.2	2,124.7	48.67	57.320		
7,200.0	7,041.9	6,082.5	5,236.1	25.1	50.6	-39.14	2,547.9	-525.0	2,176.2	2,124.5	48.84	58.116		
7,300.0	7,141.9	6,162.5	5,296.1	25.3	51.6	-39.14	2,595.9	-525.0	2,176.2	2,124.2	49.01	58.912		
7,400.0	7,241.9	6,242.5	5,356.1	25.4	52.6	-39.14	2,643.9	-525.0	2,176.2	2,124.0	49.18	59.707		
7,500.0	7,341.9	6,322.5	5,416.1	25.5	53.6	-39.14	2,691.9	-525.0	2,176.2	2,123.7	49.35	60.502		
7,555.1	7,397.0	6,382.6	5,477.0	25.6	54.7	-39.14	2,739.9	-525.0	2,176.2	2,123.6	49.52	61.299		

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 31B-14-06-92 - Wellbore #1 - Design #1													Offset Well Error:	0.0 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	0.23	70.0	0.3	70.0					
100.0	100.0	100.0	100.0	0.1	0.1	0.23	70.0	0.3	70.0	69.8	0.19	375.123		
200.0	200.0	200.0	200.0	0.3	0.3	0.23	70.0	0.3	70.0	69.3	0.64	110.019		
300.0	300.0	300.0	300.0	0.5	0.5	0.23	70.0	0.3	70.0	68.9	1.09	64.462		
400.0	400.0	400.0	400.0	0.8	0.8	0.23	70.0	0.3	70.0	68.4	1.54	45.586		
500.0	500.0	500.0	500.0	1.0	1.0	0.23	70.0	0.3	70.0	68.0	1.98	35.261		
600.0	600.0	600.0	600.0	1.2	1.2	0.23	70.0	0.3	70.0	67.5	2.43	28.749		
700.0	700.0	700.0	700.0	1.4	1.4	0.23	70.0	0.3	70.0	67.1	2.88	24.268		
800.0	800.0	800.0	800.0	1.7	1.7	0.23	70.0	0.3	70.0	66.6	3.33	20.995		
900.0	900.0	900.0	900.0	1.9	1.9	0.23	70.0	0.3	70.0	66.2	3.78	18.500		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	0.23	70.0	0.3	70.0	65.7	4.23	16.535		
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	0.23	70.0	0.3	70.0	65.4	4.57	15.315		
1,100.0	1,100.0	1,100.0	1,100.0	2.3	2.3	-82.93	70.0	0.3	70.0	65.3	4.68	14.952		
1,108.1	1,108.1	1,107.9	1,107.9	2.4	2.4	-83.05	70.0	0.3	70.0	65.2	4.71	14.842 CC, ES		
1,175.0	1,174.9	1,173.3	1,173.3	2.5	2.5	-85.83	70.8	-0.5	70.5	65.6	4.99	14.126		
1,200.0	1,199.9	1,197.6	1,197.6	2.5	2.6	-80.55	71.5	-1.2	71.0	65.9	5.10	13.925		
1,300.0	1,299.3	1,294.1	1,293.9	2.8	2.8	-77.48	75.8	-5.5	74.0	68.5	5.55	13.351 SF		
1,400.0	1,398.1	1,387.8	1,387.0	3.0	3.0	-84.96	83.9	-11.7	82.1	76.1	6.02	13.646		
1,500.0	1,495.6	1,480.1	1,478.1	3.3	3.2	-93.65	97.0	-18.5	98.2	91.6	6.54	15.015		
1,604.7	1,596.1	1,574.7	1,570.5	3.7	3.5	-100.95	115.6	-26.4	123.3	116.2	7.15	17.251		
1,700.0	1,686.8	1,659.5	1,652.2	4.2	3.8	-106.72	136.8	-34.1	152.3	144.6	7.77	19.613		
1,800.0	1,782.0	1,747.1	1,735.3	4.7	4.2	-109.64	163.1	-42.8	187.0	178.5	8.48	22.048		
1,900.0	1,877.1	1,832.9	1,815.2	5.2	4.6	-110.64	193.1	-51.9	224.9	215.6	9.26	24.287		
2,000.0	1,972.2	1,916.6	1,891.4	5.7	5.1	-110.53	226.2	-61.3	265.7	255.6	10.10	26.309		
2,100.0	2,067.3	2,000.0	1,965.6	6.3	5.7	-109.76	263.1	-71.2	309.4	298.4	11.00	28.119		
2,200.0	2,162.5	2,082.0	2,036.9	6.9	6.4	-108.69	302.3	-81.4	355.4	343.5	11.96	29.724		
2,300.0	2,257.6	2,170.4	2,113.6	7.5	7.1	-107.75	344.9	-92.4	401.8	388.9	12.96	31.003		
2,400.0	2,352.7	2,258.8	2,190.3	8.0	7.9	-107.00	387.5	-103.4	448.3	434.3	13.98	32.055		
2,500.0	2,447.8	2,347.3	2,267.0	8.6	8.7	-106.40	430.1	-114.4	494.8	479.8	15.03	32.927		
2,600.0	2,542.9	2,435.7	2,343.7	9.2	9.5	-105.89	472.7	-125.4	541.3	525.2	16.08	33.656		
2,700.0	2,638.1	2,524.1	2,420.4	9.9	10.3	-105.47	515.3	-136.4	587.9	570.7	17.15	34.271		
2,800.0	2,733.2	2,612.5	2,497.1	10.5	11.1	-105.11	557.8	-147.4	634.5	616.2	18.23	34.797		
2,900.0	2,828.3	2,700.9	2,573.8	11.1	11.9	-104.80	600.4	-158.5	681.1	661.8	19.32	35.249		
3,000.0	2,923.4	2,789.4	2,650.5	11.7	12.7	-104.53	643.0	-169.5	727.7	707.3	20.42	35.639		
3,100.0	3,018.6	2,877.8	2,727.2	12.3	13.6	-104.29	685.6	-180.5	774.3	752.8	21.52	35.981		
3,200.0	3,113.7	2,966.2	2,803.9	12.9	14.4	-104.08	728.2	-191.5	821.0	798.3	22.63	36.281		
3,300.0	3,208.8	3,054.6	2,880.6	13.5	15.2	-103.89	770.8	-202.5	867.6	843.9	23.74	36.547		
3,400.0	3,303.9	3,143.0	2,957.3	14.1	16.1	-103.72	813.4	-213.5	914.3	889.4	24.85	36.785		
3,500.0	3,399.1	3,231.5	3,034.0	14.8	16.9	-103.56	855.9	-224.5	960.9	934.9	25.97	36.997		
3,600.0	3,494.2	3,319.9	3,110.7	15.4	17.8	-103.43	898.5	-235.5	1,007.6	980.5	27.09	37.188		
3,700.0	3,589.3	3,408.3	3,187.4	16.0	18.6	-103.30	941.1	-246.5	1,054.3	1,026.0	28.22	37.360		
3,800.0	3,684.4	3,496.7	3,264.1	16.6	19.5	-103.18	983.7	-257.5	1,100.9	1,071.6	29.34	37.517		
3,900.0	3,779.6	3,585.1	3,340.8	17.2	20.3	-103.08	1,026.3	-268.5	1,147.6	1,117.1	30.47	37.659		
4,000.0	3,874.7	3,673.6	3,417.6	17.9	21.2	-102.98	1,068.9	-279.6	1,194.3	1,162.7	31.60	37.789		
4,100.0	3,969.8	3,762.0	3,494.3	18.5	22.0	-102.89	1,111.4	-290.6	1,241.0	1,208.2	32.74	37.908		
4,200.0	4,064.9	3,850.4	3,571.0	19.1	22.9	-102.80	1,154.0	-301.6	1,287.6	1,253.8	33.87	38.018		
4,300.0	4,160.1	3,938.8	3,647.7	19.7	23.7	-102.72	1,196.6	-312.6	1,334.3	1,299.3	35.00	38.120		
4,400.0	4,255.2	4,027.2	3,724.4	20.4	24.6	-102.65	1,239.2	-323.6	1,381.0	1,344.9	36.14	38.213		
4,471.2	4,322.9	4,090.2	3,779.0	20.8	25.2	-102.60	1,269.5	-331.4	1,414.2	1,377.3	36.95	38.276		
4,500.0	4,350.4	4,115.7	3,801.1	21.0	25.4	-103.02	1,281.8	-334.6	1,427.7	1,390.3	37.35	38.223		
4,600.0	4,446.7	4,204.4	3,878.0	21.4	26.3	-104.28	1,324.5	-345.6	1,473.5	1,434.9	38.63	38.143		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design		Valley Farms G - Valley Farms G 31B-14-06-92 - Wellbore #1 - Design #1											Offset Site Error:		0.0 usft
Survey Program: 0-MWD													Offset Well Error:		0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
4,700.0	4,544.2	4,293.2	3,955.1	21.8	27.1	-105.30	1,367.3	-356.7	1,518.3	1,478.4	39.83	38.123			
4,800.0	4,642.8	4,381.9	4,032.0	22.1	28.0	-106.09	1,410.0	-367.8	1,561.9	1,521.0	40.92	38.165			
4,900.0	4,742.2	4,470.3	4,108.7	22.3	28.9	-106.67	1,452.6	-378.8	1,604.4	1,562.5	41.92	38.272			
5,000.0	4,842.0	4,558.0	4,184.8	22.5	29.7	-107.08	1,494.8	-389.7	1,645.8	1,603.0	42.81	38.445			
5,070.1	4,912.0	4,619.0	4,237.8	22.6	30.3	-54.39	1,524.2	-397.3	1,674.3	1,630.9	43.37	38.607			
5,100.0	4,941.9	4,645.0	4,260.3	22.6	30.6	-54.08	1,536.7	-400.5	1,686.4	1,642.9	43.51	38.762			
5,200.0	5,041.9	4,731.8	4,335.5	22.7	31.4	-53.08	1,578.5	-411.3	1,727.0	1,683.1	43.97	39.281			
5,300.0	5,141.9	4,818.5	4,410.8	22.8	32.2	-52.12	1,620.3	-422.1	1,768.2	1,723.7	44.42	39.810			
5,400.0	5,241.9	4,905.3	4,486.0	22.9	33.1	-51.21	1,662.1	-432.9	1,809.7	1,764.9	44.85	40.347			
5,500.0	5,341.9	4,992.0	4,561.3	23.0	33.9	-50.33	1,703.9	-443.7	1,851.7	1,806.4	45.28	40.891			
5,600.0	5,441.9	5,078.8	4,636.6	23.1	34.8	-49.48	1,745.6	-454.5	1,894.0	1,848.3	45.70	41.441			
5,700.0	5,541.9	5,165.5	4,711.8	23.3	35.6	-48.67	1,787.4	-465.3	1,936.7	1,890.6	46.12	41.994			
5,800.0	5,641.9	5,252.2	4,784.8	23.4	36.5	-48.88	2,009.0	-522.6	1,943.4	1,895.6	47.82	40.638			
5,900.0	5,741.9	5,339.0	4,857.8	23.5	39.6	-44.88	2,009.0	-522.6	1,943.4	1,895.4	48.04	40.456			
6,000.0	5,841.9	5,425.8	4,930.8	23.6	39.6	-44.88	2,009.0	-522.6	1,943.4	1,895.2	48.26	40.273			
6,100.0	5,941.9	5,512.6	5,003.8	23.7	39.7	-44.88	2,009.0	-522.6	1,943.4	1,894.9	48.48	40.088			
6,200.0	6,041.9	5,599.4	5,076.8	23.8	39.8	-44.88	2,009.0	-522.6	1,943.4	1,894.7	48.70	39.903			
6,300.0	6,141.9	5,686.2	5,149.8	24.0	39.8	-44.88	2,009.0	-522.6	1,943.4	1,894.5	48.93	39.717			
6,400.0	6,241.9	5,773.0	5,222.8	24.1	39.9	-44.88	2,009.0	-522.6	1,943.4	1,894.2	49.16	39.530			
6,500.0	6,341.9	5,859.8	5,341.9	24.2	40.0	-44.88	2,009.0	-522.6	1,943.4	1,894.0	49.40	39.343			
6,600.0	6,441.9	5,946.6	5,441.9	24.3	40.0	-44.88	2,009.0	-522.6	1,943.4	1,893.8	49.63	39.155			
6,700.0	6,541.9	6,033.4	5,541.9	24.5	40.1	-44.88	2,009.0	-522.6	1,943.4	1,893.5	49.87	38.967			
6,800.0	6,641.9	6,120.2	5,641.9	24.6	40.2	-44.88	2,009.0	-522.6	1,943.4	1,893.3	50.12	38.778			
6,900.0	6,741.9	6,207.0	5,741.9	24.7	40.3	-44.88	2,009.0	-522.6	1,943.4	1,893.0	50.36	38.589			
7,000.0	6,841.9	6,293.8	5,841.9	24.9	40.3	-44.88	2,009.0	-522.6	1,943.4	1,892.8	50.61	38.399			
7,100.0	6,941.9	6,380.6	5,941.9	25.0	40.4	-44.88	2,009.0	-522.6	1,943.4	1,892.5	50.86	38.209			
7,200.0	7,041.9	6,467.4	6,041.9	25.1	40.5	-44.88	2,009.0	-522.6	1,943.4	1,892.3	51.12	38.019			
7,300.0	7,141.9	6,554.2	6,141.9	25.3	40.6	-44.88	2,009.0	-522.6	1,943.4	1,892.0	51.37	37.830			
7,400.0	7,241.9	6,641.0	6,241.9	25.4	40.7	-44.88	2,009.0	-522.6	1,943.4	1,891.8	51.63	37.640			
7,500.0	7,341.9	6,736.8	6,341.9	25.5	40.7	-44.88	2,009.0	-522.6	1,943.4	1,891.5	51.89	37.450			
7,555.1	7,397.0	6,891.9	6,397.0	25.6	40.8	-44.88	2,009.0	-522.6	1,943.4	1,891.4	52.04	37.345			

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Valley Farms G - Valley Farms G 31C-14-06-92 - Wellbore #1 - Design #1		Offset Site Error: 0.0 usft	
Survey Program: 0-MWD															Offset Well Error: 0.0 usft	
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
0.0	0.0	0.0	0.0	0.0	0.0	0.23	40.0	0.2	40.0							
100.0	100.0	100.0	100.0	0.1	0.1	0.23	40.0	0.2	40.0	39.8	0.19	214.356				
200.0	200.0	200.0	200.0	0.3	0.3	0.23	40.0	0.2	40.0	39.4	0.64	62.868				
300.0	300.0	300.0	300.0	0.5	0.5	0.23	40.0	0.2	40.0	38.9	1.09	36.836				
400.0	400.0	400.0	400.0	0.8	0.8	0.23	40.0	0.2	40.0	38.5	1.54	26.049				
500.0	500.0	500.0	500.0	1.0	1.0	0.23	40.0	0.2	40.0	38.0	1.98	20.149				
600.0	600.0	600.0	600.0	1.2	1.2	0.23	40.0	0.2	40.0	37.6	2.43	16.428				
700.0	700.0	700.0	700.0	1.4	1.4	0.23	40.0	0.2	40.0	37.1	2.88	13.867				
800.0	800.0	800.0	800.0	1.7	1.7	0.23	40.0	0.2	40.0	36.7	3.33	11.997				
900.0	900.0	900.0	900.0	1.9	1.9	0.23	40.0	0.2	40.0	36.2	3.78	10.571				
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	0.23	40.0	0.2	40.0	35.8	4.23	9.449				
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	0.23	40.0	0.2	40.0	35.4	4.57	8.751				
1,100.0	1,100.0	1,100.0	1,100.0	2.3	2.3	-83.04	40.0	0.2	40.0	35.3	4.68	8.542				
1,159.7	1,159.7	1,159.5	1,159.5	2.5	2.5	-85.93	40.0	0.1	39.8	34.9	4.93	8.065 CC				
1,175.0	1,174.9	1,174.6	1,174.6	2.5	2.5	-87.29	40.1	0.0	39.8	34.8	5.00	7.971 ES				
1,200.0	1,199.9	1,199.1	1,199.1	2.5	2.6	-83.08	40.4	-0.4	40.1	35.0	5.11	7.847 SF				
1,300.0	1,299.3	1,295.9	1,295.7	2.8	2.8	-85.08	44.9	-3.2	44.0	38.4	5.55	7.923				
1,400.0	1,398.1	1,391.5	1,390.7	3.0	3.0	-95.64	54.7	-7.3	55.3	49.3	6.03	9.172				
1,500.0	1,495.6	1,485.4	1,483.3	3.3	3.2	-104.49	69.6	-12.8	74.7	68.2	6.54	11.427				
1,604.7	1,596.1	1,581.5	1,576.9	3.7	3.5	-110.31	90.2	-19.7	102.9	95.8	7.14	14.408				
1,700.0	1,686.8	1,667.2	1,659.2	4.2	3.9	-114.38	112.9	-27.0	133.8	126.1	7.77	17.227				
1,800.0	1,782.0	1,755.4	1,742.4	4.7	4.2	-115.67	140.7	-35.6	169.8	161.3	8.51	19.961				
1,900.0	1,877.1	1,841.3	1,821.9	5.2	4.7	-115.43	171.8	-45.1	208.8	199.5	9.31	22.419				
2,000.0	1,972.2	1,928.3	1,900.8	5.7	5.3	-114.47	207.0	-55.6	250.5	240.3	10.20	24.563				
2,100.0	2,067.3	2,018.9	1,982.7	6.3	5.9	-113.64	244.2	-66.6	292.7	281.5	11.13	26.296				
2,200.0	2,162.5	2,109.5	2,064.6	6.9	6.5	-113.02	281.4	-77.7	334.9	322.8	12.09	27.693				
2,300.0	2,257.6	2,200.2	2,146.5	7.5	7.2	-112.54	318.5	-88.7	377.1	364.0	13.08	28.827				
2,400.0	2,352.7	2,290.8	2,228.4	8.0	7.9	-112.15	355.7	-99.8	419.3	405.2	14.09	29.756				
2,500.0	2,447.8	2,381.4	2,310.3	8.6	8.6	-111.84	392.9	-110.8	461.6	446.5	15.12	30.529				
2,600.0	2,542.9	2,472.0	2,392.1	9.2	9.3	-111.58	430.1	-121.9	503.9	487.7	16.16	31.180				
2,700.0	2,638.1	2,562.6	2,474.0	9.9	10.0	-111.36	467.2	-132.9	546.1	528.9	17.21	31.733				
2,800.0	2,733.2	2,653.2	2,555.9	10.5	10.7	-111.17	504.4	-144.0	588.4	570.1	18.27	32.206				
2,900.0	2,828.3	2,743.8	2,637.8	11.1	11.5	-111.00	541.6	-155.0	630.7	611.4	19.34	32.615				
3,000.0	2,923.4	2,834.4	2,719.7	11.7	12.2	-110.86	578.7	-166.1	673.0	652.6	20.41	32.972				
3,100.0	3,018.6	2,925.0	2,801.6	12.3	12.9	-110.73	615.9	-177.1	715.3	693.8	21.49	33.284				
3,200.0	3,113.7	3,015.6	2,883.5	12.9	13.7	-110.62	653.1	-188.2	757.6	735.0	22.57	33.560				
3,300.0	3,208.8	3,106.2	2,965.4	13.5	14.4	-110.52	690.3	-199.2	799.9	776.2	23.66	33.804				
3,400.0	3,303.9	3,196.8	3,047.2	14.1	15.2	-110.43	727.4	-210.3	842.2	817.4	24.75	34.023				
3,500.0	3,399.1	3,287.4	3,129.1	14.8	15.9	-110.35	764.6	-221.3	884.5	858.6	25.85	34.219				
3,600.0	3,494.2	3,378.0	3,211.0	15.4	16.7	-110.27	801.8	-232.4	926.8	899.8	26.94	34.395				
3,700.0	3,589.3	3,468.6	3,292.9	16.0	17.4	-110.21	838.9	-243.4	969.1	941.0	28.04	34.555				
3,800.0	3,684.4	3,559.3	3,374.8	16.6	18.2	-110.14	876.1	-254.5	1,011.4	982.2	29.15	34.701				
3,900.0	3,779.6	3,649.9	3,456.7	17.2	18.9	-110.09	913.3	-265.5	1,053.7	1,023.4	30.25	34.833				
4,000.0	3,874.7	3,740.5	3,538.6	17.9	19.7	-110.03	950.5	-276.6	1,096.0	1,064.6	31.35	34.955				
4,100.0	3,969.8	3,831.1	3,620.5	18.5	20.4	-109.99	987.6	-287.6	1,138.3	1,105.8	32.46	35.066				
4,200.0	4,064.9	3,921.7	3,702.4	19.1	21.2	-109.94	1,024.8	-298.7	1,180.6	1,147.0	33.57	35.169				
4,300.0	4,160.1	4,012.3	3,784.2	19.7	21.9	-109.90	1,062.0	-309.7	1,222.9	1,188.2	34.68	35.264				
4,400.0	4,255.2	4,102.9	3,866.1	20.4	22.7	-109.86	1,099.1	-320.8	1,265.2	1,229.4	35.79	35.352				
4,471.2	4,322.9	4,167.4	3,924.4	20.8	23.2	-109.83	1,125.6	-328.6	1,295.3	1,258.7	36.58	35.411				
4,500.0	4,350.4	4,193.5	3,948.0	21.0	23.5	-110.19	1,136.3	-331.8	1,307.4	1,270.5	36.95	35.382				
4,600.0	4,446.7	4,284.6	4,030.4	21.4	24.2	-111.24	1,173.7	-342.9	1,348.5	1,310.3	38.14	35.357				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Valley Farms G - Valley Farms G 31C-14-06-92 - Wellbore #1 - Design #1		Offset Site Error:		0.0 usft
Survey Program: 0-MWD															Offset Well Error:		0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	(usft)	(usft)	(usft)						
4,700.0	4,544.2	4,376.1	4,113.0	21.8	25.0	-112.01	1,211.2	-354.1	1,387.8	1,348.5	39.24	35.367					
4,800.0	4,642.8	4,467.7	4,195.8	22.1	25.7	-112.53	1,248.8	-365.3	1,425.4	1,385.1	40.25	35.416					
4,900.0	4,742.2	4,559.2	4,278.5	22.3	26.5	-112.83	1,286.3	-376.4	1,461.3	1,420.1	41.15	35.509					
5,000.0	4,842.0	4,650.3	4,360.9	22.5	27.3	-112.94	1,323.7	-387.5	1,495.6	1,453.6	41.95	35.649					
5,070.1	4,912.0	4,713.8	4,418.3	22.6	27.8	-60.01	1,349.8	-395.3	1,518.7	1,476.3	42.45	35.778					
5,100.0	4,941.9	4,740.9	4,442.7	22.6	28.0	-59.69	1,360.9	-398.6	1,528.5	1,485.9	42.60	35.879					
5,200.0	5,041.9	4,831.2	4,524.4	22.7	28.8	-58.67	1,398.0	-409.6	1,561.4	1,518.3	43.11	36.220					
5,300.0	5,141.9	4,921.6	4,606.1	22.8	29.6	-57.68	1,435.0	-420.6	1,594.8	1,551.2	43.60	36.576					
5,400.0	5,241.9	5,065.5	4,736.9	22.9	30.6	-56.22	1,492.5	-437.7	1,628.0	1,583.8	44.21	36.829					
5,500.0	5,341.9	5,319.9	4,976.6	23.0	32.0	-54.30	1,573.8	-461.9	1,654.7	1,609.8	44.94	36.817					
5,600.0	5,441.9	5,593.3	5,243.6	23.1	32.9	-53.07	1,629.2	-478.3	1,671.8	1,626.2	45.57	36.687					
5,700.0	5,541.9	5,877.7	5,526.9	23.3	33.5	-52.62	1,650.8	-484.8	1,678.2	1,632.2	46.04	36.450					
5,800.0	5,641.9	5,992.8	5,641.9	23.4	33.5	-52.61	1,650.9	-484.8	1,678.2	1,632.0	46.27	36.267					
5,900.0	5,741.9	6,092.8	5,741.9	23.5	33.6	-52.61	1,650.9	-484.8	1,678.2	1,631.7	46.50	36.093					
6,000.0	5,841.9	6,192.8	5,841.9	23.6	33.7	-52.61	1,650.9	-484.8	1,678.2	1,631.5	46.72	35.918					
6,100.0	5,941.9	6,292.8	5,941.9	23.7	33.8	-52.61	1,650.9	-484.8	1,678.2	1,631.3	46.95	35.742					
6,200.0	6,041.9	6,392.8	6,041.9	23.8	33.9	-52.61	1,650.9	-484.8	1,678.2	1,631.0	47.19	35.566					
6,300.0	6,141.9	6,492.8	6,141.9	24.0	33.9	-52.61	1,650.9	-484.8	1,678.2	1,630.8	47.42	35.389					
6,400.0	6,241.9	6,592.8	6,241.9	24.1	34.0	-52.61	1,650.9	-484.8	1,678.2	1,630.6	47.66	35.211					
6,500.0	6,341.9	6,692.8	6,341.9	24.2	34.1	-52.61	1,650.9	-484.8	1,678.2	1,630.3	47.90	35.033					
6,600.0	6,441.9	6,792.8	6,441.9	24.3	34.2	-52.61	1,650.9	-484.8	1,678.2	1,630.1	48.15	34.855					
6,700.0	6,541.9	6,892.8	6,541.9	24.5	34.3	-52.61	1,650.9	-484.8	1,678.2	1,629.8	48.40	34.677					
6,800.0	6,641.9	6,992.8	6,641.9	24.6	34.4	-52.61	1,650.9	-484.8	1,678.2	1,629.6	48.65	34.498					
6,900.0	6,741.9	7,092.8	6,741.9	24.7	34.5	-52.61	1,650.9	-484.8	1,678.2	1,629.3	48.90	34.319					
7,000.0	6,841.9	7,192.8	6,841.9	24.9	34.5	-52.61	1,650.9	-484.8	1,678.2	1,629.1	49.16	34.140					
7,100.0	6,941.9	7,292.8	6,941.9	25.0	34.6	-52.61	1,650.9	-484.8	1,678.2	1,628.8	49.42	33.960					
7,200.0	7,041.9	7,392.8	7,041.9	25.1	34.7	-52.61	1,650.9	-484.8	1,678.2	1,628.5	49.68	33.781					
7,300.0	7,141.9	7,492.8	7,141.9	25.3	34.8	-52.61	1,650.9	-484.8	1,678.2	1,628.3	49.94	33.602					
7,400.0	7,241.9	7,592.8	7,241.9	25.4	34.9	-52.61	1,650.9	-484.8	1,678.2	1,628.0	50.21	33.423					
7,500.0	7,341.9	7,692.8	7,341.9	25.5	35.0	-52.61	1,650.9	-484.8	1,678.2	1,627.7	50.48	33.245					
7,555.1	7,397.0	7,747.8	7,397.0	25.6	35.1	-52.61	1,650.9	-484.8	1,678.2	1,627.6	50.63	33.146					

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design														Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 31D-14-06-92 - Wellbore #1 - Design #1														Offset Well Error:	0.0 usft
Survey Program: 0-MWD															
Reference		Offset		Semi Major Axis			Distance								
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	0.23	10.0	0.0	10.0						
100.0	100.0	100.0	100.0	0.1	0.1	0.23	10.0	0.0	10.0	9.8	0.19	53.590			
200.0	200.0	200.0	200.0	0.3	0.3	0.23	10.0	0.0	10.0	9.4	0.64	15.717			
300.0	300.0	300.0	300.0	0.5	0.5	0.23	10.0	0.0	10.0	8.9	1.09	9.209			
400.0	400.0	400.0	400.0	0.8	0.8	0.23	10.0	0.0	10.0	8.5	1.54	6.512			
500.0	500.0	500.0	500.0	1.0	1.0	0.23	10.0	0.0	10.0	8.0	1.98	5.037			
600.0	600.0	600.0	600.0	1.2	1.2	0.23	10.0	0.0	10.0	7.6	2.43	4.107			
700.0	700.0	700.0	700.0	1.4	1.4	0.23	10.0	0.0	10.0	7.1	2.88	3.467			
800.0	800.0	800.0	800.0	1.7	1.7	0.23	10.0	0.0	10.0	6.7	3.33	2.999			
900.0	900.0	900.0	900.0	1.9	1.9	0.23	10.0	0.0	10.0	6.2	3.78	2.643			
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	0.23	10.0	0.0	10.0	5.8	4.23	2.362			
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	0.23	10.0	0.0	10.0	5.4	4.57	2.188			
1,100.0	1,100.0	1,100.0	1,100.0	2.3	2.3	-83.86	10.0	0.0	10.0	5.3	4.68	2.132			
1,139.2	1,139.2	1,139.2	1,139.2	2.4	2.4	-90.00	10.0	0.0	9.9	5.1	4.85	2.046 CC, ES			
1,175.0	1,174.9	1,174.9	1,174.9	2.5	2.5	-100.24	10.0	0.0	10.1	5.1	5.00	2.016 SF			
1,200.0	1,199.9	1,199.9	1,199.9	2.5	2.6	-102.39	10.0	0.0	10.4	5.3	5.11	2.036			
1,300.0	1,299.3	1,299.2	1,299.2	2.8	2.8	-128.54	10.7	0.0	15.3	9.8	5.54	2.759			
1,400.0	1,398.1	1,397.6	1,397.4	3.0	3.0	-138.74	16.6	-0.2	28.3	22.3	5.97	4.739			
1,500.0	1,495.6	1,494.4	1,493.5	3.3	3.2	-140.10	27.7	-2.5	48.4	42.0	6.41	7.554			
1,604.7	1,596.1	1,593.5	1,591.1	3.7	3.5	-139.02	44.4	-7.1	76.6	69.7	6.93	11.058			
1,700.0	1,686.8	1,681.9	1,677.1	4.2	3.8	-138.23	63.9	-13.3	106.5	99.0	7.51	14.191			
1,800.0	1,782.0	1,772.7	1,764.2	4.7	4.1	-135.83	88.3	-21.5	140.3	132.1	8.21	17.099			
1,900.0	1,877.1	1,861.2	1,847.5	5.2	4.5	-132.91	116.3	-31.4	176.9	167.9	8.99	19.662			
2,000.0	1,972.2	1,946.8	1,926.5	5.7	5.0	-129.90	147.3	-42.7	216.4	206.6	9.86	21.957			
2,100.0	2,067.3	2,033.3	2,004.8	6.3	5.5	-126.98	181.8	-55.5	258.9	248.1	10.79	23.983			
2,200.0	2,162.5	2,122.9	2,085.6	6.9	6.1	-124.70	218.1	-69.1	302.1	290.3	11.77	25.672			
2,300.0	2,257.6	2,212.6	2,166.4	7.5	6.8	-122.99	254.4	-82.6	345.6	332.8	12.76	27.089			
2,400.0	2,352.7	2,302.2	2,247.2	8.0	7.4	-121.66	290.6	-96.1	389.3	375.5	13.77	28.281			
2,500.0	2,447.8	2,391.8	2,328.0	8.6	8.1	-120.59	326.9	-109.6	433.1	418.4	14.79	29.290			
2,600.0	2,542.9	2,481.4	2,408.9	9.2	8.8	-119.72	363.2	-123.2	477.1	461.3	15.82	30.155			
2,700.0	2,638.1	2,571.0	2,489.7	9.9	9.5	-119.00	399.5	-136.7	521.1	504.2	16.86	30.902			
2,800.0	2,733.2	2,660.6	2,570.5	10.5	10.2	-118.39	435.7	-150.2	565.2	547.3	17.91	31.553			
2,900.0	2,828.3	2,750.2	2,651.3	11.1	11.0	-117.86	472.0	-163.7	609.3	590.3	18.97	32.124			
3,000.0	2,923.4	2,839.8	2,732.1	11.7	11.7	-117.41	508.3	-177.3	653.5	633.4	20.03	32.627			
3,100.0	3,018.6	2,929.4	2,812.9	12.3	12.4	-117.02	544.5	-190.8	697.6	676.6	21.09	33.075			
3,200.0	3,113.7	3,019.1	2,893.8	12.9	13.2	-116.67	580.8	-204.3	741.9	719.7	22.16	33.474			
3,300.0	3,208.8	3,108.7	2,974.6	13.5	13.9	-116.36	617.1	-217.8	786.1	762.8	23.23	33.832			
3,400.0	3,303.9	3,198.3	3,055.4	14.1	14.7	-116.08	653.4	-231.3	830.3	806.0	24.31	34.155			
3,500.0	3,399.1	3,287.9	3,136.2	14.8	15.4	-115.84	689.6	-244.9	874.6	849.2	25.39	34.448			
3,600.0	3,494.2	3,377.5	3,217.0	15.4	16.2	-115.61	725.9	-258.4	918.9	892.4	26.47	34.714			
3,700.0	3,589.3	3,467.1	3,297.9	16.0	16.9	-115.41	762.2	-271.9	963.1	935.6	27.55	34.956			
3,800.0	3,684.4	3,556.7	3,378.7	16.6	17.7	-115.22	798.4	-285.4	1,007.4	978.8	28.64	35.179			
3,900.0	3,779.6	3,646.3	3,459.5	17.2	18.4	-115.05	834.7	-299.0	1,051.7	1,022.0	29.72	35.384			
4,000.0	3,874.7	3,735.9	3,540.3	17.9	19.2	-114.89	871.0	-312.5	1,096.0	1,065.2	30.81	35.572			
4,100.0	3,969.8	3,825.6	3,621.1	18.5	19.9	-114.75	907.3	-326.0	1,140.3	1,108.4	31.90	35.747			
4,200.0	4,064.9	3,915.2	3,701.9	19.1	20.7	-114.62	943.5	-339.5	1,184.7	1,151.7	32.99	35.909			
4,300.0	4,160.1	4,004.8	3,782.8	19.7	21.4	-114.49	979.8	-353.1	1,229.0	1,194.9	34.08	36.059			
4,400.0	4,255.2	4,094.4	3,863.6	20.4	22.2	-114.38	1,016.1	-366.6	1,273.3	1,238.1	35.17	36.199			
4,471.2	4,322.9	4,158.2	3,921.1	20.8	22.7	-114.30	1,041.9	-376.2	1,304.9	1,268.9	35.95	36.293			
4,500.0	4,350.4	4,184.0	3,944.4	21.0	23.0	-114.65	1,052.4	-380.1	1,317.6	1,281.2	36.32	36.274			
4,600.0	4,446.7	4,274.2	4,025.8	21.4	23.7	-115.66	1,088.9	-393.7	1,360.3	1,322.8	37.50	36.275			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Valley Farms G - Valley Farms G 31D-14-06-92 - Wellbore #1 - Design #1													Offset Site Error: 0.0 usft	
Survey Program: 0-MWD													Offset Well Error: 0.0 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,700.0	4,544.2	4,364.9	4,107.6	21.8	24.5	-116.39	1,125.6	-407.4	1,401.1	1,362.5	38.60	36.300		
4,800.0	4,642.8	4,505.4	4,235.1	22.1	25.6	-116.56	1,180.6	-427.9	1,439.2	1,399.4	39.81	36.153		
4,900.0	4,742.2	4,719.0	4,436.2	22.3	26.7	-116.23	1,248.0	-453.1	1,468.9	1,427.9	40.98	35.844		
5,000.0	4,842.0	4,946.3	4,657.4	22.5	27.6	-115.87	1,296.1	-471.0	1,488.3	1,446.5	41.88	35.539		
5,070.1	4,912.0	5,111.0	4,820.8	22.6	28.0	-62.74	1,315.5	-478.2	1,495.4	1,453.1	42.31	35.340		
5,100.0	4,941.9	5,182.3	4,891.9	22.6	28.1	-62.63	1,319.7	-479.8	1,496.8	1,454.4	42.44	35.271		
5,200.0	5,041.9	5,332.3	5,041.9	22.7	28.3	-62.58	1,321.5	-480.5	1,497.4	1,454.7	42.71	35.063		
5,300.0	5,141.9	5,432.3	5,141.9	22.8	28.3	-62.58	1,321.5	-480.5	1,497.4	1,454.5	42.92	34.888		
5,400.0	5,241.9	5,532.3	5,241.9	22.9	28.4	-62.58	1,321.5	-480.5	1,497.4	1,454.3	43.14	34.711		
5,500.0	5,341.9	5,632.3	5,341.9	23.0	28.5	-62.58	1,321.5	-480.5	1,497.4	1,454.0	43.36	34.534		
5,600.0	5,441.9	5,732.3	5,441.9	23.1	28.6	-62.58	1,321.5	-480.5	1,497.4	1,453.8	43.59	34.355		
5,700.0	5,541.9	5,832.3	5,541.9	23.3	28.7	-62.58	1,321.5	-480.5	1,497.4	1,453.6	43.82	34.176		
5,800.0	5,641.9	5,932.3	5,641.9	23.4	28.8	-62.58	1,321.5	-480.5	1,497.4	1,453.4	44.05	33.995		
5,900.0	5,741.9	6,032.3	5,741.9	23.5	28.9	-62.58	1,321.5	-480.5	1,497.4	1,453.1	44.28	33.814		
6,000.0	5,841.9	6,132.3	5,841.9	23.6	29.0	-62.58	1,321.5	-480.5	1,497.4	1,452.9	44.52	33.633		
6,100.0	5,941.9	6,232.3	5,941.9	23.7	29.1	-62.58	1,321.5	-480.5	1,497.4	1,452.6	44.76	33.451		
6,200.0	6,041.9	6,332.3	6,041.9	23.8	29.2	-62.58	1,321.5	-480.5	1,497.4	1,452.4	45.01	33.269		
6,300.0	6,141.9	6,432.3	6,141.9	24.0	29.3	-62.58	1,321.5	-480.5	1,497.4	1,452.2	45.26	33.086		
6,400.0	6,241.9	6,532.3	6,241.9	24.1	29.4	-62.58	1,321.5	-480.5	1,497.4	1,451.9	45.51	32.903		
6,500.0	6,341.9	6,632.3	6,341.9	24.2	29.5	-62.58	1,321.5	-480.5	1,497.4	1,451.6	45.76	32.720		
6,600.0	6,441.9	6,732.3	6,441.9	24.3	29.6	-62.58	1,321.5	-480.5	1,497.4	1,451.4	46.02	32.537		
6,700.0	6,541.9	6,832.3	6,541.9	24.5	29.7	-62.58	1,321.5	-480.5	1,497.4	1,451.1	46.28	32.354		
6,800.0	6,641.9	6,932.3	6,641.9	24.6	29.8	-62.58	1,321.5	-480.5	1,497.4	1,450.9	46.55	32.171		
6,900.0	6,741.9	7,032.3	6,741.9	24.7	29.9	-62.58	1,321.5	-480.5	1,497.4	1,450.6	46.81	31.988		
7,000.0	6,841.9	7,132.3	6,841.9	24.9	30.0	-62.58	1,321.5	-480.5	1,497.4	1,450.3	47.08	31.805		
7,100.0	6,941.9	7,232.3	6,941.9	25.0	30.1	-62.58	1,321.5	-480.5	1,497.4	1,450.1	47.35	31.623		
7,200.0	7,041.9	7,332.3	7,041.9	25.1	30.2	-62.58	1,321.5	-480.5	1,497.4	1,449.8	47.63	31.441		
7,300.0	7,141.9	7,432.3	7,141.9	25.3	30.3	-62.58	1,321.5	-480.5	1,497.4	1,449.5	47.90	31.259		
7,400.0	7,241.9	7,532.3	7,241.9	25.4	30.4	-62.58	1,321.5	-480.5	1,497.4	1,449.2	48.18	31.077		
7,500.0	7,341.9	7,632.3	7,341.9	25.5	30.5	-62.58	1,321.5	-480.5	1,497.4	1,448.9	48.47	30.896		
7,555.1	7,397.0	7,687.4	7,397.0	25.6	30.6	-62.58	1,321.5	-480.5	1,497.4	1,448.8	48.62	30.797		

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 32A-14-06-92 - Wellbore #1 - Design #1													Offset Well Error:	0.0 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-179.77	-20.0	-0.1	20.0					
100.0	100.0	100.0	100.0	0.1	0.1	-179.77	-20.0	-0.1	20.0	19.8	0.19	107.177		
200.0	200.0	200.0	200.0	0.3	0.3	-179.77	-20.0	-0.1	20.0	19.4	0.64	31.434		
300.0	300.0	300.0	300.0	0.5	0.5	-179.77	-20.0	-0.1	20.0	18.9	1.09	18.418		
400.0	400.0	400.0	400.0	0.8	0.8	-179.77	-20.0	-0.1	20.0	18.5	1.54	13.024		
500.0	500.0	500.0	500.0	1.0	1.0	-179.77	-20.0	-0.1	20.0	18.0	1.98	10.074		
600.0	600.0	600.0	600.0	1.2	1.2	-179.77	-20.0	-0.1	20.0	17.6	2.43	8.214		
700.0	700.0	700.0	700.0	1.4	1.4	-179.77	-20.0	-0.1	20.0	17.1	2.88	6.934		
800.0	800.0	800.0	800.0	1.7	1.7	-179.77	-20.0	-0.1	20.0	16.7	3.33	5.998		
900.0	900.0	900.0	900.0	1.9	1.9	-179.77	-20.0	-0.1	20.0	16.2	3.78	5.286		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-179.77	-20.0	-0.1	20.0	15.8	4.23	4.724		
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	-179.77	-20.0	-0.1	20.0	15.4	4.57	4.376		
1,100.0	1,100.0	1,100.2	1,100.2	2.3	2.3	97.55	-19.9	0.0	19.9	15.2	4.68	4.259		
1,175.0	1,174.9	1,175.6	1,175.6	2.5	2.5	102.65	-18.5	1.2	18.9	13.9	5.00	3.791		
1,200.0	1,199.9	1,200.7	1,200.7	2.5	2.6	112.79	-17.6	1.9	18.5	13.4	5.10	3.630		
1,248.9	1,248.5	1,249.8	1,249.7	2.7	2.7	128.39	-15.4	3.8	18.2	12.9	5.32	3.418 CC, ES		
1,300.0	1,299.3	1,301.2	1,300.9	2.8	2.8	142.03	-12.3	6.4	18.6	13.1	5.54	3.363 SF		
1,400.0	1,398.1	1,401.1	1,400.4	3.0	3.0	163.99	-4.7	12.4	23.3	17.4	5.93	3.930		
1,500.0	1,495.6	1,499.7	1,498.3	3.3	3.2	-176.77	5.8	15.4	36.1	29.8	6.31	5.719		
1,604.7	1,596.1	1,600.0	1,597.5	3.7	3.5	-163.52	20.6	13.9	59.5	52.7	6.76	8.794		
1,700.0	1,686.8	1,689.3	1,685.0	4.2	3.7	-156.82	37.3	8.8	86.9	79.6	7.31	11.888		
1,800.0	1,782.0	1,780.0	1,773.0	4.7	4.0	-151.19	57.6	0.1	119.5	111.5	7.97	14.983		
1,900.0	1,877.1	1,871.5	1,860.8	5.2	4.4	-146.74	80.5	-11.6	155.2	146.5	8.71	17.827		
2,000.0	1,972.2	1,964.3	1,949.8	5.7	4.8	-143.85	103.9	-23.5	191.7	182.2	9.48	20.223		
2,100.0	2,067.3	2,057.0	2,038.7	6.3	5.2	-141.88	127.4	-35.5	228.5	218.2	10.28	22.234		
2,200.0	2,162.5	2,149.8	2,127.7	6.9	5.6	-140.45	150.8	-47.4	265.4	254.3	11.09	23.924		
2,300.0	2,257.6	2,242.5	2,216.6	7.5	6.1	-139.38	174.2	-59.4	302.5	290.6	11.93	25.357		
2,400.0	2,352.7	2,335.3	2,305.6	8.0	6.5	-138.53	197.6	-71.3	339.6	326.8	12.78	26.571		
2,500.0	2,447.8	2,428.0	2,394.5	8.6	7.0	-137.86	221.1	-83.3	376.8	363.1	13.64	27.618		
2,600.0	2,542.9	2,520.8	2,483.5	9.2	7.5	-137.30	244.5	-95.2	414.0	399.5	14.51	28.524		
2,700.0	2,638.1	2,613.5	2,572.4	9.9	8.0	-136.84	267.9	-107.2	451.2	435.8	15.39	29.314		
2,800.0	2,733.2	2,706.3	2,661.3	10.5	8.5	-136.44	291.3	-119.1	488.5	472.2	16.28	30.006		
2,900.0	2,828.3	2,799.0	2,750.3	11.1	9.0	-136.11	314.7	-131.1	525.8	508.6	17.17	30.618		
3,000.0	2,923.4	2,891.8	2,839.2	11.7	9.5	-135.81	338.2	-143.0	563.1	545.0	18.07	31.160		
3,100.0	3,018.6	2,984.5	2,928.2	12.3	10.0	-135.56	361.6	-155.0	600.4	581.4	18.97	31.645		
3,200.0	3,113.7	3,077.3	3,017.1	12.9	10.5	-135.33	385.0	-167.0	637.7	617.8	19.88	32.081		
3,300.0	3,208.8	3,170.0	3,106.1	13.5	11.0	-135.13	408.4	-178.9	675.0	654.2	20.79	32.473		
3,400.0	3,303.9	3,262.8	3,195.0	14.1	11.5	-134.95	431.8	-190.9	712.3	690.6	21.70	32.829		
3,500.0	3,399.1	3,355.5	3,284.0	14.8	12.1	-134.79	455.3	-202.8	749.7	727.0	22.61	33.153		
3,600.0	3,494.2	3,448.3	3,372.9	15.4	12.6	-134.64	478.7	-214.8	787.0	763.5	23.53	33.448		
3,700.0	3,589.3	3,541.0	3,461.8	16.0	13.1	-134.51	502.1	-226.7	824.3	799.9	24.45	33.719		
3,800.0	3,684.4	3,633.8	3,550.8	16.6	13.6	-134.38	525.5	-238.7	861.7	836.3	25.37	33.967		
3,900.0	3,779.6	3,726.5	3,639.7	17.2	14.2	-134.27	549.0	-250.6	899.0	872.7	26.29	34.197		
4,000.0	3,874.7	3,819.3	3,728.7	17.9	14.7	-134.17	572.4	-262.6	936.4	909.2	27.21	34.409		
4,100.0	3,969.8	3,912.0	3,817.6	18.5	15.2	-134.07	595.8	-274.5	973.7	945.6	28.14	34.605		
4,200.0	4,064.9	4,004.8	3,906.6	19.1	15.7	-133.99	619.2	-286.5	1,011.1	982.0	29.06	34.788		
4,300.0	4,160.1	4,097.5	3,995.5	19.7	16.3	-133.90	642.6	-298.4	1,048.4	1,018.4	29.99	34.958		
4,400.0	4,255.2	4,190.3	4,084.5	20.4	16.8	-133.83	666.1	-310.4	1,085.8	1,054.9	30.92	35.117		
4,471.2	4,322.9	4,256.3	4,147.8	20.8	17.2	-133.78	682.7	-318.9	1,112.4	1,080.8	31.58	35.224		
4,500.0	4,350.4	4,283.1	4,173.5	21.0	17.3	-134.00	689.5	-322.4	1,123.0	1,091.1	31.87	35.234		
4,600.0	4,446.7	4,376.8	4,263.3	21.4	17.9	-134.57	713.2	-334.4	1,157.7	1,124.9	32.82	35.277		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design		Valley Farms G - Valley Farms G 32A-14-06-92 - Wellbore #1 - Design #1											Offset Site Error:		0.0 usft
Survey Program: 0-MWD													Offset Well Error:		0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor			
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	(usft)	(usft)	(usft)				
4,700.0	4,544.2	4,471.4	4,354.1	21.8	18.4	-134.87	737.1	-346.6	1,189.0	1,155.2	33.71	35.270			
4,800.0	4,642.8	4,566.8	4,445.5	22.1	18.9	-134.92	761.1	-358.9	1,216.8	1,182.2	34.54	35.227			
4,900.0	4,742.2	4,662.6	4,537.4	22.3	19.5	-134.75	785.3	-371.3	1,241.1	1,205.8	35.30	35.158			
5,000.0	4,842.0	4,758.6	4,629.5	22.5	20.0	-134.36	809.6	-383.6	1,262.1	1,226.2	35.99	35.072			
5,070.1	4,912.0	4,825.9	4,694.0	22.6	20.4	-81.08	826.6	-392.3	1,274.9	1,238.5	36.42	35.007			
5,100.0	4,941.9	4,854.6	4,721.5	22.6	20.6	-80.78	833.8	-396.0	1,280.1	1,243.4	36.61	34.968			
5,200.0	5,041.9	4,950.5	4,813.5	22.7	21.1	-79.80	858.0	-408.4	1,297.5	1,260.2	37.23	34.849			
5,300.0	5,141.9	5,046.4	4,905.4	22.8	21.7	-78.84	882.2	-420.7	1,315.3	1,277.4	37.84	34.755			
5,400.0	5,241.9	5,142.3	4,997.4	22.9	22.2	-77.91	906.5	-433.1	1,333.4	1,295.0	38.44	34.684			
5,500.0	5,341.9	5,238.2	5,089.3	23.0	22.8	-77.00	930.7	-445.4	1,351.9	1,312.9	39.03	34.635			
5,600.0	5,441.9	5,453.6	5,299.3	23.1	23.6	-75.46	973.0	-467.0	1,366.7	1,326.8	39.87	34.275			
5,700.0	5,541.9	5,680.4	5,525.1	23.3	24.1	-74.85	990.7	-476.1	1,372.5	1,332.1	40.43	33.948			
5,800.0	5,641.9	5,797.3	5,641.9	23.4	24.2	-74.84	990.9	-476.2	1,372.6	1,331.9	40.70	33.725			
5,900.0	5,741.9	5,897.3	5,741.9	23.5	24.3	-74.84	990.9	-476.2	1,372.6	1,331.7	40.96	33.514			
6,000.0	5,841.9	5,997.3	5,841.9	23.6	24.4	-74.84	990.9	-476.2	1,372.6	1,331.4	41.22	33.303			
6,100.0	5,941.9	6,097.3	5,941.9	23.7	24.5	-74.84	990.9	-476.2	1,372.6	1,331.1	41.48	33.092			
6,200.0	6,041.9	6,197.3	6,041.9	23.8	24.7	-74.84	990.9	-476.2	1,372.6	1,330.9	41.74	32.881			
6,300.0	6,141.9	6,297.3	6,141.9	24.0	24.8	-74.84	990.9	-476.2	1,372.6	1,330.6	42.01	32.671			
6,400.0	6,241.9	6,397.3	6,241.9	24.1	24.9	-74.84	990.9	-476.2	1,372.6	1,330.3	42.29	32.460			
6,500.0	6,341.9	6,497.3	6,341.9	24.2	25.0	-74.84	990.9	-476.2	1,372.6	1,330.1	42.56	32.251			
6,600.0	6,441.9	6,597.3	6,441.9	24.3	25.1	-74.84	990.9	-476.2	1,372.6	1,329.8	42.84	32.041			
6,700.0	6,541.9	6,697.3	6,541.9	24.5	25.3	-74.84	990.9	-476.2	1,372.6	1,329.5	43.12	31.832			
6,800.0	6,641.9	6,797.3	6,641.9	24.6	25.4	-74.84	990.9	-476.2	1,372.6	1,329.2	43.40	31.624			
6,900.0	6,741.9	6,897.3	6,741.9	24.7	25.5	-74.84	990.9	-476.2	1,372.6	1,328.9	43.69	31.417			
7,000.0	6,841.9	6,997.3	6,841.9	24.9	25.6	-74.84	990.9	-476.2	1,372.6	1,328.6	43.98	31.210			
7,100.0	6,941.9	7,097.3	6,941.9	25.0	25.8	-74.84	990.9	-476.2	1,372.6	1,328.3	44.27	31.004			
7,200.0	7,041.9	7,197.3	7,041.9	25.1	25.9	-74.84	990.9	-476.2	1,372.6	1,328.1	44.57	30.799			
7,300.0	7,141.9	7,297.3	7,141.9	25.3	26.0	-74.84	990.9	-476.2	1,372.6	1,327.8	44.86	30.595			
7,400.0	7,241.9	7,397.3	7,241.9	25.4	26.1	-74.84	990.9	-476.2	1,372.6	1,327.5	45.16	30.392			
7,500.0	7,341.9	7,497.3	7,341.9	25.5	26.3	-74.84	990.9	-476.2	1,372.6	1,327.2	45.47	30.190			
7,555.1	7,397.0	7,552.3	7,397.0	25.6	26.4	-74.84	990.9	-476.2	1,372.6	1,327.0	45.63	30.079			

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 32B-14-06-92 - Wellbore #1 - Design #1													Offset Well Error:	0.0 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-179.77	-50.0	-0.2	50.0					
100.0	100.0	100.0	100.0	0.1	0.1	-179.77	-50.0	-0.2	50.0	49.8	0.19	267.944		
200.0	200.0	200.0	200.0	0.3	0.3	-179.77	-50.0	-0.2	50.0	49.4	0.64	78.584		
300.0	300.0	300.0	300.0	0.5	0.5	-179.77	-50.0	-0.2	50.0	48.9	1.09	46.044		
400.0	400.0	400.0	400.0	0.8	0.8	-179.77	-50.0	-0.2	50.0	48.5	1.54	32.561		
500.0	500.0	500.0	500.0	1.0	1.0	-179.77	-50.0	-0.2	50.0	48.0	1.98	25.186		
600.0	600.0	600.0	600.0	1.2	1.2	-179.77	-50.0	-0.2	50.0	47.6	2.43	20.535		
700.0	700.0	700.0	700.0	1.4	1.4	-179.77	-50.0	-0.2	50.0	47.1	2.88	17.334		
800.0	800.0	800.0	800.0	1.7	1.7	-179.77	-50.0	-0.2	50.0	46.7	3.33	14.996		
900.0	900.0	900.0	900.0	1.9	1.9	-179.77	-50.0	-0.2	50.0	46.2	3.78	13.214		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-179.77	-50.0	-0.2	50.0	45.8	4.23	11.811		
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	-179.77	-50.0	-0.2	50.0	45.4	4.57	10.939 CC		
1,100.0	1,100.0	1,100.0	1,100.0	2.3	2.3	97.45	-50.0	-0.2	50.0	45.3	4.68	10.689 ES		
1,175.0	1,174.9	1,174.9	1,174.9	2.5	2.5	100.65	-50.0	-0.2	50.5	45.5	5.00	10.092		
1,200.0	1,199.9	1,199.9	1,199.9	2.5	2.6	109.54	-50.0	-0.2	50.9	45.8	5.11	9.964 SF		
1,300.0	1,299.3	1,299.3	1,299.3	2.8	2.8	131.84	-50.0	-0.2	56.4	50.9	5.55	10.156		
1,400.0	1,398.1	1,399.9	1,399.8	3.0	3.0	148.26	-47.8	-1.6	67.3	61.3	5.98	11.249		
1,500.0	1,495.6	1,498.8	1,498.4	3.3	3.2	162.96	-41.4	-5.9	84.2	77.8	6.37	13.207		
1,604.7	1,596.1	1,599.7	1,598.5	3.7	3.5	175.55	-30.4	-13.2	109.9	103.1	6.76	16.261		
1,700.0	1,686.8	1,689.7	1,687.0	4.2	3.7	-176.54	-17.0	-22.1	138.2	131.0	7.21	19.165		
1,800.0	1,782.0	1,782.3	1,777.2	4.7	4.0	-169.64	0.5	-33.7	170.0	162.3	7.75	21.941		
1,900.0	1,877.1	1,874.5	1,866.3	5.2	4.3	-164.03	20.4	-46.8	204.1	195.7	8.36	24.407		
2,000.0	1,972.2	1,966.9	1,955.5	5.7	4.7	-159.97	40.3	-60.1	239.4	230.4	9.02	26.528		
2,100.0	2,067.3	2,059.2	2,044.7	6.3	5.1	-156.95	60.3	-73.3	275.5	265.8	9.72	28.339		
2,200.0	2,162.5	2,151.6	2,133.9	6.9	5.5	-154.62	80.3	-86.6	312.2	301.7	10.46	29.858		
2,300.0	2,257.6	2,244.0	2,223.1	7.5	5.9	-152.78	100.3	-99.8	349.2	338.0	11.21	31.157		
2,400.0	2,352.7	2,336.3	2,312.3	8.0	6.3	-151.28	120.2	-113.0	386.5	374.5	11.98	32.265		
2,500.0	2,447.8	2,428.7	2,401.5	8.6	6.8	-150.05	140.2	-126.3	424.0	411.2	12.76	33.216		
2,600.0	2,542.9	2,521.1	2,490.7	9.2	7.2	-149.02	160.2	-139.5	461.6	448.0	13.56	34.037		
2,700.0	2,638.1	2,613.4	2,579.9	9.9	7.7	-148.15	180.2	-152.8	499.3	484.9	14.37	34.751		
2,800.0	2,733.2	2,705.8	2,669.1	10.5	8.1	-147.39	200.1	-166.0	537.1	521.9	15.18	35.376		
2,900.0	2,828.3	2,798.2	2,758.3	11.1	8.6	-146.74	220.1	-179.2	574.9	558.9	16.00	35.926		
3,000.0	2,923.4	2,890.5	2,847.5	11.7	9.1	-146.16	240.1	-192.5	612.9	596.0	16.83	36.412		
3,100.0	3,018.6	2,982.9	2,936.7	12.3	9.5	-145.65	260.1	-205.7	650.8	633.2	17.66	36.846		
3,200.0	3,113.7	3,075.2	3,025.9	12.9	10.0	-145.20	280.0	-219.0	688.8	670.3	18.50	37.234		
3,300.0	3,208.8	3,167.6	3,115.1	13.5	10.5	-144.80	300.0	-232.2	726.9	707.5	19.34	37.583		
3,400.0	3,303.9	3,260.0	3,204.3	14.1	11.0	-144.43	320.0	-245.4	765.0	744.8	20.18	37.898		
3,500.0	3,399.1	3,352.3	3,293.5	14.8	11.4	-144.10	340.0	-258.7	803.0	782.0	21.03	38.184		
3,600.0	3,494.2	3,444.7	3,382.7	15.4	11.9	-143.80	359.9	-271.9	841.2	819.3	21.88	38.444		
3,700.0	3,589.3	3,537.1	3,471.9	16.0	12.4	-143.53	379.9	-285.2	879.3	856.6	22.73	38.682		
3,800.0	3,684.4	3,629.4	3,561.1	16.6	12.9	-143.28	399.9	-298.4	917.4	893.9	23.58	38.900		
3,900.0	3,779.6	3,721.8	3,650.3	17.2	13.4	-143.05	419.8	-311.6	955.6	931.2	24.44	39.100		
4,000.0	3,874.7	3,814.2	3,739.5	17.9	13.8	-142.83	439.8	-324.9	993.8	968.5	25.30	39.285		
4,100.0	3,969.8	3,906.5	3,828.7	18.5	14.3	-142.63	459.8	-338.1	1,032.0	1,005.8	26.15	39.456		
4,200.0	4,064.9	3,998.9	3,917.9	19.1	14.8	-142.45	479.8	-351.4	1,070.2	1,043.2	27.01	39.615		
4,300.0	4,160.1	4,091.3	4,007.1	19.7	15.3	-142.28	499.7	-364.6	1,108.4	1,080.5	27.88	39.762		
4,400.0	4,255.2	4,183.6	4,096.3	20.4	15.8	-142.12	519.7	-377.8	1,146.6	1,117.9	28.74	39.899		
4,471.2	4,322.9	4,249.4	4,159.8	20.8	16.1	-142.01	533.9	-387.3	1,173.8	1,144.4	29.35	39.991		
4,500.0	4,350.4	4,276.1	4,185.6	21.0	16.3	-142.18	539.7	-391.1	1,184.7	1,155.0	29.63	39.978		
4,600.0	4,446.7	4,369.5	4,275.8	21.4	16.8	-142.60	559.9	-404.5	1,219.8	1,189.3	30.54	39.937		
4,700.0	4,544.2	4,464.1	4,367.2	21.8	17.3	-142.79	580.4	-418.0	1,251.2	1,219.8	31.40	39.841		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Valley Farms G - Valley Farms G 32B-14-06-92 - Wellbore #1 - Design #1													Offset Site Error: 0.0 usft	
Survey Program: 0-MWD													Offset Well Error: 0.0 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,800.0	4,642.8	4,559.6	4,459.4	22.1	17.8	-142.78	601.0	-431.7	1,278.6	1,246.4	32.20	39.705		
4,900.0	4,742.2	4,697.9	4,593.7	22.3	18.4	-142.37	628.4	-449.9	1,301.0	1,268.0	33.02	39.401		
5,000.0	4,842.0	4,858.5	4,752.2	22.5	18.8	-141.95	650.0	-464.2	1,315.1	1,281.4	33.67	39.054		
5,070.1	4,912.0	4,973.3	4,866.5	22.6	19.1	-88.84	658.7	-470.0	1,319.7	1,285.7	34.00	38.810		
5,100.0	4,941.9	5,022.7	4,915.8	22.6	19.2	-88.75	660.6	-471.3	1,320.5	1,286.4	34.13	38.693		
5,200.0	5,041.9	5,148.8	5,041.9	22.7	19.3	-88.71	661.6	-471.9	1,320.9	1,286.5	34.43	38.362		
5,300.0	5,141.9	5,248.8	5,141.9	22.8	19.5	-88.71	661.6	-471.9	1,320.9	1,286.2	34.70	38.064		
5,400.0	5,241.9	5,348.8	5,241.9	22.9	19.6	-88.71	661.6	-471.9	1,320.9	1,285.9	34.98	37.766		
5,500.0	5,341.9	5,448.8	5,341.9	23.0	19.7	-88.71	661.6	-471.9	1,320.9	1,285.6	35.25	37.470		
5,600.0	5,441.9	5,548.8	5,441.9	23.1	19.8	-88.71	661.6	-471.9	1,320.9	1,285.4	35.53	37.174		
5,700.0	5,541.9	5,648.8	5,541.9	23.3	20.0	-88.71	661.6	-471.9	1,320.9	1,285.1	35.82	36.879		
5,800.0	5,641.9	5,748.8	5,641.9	23.4	20.1	-88.71	661.6	-471.9	1,320.9	1,284.8	36.10	36.586		
5,900.0	5,741.9	5,848.8	5,741.9	23.5	20.2	-88.71	661.6	-471.9	1,320.9	1,284.5	36.39	36.294		
6,000.0	5,841.9	5,948.8	5,841.9	23.6	20.4	-88.71	661.6	-471.9	1,320.9	1,284.2	36.69	36.003		
6,100.0	5,941.9	6,048.8	5,941.9	23.7	20.5	-88.71	661.6	-471.9	1,320.9	1,283.9	36.99	35.714		
6,200.0	6,041.9	6,148.8	6,041.9	23.8	20.7	-88.71	661.6	-471.9	1,320.9	1,283.6	37.29	35.427		
6,300.0	6,141.9	6,248.8	6,141.9	24.0	20.8	-88.71	661.6	-471.9	1,320.9	1,283.3	37.59	35.141		
6,400.0	6,241.9	6,348.8	6,241.9	24.1	20.9	-88.71	661.6	-471.9	1,320.9	1,283.0	37.89	34.857		
6,500.0	6,341.9	6,448.8	6,341.9	24.2	21.1	-88.71	661.6	-471.9	1,320.9	1,282.7	38.20	34.576		
6,600.0	6,441.9	6,548.8	6,441.9	24.3	21.2	-88.71	661.6	-471.9	1,320.9	1,282.4	38.51	34.296		
6,700.0	6,541.9	6,648.8	6,541.9	24.5	21.4	-88.71	661.6	-471.9	1,320.9	1,282.1	38.83	34.019		
6,800.0	6,641.9	6,748.8	6,641.9	24.6	21.5	-88.71	661.6	-471.9	1,320.9	1,281.7	39.15	33.743		
6,900.0	6,741.9	6,848.8	6,741.9	24.7	21.7	-88.71	661.6	-471.9	1,320.9	1,281.4	39.46	33.470		
7,000.0	6,841.9	6,948.8	6,841.9	24.9	21.8	-88.71	661.6	-471.9	1,320.9	1,281.1	39.79	33.199		
7,100.0	6,941.9	7,048.8	6,941.9	25.0	22.0	-88.71	661.6	-471.9	1,320.9	1,280.8	40.11	32.931		
7,200.0	7,041.9	7,148.8	7,041.9	25.1	22.1	-88.71	661.6	-471.9	1,320.9	1,280.4	40.44	32.665		
7,300.0	7,141.9	7,248.8	7,141.9	25.3	22.3	-88.71	661.6	-471.9	1,320.9	1,280.1	40.77	32.401		
7,400.0	7,241.9	7,348.8	7,241.9	25.4	22.4	-88.71	661.6	-471.9	1,320.9	1,279.8	41.10	32.140		
7,500.0	7,341.9	7,448.8	7,341.9	25.5	22.6	-88.71	661.6	-471.9	1,320.9	1,279.5	41.43	31.881		
7,555.1	7,397.0	7,503.9	7,397.0	25.6	22.7	-88.71	661.6	-471.9	1,320.9	1,279.3	41.62	31.740		

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Valley Farms G - Valley Farms G 32C-14-06-92 - Wellbore #1 - Design #1		Offset Site Error: 0.0 usft	
Survey Program: 0-MWD													Offset Well Error: 0.0 usft			
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
0.0	0.0	0.0	0.0	0.0	0.0	-179.77	-80.0	-0.3	80.0							
100.0	100.0	100.0	100.0	0.1	0.1	-179.77	-80.0	-0.3	80.0	79.8	0.19	428.711				
200.0	200.0	200.0	200.0	0.3	0.3	-179.77	-80.0	-0.3	80.0	79.3	0.64	125.735				
300.0	300.0	300.0	300.0	0.5	0.5	-179.77	-80.0	-0.3	80.0	78.9	1.09	73.671				
400.0	400.0	400.0	400.0	0.8	0.8	-179.77	-80.0	-0.3	80.0	78.4	1.54	52.098				
500.0	500.0	500.0	500.0	1.0	1.0	-179.77	-80.0	-0.3	80.0	78.0	1.98	40.298				
600.0	600.0	600.0	600.0	1.2	1.2	-179.77	-80.0	-0.3	80.0	77.5	2.43	32.856				
700.0	700.0	700.0	700.0	1.4	1.4	-179.77	-80.0	-0.3	80.0	77.1	2.88	27.734				
800.0	800.0	800.0	800.0	1.7	1.7	-179.77	-80.0	-0.3	80.0	76.6	3.33	23.994				
900.0	900.0	900.0	900.0	1.9	1.9	-179.77	-80.0	-0.3	80.0	76.2	3.78	21.143				
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-179.77	-80.0	-0.3	80.0	75.7	4.23	18.897				
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	-179.77	-80.0	-0.3	80.0	75.4	4.57	17.503 CC				
1,100.0	1,100.0	1,100.0	1,100.0	2.3	2.3	97.36	-80.0	-0.3	80.0	75.3	4.68	17.099 ES				
1,175.0	1,174.9	1,174.9	1,174.9	2.5	2.5	99.37	-80.0	-0.3	80.4	75.4	5.00	16.084				
1,200.0	1,199.9	1,199.9	1,199.9	2.5	2.6	107.59	-80.0	-0.3	80.8	75.7	5.11	15.817				
1,300.0	1,299.3	1,299.3	1,299.3	2.8	2.8	126.86	-80.0	-0.3	85.8	80.2	5.56	15.438 SF				
1,400.0	1,398.1	1,398.1	1,398.1	3.0	3.0	138.99	-80.0	-0.3	96.8	90.8	6.00	16.139				
1,500.0	1,495.6	1,495.6	1,495.6	3.3	3.2	148.30	-80.0	-0.3	114.6	108.2	6.43	17.833				
1,604.7	1,596.1	1,596.1	1,596.1	3.7	3.5	155.72	-80.0	-0.3	140.6	133.8	6.85	20.521				
1,700.0	1,686.8	1,686.8	1,686.8	4.2	3.7	159.83	-80.0	-0.3	168.0	160.7	7.29	23.049				
1,800.0	1,782.0	1,782.0	1,782.0	4.7	3.9	162.90	-80.0	-0.3	197.4	189.7	7.75	25.458				
1,900.0	1,877.1	1,877.4	1,877.4	5.2	4.1	165.60	-78.9	-1.5	227.1	218.9	8.22	27.645				
2,000.0	1,972.2	1,972.1	1,971.8	5.7	4.3	168.74	-74.9	-6.1	257.2	248.5	8.66	29.689				
2,100.0	2,067.3	2,065.3	2,064.4	6.3	4.5	172.13	-67.8	-14.1	288.2	279.0	9.11	31.635				
2,200.0	2,162.5	2,156.6	2,154.6	6.9	4.7	175.65	-58.1	-25.3	320.4	310.9	9.57	33.486				
2,300.0	2,257.6	2,246.5	2,242.5	7.5	5.0	179.20	-45.8	-39.3	354.5	344.4	10.06	35.246				
2,400.0	2,352.7	2,337.9	2,331.6	8.0	5.3	-177.62	-32.4	-54.5	389.9	379.3	10.59	36.822				
2,500.0	2,447.8	2,429.3	2,420.8	8.6	5.6	-174.95	-19.1	-69.6	426.2	415.1	11.15	38.231				
2,600.0	2,542.9	2,520.7	2,509.9	9.2	5.9	-172.68	-5.8	-84.8	463.3	451.5	11.74	39.448				
2,700.0	2,638.1	2,612.1	2,599.0	9.9	6.2	-170.75	7.6	-100.0	500.9	488.5	12.36	40.532				
2,800.0	2,733.2	2,703.5	2,688.2	10.5	6.6	-169.08	20.9	-115.2	538.9	525.9	12.99	41.484				
2,900.0	2,828.3	2,794.9	2,777.3	11.1	6.9	-167.63	34.2	-130.4	577.3	563.6	13.64	42.324				
3,000.0	2,923.4	2,886.3	2,866.5	11.7	7.3	-166.36	47.6	-145.5	615.9	601.6	14.30	43.066				
3,100.0	3,018.6	2,977.7	2,955.6	12.3	7.6	-165.23	60.9	-160.7	654.8	639.8	14.97	43.727				
3,200.0	3,113.7	3,069.1	3,044.7	12.9	8.0	-164.23	74.2	-175.9	693.9	678.2	15.66	44.317				
3,300.0	3,208.8	3,160.5	3,133.9	13.5	8.4	-163.34	87.5	-191.1	733.1	716.8	16.35	44.847				
3,400.0	3,303.9	3,251.9	3,223.0	14.1	8.8	-162.54	100.9	-206.2	772.5	755.4	17.04	45.323				
3,500.0	3,399.1	3,343.3	3,312.2	14.8	9.2	-161.81	114.2	-221.4	812.0	794.2	17.75	45.754				
3,600.0	3,494.2	3,434.7	3,401.3	15.4	9.6	-161.15	127.5	-236.6	851.6	833.1	18.45	46.145				
3,700.0	3,589.3	3,526.1	3,490.4	16.0	10.0	-160.55	140.9	-251.8	891.2	872.1	19.17	46.501				
3,800.0	3,684.4	3,617.5	3,579.6	16.6	10.4	-159.99	154.2	-267.0	931.0	911.1	19.88	46.826				
3,900.0	3,779.6	3,708.9	3,668.7	17.2	10.8	-159.49	167.5	-282.1	970.8	950.2	20.60	47.125				
4,000.0	3,874.7	3,800.3	3,757.9	17.9	11.2	-159.02	180.9	-297.3	1,010.7	989.4	21.32	47.399				
4,100.0	3,969.8	3,891.7	3,847.0	18.5	11.6	-158.59	194.2	-312.5	1,050.7	1,028.6	22.05	47.651				
4,200.0	4,064.9	3,983.1	3,936.1	19.1	12.0	-158.19	207.5	-327.7	1,090.6	1,067.9	22.78	47.884				
4,300.0	4,160.1	4,074.5	4,025.3	19.7	12.4	-157.82	220.9	-342.9	1,130.7	1,107.2	23.51	48.101				
4,400.0	4,255.2	4,165.9	4,114.4	20.4	12.8	-157.47	234.2	-358.0	1,170.7	1,146.5	24.24	48.302				
4,471.2	4,322.9	4,231.0	4,177.9	20.8	13.1	-157.24	243.7	-368.8	1,199.3	1,174.5	24.76	48.436				
4,500.0	4,350.4	4,257.4	4,203.6	21.0	13.2	-157.29	247.5	-373.2	1,210.6	1,185.6	25.01	48.405				
4,600.0	4,446.7	4,350.1	4,294.1	21.4	13.7	-157.36	261.1	-388.6	1,247.3	1,221.4	25.83	48.293				
4,700.0	4,544.2	4,444.3	4,385.9	21.8	14.1	-157.30	274.8	-404.3	1,279.4	1,252.8	26.59	48.115				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Valley Farms G - Valley Farms G 32C-14-06-92 - Wellbore #1 - Design #1		Offset Site Error:		0.0 usft
Survey Program: 0-MWD													Offset Well Error:		0.0 usft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
4,800.0	4,642.8	4,539.7	4,479.0	22.1	14.5	-157.11	288.7	-420.1	1,307.0	1,279.7	27.29	47.886					
4,900.0	4,742.2	4,643.7	4,580.4	22.3	15.0	-156.74	303.8	-437.3	1,330.1	1,302.1	27.96	47.575					
5,000.0	4,842.0	4,808.8	4,743.1	22.5	15.5	-156.12	322.2	-458.3	1,345.6	1,316.9	28.64	46.987					
5,070.1	4,912.0	4,927.4	4,861.1	22.6	15.8	-102.94	329.7	-466.8	1,350.6	1,321.7	28.97	46.620					
5,100.0	4,941.9	4,978.5	4,912.1	22.6	15.9	-102.85	331.4	-468.7	1,351.5	1,322.4	29.11	46.425					
5,200.0	5,041.9	5,108.3	5,041.9	22.7	16.0	-102.80	332.3	-469.7	1,352.0	1,322.5	29.47	45.882					
5,300.0	5,141.9	5,208.3	5,141.9	22.8	16.2	-102.80	332.3	-469.7	1,352.0	1,322.2	29.78	45.394					
5,400.0	5,241.9	5,308.3	5,241.9	22.9	16.4	-102.80	332.3	-469.7	1,352.0	1,321.9	30.10	44.911					
5,500.0	5,341.9	5,408.3	5,341.9	23.0	16.5	-102.80	332.3	-469.7	1,352.0	1,321.6	30.43	44.433					
5,600.0	5,441.9	5,508.3	5,441.9	23.1	16.7	-102.80	332.3	-469.7	1,352.0	1,321.2	30.75	43.961					
5,700.0	5,541.9	5,608.3	5,541.9	23.3	16.8	-102.80	332.3	-469.7	1,352.0	1,320.9	31.08	43.494					
5,800.0	5,641.9	5,708.3	5,641.9	23.4	17.0	-102.80	332.3	-469.7	1,352.0	1,320.6	31.42	43.034					
5,900.0	5,741.9	5,808.3	5,741.9	23.5	17.2	-102.80	332.3	-469.7	1,352.0	1,320.2	31.75	42.579					
6,000.0	5,841.9	5,908.3	5,841.9	23.6	17.3	-102.80	332.3	-469.7	1,352.0	1,319.9	32.09	42.130					
6,100.0	5,941.9	6,008.3	5,941.9	23.7	17.5	-102.80	332.3	-469.7	1,352.0	1,319.6	32.43	41.687					
6,200.0	6,041.9	6,108.3	6,041.9	23.8	17.6	-102.80	332.3	-469.7	1,352.0	1,319.2	32.78	41.249					
6,300.0	6,141.9	6,208.3	6,141.9	24.0	17.8	-102.80	332.3	-469.7	1,352.0	1,318.9	33.12	40.818					
6,400.0	6,241.9	6,308.3	6,241.9	24.1	18.0	-102.80	332.3	-469.7	1,352.0	1,318.5	33.47	40.393					
6,500.0	6,341.9	6,408.3	6,341.9	24.2	18.1	-102.80	332.3	-469.7	1,352.0	1,318.2	33.82	39.974					
6,600.0	6,441.9	6,508.3	6,441.9	24.3	18.3	-102.80	332.3	-469.7	1,352.0	1,317.8	34.18	39.560					
6,700.0	6,541.9	6,608.3	6,541.9	24.5	18.5	-102.80	332.3	-469.7	1,352.0	1,317.5	34.53	39.153					
6,800.0	6,641.9	6,708.3	6,641.9	24.6	18.7	-102.80	332.3	-469.7	1,352.0	1,317.1	34.89	38.751					
6,900.0	6,741.9	6,808.3	6,741.9	24.7	18.8	-102.80	332.3	-469.7	1,352.0	1,316.7	35.25	38.356					
7,000.0	6,841.9	6,908.3	6,841.9	24.9	19.0	-102.80	332.3	-469.7	1,352.0	1,316.4	35.61	37.966					
7,100.0	6,941.9	7,008.3	6,941.9	25.0	19.2	-102.80	332.3	-469.7	1,352.0	1,316.0	35.97	37.582					
7,200.0	7,041.9	7,108.3	7,041.9	25.1	19.4	-102.80	332.3	-469.7	1,352.0	1,315.7	36.34	37.203					
7,300.0	7,141.9	7,208.3	7,141.9	25.3	19.5	-102.80	332.3	-469.7	1,352.0	1,315.3	36.71	36.831					
7,400.0	7,241.9	7,308.3	7,241.9	25.4	19.7	-102.80	332.3	-469.7	1,352.0	1,314.9	37.08	36.464					
7,500.0	7,341.9	7,408.3	7,341.9	25.5	19.9	-102.80	332.3	-469.7	1,352.0	1,314.5	37.45	36.102					
7,555.1	7,397.0	7,463.4	7,397.0	25.6	20.0	-102.80	332.3	-469.7	1,352.0	1,314.3	37.65	35.906					

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 32D-14-06-92 - Wellbore #1 - Design #1													Offset Well Error:	0.0 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-179.77	-100.0	-0.4	100.0					
100.0	100.0	100.0	100.0	0.1	0.1	-179.77	-100.0	-0.4	100.0	99.8	0.19	535.888		
200.0	200.0	200.0	200.0	0.3	0.3	-179.77	-100.0	-0.4	100.0	99.3	0.64	157.169		
300.0	300.0	300.0	300.0	0.5	0.5	-179.77	-100.0	-0.4	100.0	98.9	1.09	92.089		
400.0	400.0	400.0	400.0	0.8	0.8	-179.77	-100.0	-0.4	100.0	98.4	1.54	65.123		
500.0	500.0	500.0	500.0	1.0	1.0	-179.77	-100.0	-0.4	100.0	98.0	1.98	50.372		
600.0	600.0	600.0	600.0	1.2	1.2	-179.77	-100.0	-0.4	100.0	97.5	2.43	41.070		
700.0	700.0	700.0	700.0	1.4	1.4	-179.77	-100.0	-0.4	100.0	97.1	2.88	34.668		
800.0	800.0	800.0	800.0	1.7	1.7	-179.77	-100.0	-0.4	100.0	96.6	3.33	29.992		
900.0	900.0	900.0	900.0	1.9	1.9	-179.77	-100.0	-0.4	100.0	96.2	3.78	26.428		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-179.77	-100.0	-0.4	100.0	95.7	4.23	23.621		
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	-179.77	-100.0	-0.4	100.0	95.4	4.57	21.878 CC		
1,100.0	1,100.0	1,100.0	1,100.0	2.3	2.3	97.34	-100.0	-0.4	100.0	95.3	4.68	21.373 ES		
1,175.0	1,174.9	1,174.9	1,174.9	2.5	2.5	98.94	-100.0	-0.4	100.4	95.4	5.00	20.081		
1,200.0	1,199.9	1,199.9	1,199.9	2.5	2.6	106.93	-100.0	-0.4	100.8	95.7	5.11	19.725		
1,300.0	1,299.3	1,299.3	1,299.3	2.8	2.8	125.09	-100.0	-0.4	105.6	100.0	5.56	18.994 SF		
1,400.0	1,398.1	1,398.1	1,398.1	3.0	3.0	136.16	-100.0	-0.4	116.1	110.1	6.00	19.340		
1,500.0	1,495.6	1,495.6	1,495.6	3.3	3.2	144.82	-100.0	-0.4	133.2	126.8	6.44	20.677		
1,604.7	1,596.1	1,596.1	1,596.1	3.7	3.5	152.05	-100.0	-0.4	158.3	151.4	6.88	23.016		
1,700.0	1,686.8	1,686.8	1,686.8	4.2	3.7	156.29	-100.0	-0.4	185.1	177.7	7.33	25.262		
1,800.0	1,782.0	1,782.0	1,782.0	4.7	3.9	159.60	-100.0	-0.4	213.8	206.0	7.80	27.431		
1,900.0	1,877.1	1,877.1	1,877.1	5.2	4.1	162.12	-100.0	-0.4	243.1	234.9	8.27	29.403		
2,000.0	1,972.2	1,972.2	1,972.2	5.7	4.3	164.10	-100.0	-0.4	272.8	264.0	8.75	31.189		
2,100.0	2,067.3	2,062.8	2,062.8	6.3	4.5	165.81	-99.8	-1.4	303.2	294.0	9.21	32.919		
2,200.0	2,162.5	2,149.8	2,149.6	6.9	4.7	167.78	-98.7	-6.1	335.8	326.1	9.65	34.778		
2,300.0	2,257.6	2,234.5	2,233.9	7.5	4.9	169.93	-96.9	-14.4	370.9	360.8	10.09	36.757		
2,400.0	2,352.7	2,316.7	2,315.3	8.0	5.1	172.14	-94.4	-26.0	408.7	398.2	10.53	38.830		
2,500.0	2,447.8	2,404.0	2,401.2	8.6	5.3	174.44	-91.1	-41.0	448.7	437.7	10.98	40.879		
2,600.0	2,542.9	2,494.1	2,489.9	9.2	5.5	176.45	-87.7	-56.6	489.4	478.0	11.44	42.766		
2,700.0	2,638.1	2,584.2	2,578.5	9.9	5.8	178.16	-84.3	-72.1	530.5	518.6	11.93	44.486		
2,800.0	2,733.2	2,674.2	2,667.2	10.5	6.0	179.62	-80.9	-87.7	572.0	559.6	12.42	46.043		
2,900.0	2,828.3	2,764.3	2,755.8	11.1	6.3	-179.11	-77.5	-103.3	613.8	600.8	12.93	47.474		
3,000.0	2,923.4	2,854.4	2,844.5	11.7	6.6	-178.00	-74.1	-118.9	655.7	642.3	13.44	48.777		
3,100.0	3,018.6	2,944.4	2,933.1	12.3	6.9	-177.02	-70.7	-134.5	697.9	683.9	13.97	49.966		
3,200.0	3,113.7	3,034.5	3,021.7	12.9	7.2	-176.15	-67.3	-150.1	740.2	725.7	14.50	51.055		
3,300.0	3,208.8	3,124.6	3,110.4	13.5	7.5	-175.37	-63.9	-165.6	782.6	767.6	15.03	52.054		
3,400.0	3,303.9	3,214.6	3,199.0	14.1	7.8	-174.68	-60.5	-181.2	825.1	809.6	15.58	52.972		
3,500.0	3,399.1	3,304.7	3,287.7	14.8	8.1	-174.05	-57.1	-196.8	867.8	851.6	16.12	53.817		
3,600.0	3,494.2	3,394.8	3,376.3	15.4	8.4	-173.48	-53.7	-212.4	910.5	893.8	16.68	54.598		
3,700.0	3,589.3	3,484.9	3,465.0	16.0	8.8	-172.96	-50.3	-228.0	953.2	936.0	17.23	55.319		
3,800.0	3,684.4	3,574.9	3,553.6	16.6	9.1	-172.48	-46.9	-243.6	996.1	978.3	17.79	55.988		
3,900.0	3,779.6	3,665.0	3,642.2	17.2	9.4	-172.05	-43.5	-259.1	1,038.9	1,020.6	18.35	56.609		
4,000.0	3,874.7	3,755.1	3,730.9	17.9	9.8	-171.64	-40.1	-274.7	1,081.9	1,062.9	18.92	57.187		
4,100.0	3,969.8	3,845.1	3,819.5	18.5	10.1	-171.27	-36.7	-290.3	1,124.8	1,105.3	19.49	57.726		
4,200.0	4,064.9	3,935.2	3,908.2	19.1	10.4	-170.93	-33.2	-305.9	1,167.8	1,147.8	20.06	58.230		
4,300.0	4,160.1	4,025.3	3,996.8	19.7	10.8	-170.61	-29.8	-321.5	1,210.9	1,190.2	20.63	58.701		
4,400.0	4,255.2	4,115.3	4,085.5	20.4	11.1	-170.31	-26.4	-337.1	1,253.9	1,232.7	21.20	59.142		
4,471.2	4,322.9	4,179.4	4,148.6	20.8	11.3	-170.11	-24.0	-348.2	1,284.6	1,263.0	21.61	59.440		
4,500.0	4,350.4	4,205.5	4,174.2	21.0	11.4	-170.10	-23.0	-352.7	1,296.8	1,275.0	21.82	59.423		
4,600.0	4,446.7	4,297.2	4,264.4	21.4	11.8	-170.03	-19.6	-368.5	1,336.2	1,313.7	22.51	59.374		
4,700.0	4,544.2	4,390.7	4,356.5	21.8	12.1	-169.90	-16.0	-384.7	1,370.9	1,347.7	23.13	59.271		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Valley Farms G - Valley Farms G 32D-14-06-92 - Wellbore #1 - Design #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,800.0	4,642.8	4,485.8	4,450.1	22.1	12.5	-169.73	-12.4	-401.2	1,400.7	1,377.0	23.69	59.123		
4,900.0	4,742.2	4,582.2	4,545.0	22.3	12.9	-169.50	-8.8	-417.9	1,425.6	1,401.4	24.19	58.941		
5,000.0	4,842.0	4,679.7	4,640.9	22.5	13.3	-169.21	-5.1	-434.7	1,445.6	1,420.9	24.61	58.729		
5,070.1	4,912.0	4,841.4	4,801.0	22.6	13.7	-115.84	-0.3	-456.6	1,454.6	1,429.5	25.05	58.065		
5,100.0	4,941.9	4,916.2	4,875.5	22.6	13.8	-115.70	0.9	-462.3	1,456.4	1,431.2	25.25	57.669		
5,200.0	5,041.9	5,082.6	5,041.9	22.7	14.1	-115.62	1.6	-465.4	1,457.4	1,431.7	25.72	56.660		
5,300.0	5,141.9	5,182.6	5,141.9	22.8	14.3	-115.62	1.6	-465.4	1,457.4	1,431.3	26.08	55.878		
5,400.0	5,241.9	5,282.6	5,241.9	22.9	14.5	-115.62	1.6	-465.4	1,457.4	1,431.0	26.45	55.108		
5,500.0	5,341.9	5,382.6	5,341.9	23.0	14.6	-115.62	1.6	-465.4	1,457.4	1,430.6	26.81	54.353		
5,600.0	5,441.9	5,482.6	5,441.9	23.1	14.8	-115.62	1.6	-465.4	1,457.4	1,430.2	27.18	53.613		
5,700.0	5,541.9	5,582.6	5,541.9	23.3	15.0	-115.62	1.6	-465.4	1,457.4	1,429.9	27.56	52.889		
5,800.0	5,641.9	5,682.6	5,641.9	23.4	15.2	-115.62	1.6	-465.4	1,457.4	1,429.5	27.93	52.180		
5,900.0	5,741.9	5,782.6	5,741.9	23.5	15.3	-115.62	1.6	-465.4	1,457.4	1,429.1	28.31	51.486		
6,000.0	5,841.9	5,882.6	5,841.9	23.6	15.5	-115.62	1.6	-465.4	1,457.4	1,428.7	28.69	50.807		
6,100.0	5,941.9	5,982.6	5,941.9	23.7	15.7	-115.62	1.6	-465.4	1,457.4	1,428.4	29.07	50.141		
6,200.0	6,041.9	6,082.6	6,041.9	23.8	15.9	-115.62	1.6	-465.4	1,457.4	1,428.0	29.45	49.490		
6,300.0	6,141.9	6,182.6	6,141.9	24.0	16.1	-115.62	1.6	-465.4	1,457.4	1,427.6	29.83	48.852		
6,400.0	6,241.9	6,282.6	6,241.9	24.1	16.3	-115.62	1.6	-465.4	1,457.4	1,427.2	30.22	48.228		
6,500.0	6,341.9	6,382.6	6,341.9	24.2	16.4	-115.62	1.6	-465.4	1,457.4	1,426.8	30.61	47.617		
6,600.0	6,441.9	6,482.6	6,441.9	24.3	16.6	-115.62	1.6	-465.4	1,457.4	1,426.4	31.00	47.018		
6,700.0	6,541.9	6,582.6	6,541.9	24.5	16.8	-115.62	1.6	-465.4	1,457.4	1,426.0	31.39	46.432		
6,800.0	6,641.9	6,682.6	6,641.9	24.6	17.0	-115.62	1.6	-465.4	1,457.4	1,425.6	31.78	45.859		
6,900.0	6,741.9	6,782.6	6,741.9	24.7	17.2	-115.62	1.6	-465.4	1,457.4	1,425.2	32.17	45.297		
7,000.0	6,841.9	6,882.6	6,841.9	24.9	17.4	-115.62	1.6	-465.4	1,457.4	1,424.8	32.57	44.747		
7,100.0	6,941.9	6,982.6	6,941.9	25.0	17.6	-115.62	1.6	-465.4	1,457.4	1,424.5	32.97	44.208		
7,200.0	7,041.9	7,082.6	7,041.9	25.1	17.8	-115.62	1.6	-465.4	1,457.4	1,424.1	33.37	43.680		
7,300.0	7,141.9	7,182.6	7,141.9	25.3	18.0	-115.62	1.6	-465.4	1,457.4	1,423.7	33.76	43.164		
7,400.0	7,241.9	7,282.6	7,241.9	25.4	18.2	-115.62	1.6	-465.4	1,457.4	1,423.3	34.17	42.657		
7,500.0	7,341.9	7,382.6	7,341.9	25.5	18.4	-115.62	1.6	-465.4	1,457.4	1,422.9	34.57	42.161		
7,555.1	7,397.0	7,437.7	7,397.0	25.6	18.5	-115.62	1.6	-465.4	1,457.4	1,422.6	34.79	41.892		

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 33A-14-06-92 - Wellbore #1 - Design #1													Offset Well Error:	0.0 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-56.08	15.1	-22.4	27.0					
100.0	100.0	100.0	100.0	0.1	0.1	-56.08	15.1	-22.4	27.0	26.8	0.19	144.913		
200.0	200.0	200.0	200.0	0.3	0.3	-56.08	15.1	-22.4	27.0	26.4	0.64	42.501		
300.0	300.0	300.0	300.0	0.5	0.5	-56.08	15.1	-22.4	27.0	25.9	1.09	24.902		
400.0	400.0	400.0	400.0	0.8	0.8	-56.08	15.1	-22.4	27.0	25.5	1.54	17.610		
500.0	500.0	500.0	500.0	1.0	1.0	-56.08	15.1	-22.4	27.0	25.0	1.98	13.622		
600.0	600.0	600.0	600.0	1.2	1.2	-56.08	15.1	-22.4	27.0	24.6	2.43	11.106		
700.0	700.0	700.0	700.0	1.4	1.4	-56.08	15.1	-22.4	27.0	24.2	2.88	9.375		
800.0	800.0	800.0	800.0	1.7	1.7	-56.08	15.1	-22.4	27.0	23.7	3.33	8.110		
900.0	900.0	900.0	900.0	1.9	1.9	-56.08	15.1	-22.4	27.0	23.3	3.78	7.147		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-56.08	15.1	-22.4	27.0	22.8	4.23	6.388		
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	-56.08	15.1	-22.4	27.0	22.5	4.57	5.916 CC		
1,100.0	1,100.0	1,100.2	1,100.2	2.3	2.3	-139.35	15.0	-22.3	27.1	22.4	4.67	5.792 ES		
1,175.0	1,174.9	1,175.9	1,175.9	2.5	2.5	-143.26	14.1	-21.0	27.7	22.7	4.96	5.575		
1,200.0	1,199.9	1,201.1	1,201.1	2.5	2.5	-138.60	13.5	-20.1	28.0	22.9	5.06	5.530		
1,300.0	1,299.3	1,301.7	1,301.5	2.8	2.7	-141.96	10.1	-15.0	29.6	24.2	5.45	5.434 SF		
1,400.0	1,398.1	1,401.5	1,400.8	3.0	2.9	-160.22	4.7	-7.1	35.8	30.0	5.84	6.139		
1,500.0	1,495.6	1,499.8	1,498.3	3.3	3.2	-176.98	-2.3	3.0	50.8	44.6	6.25	8.139		
1,604.7	1,596.1	1,600.8	1,598.2	3.7	3.4	172.19	-11.1	15.3	75.9	69.1	6.72	11.292		
1,700.0	1,686.8	1,691.7	1,687.7	4.2	3.7	165.26	-20.4	28.1	103.1	95.8	7.27	14.175		
1,800.0	1,782.0	1,786.1	1,780.2	4.7	4.0	160.11	-31.5	43.2	132.7	124.8	7.91	16.777		
1,900.0	1,877.1	1,876.7	1,869.3	5.2	4.3	157.63	-42.5	55.2	164.6	156.1	8.51	19.344		
2,000.0	1,972.2	1,966.0	1,957.7	5.7	4.5	157.31	-53.1	62.2	199.0	190.0	9.07	21.956		
2,100.0	2,067.3	2,053.5	2,044.5	6.3	4.7	158.18	-63.2	64.4	235.8	226.3	9.58	24.608		
2,200.0	2,162.5	2,138.7	2,129.2	6.9	4.9	159.71	-72.7	62.0	275.1	265.0	10.05	27.366		
2,300.0	2,257.6	2,221.3	2,211.1	7.5	5.1	161.57	-81.6	55.5	316.9	306.4	10.48	30.233		
2,400.0	2,352.7	2,300.0	2,288.7	8.0	5.2	163.54	-89.7	45.4	361.5	350.6	10.88	33.220		
2,500.0	2,447.8	2,379.5	2,366.5	8.6	5.4	165.65	-97.6	31.5	408.8	397.5	11.26	36.314		
2,600.0	2,542.9	2,463.6	2,448.6	9.2	5.5	167.67	-105.8	14.7	457.8	446.2	11.63	39.378		
2,700.0	2,638.1	2,549.6	2,532.5	9.9	5.7	169.35	-114.2	-2.4	507.2	495.2	12.00	42.254		
2,800.0	2,733.2	2,635.7	2,616.4	10.5	5.9	170.74	-122.5	-19.6	556.9	544.5	12.42	44.848		
2,900.0	2,828.3	2,721.7	2,700.3	11.1	6.1	171.90	-130.9	-36.7	606.8	594.0	12.82	47.333		
3,000.0	2,923.4	2,807.8	2,784.2	11.7	6.4	172.89	-139.3	-53.9	656.9	643.7	13.24	49.618		
3,100.0	3,018.6	2,893.8	2,868.1	12.3	6.7	173.73	-147.6	-71.0	707.1	693.4	13.67	51.729		
3,200.0	3,113.7	2,979.9	2,952.0	12.9	7.0	174.47	-156.0	-88.2	757.4	743.3	14.11	53.691		
3,300.0	3,208.8	3,065.9	3,035.9	13.5	7.3	175.12	-164.3	-105.3	807.8	793.2	14.55	55.499		
3,400.0	3,303.9	3,152.0	3,119.8	14.1	7.6	175.69	-172.7	-122.5	858.2	843.2	15.00	57.197		
3,500.0	3,399.1	3,238.0	3,203.7	14.8	8.0	176.20	-181.1	-139.6	908.7	893.2	15.46	58.776		
3,600.0	3,494.2	3,324.1	3,287.6	15.4	8.3	176.65	-189.4	-156.8	959.2	943.3	15.92	60.249		
3,700.0	3,589.3	3,410.1	3,371.5	16.0	8.6	177.06	-197.8	-173.9	1,009.8	993.4	16.39	61.625		
3,800.0	3,684.4	3,496.2	3,455.4	16.6	9.0	177.43	-206.2	-191.0	1,060.4	1,043.6	16.86	62.911		
3,900.0	3,779.6	3,582.2	3,539.3	17.2	9.4	177.77	-214.5	-208.2	1,111.1	1,093.8	17.33	64.114		
4,000.0	3,874.7	3,668.2	3,623.2	17.9	9.7	178.08	-222.9	-225.3	1,161.8	1,144.0	17.81	65.242		
4,100.0	3,969.8	3,754.3	3,707.1	18.5	10.1	178.36	-231.2	-242.5	1,212.5	1,194.2	18.29	66.303		
4,200.0	4,064.9	3,840.3	3,791.0	19.1	10.5	178.62	-239.6	-259.6	1,263.2	1,244.4	18.77	67.300		
4,300.0	4,160.1	3,926.4	3,874.9	19.7	10.8	178.86	-248.0	-276.8	1,313.9	1,294.7	19.25	68.239		
4,400.0	4,255.2	4,012.4	3,958.8	20.4	11.2	179.08	-256.3	-293.9	1,364.7	1,345.0	19.74	69.125		
4,471.2	4,322.9	4,073.7	4,018.6	20.8	11.5	179.23	-262.3	-306.1	1,400.8	1,380.7	20.09	69.724		
4,500.0	4,350.4	4,098.6	4,042.9	21.0	11.6	179.29	-264.7	-311.1	1,415.3	1,395.0	20.28	69.791		
4,600.0	4,446.7	4,186.6	4,128.7	21.4	12.0	179.50	-273.3	-328.6	1,462.5	1,441.6	20.88	70.043		
4,700.0	4,544.2	4,277.1	4,216.9	21.8	12.4	179.68	-282.0	-346.6	1,505.0	1,483.5	21.43	70.234		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 33A-14-06-92 - Wellbore #1 - Design #1													Offset Well Error:	0.0 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,800.0	4,642.8	4,369.6	4,307.1	22.1	12.8	179.85	-291.0	-365.1	1,542.7	1,520.8	21.92	70.375		
4,900.0	4,742.2	4,463.9	4,399.1	22.3	13.2	-179.99	-300.2	-383.9	1,575.5	1,553.2	22.36	70.476		
5,000.0	4,842.0	4,559.9	4,492.6	22.5	13.7	-179.84	-309.5	-403.0	1,603.4	1,580.7	22.73	70.544		
5,070.1	4,912.0	4,627.9	4,559.0	22.6	14.0	-126.84	-316.1	-416.6	1,619.9	1,597.0	22.95	70.572		
5,100.0	4,941.9	4,766.9	4,695.4	22.6	14.5	-126.67	-327.7	-440.3	1,625.7	1,602.4	23.31	69.731		
5,200.0	5,041.9	5,114.6	5,041.9	22.7	15.2	-126.52	-337.7	-460.8	1,629.4	1,605.2	24.18	67.380		
5,300.0	5,141.9	5,214.6	5,141.9	22.8	15.3	-126.52	-337.7	-460.8	1,629.4	1,604.8	24.55	66.363		
5,400.0	5,241.9	5,314.6	5,241.9	22.9	15.5	-126.52	-337.7	-460.8	1,629.4	1,604.5	24.93	65.369		
5,500.0	5,341.9	5,414.6	5,341.9	23.0	15.6	-126.52	-337.7	-460.8	1,629.4	1,604.1	25.30	64.398		
5,600.0	5,441.9	5,514.6	5,441.9	23.1	15.8	-126.52	-337.7	-460.8	1,629.4	1,603.7	25.68	63.450		
5,700.0	5,541.9	5,614.6	5,541.9	23.3	15.9	-126.52	-337.7	-460.8	1,629.4	1,603.3	26.06	62.524		
5,800.0	5,641.9	5,714.6	5,641.9	23.4	16.1	-126.52	-337.7	-460.8	1,629.4	1,603.0	26.44	61.620		
5,900.0	5,741.9	5,814.6	5,741.9	23.5	16.2	-126.52	-337.7	-460.8	1,629.4	1,602.6	26.83	60.737		
6,000.0	5,841.9	5,914.6	5,841.9	23.6	16.4	-126.52	-337.7	-460.8	1,629.4	1,602.2	27.21	59.874		
6,100.0	5,941.9	6,014.6	5,941.9	23.7	16.5	-126.52	-337.7	-460.8	1,629.4	1,601.8	27.60	59.032		
6,200.0	6,041.9	6,114.6	6,041.9	23.8	16.7	-126.52	-337.7	-460.8	1,629.4	1,601.4	27.99	58.209		
6,300.0	6,141.9	6,214.6	6,141.9	24.0	16.9	-126.52	-337.7	-460.8	1,629.4	1,601.0	28.38	57.405		
6,400.0	6,241.9	6,314.6	6,241.9	24.1	17.0	-126.52	-337.7	-460.8	1,629.4	1,600.6	28.78	56.620		
6,500.0	6,341.9	6,414.6	6,341.9	24.2	17.2	-126.52	-337.7	-460.8	1,629.4	1,600.2	29.17	55.853		
6,600.0	6,441.9	6,514.6	6,441.9	24.3	17.4	-126.52	-337.7	-460.8	1,629.4	1,599.8	29.57	55.103		
6,700.0	6,541.9	6,614.6	6,541.9	24.5	17.5	-126.52	-337.7	-460.8	1,629.4	1,599.4	29.97	54.371		
6,800.0	6,641.9	6,714.6	6,641.9	24.6	17.7	-126.52	-337.7	-460.8	1,629.4	1,599.0	30.37	53.656		
6,900.0	6,741.9	6,814.6	6,741.9	24.7	17.9	-126.52	-337.7	-460.8	1,629.4	1,598.6	30.77	52.956		
7,000.0	6,841.9	6,914.6	6,841.9	24.9	18.0	-126.52	-337.7	-460.8	1,629.4	1,598.2	31.17	52.273		
7,100.0	6,941.9	7,014.6	6,941.9	25.0	18.2	-126.52	-337.7	-460.8	1,629.4	1,597.8	31.57	51.605		
7,200.0	7,041.9	7,114.6	7,041.9	25.1	18.4	-126.52	-337.7	-460.8	1,629.4	1,597.4	31.98	50.952		
7,300.0	7,141.9	7,214.6	7,141.9	25.3	18.6	-126.52	-337.7	-460.8	1,629.4	1,597.0	32.39	50.313		
7,400.0	7,241.9	7,314.6	7,241.9	25.4	18.7	-126.52	-337.7	-460.8	1,629.4	1,596.6	32.79	49.688		
7,500.0	7,341.9	7,414.6	7,341.9	25.5	18.9	-126.52	-337.7	-460.8	1,629.4	1,596.2	33.20	49.078		
7,555.1	7,397.0	7,469.6	7,397.0	25.6	19.0	-126.52	-337.7	-460.8	1,629.4	1,596.0	33.43	48.747		

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Valley Farms G - Valley Farms G 33B-14-06-92 - Wellbore #1 - Design #1		Offset Site Error:		0.0 usft
Survey Program: 0-MWD													Offset Well Error:		0.0 usft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
0.0	0.0	0.0	0.0	0.0	0.0	-123.46	-14.9	-22.6	27.0								
100.0	100.0	100.0	100.0	0.1	0.1	-123.46	-14.9	-22.6	27.0	26.8	0.19	144.913					
200.0	200.0	200.0	200.0	0.3	0.3	-123.46	-14.9	-22.6	27.0	26.4	0.64	42.501					
300.0	300.0	300.0	300.0	0.5	0.5	-123.46	-14.9	-22.6	27.0	25.9	1.09	24.902					
400.0	400.0	400.0	400.0	0.8	0.8	-123.46	-14.9	-22.6	27.0	25.5	1.54	17.610					
500.0	500.0	500.0	500.0	1.0	1.0	-123.46	-14.9	-22.6	27.0	25.0	1.98	13.622					
600.0	600.0	600.0	600.0	1.2	1.2	-123.46	-14.9	-22.6	27.0	24.6	2.43	11.106					
700.0	700.0	700.0	700.0	1.4	1.4	-123.46	-14.9	-22.6	27.0	24.2	2.88	9.375					
800.0	800.0	800.0	800.0	1.7	1.7	-123.46	-14.9	-22.6	27.0	23.7	3.33	8.110					
900.0	900.0	900.0	900.0	1.9	1.9	-123.46	-14.9	-22.6	27.0	23.3	3.78	7.147					
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-123.46	-14.9	-22.6	27.0	22.8	4.23	6.388					
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	-123.46	-14.9	-22.6	27.0	22.5	4.57	5.916 CC, ES					
1,100.0	1,100.0	1,099.6	1,099.6	2.3	2.3	153.63	-15.0	-22.7	27.4	22.7	4.67	5.863 SF					
1,175.0	1,174.9	1,173.2	1,173.1	2.5	2.5	154.81	-17.0	-24.6	32.7	27.7	4.96	6.593					
1,200.0	1,199.9	1,197.8	1,197.7	2.5	2.5	162.85	-17.7	-25.8	35.7	30.7	5.06	7.054					
1,300.0	1,299.3	1,295.0	1,294.5	2.8	2.7	-178.62	-18.7	-33.6	53.2	47.8	5.49	9.703					
1,400.0	1,398.1	1,389.3	1,388.1	3.0	3.0	-168.62	-16.5	-45.6	79.6	73.7	5.90	13.482					
1,500.0	1,495.6	1,481.7	1,479.2	3.3	3.2	-163.48	-13.5	-60.2	114.0	107.7	6.30	18.099					
1,604.7	1,596.1	1,575.8	1,572.3	3.7	3.4	-163.13	-15.3	-74.4	156.6	149.9	6.66	23.497					
1,700.0	1,686.8	1,658.9	1,654.2	4.2	3.6	-165.96	-21.3	-86.0	199.1	192.0	7.05	28.242					
1,800.0	1,782.0	1,743.9	1,737.9	4.7	3.9	-168.97	-31.8	-97.1	245.2	237.7	7.45	32.893					
1,900.0	1,877.1	1,826.6	1,818.8	5.2	4.1	-171.90	-46.0	-107.1	293.1	285.2	7.87	37.261					
2,000.0	1,972.2	1,912.4	1,902.2	5.7	4.4	-174.54	-63.2	-116.8	342.4	334.1	8.29	41.306					
2,100.0	2,067.3	1,998.4	1,985.9	6.3	4.7	-176.54	-80.4	-126.7	392.1	383.4	8.72	44.954					
2,200.0	2,162.5	2,084.4	2,069.7	6.9	5.0	-178.10	-97.6	-136.5	442.1	432.9	9.17	48.209					
2,300.0	2,257.6	2,170.5	2,153.4	7.5	5.3	-179.34	-114.8	-146.3	492.3	482.7	9.63	51.133					
2,400.0	2,352.7	2,256.5	2,237.1	8.0	5.6	179.65	-132.0	-156.1	542.6	532.5	10.10	53.729					
2,500.0	2,447.8	2,342.6	2,320.9	8.6	6.0	178.81	-149.2	-166.0	593.1	582.5	10.57	56.101					
2,600.0	2,542.9	2,428.6	2,404.6	9.2	6.4	178.10	-166.4	-175.8	643.6	632.5	11.05	58.227					
2,700.0	2,638.1	2,514.6	2,488.3	9.9	6.7	177.49	-183.6	-185.6	694.2	682.7	11.54	60.149					
2,800.0	2,733.2	2,600.7	2,572.0	10.5	7.1	176.96	-200.8	-195.4	744.8	732.8	12.03	61.890					
2,900.0	2,828.3	2,686.7	2,655.8	11.1	7.5	176.50	-218.0	-205.3	795.5	783.0	12.53	63.468					
3,000.0	2,923.4	2,772.8	2,739.5	11.7	7.9	176.10	-235.1	-215.1	846.2	833.2	13.04	64.907					
3,100.0	3,018.6	2,858.8	2,823.2	12.3	8.3	175.74	-252.3	-224.9	897.0	883.4	13.54	66.223					
3,200.0	3,113.7	2,944.9	2,907.0	12.9	8.6	175.42	-269.5	-234.7	947.7	933.7	14.06	67.430					
3,300.0	3,208.8	3,030.9	2,990.7	13.5	9.0	175.13	-286.7	-244.6	998.5	984.0	14.57	68.539					
3,400.0	3,303.9	3,116.9	3,074.4	14.1	9.4	174.87	-303.9	-254.4	1,049.3	1,034.2	15.09	69.561					
3,500.0	3,399.1	3,203.0	3,158.2	14.8	9.8	174.64	-321.1	-264.2	1,100.1	1,084.5	15.60	70.505					
3,600.0	3,494.2	3,289.0	3,241.9	15.4	10.2	174.42	-338.3	-274.0	1,151.0	1,134.9	16.13	71.376					
3,700.0	3,589.3	3,375.1	3,325.6	16.0	10.6	174.23	-355.5	-283.8	1,201.8	1,185.2	16.65	72.185					
3,800.0	3,684.4	3,461.1	3,409.3	16.6	11.0	174.04	-372.7	-293.7	1,252.7	1,235.5	17.17	72.937					
3,900.0	3,779.6	3,547.1	3,493.1	17.2	11.5	173.88	-389.9	-303.5	1,303.5	1,285.8	17.70	73.637					
4,000.0	3,874.7	3,633.2	3,576.8	17.9	11.9	173.72	-407.1	-313.3	1,354.4	1,336.2	18.23	74.290					
4,100.0	3,969.8	3,719.2	3,660.5	18.5	12.3	173.58	-424.3	-323.1	1,405.3	1,386.5	18.76	74.901					
4,200.0	4,064.9	3,805.3	3,744.3	19.1	12.7	173.45	-441.5	-333.0	1,456.2	1,436.9	19.29	75.473					
4,300.0	4,160.1	3,891.3	3,828.0	19.7	13.1	173.32	-458.7	-342.8	1,507.0	1,487.2	19.83	76.009					
4,400.0	4,255.2	3,977.3	3,911.7	20.4	13.5	173.21	-475.9	-352.6	1,557.9	1,537.6	20.36	76.513					
4,471.2	4,322.9	4,038.6	3,971.3	20.8	13.8	173.13	-488.2	-359.6	1,594.2	1,573.4	20.74	76.853					
4,500.0	4,350.4	4,063.5	3,995.6	21.0	13.9	173.16	-493.1	-362.4	1,608.6	1,587.7	20.95	76.779					
4,600.0	4,446.7	4,151.5	4,081.2	21.4	14.3	173.23	-510.7	-372.5	1,656.0	1,634.3	21.62	76.591					
4,700.0	4,544.2	4,241.9	4,169.1	21.8	14.8	173.25	-528.8	-382.8	1,698.7	1,676.4	22.24	76.386					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 33B-14-06-92 - Wellbore #1 - Design #1													Offset Well Error:	0.0 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,800.0	4,642.8	4,334.3	4,259.1	22.1	15.2	173.24	-547.3	-393.4	1,736.6	1,713.8	22.80	76.172		
4,900.0	4,742.2	4,428.5	4,350.8	22.3	15.7	173.20	-566.1	-404.1	1,769.7	1,746.4	23.30	75.957		
5,000.0	4,842.0	4,524.3	4,444.0	22.5	16.1	173.12	-585.2	-415.1	1,797.9	1,774.1	23.73	75.747		
5,070.1	4,912.0	4,592.2	4,510.0	22.6	16.5	-134.07	-598.8	-422.8	1,814.6	1,790.6	24.00	75.602		
5,100.0	4,941.9	4,621.3	4,538.4	22.6	16.6	-134.13	-604.6	-426.1	1,821.2	1,797.1	24.13	75.465		
5,200.0	5,041.9	5,130.3	5,041.9	22.7	18.0	-134.66	-658.4	-456.8	1,835.5	1,810.1	25.43	72.170		
5,300.0	5,141.9	5,230.3	5,141.9	22.8	18.1	-134.66	-658.4	-456.8	1,835.5	1,809.7	25.78	71.209		
5,400.0	5,241.9	5,330.3	5,241.9	22.9	18.2	-134.66	-658.4	-456.8	1,835.5	1,809.4	26.12	70.264		
5,500.0	5,341.9	5,430.3	5,341.9	23.0	18.4	-134.66	-658.4	-456.8	1,835.5	1,809.0	26.47	69.336		
5,600.0	5,441.9	5,530.3	5,441.9	23.1	18.5	-134.66	-658.4	-456.8	1,835.5	1,808.7	26.83	68.424		
5,700.0	5,541.9	5,630.3	5,541.9	23.3	18.6	-134.66	-658.4	-456.8	1,835.5	1,808.3	27.18	67.529		
5,800.0	5,641.9	5,730.3	5,641.9	23.4	18.7	-134.66	-658.4	-456.8	1,835.5	1,808.0	27.54	66.650		
5,900.0	5,741.9	5,830.3	5,741.9	23.5	18.8	-134.66	-658.4	-456.8	1,835.5	1,807.6	27.90	65.788		
6,000.0	5,841.9	5,930.3	5,841.9	23.6	19.0	-134.66	-658.4	-456.8	1,835.5	1,807.2	28.26	64.941		
6,100.0	5,941.9	6,030.3	5,941.9	23.7	19.1	-134.66	-658.4	-456.8	1,835.5	1,806.9	28.63	64.111		
6,200.0	6,041.9	6,130.3	6,041.9	23.8	19.2	-134.66	-658.4	-456.8	1,835.5	1,806.5	29.00	63.297		
6,300.0	6,141.9	6,230.3	6,141.9	24.0	19.4	-134.66	-658.4	-456.8	1,835.5	1,806.1	29.37	62.498		
6,400.0	6,241.9	6,330.3	6,241.9	24.1	19.5	-134.66	-658.4	-456.8	1,835.5	1,805.8	29.74	61.715		
6,500.0	6,341.9	6,430.3	6,341.9	24.2	19.6	-134.66	-658.4	-456.8	1,835.5	1,805.4	30.12	60.946		
6,600.0	6,441.9	6,530.3	6,441.9	24.3	19.8	-134.66	-658.4	-456.8	1,835.5	1,805.0	30.49	60.193		
6,700.0	6,541.9	6,630.3	6,541.9	24.5	19.9	-134.66	-658.4	-456.8	1,835.5	1,804.6	30.87	59.454		
6,800.0	6,641.9	6,730.3	6,641.9	24.6	20.1	-134.66	-658.4	-456.8	1,835.5	1,804.3	31.25	58.730		
6,900.0	6,741.9	6,830.3	6,741.9	24.7	20.2	-134.66	-658.4	-456.8	1,835.5	1,803.9	31.64	58.020		
7,000.0	6,841.9	6,930.3	6,841.9	24.9	20.3	-134.66	-658.4	-456.8	1,835.5	1,803.5	32.02	57.323		
7,100.0	6,941.9	7,030.3	6,941.9	25.0	20.5	-134.66	-658.4	-456.8	1,835.5	1,803.1	32.41	56.641		
7,200.0	7,041.9	7,130.3	7,041.9	25.1	20.6	-134.66	-658.4	-456.8	1,835.5	1,802.7	32.79	55.971		
7,300.0	7,141.9	7,230.3	7,141.9	25.3	20.8	-134.66	-658.4	-456.8	1,835.5	1,802.3	33.18	55.315		
7,400.0	7,241.9	7,330.3	7,241.9	25.4	20.9	-134.66	-658.4	-456.8	1,835.5	1,801.9	33.57	54.671		
7,500.0	7,341.9	7,430.3	7,341.9	25.5	21.1	-134.66	-658.4	-456.8	1,835.5	1,801.5	33.97	54.040		
7,555.1	7,397.0	7,485.4	7,397.0	25.6	21.2	-134.66	-658.4	-456.8	1,835.5	1,801.3	34.18	53.697		

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 33C-14-06-92 - Wellbore #1 - Design #1													Offset Well Error:	0.0 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-147.04	-34.9	-22.6	41.6					
100.0	100.0	100.0	100.0	0.1	0.1	-147.04	-34.9	-22.6	41.6	41.4	0.19	222.974		
200.0	200.0	200.0	200.0	0.3	0.3	-147.04	-34.9	-22.6	41.6	41.0	0.64	65.395		
300.0	300.0	300.0	300.0	0.5	0.5	-147.04	-34.9	-22.6	41.6	40.5	1.09	38.317		
400.0	400.0	400.0	400.0	0.8	0.8	-147.04	-34.9	-22.6	41.6	40.1	1.54	27.096		
500.0	500.0	500.0	500.0	1.0	1.0	-147.04	-34.9	-22.6	41.6	39.6	1.98	20.959		
600.0	600.0	600.0	600.0	1.2	1.2	-147.04	-34.9	-22.6	41.6	39.2	2.43	17.089		
700.0	700.0	700.0	700.0	1.4	1.4	-147.04	-34.9	-22.6	41.6	38.7	2.88	14.425		
800.0	800.0	800.0	800.0	1.7	1.7	-147.04	-34.9	-22.6	41.6	38.3	3.33	12.479		
900.0	900.0	900.0	900.0	1.9	1.9	-147.04	-34.9	-22.6	41.6	37.8	3.78	10.996		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-147.04	-34.9	-22.6	41.6	37.4	4.23	9.828		
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	-147.04	-34.9	-22.6	41.6	37.0	4.57	9.103 CC, ES		
1,100.0	1,100.0	1,099.8	1,099.8	2.3	2.3	130.09	-35.0	-22.6	41.8	37.1	4.67	8.947 SF		
1,175.0	1,174.9	1,174.0	1,174.0	2.5	2.5	131.85	-36.3	-22.6	44.7	39.8	4.95	9.033		
1,200.0	1,199.9	1,198.6	1,198.6	2.5	2.5	139.77	-37.0	-22.6	46.5	41.5	5.05	9.226		
1,300.0	1,299.3	1,297.0	1,296.8	2.8	2.7	155.34	-41.7	-22.4	59.0	53.5	5.44	10.837		
1,400.0	1,398.1	1,395.1	1,394.8	3.0	2.9	162.06	-47.2	-22.2	78.1	72.2	5.83	13.389		
1,500.0	1,495.6	1,491.9	1,491.4	3.3	3.1	165.99	-52.6	-22.0	103.1	96.9	6.21	16.606		
1,604.7	1,596.1	1,591.3	1,590.7	3.7	3.3	168.67	-58.1	-21.8	135.6	129.0	6.59	20.567		
1,700.0	1,686.8	1,680.9	1,680.2	4.2	3.5	169.38	-63.1	-21.6	168.1	161.1	7.01	23.978		
1,800.0	1,782.0	1,774.9	1,774.0	4.7	3.7	169.88	-68.4	-21.5	202.3	194.8	7.46	27.102		
1,900.0	1,877.1	1,858.8	1,857.7	5.2	3.8	170.08	-74.7	-22.2	238.4	230.5	7.92	30.107		
2,000.0	1,972.2	1,939.8	1,938.1	5.7	4.0	170.02	-83.8	-24.6	278.4	270.0	8.39	33.196		
2,100.0	2,067.3	2,017.9	2,015.3	6.3	4.3	169.82	-95.4	-28.5	322.1	313.2	8.86	36.352		
2,200.0	2,162.5	2,100.0	2,095.7	6.9	4.5	169.51	-110.5	-34.2	369.3	359.9	9.35	39.485		
2,300.0	2,257.6	2,164.8	2,158.8	7.5	4.7	169.22	-124.6	-40.0	419.6	409.8	9.82	42.748		
2,400.0	2,352.7	2,233.7	2,225.1	8.0	5.0	168.88	-141.6	-47.2	473.1	462.8	10.29	45.954		
2,500.0	2,447.8	2,300.0	2,288.3	8.6	5.3	168.54	-159.9	-55.3	529.4	518.6	10.77	49.145		
2,600.0	2,542.9	2,362.1	2,346.9	9.2	5.6	168.21	-178.8	-63.9	588.5	577.2	11.25	52.292		
2,700.0	2,638.1	2,423.7	2,404.2	9.9	5.9	167.89	-199.1	-73.2	650.0	638.3	11.74	55.372		
2,800.0	2,733.2	2,501.7	2,476.5	10.5	6.3	167.52	-225.6	-85.6	712.6	700.3	12.25	58.167		
2,900.0	2,828.3	2,579.6	2,548.7	11.1	6.8	167.21	-252.1	-97.9	775.2	762.4	12.77	60.703		
3,000.0	2,923.4	2,657.5	2,621.0	11.7	7.3	166.95	-278.7	-110.3	837.8	824.5	13.29	63.033		
3,100.0	3,018.6	2,735.5	2,693.2	12.3	7.8	166.72	-305.2	-122.6	900.4	886.5	13.82	65.167		
3,200.0	3,113.7	2,813.4	2,765.4	12.9	8.3	166.53	-331.7	-135.0	963.0	948.6	14.35	67.126		
3,300.0	3,208.8	2,891.4	2,837.7	13.5	8.8	166.35	-358.2	-147.3	1,025.6	1,010.7	14.88	68.921		
3,400.0	3,303.9	2,969.3	2,909.9	14.1	9.3	166.20	-384.8	-159.6	1,088.2	1,072.8	15.42	70.571		
3,500.0	3,399.1	3,047.2	2,982.1	14.8	9.9	166.06	-411.3	-172.0	1,150.8	1,134.8	15.96	72.098		
3,600.0	3,494.2	3,125.2	3,054.4	15.4	10.4	165.94	-437.8	-184.3	1,213.4	1,196.9	16.51	73.512		
3,700.0	3,589.3	3,203.1	3,126.6	16.0	10.9	165.83	-464.3	-196.7	1,276.1	1,259.0	17.05	74.825		
3,800.0	3,684.4	3,281.1	3,198.9	16.6	11.5	165.73	-490.9	-209.0	1,338.7	1,321.1	17.61	76.040		
3,900.0	3,779.6	3,359.0	3,271.1	17.2	12.0	165.64	-517.4	-221.3	1,401.3	1,383.2	18.16	77.172		
4,000.0	3,874.7	3,436.9	3,343.3	17.9	12.6	165.56	-543.9	-233.7	1,464.0	1,445.2	18.71	78.230		
4,100.0	3,969.8	3,514.9	3,415.6	18.5	13.2	165.48	-570.4	-246.0	1,526.6	1,507.3	19.27	79.219		
4,200.0	4,064.9	3,592.8	3,487.8	19.1	13.7	165.41	-597.0	-258.4	1,589.2	1,569.4	19.83	80.144		
4,300.0	4,160.1	3,670.7	3,560.1	19.7	14.3	165.35	-623.5	-270.7	1,651.9	1,631.5	20.39	81.009		
4,400.0	4,255.2	3,748.7	3,632.3	20.4	14.8	165.29	-650.0	-283.1	1,714.5	1,693.6	20.95	81.823		
4,471.2	4,322.9	3,804.2	3,683.7	20.8	15.2	165.25	-668.9	-291.8	1,759.1	1,737.7	21.35	82.374		
4,500.0	4,350.4	3,826.7	3,704.7	21.0	15.4	165.40	-676.6	-295.4	1,777.0	1,755.4	21.57	82.377		
4,600.0	4,446.7	3,907.1	3,779.1	21.4	16.0	165.86	-703.9	-308.1	1,836.5	1,814.2	22.27	82.458		
4,700.0	4,544.2	3,990.3	3,856.3	21.8	16.6	166.21	-732.3	-321.3	1,891.8	1,868.8	22.93	82.490		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 33C-14-06-92 - Wellbore #1 - Design #1													Offset Well Error:	0.0 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,800.0	4,642.8	4,076.1	3,935.8	22.1	17.2	166.46	-761.5	-334.9	1,942.8	1,919.3	23.55	82.498		
4,900.0	4,742.2	4,164.4	4,017.6	22.3	17.8	166.62	-791.5	-348.9	1,989.4	1,965.3	24.11	82.497		
5,000.0	4,842.0	4,254.8	4,101.4	22.5	18.5	166.71	-822.3	-363.2	2,031.5	2,006.8	24.62	82.500		
5,070.1	4,912.0	4,319.3	4,161.2	22.6	19.0	-140.38	-844.2	-373.4	2,058.2	2,033.2	24.94	82.509		
5,100.0	4,941.9	4,347.1	4,186.9	22.6	19.2	-140.46	-853.7	-377.8	2,069.1	2,044.0	25.09	82.472		
5,200.0	5,041.9	5,227.0	5,041.9	22.7	22.3	-141.66	-1,012.7	-451.8	2,096.6	2,069.2	27.39	76.555		
5,300.0	5,141.9	5,327.0	5,141.9	22.8	22.4	-141.66	-1,012.7	-451.8	2,096.6	2,068.9	27.71	75.675		
5,400.0	5,241.9	5,427.0	5,241.9	22.9	22.5	-141.66	-1,012.7	-451.8	2,096.6	2,068.6	28.03	74.805		
5,500.0	5,341.9	5,527.0	5,341.9	23.0	22.6	-141.66	-1,012.7	-451.8	2,096.6	2,068.3	28.35	73.947		
5,600.0	5,441.9	5,627.0	5,441.9	23.1	22.7	-141.66	-1,012.7	-451.8	2,096.6	2,067.9	28.68	73.099		
5,700.0	5,541.9	5,727.0	5,541.9	23.3	22.8	-141.66	-1,012.7	-451.8	2,096.6	2,067.6	29.01	72.263		
5,800.0	5,641.9	5,827.0	5,641.9	23.4	22.9	-141.66	-1,012.7	-451.8	2,096.6	2,067.3	29.35	71.437		
5,900.0	5,741.9	5,927.0	5,741.9	23.5	23.0	-141.66	-1,012.7	-451.8	2,096.6	2,066.9	29.69	70.624		
6,000.0	5,841.9	6,027.0	5,841.9	23.6	23.1	-141.66	-1,012.7	-451.8	2,096.6	2,066.6	30.03	69.821		
6,100.0	5,941.9	6,127.0	5,941.9	23.7	23.2	-141.66	-1,012.7	-451.8	2,096.6	2,066.2	30.37	69.031		
6,200.0	6,041.9	6,227.0	6,041.9	23.8	23.3	-141.66	-1,012.7	-451.8	2,096.6	2,065.9	30.72	68.252		
6,300.0	6,141.9	6,327.0	6,141.9	24.0	23.4	-141.66	-1,012.7	-451.8	2,096.6	2,065.5	31.07	67.484		
6,400.0	6,241.9	6,427.0	6,241.9	24.1	23.6	-141.66	-1,012.7	-451.8	2,096.6	2,065.2	31.42	66.729		
6,500.0	6,341.9	6,527.0	6,341.9	24.2	23.7	-141.66	-1,012.7	-451.8	2,096.6	2,064.8	31.77	65.985		
6,600.0	6,441.9	6,627.0	6,441.9	24.3	23.8	-141.66	-1,012.7	-451.8	2,096.6	2,064.5	32.13	65.252		
6,700.0	6,541.9	6,727.0	6,541.9	24.5	23.9	-141.66	-1,012.7	-451.8	2,096.6	2,064.1	32.49	64.531		
6,800.0	6,641.9	6,827.0	6,641.9	24.6	24.0	-141.66	-1,012.7	-451.8	2,096.6	2,063.8	32.85	63.821		
6,900.0	6,741.9	6,927.0	6,741.9	24.7	24.1	-141.66	-1,012.7	-451.8	2,096.6	2,063.4	33.21	63.123		
7,000.0	6,841.9	7,027.0	6,841.9	24.9	24.2	-141.66	-1,012.7	-451.8	2,096.6	2,063.0	33.58	62.436		
7,100.0	6,941.9	7,127.0	6,941.9	25.0	24.4	-141.66	-1,012.7	-451.8	2,096.6	2,062.7	33.95	61.760		
7,200.0	7,041.9	7,227.0	7,041.9	25.1	24.5	-141.66	-1,012.7	-451.8	2,096.6	2,062.3	34.32	61.095		
7,300.0	7,141.9	7,327.0	7,141.9	25.3	24.6	-141.66	-1,012.7	-451.8	2,096.6	2,061.9	34.69	60.441		
7,400.0	7,241.9	7,427.0	7,241.9	25.4	24.7	-141.66	-1,012.7	-451.8	2,096.6	2,061.5	35.06	59.798		
7,500.0	7,341.9	7,527.0	7,341.9	25.5	24.9	-141.66	-1,012.7	-451.8	2,096.6	2,061.2	35.44	59.165		
7,555.1	7,397.0	7,582.1	7,397.0	25.6	24.9	-141.66	-1,012.7	-451.8	2,096.6	2,061.0	35.64	58.822		

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Valley Farms G - Valley Farms G 33D-14-06-92 - Wellbore #1 - Design #1		Offset Site Error:		0.0 usft
Survey Program: 0-MWD															Offset Well Error:		0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
0.0	0.0	0.0	0.0	0.0	0.0	-157.52	-54.9	-22.7	59.4								
100.0	100.0	96.4	96.3	0.1	0.2	-157.70	-57.6	-23.6	62.3	62.1	0.20	314.666					
200.0	200.0	192.1	191.7	0.3	0.4	-158.15	-65.6	-26.3	71.1	70.4	0.69	103.379					
300.0	300.0	286.6	285.1	0.5	0.7	-158.69	-78.6	-30.7	85.7	84.4	1.24	68.995					
400.0	400.0	379.1	375.7	0.8	1.1	-159.19	-96.3	-36.6	105.9	104.0	1.87	56.688					
500.0	500.0	469.2	462.8	1.0	1.6	-159.61	-118.2	-44.0	131.5	128.9	2.55	51.532					
600.0	600.0	564.7	554.3	1.2	2.1	-159.93	-144.1	-52.6	160.0	156.7	3.32	48.253					
700.0	700.0	660.5	646.1	1.4	2.7	-160.17	-170.0	-61.3	188.6	184.5	4.09	46.102					
800.0	800.0	756.3	738.0	1.7	3.2	-160.34	-196.0	-70.0	217.2	212.3	4.87	44.610					
900.0	900.0	852.2	829.8	1.9	3.8	-160.47	-221.9	-78.7	245.7	240.1	5.65	43.517					
1,000.0	1,000.0	948.0	921.6	2.1	4.3	-160.57	-247.9	-87.4	274.3	267.9	6.43	42.683					
1,075.0	1,075.0	1,019.9	990.5	2.3	4.8	-160.63	-267.4	-94.0	295.7	288.7	7.01	42.176 SF					
1,100.0	1,100.0	1,043.8	1,013.5	2.3	4.9	116.14	-273.8	-96.2	302.9	297.8	5.09	59.506					
1,175.0	1,174.9	1,115.3	1,081.9	2.5	5.3	115.82	-293.2	-102.6	325.6	320.1	5.44	59.870					
1,200.0	1,199.9	1,138.9	1,104.6	2.5	5.5	122.98	-299.6	-104.8	333.5	328.0	5.55	60.057					
1,300.0	1,299.3	1,232.4	1,194.1	2.8	6.0	136.81	-324.9	-113.3	368.6	362.6	6.01	61.328					
1,400.0	1,398.1	1,323.5	1,281.5	3.0	6.5	142.57	-349.6	-121.6	408.8	402.4	6.45	63.393					
1,500.0	1,495.6	1,412.0	1,366.4	3.3	7.0	145.90	-373.6	-129.6	454.2	447.3	6.87	66.083					
1,604.7	1,596.1	1,501.6	1,452.1	3.7	7.6	148.25	-397.8	-137.7	507.2	499.9	7.31	69.411					
1,700.0	1,686.8	1,581.5	1,528.8	4.2	8.0	149.57	-419.5	-145.0	558.0	550.2	7.81	71.489					
1,800.0	1,782.0	1,665.4	1,609.2	4.7	8.5	150.73	-442.2	-152.6	611.5	603.1	8.34	73.279					
1,900.0	1,877.1	1,749.3	1,689.6	5.2	9.0	151.70	-464.9	-160.2	665.1	656.3	8.90	74.764					
2,000.0	1,972.2	1,833.2	1,770.0	5.7	9.5	152.53	-487.7	-167.9	718.9	709.5	9.46	76.015					
2,100.0	2,067.3	1,917.1	1,850.3	6.3	10.0	153.25	-510.4	-175.5	772.8	762.8	10.03	77.084					
2,200.0	2,162.5	2,001.0	1,930.7	6.9	10.5	153.87	-533.1	-183.1	826.7	816.1	10.60	78.008					
2,300.0	2,257.6	2,084.8	2,011.1	7.5	11.0	154.42	-555.8	-190.7	880.7	869.6	11.17	78.814					
2,400.0	2,352.7	2,168.7	2,091.5	8.0	11.5	154.90	-578.5	-198.4	934.8	923.0	11.75	79.523					
2,500.0	2,447.8	2,252.6	2,171.9	8.6	12.0	155.33	-601.3	-206.0	988.9	976.5	12.34	80.152					
2,600.0	2,542.9	2,336.5	2,252.3	9.2	12.5	155.72	-624.0	-213.6	1,043.0	1,030.1	12.92	80.714					
2,700.0	2,638.1	2,420.4	2,332.7	9.9	12.9	156.07	-646.7	-221.2	1,097.2	1,083.7	13.51	81.218					
2,800.0	2,733.2	2,504.3	2,413.0	10.5	13.4	156.38	-669.4	-228.8	1,151.4	1,137.3	14.10	81.674					
2,900.0	2,828.3	2,588.1	2,493.4	11.1	13.9	156.67	-692.1	-236.5	1,205.6	1,190.9	14.69	82.087					
3,000.0	2,923.4	2,672.0	2,573.8	11.7	14.4	156.93	-714.9	-244.1	1,259.8	1,244.5	15.28	82.464					
3,100.0	3,018.6	2,755.9	2,654.2	12.3	14.9	157.18	-737.6	-251.7	1,314.1	1,298.2	15.87	82.808					
3,200.0	3,113.7	2,839.8	2,734.6	12.9	15.4	157.40	-760.3	-259.3	1,368.3	1,351.9	16.46	83.125					
3,300.0	3,208.8	2,923.7	2,815.0	13.5	15.9	157.60	-783.0	-266.9	1,422.6	1,405.5	17.05	83.416					
3,400.0	3,303.9	3,007.6	2,895.4	14.1	16.4	157.79	-805.7	-274.6	1,476.9	1,459.2	17.65	83.685					
3,500.0	3,399.1	3,091.4	2,975.8	14.8	16.9	157.97	-828.5	-282.2	1,531.2	1,512.9	18.24	83.934					
3,600.0	3,494.2	3,175.3	3,056.1	15.4	17.4	158.14	-851.2	-289.8	1,585.5	1,566.7	18.84	84.165					
3,700.0	3,589.3	3,259.2	3,136.5	16.0	17.9	158.29	-873.9	-297.4	1,639.8	1,620.4	19.43	84.380					
3,800.0	3,684.4	3,343.1	3,216.9	16.6	18.3	158.43	-896.6	-305.0	1,694.1	1,674.1	20.03	84.581					
3,900.0	3,779.6	3,427.0	3,297.3	17.2	18.8	158.57	-919.4	-312.7	1,748.5	1,727.8	20.63	84.769					
4,000.0	3,874.7	3,510.9	3,377.7	17.9	19.3	158.69	-942.1	-320.3	1,802.8	1,781.6	21.22	84.944					
4,100.0	3,969.8	3,594.7	3,458.1	18.5	19.8	158.81	-964.8	-327.9	1,857.1	1,835.3	21.82	85.109					
4,200.0	4,064.9	3,678.6	3,538.5	19.1	20.3	158.93	-987.5	-335.5	1,911.5	1,889.1	22.42	85.263					
4,300.0	4,160.1	3,762.5	3,618.9	19.7	20.8	159.03	-1,010.2	-343.1	1,965.9	1,942.8	23.02	85.409					
4,400.0	4,255.2	3,846.4	3,699.2	20.4	21.3	159.13	-1,033.0	-350.8	2,020.2	1,996.6	23.62	85.546					
4,471.2	4,322.9	3,906.1	3,756.5	20.8	21.6	159.20	-1,049.1	-356.2	2,058.9	2,034.9	24.04	85.639					
4,500.0	4,350.4	3,930.4	3,779.7	21.0	21.8	159.42	-1,055.7	-358.4	2,074.4	2,050.1	24.29	85.388					
4,600.0	4,446.7	4,016.3	3,862.1	21.4	22.3	160.08	-1,079.0	-366.2	2,125.5	2,100.4	25.11	84.661					
4,700.0	4,544.2	4,104.7	3,946.8	21.8	22.8	160.61	-1,102.9	-374.2	2,172.3	2,146.4	25.87	83.982					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design														Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 33D-14-06-92 - Wellbore #1 - Design #1														Offset Well Error:	0.0 usft
Survey Program: 0-MWD															
Reference		Offset		Semi Major Axis			Distance								
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
4,800.0	4,642.8	4,195.2	4,033.6	22.1	23.3	161.01	-1,127.4	-382.5	2,214.6	2,188.1	26.56	83.369			
4,900.0	4,742.2	4,287.7	4,122.2	22.3	23.9	161.30	-1,152.5	-390.9	2,252.5	2,225.3	27.19	82.829			
5,000.0	4,842.0	4,381.9	4,212.4	22.5	24.4	161.49	-1,178.0	-399.4	2,285.7	2,257.9	27.75	82.367			
5,070.1	4,912.0	4,448.7	4,276.4	22.6	24.8	-145.55	-1,196.1	-405.5	2,306.2	2,278.1	28.09	82.089			
5,100.0	4,941.9	4,477.4	4,303.9	22.6	25.0	-145.60	-1,203.9	-408.1	2,314.4	2,286.2	28.23	81.987			
5,200.0	5,041.9	4,573.2	4,395.8	22.7	25.5	-145.79	-1,229.8	-416.8	2,342.0	2,313.3	28.70	81.612			
5,300.0	5,141.9	5,329.3	5,141.9	22.8	27.4	-146.42	-1,319.6	-446.9	2,342.4	2,312.1	30.30	77.317			
5,400.0	5,241.9	5,429.3	5,241.9	22.9	27.4	-146.42	-1,319.6	-446.9	2,342.4	2,311.8	30.58	76.594			
5,500.0	5,341.9	5,529.3	5,341.9	23.0	27.5	-146.42	-1,319.6	-446.9	2,342.4	2,311.5	30.87	75.874			
5,600.0	5,441.9	5,629.3	5,441.9	23.1	27.6	-146.42	-1,319.6	-446.9	2,342.4	2,311.2	31.17	75.160			
5,700.0	5,541.9	5,729.3	5,541.9	23.3	27.6	-146.42	-1,319.6	-446.9	2,342.4	2,310.9	31.46	74.449			
5,800.0	5,641.9	5,829.3	5,641.9	23.4	27.7	-146.42	-1,319.6	-446.9	2,342.4	2,310.6	31.76	73.745			
5,900.0	5,741.9	5,929.3	5,741.9	23.5	27.8	-146.42	-1,319.6	-446.9	2,342.4	2,310.3	32.07	73.045			
6,000.0	5,841.9	6,029.3	5,841.9	23.6	27.9	-146.42	-1,319.6	-446.9	2,342.4	2,310.0	32.38	72.351			
6,100.0	5,941.9	6,129.3	5,941.9	23.7	27.9	-146.42	-1,319.6	-446.9	2,342.4	2,309.7	32.69	71.663			
6,200.0	6,041.9	6,229.3	6,041.9	23.8	28.0	-146.42	-1,319.6	-446.9	2,342.4	2,309.4	33.00	70.982			
6,300.0	6,141.9	6,329.3	6,141.9	24.0	28.1	-146.42	-1,319.6	-446.9	2,342.4	2,309.1	33.32	70.306			
6,400.0	6,241.9	6,429.3	6,241.9	24.1	28.2	-146.42	-1,319.6	-446.9	2,342.4	2,308.7	33.64	69.638			
6,500.0	6,341.9	6,529.3	6,341.9	24.2	28.3	-146.42	-1,319.6	-446.9	2,342.4	2,308.4	33.96	68.976			
6,600.0	6,441.9	6,629.3	6,441.9	24.3	28.4	-146.42	-1,319.6	-446.9	2,342.4	2,308.1	34.29	68.321			
6,700.0	6,541.9	6,729.3	6,541.9	24.5	28.5	-146.42	-1,319.6	-446.9	2,342.4	2,307.8	34.61	67.673			
6,800.0	6,641.9	6,829.3	6,641.9	24.6	28.5	-146.42	-1,319.6	-446.9	2,342.4	2,307.4	34.94	67.032			
6,900.0	6,741.9	6,929.3	6,741.9	24.7	28.6	-146.42	-1,319.6	-446.9	2,342.4	2,307.1	35.28	66.398			
7,000.0	6,841.9	7,029.3	6,841.9	24.9	28.7	-146.42	-1,319.6	-446.9	2,342.4	2,306.8	35.61	65.771			
7,100.0	6,941.9	7,129.3	6,941.9	25.0	28.8	-146.42	-1,319.6	-446.9	2,342.4	2,306.4	35.95	65.152			
7,200.0	7,041.9	7,229.3	7,041.9	25.1	28.9	-146.42	-1,319.6	-446.9	2,342.4	2,306.1	36.29	64.540			
7,300.0	7,141.9	7,329.3	7,141.9	25.3	29.0	-146.42	-1,319.6	-446.9	2,342.4	2,305.7	36.64	63.935			
7,400.0	7,241.9	7,429.3	7,241.9	25.4	29.1	-146.42	-1,319.6	-446.9	2,342.4	2,305.4	36.98	63.338			
7,500.0	7,341.9	7,529.3	7,341.9	25.5	29.2	-146.42	-1,319.6	-446.9	2,342.4	2,305.1	37.33	62.748			
7,555.1	7,397.0	7,584.4	7,397.0	25.6	29.3	-146.42	-1,319.6	-446.9	2,342.4	2,304.9	37.52	62.426			

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Valley Farms G - Valley Farms G 34A-14-06-92 - Wellbore #1 - Design #1		Offset Site Error: 0.0 usft	
Survey Program: 0-MWD															Offset Well Error: 0.0 usft	
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
0.0	0.0	0.0	0.0	0.0	0.0	-163.07	-74.9	-22.8	78.3							
100.0	100.0	100.0	100.0	0.1	0.1	-163.07	-74.9	-22.8	78.3	78.1	0.19	419.614				
200.0	200.0	200.0	200.0	0.3	0.3	-163.07	-74.9	-22.8	78.3	77.6	0.64	123.067				
300.0	300.0	300.0	300.0	0.5	0.5	-163.07	-74.9	-22.8	78.3	77.2	1.09	72.108				
400.0	400.0	400.0	400.0	0.8	0.8	-163.07	-74.9	-22.8	78.3	76.7	1.54	50.993				
500.0	500.0	500.0	500.0	1.0	1.0	-163.07	-74.9	-22.8	78.3	76.3	1.98	39.443				
600.0	600.0	600.0	600.0	1.2	1.2	-163.07	-74.9	-22.8	78.3	75.8	2.43	32.159				
700.0	700.0	700.0	700.0	1.4	1.4	-163.07	-74.9	-22.8	78.3	75.4	2.88	27.146				
800.0	800.0	800.0	800.0	1.7	1.7	-163.07	-74.9	-22.8	78.3	74.9	3.33	23.485				
900.0	900.0	900.0	900.0	1.9	1.9	-163.07	-74.9	-22.8	78.3	74.5	3.78	20.694				
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-163.07	-74.9	-22.8	78.3	74.0	4.23	18.496				
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	-163.07	-74.9	-22.8	78.3	73.7	4.57	17.131 CC				
1,100.0	1,100.0	1,100.0	1,100.0	2.3	2.3	114.05	-74.9	-22.8	78.4	73.7	4.68	16.748 ES				
1,175.0	1,174.9	1,173.6	1,173.6	2.5	2.5	115.60	-75.6	-22.7	80.2	75.2	4.98	16.117				
1,200.0	1,199.9	1,198.1	1,198.1	2.5	2.5	123.47	-76.1	-22.6	81.5	76.5	5.08	16.057 SF				
1,300.0	1,299.3	1,295.5	1,295.4	2.8	2.7	140.09	-79.8	-21.9	91.8	86.4	5.47	16.782				
1,400.0	1,398.1	1,391.6	1,391.3	3.0	2.9	148.09	-85.8	-20.9	110.1	104.2	5.87	18.750				
1,500.0	1,495.6	1,487.9	1,487.4	3.3	3.1	153.19	-93.3	-19.6	135.4	129.1	6.27	21.584				
1,604.7	1,596.1	1,587.1	1,586.2	3.7	3.3	157.12	-100.9	-18.2	168.0	161.4	6.68	25.152				
1,700.0	1,686.8	1,676.5	1,675.3	4.2	3.5	158.98	-107.8	-17.0	200.8	193.7	7.11	28.222				
1,800.0	1,782.0	1,770.2	1,768.8	4.7	3.7	160.38	-115.1	-15.7	235.3	227.7	7.58	31.028				
1,900.0	1,877.1	1,863.9	1,862.2	5.2	3.9	161.41	-122.3	-14.4	269.9	261.8	8.06	33.469				
2,000.0	1,972.2	1,957.7	1,955.6	5.7	4.1	162.22	-129.6	-13.2	304.6	296.0	8.56	35.598				
2,100.0	2,067.3	2,051.4	2,049.1	6.3	4.3	162.85	-136.8	-11.9	339.2	330.2	9.05	37.470				
2,200.0	2,162.5	2,145.1	2,142.5	6.9	4.6	163.37	-144.1	-10.6	374.0	364.4	9.56	39.122				
2,300.0	2,257.6	2,238.9	2,236.0	7.5	4.8	163.81	-151.3	-9.3	408.7	398.7	10.07	40.586				
2,400.0	2,352.7	2,332.6	2,329.4	8.0	5.0	164.17	-158.5	-8.0	443.5	432.9	10.59	41.890				
2,500.0	2,447.8	2,420.6	2,417.1	8.6	5.2	164.46	-165.5	-6.9	478.4	467.3	11.10	43.107				
2,600.0	2,542.9	2,500.0	2,496.0	9.2	5.5	164.58	-174.3	-6.8	516.3	504.7	11.61	44.489				
2,700.0	2,638.1	2,561.8	2,557.1	9.9	5.6	164.57	-183.7	-7.7	557.9	545.8	12.09	46.140				
2,800.0	2,733.2	2,628.6	2,622.6	10.5	5.9	164.46	-196.3	-9.5	603.0	590.4	12.60	47.874				
2,900.0	2,828.3	2,700.0	2,692.1	11.1	6.1	164.27	-212.5	-12.4	651.6	638.5	13.12	49.650				
3,000.0	2,923.4	2,754.1	2,744.2	11.7	6.3	164.08	-226.6	-15.4	703.2	689.6	13.61	51.656				
3,100.0	3,018.6	2,800.0	2,788.1	12.3	6.5	163.89	-239.9	-18.3	758.0	744.0	14.09	53.818				
3,200.0	3,113.7	2,868.8	2,853.1	12.9	6.9	163.57	-262.0	-23.6	815.3	800.7	14.63	55.726				
3,300.0	3,208.8	2,922.3	2,902.9	13.5	7.1	163.30	-280.9	-28.3	875.4	860.2	15.15	57.794				
3,400.0	3,303.9	2,973.2	2,949.7	14.1	7.4	163.03	-300.3	-33.4	937.8	922.2	15.65	59.914				
3,500.0	3,399.1	3,021.7	2,993.6	14.8	7.7	162.76	-320.0	-38.7	1,002.6	986.4	16.15	62.062				
3,600.0	3,494.2	3,067.8	3,034.9	15.4	8.0	162.50	-339.8	-44.2	1,069.4	1,052.8	16.66	64.207				
3,700.0	3,589.3	3,100.0	3,063.4	16.0	8.3	162.31	-354.4	-48.2	1,138.4	1,121.2	17.11	66.532				
3,800.0	3,684.4	3,153.3	3,109.8	16.6	8.7	162.00	-379.6	-55.4	1,208.9	1,191.3	17.65	68.506				
3,900.0	3,779.6	3,200.0	3,149.7	17.2	9.0	161.72	-402.8	-62.1	1,281.3	1,263.1	18.16	70.567				
4,000.0	3,874.7	3,230.7	3,175.7	17.9	9.3	161.54	-418.6	-66.8	1,355.2	1,336.6	18.62	72.772				
4,100.0	3,969.8	3,266.6	3,205.5	18.5	9.6	161.33	-437.7	-72.4	1,430.6	1,411.5	19.11	74.879				
4,200.0	4,064.9	3,300.0	3,232.9	19.1	9.9	161.13	-456.0	-77.9	1,507.3	1,487.8	19.58	77.000				
4,300.0	4,160.1	3,349.7	3,273.2	19.7	10.3	160.84	-483.9	-86.3	1,585.2	1,565.1	20.12	78.801				
4,400.0	4,255.2	3,412.0	3,323.5	20.4	10.9	160.51	-518.9	-96.9	1,663.2	1,642.5	20.68	80.408				
4,471.2	4,322.9	3,456.3	3,359.4	20.8	11.4	160.29	-543.9	-104.4	1,718.7	1,697.6	21.09	81.486				
4,500.0	4,350.4	3,474.4	3,374.1	21.0	11.6	160.56	-554.1	-107.5	1,741.1	1,719.8	21.27	81.856				
4,600.0	4,446.7	3,539.6	3,426.7	21.4	12.2	161.34	-590.8	-118.5	1,816.6	1,794.8	21.85	83.125				
4,700.0	4,544.2	3,608.1	3,482.2	21.8	12.9	161.94	-629.4	-130.2	1,888.9	1,866.4	22.43	84.229				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Valley Farms G - Valley Farms G 34A-14-06-92 - Wellbore #1 - Design #1													Offset Site Error: 0.0 usft	
Survey Program: 0-MWD													Offset Well Error: 0.0 usft	
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
4,800.0	4,642.8	3,680.0	3,540.3	22.1	13.6	162.38	-669.8	-142.3	1,957.6	1,934.6	22.98	85.191		
4,900.0	4,742.2	3,754.8	3,600.9	22.3	14.4	162.70	-711.9	-155.1	2,022.7	1,999.2	23.50	86.057		
5,000.0	4,842.0	3,832.6	3,663.8	22.5	15.2	162.90	-755.7	-168.2	2,084.1	2,060.1	23.99	86.855		
5,070.1	4,912.0	3,888.6	3,709.1	22.6	15.8	-144.12	-787.3	-177.8	2,124.7	2,100.4	24.31	87.384		
5,100.0	4,941.9	3,912.9	3,728.7	22.6	16.1	-144.27	-800.9	-181.9	2,141.7	2,117.2	24.47	87.523		
5,200.0	5,041.9	3,993.7	3,794.1	22.7	16.9	-144.76	-846.4	-195.6	2,198.4	2,173.4	25.00	87.934		
5,300.0	5,141.9	4,074.6	3,859.6	22.8	17.8	-145.23	-891.9	-209.3	2,255.2	2,229.7	25.53	88.340		
5,400.0	5,241.9	4,155.5	3,925.0	22.9	18.6	-145.67	-937.5	-223.1	2,312.1	2,286.0	26.05	88.743		
5,500.0	5,341.9	4,236.4	3,990.4	23.0	19.5	-146.09	-983.0	-236.8	2,369.1	2,342.5	26.58	89.144		
5,600.0	5,441.9	4,317.3	4,055.9	23.1	20.4	-146.50	-1,028.5	-250.5	2,426.2	2,399.1	27.10	89.541		
5,700.0	5,541.9	4,398.2	4,121.3	23.3	21.3	-146.88	-1,074.1	-264.2	2,483.4	2,455.7	27.61	89.934		
5,800.0	5,641.9	4,479.1	4,186.7	23.4	22.2	-147.25	-1,119.6	-278.0	2,540.6	2,512.5	28.13	90.318		
5,900.0	5,741.9	4,560.0	4,252.2	23.5	23.0	-147.60	-1,165.1	-291.7	2,597.9	2,569.3	28.64	90.698		
6,000.0	5,841.9	4,627.3	5,841.9	23.6	31.6	-150.57	-1,647.4	-437.1	2,617.0	2,583.6	33.41	78.340		
6,100.0	5,941.9	6,372.3	5,941.9	23.7	31.7	-150.57	-1,647.4	-437.1	2,617.0	2,583.3	33.71	77.627		
6,200.0	6,041.9	6,472.3	6,041.9	23.8	31.8	-150.57	-1,647.4	-437.1	2,617.0	2,583.0	34.02	76.921		
6,300.0	6,141.9	6,572.3	6,141.9	24.0	31.8	-150.57	-1,647.4	-437.1	2,617.0	2,582.6	34.33	76.220		
6,400.0	6,241.9	6,672.3	6,241.9	24.1	31.9	-150.57	-1,647.4	-437.1	2,617.0	2,582.3	34.65	75.526		
6,500.0	6,341.9	6,772.3	6,341.9	24.2	32.0	-150.57	-1,647.4	-437.1	2,617.0	2,582.0	34.97	74.838		
6,600.0	6,441.9	6,872.3	6,441.9	24.3	32.1	-150.57	-1,647.4	-437.1	2,617.0	2,581.7	35.29	74.157		
6,700.0	6,541.9	6,972.3	6,541.9	24.5	32.2	-150.57	-1,647.4	-437.1	2,617.0	2,581.4	35.61	73.482		
6,800.0	6,641.9	7,072.3	6,641.9	24.6	32.2	-150.57	-1,647.4	-437.1	2,617.0	2,581.0	35.94	72.814		
6,900.0	6,741.9	7,172.3	6,741.9	24.7	32.3	-150.57	-1,647.4	-437.1	2,617.0	2,580.7	36.27	72.152		
7,000.0	6,841.9	7,272.3	6,841.9	24.9	32.4	-150.57	-1,647.4	-437.1	2,617.0	2,580.4	36.60	71.498		
7,100.0	6,941.9	7,372.3	6,941.9	25.0	32.5	-150.57	-1,647.4	-437.1	2,617.0	2,580.0	36.94	70.851		
7,200.0	7,041.9	7,472.3	7,041.9	25.1	32.6	-150.57	-1,647.4	-437.1	2,617.0	2,579.7	37.27	70.211		
7,300.0	7,141.9	7,572.3	7,141.9	25.3	32.7	-150.57	-1,647.4	-437.1	2,617.0	2,579.4	37.61	69.578		
7,400.0	7,241.9	7,672.3	7,241.9	25.4	32.8	-150.57	-1,647.4	-437.1	2,617.0	2,579.0	37.95	68.952		
7,500.0	7,341.9	7,772.3	7,341.9	25.5	32.9	-150.57	-1,647.4	-437.1	2,617.0	2,578.7	38.30	68.333		
7,555.1	7,397.0	7,827.4	7,397.0	25.6	32.9	-150.57	-1,647.4	-437.1	2,617.0	2,578.5	38.49	67.995		

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Valley Farms G - Valley Farms G 34B-14-06-92 - Wellbore #1 - Design #1		Offset Site Error:		0.0 usft
Survey Program: 0-MWD													Offset Well Error:		0.0 usft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
0.0	0.0	0.0	0.0	0.0	0.0	-166.45	-94.9	-22.9	97.6								
100.0	100.0	100.0	100.0	0.1	0.1	-166.45	-94.9	-22.9	97.6	97.4	0.19	523.178					
200.0	200.0	200.0	200.0	0.3	0.3	-166.45	-94.9	-22.9	97.6	97.0	0.64	153.441					
300.0	300.0	300.0	300.0	0.5	0.5	-166.45	-94.9	-22.9	97.6	96.5	1.09	89.904					
400.0	400.0	400.0	400.0	0.8	0.8	-166.45	-94.9	-22.9	97.6	96.1	1.54	63.578					
500.0	500.0	500.0	500.0	1.0	1.0	-166.45	-94.9	-22.9	97.6	95.6	1.98	49.178					
600.0	600.0	600.0	600.0	1.2	1.2	-166.45	-94.9	-22.9	97.6	95.2	2.43	40.096					
700.0	700.0	700.0	700.0	1.4	1.4	-166.45	-94.9	-22.9	97.6	94.7	2.88	33.846					
800.0	800.0	800.0	800.0	1.7	1.7	-166.45	-94.9	-22.9	97.6	94.3	3.33	29.281					
900.0	900.0	900.0	900.0	1.9	1.9	-166.45	-94.9	-22.9	97.6	93.8	3.78	25.801					
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-166.45	-94.9	-22.9	97.6	93.4	4.23	23.061					
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	-166.45	-94.9	-22.9	97.6	93.0	4.57	21.359 CC					
1,100.0	1,100.0	1,100.0	1,100.0	2.3	2.3	110.66	-94.9	-22.9	97.7	93.0	4.68	20.875 ES					
1,175.0	1,174.9	1,172.5	1,172.5	2.5	2.5	112.23	-95.7	-23.3	99.6	94.7	4.98	20.024					
1,200.0	1,199.9	1,196.6	1,196.6	2.5	2.5	120.20	-96.3	-23.7	101.1	96.0	5.08	19.912 SF					
1,300.0	1,299.3	1,292.0	1,291.9	2.8	2.7	137.79	-100.5	-26.1	112.7	107.2	5.48	20.579					
1,400.0	1,398.1	1,382.7	1,382.2	3.0	2.9	146.88	-108.0	-29.6	134.5	128.7	5.88	22.890					
1,500.0	1,495.6	1,469.2	1,467.8	3.3	3.1	152.27	-119.7	-33.6	167.4	161.1	6.28	26.656					
1,604.7	1,596.1	1,554.1	1,551.0	3.7	3.3	155.62	-135.6	-38.2	212.6	205.9	6.70	31.750					
1,700.0	1,686.8	1,626.8	1,621.6	4.2	3.5	156.79	-152.6	-42.7	260.3	253.2	7.13	36.529					
1,800.0	1,782.0	1,700.0	1,691.7	4.7	3.8	157.35	-172.8	-47.7	313.9	306.3	7.59	41.367					
1,900.0	1,877.1	1,768.6	1,756.6	5.2	4.1	157.51	-194.5	-52.8	370.8	362.8	8.06	45.983					
2,000.0	1,972.2	1,833.9	1,817.5	5.7	4.4	157.44	-217.7	-58.1	430.8	422.2	8.55	50.393					
2,100.0	2,067.3	1,900.0	1,878.0	6.3	4.8	157.23	-243.5	-63.7	493.6	484.5	9.05	54.539					
2,200.0	2,162.5	1,954.2	1,926.8	6.9	5.1	156.98	-266.6	-68.6	558.9	549.4	9.54	58.594					
2,300.0	2,257.6	2,009.3	1,975.7	7.5	5.5	156.68	-291.6	-73.8	626.7	616.6	10.05	62.368					
2,400.0	2,352.7	2,078.6	2,036.3	8.0	6.1	156.30	-324.3	-80.6	695.8	685.2	10.60	65.646					
2,500.0	2,447.8	2,150.7	2,099.5	8.6	6.6	155.97	-358.4	-87.6	765.1	753.9	11.14	68.652					
2,600.0	2,542.9	2,222.8	2,162.6	9.2	7.2	155.69	-392.5	-94.6	834.3	822.6	11.70	71.302					
2,700.0	2,638.1	2,294.9	2,225.7	9.9	7.8	155.46	-426.6	-101.6	903.6	891.3	12.27	73.651					
2,800.0	2,733.2	2,367.0	2,288.9	10.5	8.5	155.26	-460.7	-108.7	972.8	960.0	12.85	75.728					
2,900.0	2,828.3	2,439.1	2,352.0	11.1	9.1	155.08	-494.8	-115.7	1,042.1	1,028.7	13.43	77.595					
3,000.0	2,923.4	2,511.2	2,415.1	11.7	9.7	154.93	-528.9	-122.7	1,111.4	1,097.3	14.02	79.277					
3,100.0	3,018.6	2,583.3	2,478.3	12.3	10.4	154.80	-563.0	-129.7	1,180.6	1,166.0	14.61	80.785					
3,200.0	3,113.7	2,655.4	2,541.4	12.9	11.0	154.68	-597.1	-136.8	1,249.9	1,234.7	15.22	82.148					
3,300.0	3,208.8	2,727.5	2,604.5	13.5	11.6	154.57	-631.2	-143.8	1,319.2	1,303.4	15.82	83.387					
3,400.0	3,303.9	2,799.6	2,667.7	14.1	12.3	154.48	-665.3	-150.8	1,388.5	1,372.0	16.43	84.517					
3,500.0	3,399.1	2,871.7	2,730.8	14.8	12.9	154.39	-699.4	-157.8	1,457.7	1,440.7	17.04	85.541					
3,600.0	3,494.2	2,943.8	2,793.9	15.4	13.6	154.31	-733.5	-164.9	1,527.0	1,509.4	17.66	86.481					
3,700.0	3,589.3	3,015.9	2,857.0	16.0	14.2	154.24	-767.6	-171.9	1,596.3	1,578.0	18.28	87.346					
3,800.0	3,684.4	3,088.0	2,920.2	16.6	14.9	154.17	-801.7	-178.9	1,665.6	1,646.7	18.90	88.140					
3,900.0	3,779.6	3,160.1	2,983.3	17.2	15.6	154.11	-835.8	-185.9	1,734.9	1,715.3	19.52	88.870					
4,000.0	3,874.7	3,232.2	3,046.4	17.9	16.2	154.05	-869.9	-193.0	1,804.1	1,784.0	20.15	89.547					
4,100.0	3,969.8	3,304.3	3,109.6	18.5	16.9	154.00	-904.0	-200.0	1,873.4	1,852.7	20.78	90.176					
4,200.0	4,064.9	3,376.3	3,172.7	19.1	17.5	153.95	-938.1	-207.0	1,942.7	1,921.3	21.41	90.757					
4,300.0	4,160.1	3,448.4	3,235.8	19.7	18.2	153.91	-972.3	-214.0	2,012.0	1,990.0	22.04	91.298					
4,400.0	4,255.2	3,520.5	3,299.0	20.4	18.9	153.87	-1,006.4	-221.1	2,081.3	2,058.6	22.67	91.804					
4,471.2	4,322.9	3,571.9	3,343.9	20.8	19.3	153.84	-1,030.6	-226.1	2,130.6	2,107.5	23.12	92.142					
4,500.0	4,350.4	3,592.8	3,362.2	21.0	19.5	154.18	-1,040.5	-228.1	2,150.4	2,127.1	23.37	92.022					
4,600.0	4,446.7	3,667.3	3,427.5	21.4	20.2	155.23	-1,075.8	-235.4	2,217.0	2,192.8	24.18	91.696					
4,700.0	4,544.2	3,744.9	3,495.4	21.8	20.9	156.06	-1,112.5	-242.9	2,279.9	2,255.0	24.96	91.330					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Valley Farms G - Valley Farms G 34B-14-06-92 - Wellbore #1 - Design #1													Offset Site Error: 0.0 usft	
Survey Program: 0-MWD													Offset Well Error: 0.0 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,800.0	4,642.8	3,825.1	3,565.7	22.1	21.7	156.72	-1,150.4	-250.7	2,339.1	2,313.4	25.71	90.970		
4,900.0	4,742.2	3,907.9	3,638.2	22.3	22.4	157.23	-1,189.6	-258.8	2,394.4	2,368.0	26.41	90.646		
5,000.0	4,842.0	3,993.0	3,712.7	22.5	23.2	157.60	-1,229.8	-267.1	2,445.6	2,418.5	27.06	90.379		
5,070.1	4,912.0	4,053.9	3,766.0	22.6	23.8	-149.32	-1,258.6	-273.0	2,479.0	2,451.5	27.47	90.232		
5,100.0	4,941.9	4,080.1	3,789.0	22.6	24.0	-149.43	-1,271.0	-275.6	2,492.8	2,465.2	27.63	90.229		
5,200.0	5,041.9	4,167.7	3,865.7	22.7	24.8	-149.77	-1,312.4	-284.1	2,539.1	2,511.0	28.16	90.179		
5,300.0	5,141.9	4,255.3	3,942.3	22.8	25.6	-150.11	-1,353.9	-292.6	2,585.5	2,556.8	28.68	90.140		
5,400.0	5,241.9	4,342.8	4,019.0	22.9	26.5	-150.44	-1,395.3	-301.2	2,631.9	2,602.7	29.21	90.111		
5,500.0	5,341.9	4,430.4	4,095.7	23.0	27.3	-150.75	-1,436.7	-309.7	2,678.4	2,648.7	29.73	90.090		
5,600.0	5,441.9	4,518.0	4,172.4	23.1	28.1	-151.06	-1,478.1	-318.2	2,725.0	2,694.7	30.25	90.076		
5,700.0	5,541.9	4,605.5	4,249.1	23.3	28.9	-151.35	-1,519.5	-326.8	2,771.6	2,740.8	30.77	90.069		
5,800.0	5,641.9	4,693.1	4,325.7	23.4	29.7	-151.63	-1,561.0	-335.3	2,818.3	2,787.0	31.29	90.067		
5,900.0	5,741.9	4,780.7	4,402.4	23.5	30.5	-151.91	-1,602.4	-343.8	2,865.0	2,833.2	31.81	90.070		
6,000.0	5,841.9	4,868.2	4,479.1	23.6	31.3	-152.18	-1,643.8	-352.4	2,911.8	2,879.5	32.33	90.078		
6,100.0	5,941.9	4,955.7	4,556.6	23.7	32.1	-152.45	-1,685.2	-360.9	2,958.3	2,889.5	32.85	90.086		
6,200.0	6,041.9	5,043.2	4,633.9	23.8	33.0	-152.72	-1,726.6	-369.4	3,004.8	2,971.3	33.37	90.094		
6,300.0	6,141.9	5,130.7	4,711.2	24.0	34.0	-153.00	-1,768.0	-377.9	3,051.3	2,997.8	33.89	90.102		
6,400.0	6,241.9	5,218.2	4,788.5	24.1	35.0	-153.27	-1,809.4	-386.4	3,097.8	3,023.3	34.41	90.110		
6,500.0	6,341.9	5,305.7	4,865.8	24.2	36.0	-153.55	-1,850.8	-394.9	3,144.3	3,048.8	34.93	90.118		
6,600.0	6,441.9	5,393.2	4,943.1	24.3	37.0	-153.82	-1,892.2	-403.4	3,190.8	3,074.3	35.45	90.126		
6,700.0	6,541.9	5,480.7	5,020.4	24.5	38.0	-154.10	-1,933.6	-411.9	3,237.3	3,100.8	35.97	90.134		
6,800.0	6,641.9	5,568.2	5,097.7	24.6	38.4	-154.17	-1,975.0	-420.4	3,283.8	3,126.3	36.49	90.142		
6,900.0	6,741.9	5,655.7	5,175.0	24.7	38.4	-154.17	-2,001.6	-426.1	2,925.8	2,887.7	38.04	76.917		
7,000.0	6,841.9	5,743.2	5,252.3	24.9	38.5	-154.17	-2,001.6	-426.1	2,925.8	2,887.4	38.34	76.306		
7,100.0	6,941.9	5,830.7	5,329.6	25.0	38.6	-154.17	-2,001.6	-426.1	2,925.8	2,887.1	38.65	75.699		
7,200.0	7,041.9	5,918.2	5,406.9	25.1	38.6	-154.17	-2,001.6	-426.1	2,925.8	2,886.8	38.96	75.096		
7,300.0	7,141.9	6,005.7	5,484.2	25.3	38.7	-154.17	-2,001.6	-426.1	2,925.8	2,886.5	39.27	74.498		
7,400.0	7,241.9	6,093.2	5,561.5	25.4	38.8	-154.17	-2,001.6	-426.1	2,925.8	2,886.2	39.59	73.905		
7,500.0	7,341.9	6,180.7	5,638.8	25.5	38.9	-154.17	-2,001.6	-426.1	2,925.8	2,885.9	39.91	73.316		
7,555.1	7,397.0	7,862.3	7,397.0	25.6	38.9	-154.17	-2,001.6	-426.1	2,925.8	2,885.6	40.23	72.732		
									2,925.8	2,885.2	40.55	72.153		
											40.73	71.836		

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 34C-14-06-92 - Wellbore #1 - Design #1													Offset Well Error:	0.0 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-168.70	-114.9	-23.0	117.1					
100.0	100.0	100.0	100.0	0.1	0.1	-168.70	-114.9	-23.0	117.1	117.0	0.19	627.956		
200.0	200.0	200.0	200.0	0.3	0.3	-168.70	-114.9	-23.0	117.1	116.5	0.64	184.171		
300.0	300.0	300.0	300.0	0.5	0.5	-168.70	-114.9	-23.0	117.1	116.1	1.09	107.910		
400.0	400.0	400.0	400.0	0.8	0.8	-168.70	-114.9	-23.0	117.1	115.6	1.54	76.311		
500.0	500.0	500.0	500.0	1.0	1.0	-168.70	-114.9	-23.0	117.1	115.2	1.98	59.027		
600.0	600.0	600.0	600.0	1.2	1.2	-168.70	-114.9	-23.0	117.1	114.7	2.43	48.126		
700.0	700.0	700.0	700.0	1.4	1.4	-168.70	-114.9	-23.0	117.1	114.3	2.88	40.624		
800.0	800.0	800.0	800.0	1.7	1.7	-168.70	-114.9	-23.0	117.1	113.8	3.33	35.145		
900.0	900.0	900.0	900.0	1.9	1.9	-168.70	-114.9	-23.0	117.1	113.4	3.78	30.969		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-168.70	-114.9	-23.0	117.1	112.9	4.23	27.679		
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	-168.70	-114.9	-23.0	117.1	112.6	4.57	25.637 CC		
1,100.0	1,100.0	1,100.0	1,100.0	2.3	2.3	108.39	-114.9	-23.0	117.2	112.5	4.68	25.051 ES		
1,175.0	1,174.9	1,173.3	1,173.3	2.5	2.5	109.64	-115.0	-23.0	118.3	113.3	4.99	23.713		
1,200.0	1,199.9	1,196.5	1,196.5	2.5	2.5	117.40	-115.5	-23.2	119.5	114.4	5.09	23.485 SF		
1,300.0	1,299.3	1,288.5	1,288.3	2.8	2.7	134.05	-120.4	-24.9	131.4	125.9	5.49	23.946		
1,400.0	1,398.1	1,377.7	1,376.9	3.0	2.9	142.38	-130.0	-27.4	154.4	148.5	5.89	26.222		
1,500.0	1,495.6	1,462.7	1,460.8	3.3	3.1	147.49	-143.5	-30.6	188.2	181.9	6.30	29.881		
1,604.7	1,596.1	1,545.9	1,542.1	3.7	3.3	150.85	-160.9	-34.3	234.3	227.6	6.73	34.812		
1,700.0	1,686.8	1,617.1	1,610.9	4.2	3.5	152.29	-179.1	-37.9	282.8	275.6	7.17	39.438		
1,800.0	1,782.0	1,688.2	1,678.6	4.7	3.8	153.14	-200.1	-42.0	337.2	329.6	7.64	44.117		
1,900.0	1,877.1	1,755.7	1,742.0	5.2	4.1	153.57	-222.7	-46.3	395.0	386.8	8.13	48.583		
2,000.0	1,972.2	1,819.5	1,801.1	5.7	4.4	153.75	-246.5	-50.8	455.8	447.1	8.62	52.855		
2,100.0	2,067.3	1,879.9	1,856.1	6.3	4.8	153.77	-271.1	-55.3	519.3	510.2	9.12	56.916		
2,200.0	2,162.5	1,936.9	1,907.1	6.9	5.2	153.69	-296.1	-59.8	585.5	575.8	9.62	60.829		
2,300.0	2,257.6	2,000.0	1,962.5	7.5	5.7	153.51	-325.8	-65.1	654.0	643.9	10.17	64.331		
2,400.0	2,352.7	2,041.5	1,998.3	8.0	6.0	153.36	-346.4	-68.8	724.6	713.9	10.66	67.966		
2,500.0	2,447.8	2,103.2	2,050.5	8.6	6.5	153.10	-378.9	-74.5	797.4	786.1	11.21	71.146		
2,600.0	2,542.9	2,150.0	2,089.6	9.2	7.0	152.90	-404.2	-78.9	871.2	859.5	11.72	74.314		
2,700.0	2,638.1	2,217.1	2,145.7	9.9	7.6	152.65	-440.5	-85.3	945.3	933.0	12.29	76.885		
2,800.0	2,733.2	2,284.2	2,201.8	10.5	8.2	152.43	-476.8	-91.7	1,019.4	1,006.5	12.87	79.219		
2,900.0	2,828.3	2,351.3	2,257.9	11.1	8.9	152.25	-513.1	-98.0	1,093.5	1,080.0	13.45	81.303		
3,000.0	2,923.4	2,418.4	2,314.0	11.7	9.5	152.09	-549.4	-104.4	1,167.6	1,153.6	14.04	83.189		
3,100.0	3,018.6	2,485.5	2,370.0	12.3	10.2	151.94	-585.7	-110.7	1,241.7	1,227.1	14.63	84.882		
3,200.0	3,113.7	2,552.6	2,426.1	12.9	10.9	151.82	-621.9	-117.1	1,315.8	1,300.6	15.23	86.409		
3,300.0	3,208.8	2,619.7	2,482.2	13.5	11.6	151.70	-658.2	-123.5	1,389.9	1,374.1	15.83	87.803		
3,400.0	3,303.9	2,686.8	2,538.3	14.1	12.2	151.60	-694.5	-129.8	1,464.1	1,447.6	16.44	89.068		
3,500.0	3,399.1	2,754.0	2,594.4	14.8	12.9	151.51	-730.8	-136.2	1,538.2	1,521.1	17.05	90.218		
3,600.0	3,494.2	2,821.1	2,650.4	15.4	13.6	151.43	-767.1	-142.6	1,612.3	1,594.7	17.66	91.276		
3,700.0	3,589.3	2,888.2	2,706.5	16.0	14.3	151.35	-803.4	-148.9	1,686.4	1,668.2	18.28	92.246		
3,800.0	3,684.4	2,955.3	2,762.6	16.6	15.0	151.28	-839.7	-155.3	1,760.6	1,741.7	18.90	93.135		
3,900.0	3,779.6	3,022.4	2,818.7	17.2	15.7	151.22	-876.0	-161.6	1,834.7	1,815.2	19.53	93.958		
4,000.0	3,874.7	3,089.5	2,874.8	17.9	16.4	151.16	-912.3	-168.0	1,908.8	1,888.7	20.15	94.718		
4,100.0	3,969.8	3,156.6	2,930.9	18.5	17.0	151.10	-948.6	-174.4	1,983.0	1,962.2	20.78	95.420		
4,200.0	4,064.9	3,223.7	2,986.9	19.1	17.7	151.05	-984.9	-180.7	2,057.1	2,035.7	21.41	96.073		
4,300.0	4,160.1	3,290.8	3,043.0	19.7	18.4	151.01	-1,021.2	-187.1	2,131.2	2,109.2	22.04	96.682		
4,400.0	4,255.2	3,357.9	3,099.1	20.4	19.1	150.96	-1,057.5	-193.4	2,205.4	2,182.7	22.68	97.246		
4,471.2	4,322.9	3,405.6	3,139.0	20.8	19.6	150.93	-1,083.3	-198.0	2,258.1	2,235.0	23.13	97.627		
4,500.0	4,350.4	3,425.1	3,155.3	21.0	19.8	151.37	-1,093.8	-199.8	2,279.4	2,256.0	23.37	97.523		
4,600.0	4,446.7	3,494.8	3,213.5	21.4	20.5	152.71	-1,131.5	-206.4	2,351.0	2,326.8	24.18	97.240		
4,700.0	4,544.2	3,567.6	3,274.4	21.8	21.3	153.79	-1,170.9	-213.3	2,419.4	2,394.4	24.97	96.873		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Valley Farms G - Valley Farms G 34C-14-06-92 - Wellbore #1 - Design #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,800.0	4,642.8	3,643.3	3,337.6	22.1	22.1	154.66	-1,211.8	-220.5	2,484.2	2,458.5	25.74	96.497		
4,900.0	4,742.2	3,721.7	3,403.2	22.3	22.9	155.35	-1,254.2	-227.9	2,545.4	2,518.9	26.47	96.154		
5,000.0	4,842.0	3,802.6	3,470.8	22.5	23.8	155.88	-1,297.9	-235.6	2,602.9	2,575.7	27.15	95.873		
5,070.1	4,912.0	3,860.6	3,519.2	22.6	24.4	-150.94	-1,329.3	-241.1	2,640.8	2,613.2	27.59	95.721		
5,100.0	4,941.9	3,885.6	3,540.2	22.6	24.6	-151.06	-1,342.9	-243.5	2,656.6	2,628.8	27.74	95.755		
5,200.0	5,041.9	3,969.2	3,610.0	22.7	25.5	-151.43	-1,388.1	-251.4	2,709.4	2,681.1	28.27	95.824		
5,300.0	5,141.9	4,052.8	3,679.9	22.8	26.4	-151.79	-1,433.3	-259.3	2,762.3	2,733.5	28.80	95.902		
5,400.0	5,241.9	4,136.3	3,749.7	22.9	27.2	-152.13	-1,478.5	-267.2	2,815.2	2,785.9	29.33	95.988		
5,500.0	5,341.9	4,219.9	3,819.6	23.0	28.1	-152.46	-1,523.7	-275.2	2,868.3	2,838.4	29.85	96.081		
5,600.0	5,441.9	4,303.5	3,889.4	23.1	29.0	-152.79	-1,568.9	-283.1	2,921.4	2,891.0	30.37	96.180		
5,700.0	5,541.9	4,387.1	3,959.3	23.3	29.9	-153.10	-1,614.1	-291.0	2,974.6	2,943.7	30.89	96.283		
5,800.0	5,641.9	4,470.6	4,029.1	23.4	30.7	-153.39	-1,659.3	-298.9	3,027.8	2,996.4	31.41	96.390		
5,900.0	5,741.9	4,554.2	4,099.0	23.5	31.6	-153.68	-1,704.5	-306.9	3,081.1	3,049.2	31.93	96.499		
6,000.0	5,841.9	4,637.8	4,168.8	23.6	32.5	-153.96	-1,749.7	-314.8	3,134.5	3,102.0	32.44	96.612		
6,100.0	5,941.9	4,721.4	4,238.7	23.7	33.4	-154.23	-1,794.9	-322.7	3,187.9	3,154.9	32.96	96.726		
6,200.0	6,041.9	4,805.0	4,308.6	23.8	34.3	-154.50	-1,840.1	-330.6	3,241.1	3,207.6	33.47	96.840		
6,300.0	6,141.9	4,888.6	4,378.5	24.0	35.2	-154.77	-1,885.3	-338.5	3,294.3	3,259.4	33.98	96.954		
6,400.0	6,241.9	4,972.2	4,448.4	24.1	36.1	-155.04	-1,930.5	-346.4	3,347.5	3,312.1	34.49	97.068		
6,500.0	6,341.9	5,055.8	4,518.3	24.2	37.0	-155.31	-1,975.7	-354.3	3,400.7	3,364.8	35.00	97.182		
6,600.0	6,441.9	5,139.4	4,588.2	24.3	37.9	-155.58	-2,020.9	-362.2	3,453.9	3,417.5	35.51	97.296		
6,700.0	6,541.9	5,223.0	4,658.1	24.5	38.8	-155.85	-2,066.1	-370.1	3,507.1	3,470.2	36.02	97.410		
6,800.0	6,641.9	5,306.6	4,728.0	24.6	39.7	-156.12	-2,111.3	-378.0	3,560.3	3,522.9	36.53	97.524		
6,900.0	6,741.9	5,390.2	4,797.9	24.7	40.6	-156.39	-2,156.5	-385.9	3,613.5	3,575.6	37.04	97.638		
7,000.0	6,841.9	5,473.8	4,867.8	24.9	43.5	-156.88	-2,331.8	-416.8	3,222.5	3,182.1	40.43	79.711		
7,100.0	6,941.9	5,559.9	4,941.9	25.0	43.6	-156.88	-2,331.8	-416.8	3,222.5	3,181.8	40.73	79.121		
7,200.0	7,041.9	5,659.9	5,041.9	25.1	43.6	-156.88	-2,331.8	-416.8	3,222.5	3,181.5	41.03	78.534		
7,300.0	7,141.9	5,759.9	5,141.9	25.3	43.7	-156.88	-2,331.8	-416.8	3,222.5	3,181.2	41.34	77.951		
7,400.0	7,241.9	5,859.9	5,241.9	25.4	43.8	-156.88	-2,331.8	-416.8	3,222.5	3,180.9	41.65	77.372		
7,500.0	7,341.9	5,959.9	5,341.9	25.5	43.8	-156.88	-2,331.8	-416.8	3,222.5	3,180.6	41.96	76.797		
7,555.1	7,397.0	8,015.0	7,397.0	25.6	43.9	-156.88	-2,331.8	-416.8	3,222.5	3,180.4	42.13	76.482		

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 34D-14-06-92 - Wellbore #1 - Design #1													Offset Well Error:	0.0 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-170.31	-134.9	-23.0	136.8					
100.0	100.0	100.0	100.0	0.1	0.1	-170.31	-134.9	-23.0	136.8	136.6	0.19	733.430		
200.0	200.0	200.0	200.0	0.3	0.3	-170.31	-134.9	-23.0	136.8	136.2	0.64	215.105		
300.0	300.0	300.0	300.0	0.5	0.5	-170.31	-134.9	-23.0	136.8	135.7	1.09	126.035		
400.0	400.0	400.0	400.0	0.8	0.8	-170.31	-134.9	-23.0	136.8	135.3	1.54	89.128		
500.0	500.0	500.0	500.0	1.0	1.0	-170.31	-134.9	-23.0	136.8	134.8	1.98	68.941		
600.0	600.0	600.0	600.0	1.2	1.2	-170.31	-134.9	-23.0	136.8	134.4	2.43	56.209		
700.0	700.0	700.0	700.0	1.4	1.4	-170.31	-134.9	-23.0	136.8	133.9	2.88	47.447		
800.0	800.0	800.0	800.0	1.7	1.7	-170.31	-134.9	-23.0	136.8	133.5	3.33	41.048		
900.0	900.0	900.0	900.0	1.9	1.9	-170.31	-134.9	-23.0	136.8	133.0	3.78	36.170		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-170.31	-134.9	-23.0	136.8	132.6	4.23	32.329		
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	-170.31	-134.9	-23.0	136.8	132.3	4.57	29.943 CC, ES		
1,100.0	1,100.0	1,099.1	1,099.1	2.3	2.3	106.73	-135.0	-23.0	137.0	132.3	4.67	29.326		
1,175.0	1,174.9	1,171.4	1,171.4	2.5	2.5	107.35	-136.3	-22.2	139.0	134.1	4.95	28.077		
1,200.0	1,199.9	1,195.5	1,195.4	2.5	2.5	114.77	-137.1	-21.8	140.3	135.3	5.05	27.805		
1,300.0	1,299.3	1,291.2	1,291.0	2.8	2.7	129.58	-141.9	-19.0	150.4	145.0	5.45	27.580 SF		
1,400.0	1,398.1	1,385.1	1,384.5	3.0	2.9	136.18	-149.4	-14.7	168.1	162.2	5.88	28.593		
1,500.0	1,495.6	1,471.6	1,470.2	3.3	3.1	140.33	-159.9	-10.9	195.1	188.7	6.31	30.909		
1,604.7	1,596.1	1,557.1	1,554.4	3.7	3.3	143.51	-174.6	-8.3	234.1	227.3	6.78	34.516		
1,700.0	1,686.8	1,630.7	1,626.2	4.2	3.5	145.19	-190.7	-7.1	276.5	269.2	7.26	38.074		
1,800.0	1,782.0	1,700.0	1,693.2	4.7	3.7	146.34	-208.6	-6.7	325.2	317.4	7.77	41.857		
1,900.0	1,877.1	1,774.4	1,764.2	5.2	4.0	147.22	-230.9	-7.2	377.7	369.4	8.31	45.469		
2,000.0	1,972.2	1,840.9	1,826.7	5.7	4.3	147.78	-253.4	-8.4	433.7	424.8	8.84	49.066		
2,100.0	2,067.3	1,900.0	1,881.5	6.3	4.6	148.13	-275.5	-10.1	493.0	483.6	9.37	52.630		
2,200.0	2,162.5	1,963.2	1,939.2	6.9	5.0	148.40	-301.2	-12.5	555.1	545.2	9.91	55.993		
2,300.0	2,257.6	2,019.4	1,989.7	7.5	5.4	148.56	-325.8	-15.1	620.0	609.6	10.45	59.309		
2,400.0	2,352.7	2,072.4	2,036.4	8.0	5.8	148.65	-350.5	-18.1	687.4	676.4	11.00	62.486		
2,500.0	2,447.8	2,122.4	2,079.8	8.6	6.2	148.70	-375.2	-21.4	757.0	745.5	11.53	65.665		
2,600.0	2,542.9	2,169.6	2,120.1	9.2	6.6	148.72	-399.6	-24.8	828.7	816.7	12.07	68.647		
2,700.0	2,638.1	2,200.0	2,145.6	9.9	6.8	148.72	-415.9	-27.1	902.5	889.9	12.56	71.863		
2,800.0	2,733.2	2,256.1	2,191.9	10.5	7.4	148.70	-447.1	-31.9	977.7	964.5	13.13	74.447		
2,900.0	2,828.3	2,300.0	2,227.4	11.1	7.8	148.66	-472.7	-36.0	1,054.6	1,041.0	13.66	77.184		
3,000.0	2,923.4	2,333.1	2,253.7	11.7	8.1	148.63	-492.5	-39.2	1,133.0	1,118.8	14.18	79.926		
3,100.0	3,018.6	2,373.5	2,285.2	12.3	8.6	148.58	-517.4	-43.4	1,212.7	1,198.0	14.71	82.455		
3,200.0	3,113.7	2,433.3	2,331.8	12.9	9.2	148.51	-554.5	-49.7	1,292.8	1,277.6	15.29	84.556		
3,300.0	3,208.8	2,493.1	2,378.3	13.5	9.9	148.45	-591.6	-56.0	1,373.0	1,357.1	15.87	86.534		
3,400.0	3,303.9	2,552.9	2,424.8	14.1	10.5	148.40	-628.6	-62.3	1,453.1	1,436.6	16.45	88.330		
3,500.0	3,399.1	2,612.8	2,471.3	14.8	11.2	148.35	-665.7	-68.6	1,533.2	1,516.2	17.04	90.003		
3,600.0	3,494.2	2,672.6	2,517.8	15.4	11.9	148.31	-702.8	-74.9	1,613.4	1,595.7	17.63	91.532		
3,700.0	3,589.3	2,732.4	2,564.3	16.0	12.6	148.27	-739.9	-81.2	1,693.5	1,675.3	18.22	92.950		
3,800.0	3,684.4	2,792.2	2,610.8	16.6	13.3	148.23	-777.0	-87.5	1,773.6	1,754.8	18.81	94.268		
3,900.0	3,779.6	2,852.1	2,657.3	17.2	13.9	148.20	-814.1	-93.8	1,853.7	1,834.3	19.41	95.481		
4,000.0	3,874.7	2,911.9	2,703.8	17.9	14.6	148.17	-851.2	-100.1	1,933.9	1,913.9	20.02	96.618		
4,100.0	3,969.8	2,971.7	2,750.4	18.5	15.3	148.14	-888.3	-106.4	2,014.0	1,993.4	20.62	97.671		
4,200.0	4,064.9	3,031.5	2,796.9	19.1	16.0	148.11	-925.4	-112.7	2,094.1	2,072.9	21.23	98.656		
4,300.0	4,160.1	3,091.4	2,843.4	19.7	16.7	148.09	-962.5	-119.0	2,174.3	2,152.4	21.83	99.579		
4,400.0	4,255.2	3,151.2	2,889.9	20.4	17.4	148.07	-999.6	-125.3	2,254.4	2,231.9	22.45	100.439		
4,471.2	4,322.9	3,193.8	2,923.0	20.8	17.9	148.05	-1,026.0	-129.8	2,311.4	2,288.5	22.88	101.023		
4,500.0	4,350.4	3,211.1	2,936.5	21.0	18.1	148.64	-1,036.8	-131.6	2,334.4	2,311.3	23.09	101.079		
4,600.0	4,446.7	3,273.7	2,985.1	21.4	18.9	150.43	-1,075.6	-138.2	2,412.4	2,388.5	23.82	101.284		
4,700.0	4,544.2	3,339.6	3,036.4	21.8	19.6	151.89	-1,116.4	-145.2	2,487.4	2,462.9	24.55	101.313		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 34D-14-06-92 - Wellbore #1 - Design #1													Offset Well Error:	0.0 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,800.0	4,642.8	3,408.6	3,090.0	22.1	20.4	153.07	-1,159.2	-152.4	2,559.3	2,534.1	25.27	101.266		
4,900.0	4,742.2	3,480.5	3,145.9	22.3	21.3	154.02	-1,203.8	-160.0	2,628.0	2,602.0	25.97	101.201		
5,000.0	4,842.0	3,555.2	3,204.0	22.5	22.2	154.77	-1,250.1	-167.9	2,693.2	2,666.5	26.62	101.165		
5,070.1	4,912.0	3,609.1	3,245.9	22.6	22.8	-151.91	-1,283.5	-173.5	2,736.7	2,709.7	27.05	101.173		
5,100.0	4,941.9	3,632.4	3,264.0	22.6	23.1	-152.03	-1,298.0	-176.0	2,754.9	2,727.7	27.20	101.277		
5,200.0	5,041.9	3,710.1	3,324.4	22.7	24.0	-152.43	-1,346.2	-184.2	2,815.9	2,788.2	27.72	101.578		
5,300.0	5,141.9	3,787.9	3,384.9	22.8	24.9	-152.81	-1,394.4	-192.4	2,876.9	2,848.7	28.24	101.882		
5,400.0	5,241.9	3,865.6	3,445.3	22.9	25.8	-153.17	-1,442.6	-200.6	2,938.0	2,909.3	28.75	102.190		
5,500.0	5,341.9	3,943.4	3,505.8	23.0	26.8	-153.52	-1,490.8	-208.7	2,999.2	2,970.0	29.26	102.500		
5,600.0	5,441.9	4,021.1	3,566.2	23.1	27.7	-153.86	-1,539.0	-216.9	3,060.5	3,030.7	29.77	102.812		
5,700.0	5,541.9	4,098.9	3,626.7	23.3	28.6	-154.18	-1,587.2	-225.1	3,121.8	3,091.5	30.27	103.123		
5,800.0	5,641.9	4,176.6	3,687.1	23.4	29.5	-154.49	-1,635.4	-233.3	3,183.2	3,152.4	30.78	103.433		
5,900.0	5,741.9	4,254.4	3,747.6	23.5	30.5	-154.79	-1,683.6	-241.5	3,244.6	3,213.3	31.28	103.742		
6,000.0	5,841.9	4,332.1	3,808.0	23.6	31.4	-155.08	-1,731.8	-249.7	3,306.1	3,274.3	31.77	104.049		
6,100.0	5,941.9	4,409.8	3,868.4	23.7	32.3	-155.36	-1,780.0	-257.9	3,367.7	3,335.4	32.27	104.354		
6,200.0	6,041.9	4,487.6	3,928.9	23.8	33.2	-155.62	-1,828.2	-266.1	3,429.3	3,396.5	32.77	104.655		
6,300.0	6,141.9	4,565.3	3,989.3	24.0	34.2	-155.88	-1,876.4	-274.2	3,490.9	3,457.6	33.26	104.953		
6,400.0	6,241.9	7,054.7	6,241.9	24.1	48.2	-159.12	-2,661.6	-407.6	3,524.9	3,485.0	39.88	88.380		
6,500.0	6,341.9	7,154.7	6,341.9	24.2	48.3	-159.12	-2,661.6	-407.6	3,524.9	3,484.8	40.16	87.773		
6,600.0	6,441.9	7,254.7	6,441.9	24.3	48.3	-159.12	-2,661.6	-407.6	3,524.9	3,484.5	40.44	87.169		
6,700.0	6,541.9	7,354.7	6,541.9	24.5	48.4	-159.12	-2,661.6	-407.6	3,524.9	3,484.2	40.72	86.567		
6,800.0	6,641.9	7,454.7	6,641.9	24.6	48.4	-159.12	-2,661.6	-407.6	3,524.9	3,483.9	41.00	85.967		
6,900.0	6,741.9	7,554.7	6,741.9	24.7	48.5	-159.12	-2,661.6	-407.6	3,524.9	3,483.6	41.29	85.369		
7,000.0	6,841.9	7,654.7	6,841.9	24.9	48.5	-159.12	-2,661.6	-407.6	3,524.9	3,483.3	41.58	84.774		
7,100.0	6,941.9	7,754.7	6,941.9	25.0	48.6	-159.12	-2,661.6	-407.6	3,524.9	3,483.0	41.87	84.181		
7,200.0	7,041.9	7,854.7	7,041.9	25.1	48.6	-159.12	-2,661.6	-407.6	3,524.9	3,482.7	42.17	83.592		
7,300.0	7,141.9	7,954.7	7,141.9	25.3	48.7	-159.12	-2,661.6	-407.6	3,524.9	3,482.4	42.47	83.005		
7,400.0	7,241.9	8,054.7	7,241.9	25.4	48.8	-159.12	-2,661.6	-407.6	3,524.9	3,482.1	42.77	82.422		
7,500.0	7,341.9	8,154.7	7,341.9	25.5	48.8	-159.12	-2,661.6	-407.6	3,524.9	3,481.8	43.07	81.842		
7,555.1	7,397.0	8,209.8	7,397.0	25.6	48.9	-159.12	-2,661.6	-407.6	3,524.9	3,481.7	43.24	81.524		

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design		Valley Farms G - Valley Farms G 41C-14-06-92 - Wellbore #1 - Design #1											Offset Site Error:		0.0 usft
Survey Program: 0-MWD													Offset Well Error:		0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
0.0	0.0	0.0	0.0	0.0	0.0	0.23	80.0	0.3	80.0						
100.0	100.0	100.0	100.0	0.1	0.1	0.23	80.0	0.3	80.0	79.8	0.19	428.713			
200.0	200.0	200.0	200.0	0.3	0.3	0.23	80.0	0.3	80.0	79.3	0.64	125.736			
300.0	300.0	300.0	300.0	0.5	0.5	0.23	80.0	0.3	80.0	78.9	1.09	73.671			
400.0	400.0	400.0	400.0	0.8	0.8	0.23	80.0	0.3	80.0	78.4	1.54	52.098			
500.0	500.0	500.0	500.0	1.0	1.0	0.23	80.0	0.3	80.0	78.0	1.98	40.298			
600.0	600.0	600.0	600.0	1.2	1.2	0.23	80.0	0.3	80.0	77.5	2.43	32.856			
700.0	700.0	700.0	700.0	1.4	1.4	0.23	80.0	0.3	80.0	77.1	2.88	27.734			
800.0	800.0	800.0	800.0	1.7	1.7	0.23	80.0	0.3	80.0	76.6	3.33	23.994			
900.0	900.0	900.0	900.0	1.9	1.9	0.23	80.0	0.3	80.0	76.2	3.78	21.143			
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	0.23	80.0	0.3	80.0	75.7	4.23	18.897			
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	0.23	80.0	0.3	80.0	75.4	4.57	17.503			
1,100.0	1,100.0	1,100.0	1,100.0	2.3	2.3	-82.91	80.0	0.3	80.0	75.3	4.68	17.089			
1,104.3	1,104.3	1,104.1	1,104.1	2.3	2.4	-82.95	80.0	0.3	80.0	75.3	4.70	17.023 CC, ES			
1,175.0	1,174.9	1,171.9	1,171.9	2.5	2.5	-84.26	81.4	1.1	81.1	76.1	4.99	16.237			
1,200.0	1,199.9	1,195.8	1,195.8	2.5	2.6	-77.85	82.4	1.7	81.9	76.8	5.10	16.060			
1,300.0	1,299.3	1,291.5	1,291.0	2.8	2.8	-67.64	89.8	5.7	86.0	80.5	5.54	15.512			
1,400.0	1,398.1	1,387.0	1,385.5	3.0	3.0	-66.14	102.0	12.4	91.5	85.5	6.02	15.194			
1,500.0	1,495.6	1,482.3	1,478.8	3.3	3.3	-67.36	118.9	21.7	98.5	91.9	6.57	15.000			
1,604.7	1,596.1	1,581.7	1,574.8	3.7	3.6	-69.78	141.7	34.1	107.7	100.4	7.26	14.823			
1,700.0	1,686.8	1,672.1	1,660.5	4.2	4.0	-72.50	166.8	47.9	118.8	110.8	8.04	14.784 SF			
1,800.0	1,782.0	1,766.3	1,748.0	4.7	4.5	-73.03	197.2	64.6	134.2	125.3	8.93	15.034			
1,900.0	1,877.1	1,859.1	1,832.2	5.2	5.1	-71.89	231.6	83.4	153.3	143.4	9.88	15.515			
2,000.0	1,972.2	1,950.1	1,912.4	5.7	5.8	-69.73	269.2	104.0	176.2	165.3	10.85	16.228			
2,100.0	2,067.3	2,043.2	1,992.4	6.3	6.5	-67.10	311.1	127.0	202.4	190.5	11.85	17.080			
2,200.0	2,162.5	2,139.2	2,074.6	6.9	7.4	-64.91	354.6	150.8	229.3	216.4	12.86	17.832			
2,300.0	2,257.6	2,235.2	2,156.7	7.5	8.2	-63.19	398.1	174.7	256.5	242.6	13.88	18.481			
2,400.0	2,352.7	2,331.2	2,238.9	8.0	9.1	-61.79	441.6	198.5	283.8	268.9	14.90	19.046			
2,500.0	2,447.8	2,427.2	2,321.1	8.6	10.0	-60.64	485.1	222.3	311.3	295.4	15.93	19.540			
2,600.0	2,542.9	2,523.1	2,403.2	9.2	10.9	-59.68	528.6	246.2	338.9	321.9	16.97	19.975			
2,700.0	2,638.1	2,619.1	2,485.4	9.9	11.9	-58.86	572.1	270.0	366.5	348.5	18.00	20.359			
2,800.0	2,733.2	2,715.1	2,567.6	10.5	12.8	-58.16	615.6	293.9	394.2	375.2	19.04	20.702			
2,900.0	2,828.3	2,811.1	2,649.7	11.1	13.7	-57.55	659.1	317.7	422.0	401.9	20.09	21.008			
3,000.0	2,923.4	2,907.1	2,731.9	11.7	14.6	-57.01	702.6	341.5	449.8	428.6	21.13	21.284			
3,100.0	3,018.6	3,003.0	2,814.1	12.3	15.6	-56.54	746.1	365.4	477.6	455.4	22.18	21.533			
3,200.0	3,113.7	3,099.0	2,896.2	12.9	16.5	-56.11	789.6	389.2	505.5	482.2	23.23	21.758			
3,300.0	3,208.8	3,195.0	2,978.4	13.5	17.5	-55.74	833.1	413.1	533.3	509.1	24.28	21.964			
3,400.0	3,303.9	3,291.0	3,060.6	14.1	18.4	-55.40	876.6	436.9	561.2	535.9	25.34	22.152			
3,500.0	3,399.1	3,387.0	3,142.7	14.8	19.4	-55.09	920.1	460.7	589.1	562.8	26.39	22.325			
3,600.0	3,494.2	3,482.9	3,224.9	15.4	20.3	-54.81	963.6	484.6	617.1	589.6	27.45	22.484			
3,700.0	3,589.3	3,578.9	3,307.1	16.0	21.3	-54.55	1,007.1	508.4	645.0	616.5	28.50	22.630			
3,800.0	3,684.4	3,674.9	3,389.2	16.6	22.2	-54.32	1,050.6	532.3	673.0	643.4	29.56	22.766			
3,900.0	3,779.6	3,770.9	3,471.4	17.2	23.2	-54.10	1,094.1	556.1	700.9	670.3	30.62	22.893			
4,000.0	3,874.7	3,866.9	3,553.6	17.9	24.1	-53.90	1,137.6	579.9	728.9	697.2	31.68	23.010			
4,100.0	3,969.8	3,962.8	3,635.7	18.5	25.1	-53.72	1,181.1	603.8	756.9	724.1	32.74	23.120			
4,200.0	4,064.9	4,058.8	3,717.9	19.1	26.0	-53.54	1,224.6	627.6	784.8	751.0	33.80	23.222			
4,300.0	4,160.1	4,154.8	3,800.1	19.7	27.0	-53.39	1,268.1	651.5	812.8	778.0	34.86	23.318			
4,400.0	4,255.2	4,250.8	3,882.2	20.4	27.9	-53.24	1,311.6	675.3	840.8	804.9	35.92	23.408			
4,471.2	4,322.9	4,319.1	3,940.7	20.8	28.6	-53.14	1,342.6	692.3	860.8	824.1	36.68	23.469			
4,500.0	4,350.4	4,346.7	3,964.4	21.0	28.9	-53.29	1,355.1	699.1	868.9	831.9	37.01	23.482			
4,600.0	4,446.7	4,441.8	4,045.8	21.4	29.8	-53.71	1,398.2	722.7	899.3	861.3	38.00	23.663			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Valley Farms G - Valley Farms G 41C-14-06-92 - Wellbore #1 - Design #1		Offset Site Error:		0.0 usft	
Survey Program: 0-MWD														Offset Well Error:		0.0 usft	
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
4,700.0	4,544.2	4,625.3	4,207.7	21.8	31.2	-53.63	1,473.6	764.1	928.2	889.2	39.03	23.782					
4,800.0	4,642.8	4,819.2	4,388.3	22.1	32.3	-53.57	1,535.5	798.0	950.5	910.6	39.87	23.840					
4,900.0	4,742.2	5,020.5	4,583.1	22.3	33.2	-53.55	1,579.4	822.1	965.5	925.0	40.51	23.835					
5,000.0	4,842.0	5,226.4	4,787.2	22.5	33.6	-53.58	1,602.4	834.7	972.9	932.0	40.92	23.776					
5,070.1	4,912.0	5,351.3	4,912.0	22.6	33.8	-0.73	1,605.4	836.3	973.6	932.5	41.05	23.717					
5,100.0	4,941.9	5,381.2	4,941.9	22.6	33.8	-0.73	1,605.4	836.3	973.6	932.5	41.11	23.682					
5,200.0	5,041.9	5,481.2	5,041.9	22.7	33.9	-0.73	1,605.4	836.3	973.6	932.3	41.33	23.554					
5,300.0	5,141.9	5,581.2	5,141.9	22.8	33.9	-0.73	1,605.4	836.3	973.6	932.0	41.56	23.425					
5,400.0	5,241.9	5,681.2	5,241.9	22.9	34.0	-0.73	1,605.4	836.3	973.6	931.8	41.79	23.295					
5,500.0	5,341.9	5,781.2	5,341.9	23.0	34.1	-0.73	1,605.4	836.3	973.6	931.6	42.03	23.165					
5,600.0	5,441.9	5,881.2	5,441.9	23.1	34.1	-0.73	1,605.4	836.3	973.6	931.3	42.27	23.034					
5,700.0	5,541.9	5,981.2	5,541.9	23.3	34.2	-0.73	1,605.4	836.3	973.6	931.1	42.51	22.902					
5,800.0	5,641.9	6,081.2	5,641.9	23.4	34.3	-0.73	1,605.4	836.3	973.6	930.8	42.76	22.771					
5,900.0	5,741.9	6,181.2	5,741.9	23.5	34.4	-0.73	1,605.4	836.3	973.6	930.6	43.00	22.639					
6,000.0	5,841.9	6,281.2	5,841.9	23.6	34.4	-0.73	1,605.4	836.3	973.6	930.3	43.26	22.507					
6,100.0	5,941.9	6,381.2	5,941.9	23.7	34.5	-0.73	1,605.4	836.3	973.6	930.1	43.51	22.375					
6,200.0	6,041.9	6,481.2	6,041.9	23.8	34.6	-0.73	1,605.4	836.3	973.6	929.8	43.77	22.243					
6,300.0	6,141.9	6,581.2	6,141.9	24.0	34.7	-0.73	1,605.4	836.3	973.6	929.6	44.03	22.111					
6,400.0	6,241.9	6,681.2	6,241.9	24.1	34.8	-0.73	1,605.4	836.3	973.6	929.3	44.30	21.979					
6,500.0	6,341.9	6,781.2	6,341.9	24.2	34.8	-0.73	1,605.4	836.3	973.6	929.0	44.56	21.847					
6,600.0	6,441.9	6,881.2	6,441.9	24.3	34.9	-0.73	1,605.4	836.3	973.6	928.8	44.83	21.715					
6,700.0	6,541.9	6,981.2	6,541.9	24.5	35.0	-0.73	1,605.4	836.3	973.6	928.5	45.11	21.584					
6,800.0	6,641.9	7,081.2	6,641.9	24.6	35.1	-0.73	1,605.4	836.3	973.6	928.2	45.38	21.452					
6,900.0	6,741.9	7,181.2	6,741.9	24.7	35.2	-0.73	1,605.4	836.3	973.6	927.9	45.66	21.321					
7,000.0	6,841.9	7,281.2	6,841.9	24.9	35.3	-0.73	1,605.4	836.3	973.6	927.6	45.94	21.191					
7,100.0	6,941.9	7,381.2	6,941.9	25.0	35.4	-0.73	1,605.4	836.3	973.6	927.4	46.23	21.060					
7,200.0	7,041.9	7,481.2	7,041.9	25.1	35.5	-0.73	1,605.4	836.3	973.6	927.1	46.52	20.931					
7,300.0	7,141.9	7,581.2	7,141.9	25.3	35.5	-0.73	1,605.4	836.3	973.6	926.8	46.80	20.801					
7,400.0	7,241.9	7,681.2	7,241.9	25.4	35.6	-0.73	1,605.4	836.3	973.6	926.5	47.10	20.672					
7,500.0	7,341.9	7,781.2	7,341.9	25.5	35.7	-0.73	1,605.4	836.3	973.6	926.2	47.39	20.544					
7,527.0	7,369.0	7,808.3	7,369.0	25.6	35.8	-0.73	1,605.4	836.3	973.6	926.1	47.47	20.509					
7,555.1	7,397.0	7,817.3	7,378.0	25.6	35.8	-0.73	1,605.4	836.3	973.8	926.3	47.53	20.489					

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design														Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 41D-14-06-92 - Wellbore #1 - Design #1														Offset Well Error:	0.0 usft
Survey Program: 0-MWD															
Reference		Offset		Semi Major Axis			Distance								
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	0.23	60.0	0.2	60.0						
100.0	100.0	100.0	100.0	0.1	0.1	0.23	60.0	0.2	60.0	59.8	0.19	321.534			
200.0	200.0	200.0	200.0	0.3	0.3	0.23	60.0	0.2	60.0	59.3	0.64	94.301			
300.0	300.0	300.0	300.0	0.5	0.5	0.23	60.0	0.2	60.0	58.9	1.09	55.253			
400.0	400.0	400.0	400.0	0.8	0.8	0.23	60.0	0.2	60.0	58.4	1.54	39.074			
500.0	500.0	500.0	500.0	1.0	1.0	0.23	60.0	0.2	60.0	58.0	1.98	30.223			
600.0	600.0	600.0	600.0	1.2	1.2	0.23	60.0	0.2	60.0	57.5	2.43	24.642			
700.0	700.0	700.0	700.0	1.4	1.4	0.23	60.0	0.2	60.0	57.1	2.88	20.801			
800.0	800.0	800.0	800.0	1.7	1.7	0.23	60.0	0.2	60.0	56.7	3.33	17.995			
900.0	900.0	900.0	900.0	1.9	1.9	0.23	60.0	0.2	60.0	56.2	3.78	15.857			
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	0.23	60.0	0.2	60.0	55.8	4.23	14.173			
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	0.23	60.0	0.2	60.0	55.4	4.57	13.127 CC			
1,100.0	1,100.0	1,099.6	1,099.6	2.3	2.3	-82.79	60.1	0.4	60.0	55.4	4.68	12.840 ES			
1,175.0	1,174.9	1,173.5	1,173.4	2.5	2.5	-83.03	61.2	2.9	60.9	55.9	4.99	12.213			
1,200.0	1,199.9	1,197.7	1,197.6	2.5	2.6	-76.12	62.0	4.3	61.4	56.3	5.09	12.048			
1,300.0	1,299.3	1,294.5	1,293.8	2.8	2.8	-64.22	68.1	11.8	63.8	58.3	5.54	11.518			
1,400.0	1,398.1	1,391.1	1,389.3	3.0	3.0	-61.56	79.2	21.9	67.4	61.3	6.03	11.176			
1,500.0	1,495.6	1,487.5	1,483.5	3.3	3.3	-62.12	95.2	34.8	72.1	65.5	6.58	10.950			
1,604.7	1,596.1	1,588.3	1,580.5	3.7	3.7	-64.30	117.0	51.1	78.5	71.2	7.30	10.761 SF			
1,700.0	1,686.8	1,679.8	1,667.0	4.2	4.1	-66.64	141.2	68.4	87.1	79.1	8.09	10.774			
1,800.0	1,782.0	1,775.0	1,755.1	4.7	4.6	-66.38	171.0	88.9	100.4	91.4	8.99	11.166			
1,900.0	1,877.1	1,869.8	1,840.6	5.2	5.2	-64.34	204.9	111.6	117.7	107.8	9.92	11.865			
2,000.0	1,972.2	1,967.9	1,928.4	5.7	5.9	-62.27	241.4	135.9	136.6	125.7	10.88	12.547			
2,100.0	2,067.3	2,066.0	2,016.1	6.3	6.7	-60.70	278.0	160.2	155.5	143.7	11.87	13.105			
2,200.0	2,162.5	2,164.1	2,103.9	6.9	7.5	-59.47	314.5	184.5	174.6	161.7	12.87	13.571			
2,300.0	2,257.6	2,262.2	2,191.6	7.5	8.2	-58.49	351.0	208.8	193.7	179.9	13.88	13.962			
2,400.0	2,352.7	2,360.3	2,279.4	8.0	9.0	-57.68	387.6	233.1	212.9	198.0	14.89	14.295			
2,500.0	2,447.8	2,458.4	2,367.1	8.6	9.9	-57.00	424.1	257.4	232.1	216.2	15.92	14.581			
2,600.0	2,542.9	2,556.5	2,454.8	9.2	10.7	-56.43	460.6	281.7	251.4	234.4	16.95	14.828			
2,700.0	2,638.1	2,654.6	2,542.6	9.9	11.5	-55.94	497.2	306.0	270.6	252.6	17.99	15.044			
2,800.0	2,733.2	2,752.7	2,630.3	10.5	12.3	-55.52	533.7	330.3	289.9	270.9	19.03	15.234			
2,900.0	2,828.3	2,850.8	2,718.1	11.1	13.2	-55.14	570.2	354.5	309.2	289.1	20.07	15.403			
3,000.0	2,923.4	2,948.9	2,805.8	11.7	14.0	-54.82	606.8	378.8	328.5	307.4	21.12	15.553			
3,100.0	3,018.6	3,047.0	2,893.6	12.3	14.8	-54.52	643.3	403.1	347.8	325.6	22.17	15.687			
3,200.0	3,113.7	3,145.1	2,981.3	12.9	15.7	-54.26	679.8	427.4	367.1	343.9	23.22	15.808			
3,300.0	3,208.8	3,243.2	3,069.1	13.5	16.5	-54.03	716.4	451.7	386.5	362.2	24.28	15.918			
3,400.0	3,303.9	3,341.3	3,156.8	14.1	17.4	-53.81	752.9	476.0	405.8	380.5	25.33	16.018			
3,500.0	3,399.1	3,439.4	3,244.6	14.8	18.2	-53.62	789.4	500.3	425.1	398.7	26.39	16.109			
3,600.0	3,494.2	3,537.5	3,332.3	15.4	19.1	-53.44	826.0	524.6	444.5	417.0	27.45	16.192			
3,700.0	3,589.3	3,635.6	3,420.0	16.0	19.9	-53.28	862.5	548.9	463.8	435.3	28.51	16.269			
3,800.0	3,684.4	3,733.7	3,507.8	16.6	20.8	-53.13	899.0	573.2	483.1	453.6	29.57	16.339			
3,900.0	3,779.6	3,831.9	3,595.5	17.2	21.6	-53.00	935.6	597.5	502.5	471.9	30.63	16.405			
4,000.0	3,874.7	3,930.0	3,683.3	17.9	22.5	-52.87	972.1	621.8	521.9	490.2	31.69	16.465			
4,100.0	3,969.8	4,028.1	3,771.0	18.5	23.3	-52.75	1,008.6	646.1	541.2	508.4	32.76	16.522			
4,200.0	4,064.9	4,126.2	3,858.8	19.1	24.2	-52.64	1,045.2	670.4	560.6	526.7	33.82	16.574			
4,300.0	4,160.1	4,224.3	3,946.5	19.7	25.0	-52.54	1,081.7	694.7	579.9	545.0	34.89	16.624			
4,400.0	4,255.2	4,322.4	4,034.3	20.4	25.9	-52.44	1,118.2	719.0	599.3	563.3	35.95	16.670			
4,471.2	4,322.9	4,413.0	4,116.1	20.8	26.6	-52.45	1,150.8	740.6	612.1	575.3	36.79	16.637			
4,500.0	4,350.4	4,451.8	4,151.6	21.0	26.8	-52.60	1,163.7	749.2	616.6	579.5	37.12	16.609			
4,600.0	4,446.7	4,587.2	4,278.0	21.4	27.6	-53.09	1,204.1	776.1	630.5	592.4	38.14	16.533			
4,700.0	4,544.2	4,724.1	4,408.9	21.8	28.2	-53.48	1,237.3	798.2	641.8	602.8	38.99	16.461			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Valley Farms G - Valley Farms G 41D-14-06-92 - Wellbore #1 - Design #1													Offset Site Error: 0.0 usft	
Survey Program: 0-MWD													Offset Well Error: 0.0 usft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,800.0	4,642.8	4,862.1	4,543.4	22.1	28.7	-53.79	1,262.7	815.1	650.3	610.6	39.67	16.392		
4,900.0	4,742.2	5,000.9	4,680.6	22.3	29.1	-54.01	1,280.1	826.6	655.9	615.7	40.18	16.324		
5,000.0	4,842.0	5,140.2	4,819.5	22.5	29.4	-54.15	1,289.2	832.7	658.6	618.1	40.50	16.262		
5,070.1	4,912.0	5,232.7	4,912.0	22.6	29.5	-1.31	1,290.5	833.6	658.8	618.2	40.62	16.219		
5,100.0	4,941.9	5,262.7	4,941.9	22.6	29.5	-1.31	1,290.5	833.6	658.8	618.2	40.68	16.194		
5,200.0	5,041.9	5,362.7	5,041.9	22.7	29.6	-1.31	1,290.5	833.6	658.8	617.9	40.91	16.105		
5,300.0	5,141.9	5,462.7	5,141.9	22.8	29.6	-1.31	1,290.5	833.6	658.8	617.7	41.14	16.014		
5,400.0	5,241.9	5,562.7	5,241.9	22.9	29.7	-1.31	1,290.5	833.6	658.8	617.5	41.38	15.923		
5,500.0	5,341.9	5,662.7	5,341.9	23.0	29.8	-1.31	1,290.5	833.6	658.8	617.2	41.62	15.831		
5,600.0	5,441.9	5,762.7	5,441.9	23.1	29.9	-1.31	1,290.5	833.6	658.8	617.0	41.86	15.739		
5,700.0	5,541.9	5,862.7	5,541.9	23.3	30.0	-1.31	1,290.5	833.6	658.8	616.7	42.11	15.647		
5,800.0	5,641.9	5,962.7	5,641.9	23.4	30.1	-1.31	1,290.5	833.6	658.8	616.5	42.36	15.554		
5,900.0	5,741.9	6,062.7	5,741.9	23.5	30.1	-1.31	1,290.5	833.6	658.8	616.2	42.61	15.462		
6,000.0	5,841.9	6,162.7	5,841.9	23.6	30.2	-1.31	1,290.5	833.6	658.8	616.0	42.87	15.370		
6,100.0	5,941.9	6,262.7	5,941.9	23.7	30.3	-1.31	1,290.5	833.6	658.8	615.7	43.13	15.277		
6,200.0	6,041.9	6,362.7	6,041.9	23.8	30.4	-1.31	1,290.5	833.6	658.8	615.4	43.39	15.185		
6,300.0	6,141.9	6,462.7	6,141.9	24.0	30.5	-1.31	1,290.5	833.6	658.8	615.2	43.65	15.092		
6,400.0	6,241.9	6,562.7	6,241.9	24.1	30.6	-1.31	1,290.5	833.6	658.8	614.9	43.92	15.000		
6,500.0	6,341.9	6,662.7	6,341.9	24.2	30.7	-1.31	1,290.5	833.6	658.8	614.6	44.19	14.908		
6,600.0	6,441.9	6,762.7	6,441.9	24.3	30.8	-1.31	1,290.5	833.6	658.8	614.4	44.47	14.816		
6,700.0	6,541.9	6,862.7	6,541.9	24.5	30.9	-1.31	1,290.5	833.6	658.8	614.1	44.75	14.724		
6,800.0	6,641.9	6,962.7	6,641.9	24.6	31.0	-1.31	1,290.5	833.6	658.8	613.8	45.03	14.632		
6,900.0	6,741.9	7,062.7	6,741.9	24.7	31.1	-1.31	1,290.5	833.6	658.8	613.5	45.31	14.541		
7,000.0	6,841.9	7,162.7	6,841.9	24.9	31.2	-1.31	1,290.5	833.6	658.8	613.2	45.59	14.450		
7,100.0	6,941.9	7,262.7	6,941.9	25.0	31.3	-1.31	1,290.5	833.6	658.8	613.0	45.88	14.359		
7,200.0	7,041.9	7,362.7	7,041.9	25.1	31.4	-1.31	1,290.5	833.6	658.8	612.7	46.17	14.269		
7,300.0	7,141.9	7,462.7	7,141.9	25.3	31.5	-1.31	1,290.5	833.6	658.8	612.4	46.47	14.179		
7,400.0	7,241.9	7,562.7	7,241.9	25.4	31.6	-1.31	1,290.5	833.6	658.8	612.1	46.76	14.089		
7,500.0	7,341.9	7,662.7	7,341.9	25.5	31.7	-1.31	1,290.5	833.6	658.8	611.8	47.06	14.000		
7,531.0	7,373.0	7,693.7	7,373.0	25.6	31.7	-1.31	1,290.5	833.6	658.8	611.7	47.15	13.972		
7,555.1	7,397.0	7,704.7	7,384.0	25.6	31.8	-1.31	1,290.5	833.6	659.0	611.8	47.21	13.959		

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design														Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 42A-14-06-92 - Wellbore #1 - Design #1														Offset Well Error:	0.0 usft
Survey Program: 0-MWD															
Reference		Offset		Semi Major Axis			Distance								
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	0.23	30.0	0.1	30.0						
100.0	100.0	100.0	100.0	0.1	0.1	0.23	30.0	0.1	30.0	29.8	0.19	160.767			
200.0	200.0	200.0	200.0	0.3	0.3	0.23	30.0	0.1	30.0	29.4	0.64	47.151			
300.0	300.0	300.0	300.0	0.5	0.5	0.23	30.0	0.1	30.0	28.9	1.09	27.627			
400.0	400.0	400.0	400.0	0.8	0.8	0.23	30.0	0.1	30.0	28.5	1.54	19.537			
500.0	500.0	500.0	500.0	1.0	1.0	0.23	30.0	0.1	30.0	28.0	1.98	15.112			
600.0	600.0	600.0	600.0	1.2	1.2	0.23	30.0	0.1	30.0	27.6	2.43	12.321			
700.0	700.0	700.0	700.0	1.4	1.4	0.23	30.0	0.1	30.0	27.1	2.88	10.400			
800.0	800.0	800.0	800.0	1.7	1.7	0.23	30.0	0.1	30.0	26.7	3.33	8.998			
900.0	900.0	900.0	900.0	1.9	1.9	0.23	30.0	0.1	30.0	26.2	3.78	7.928			
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	0.23	30.0	0.1	30.0	25.8	4.23	7.086			
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	0.23	30.0	0.1	30.0	25.4	4.57	6.564 CC			
1,100.0	1,100.0	1,099.9	1,099.9	2.3	2.3	-82.77	30.0	0.3	30.0	25.3	4.68	6.417			
1,175.0	1,174.9	1,174.7	1,174.6	2.5	2.5	-82.83	30.5	3.1	30.1	25.2	4.98	6.052			
1,200.0	1,199.9	1,199.3	1,199.2	2.5	2.5	-75.83	30.9	4.7	30.2	25.2	5.09	5.943 ES			
1,300.0	1,299.3	1,297.8	1,297.2	2.8	2.8	-63.72	35.5	13.3	31.0	25.5	5.54	5.591			
1,400.0	1,398.1	1,396.4	1,394.5	3.0	3.0	-61.06	44.8	25.4	32.4	26.4	6.04	5.366			
1,500.0	1,495.6	1,494.8	1,490.7	3.3	3.3	-61.84	58.8	40.9	34.5	27.9	6.61	5.224			
1,604.7	1,596.1	1,597.8	1,589.9	3.7	3.7	-64.37	78.3	60.8	37.6	30.3	7.35	5.123 SF			
1,700.0	1,686.8	1,691.5	1,678.4	4.2	4.1	-65.27	100.5	82.1	42.7	34.6	8.16	5.239			
1,800.0	1,782.0	1,791.2	1,771.6	4.7	4.7	-63.41	126.3	106.4	50.1	41.0	9.06	5.522			
1,900.0	1,877.1	1,891.0	1,864.8	5.2	5.2	-62.02	152.1	130.8	57.4	47.4	10.01	5.735			
2,000.0	1,972.2	1,990.7	1,958.0	5.7	5.8	-60.95	177.9	155.1	64.8	53.8	10.98	5.898			
2,100.0	2,067.3	2,090.4	2,051.2	6.3	6.5	-60.09	203.7	179.4	72.2	60.2	11.98	6.024			
2,200.0	2,162.5	2,190.1	2,144.4	6.9	7.1	-59.40	229.5	203.7	79.6	66.6	12.99	6.125			
2,300.0	2,257.6	2,289.8	2,237.6	7.5	7.8	-58.82	255.3	228.0	87.0	73.0	14.01	6.206			
2,400.0	2,352.7	2,389.6	2,330.8	8.0	8.4	-58.34	281.2	252.3	94.4	79.3	15.05	6.273			
2,500.0	2,447.8	2,489.3	2,424.0	8.6	9.1	-57.92	307.0	276.6	101.8	85.7	16.09	6.328			
2,600.0	2,542.9	2,589.0	2,517.2	9.2	9.8	-57.57	332.8	301.0	109.2	92.1	17.14	6.375			
2,700.0	2,638.1	2,688.7	2,610.4	9.9	10.5	-57.25	358.6	325.3	116.7	98.5	18.19	6.414			
2,800.0	2,733.2	2,788.5	2,703.6	10.5	11.1	-56.98	384.4	349.6	124.1	104.9	19.25	6.448			
2,900.0	2,828.3	2,888.2	2,796.8	11.1	11.8	-56.73	410.2	373.9	131.5	111.2	20.31	6.478			
3,000.0	2,923.4	2,987.9	2,890.0	11.7	12.5	-56.52	436.0	398.2	139.0	117.6	21.37	6.503			
3,100.0	3,018.6	3,087.6	2,983.2	12.3	13.2	-56.32	461.8	422.5	146.4	124.0	22.44	6.526			
3,200.0	3,113.7	3,187.3	3,076.4	12.9	13.9	-56.14	487.6	446.8	153.9	130.4	23.50	6.546			
3,300.0	3,208.8	3,287.1	3,169.6	13.5	14.6	-55.98	513.5	471.2	161.3	136.7	24.57	6.564			
3,400.0	3,303.9	3,386.8	3,262.8	14.1	15.3	-55.84	539.3	495.5	168.7	143.1	25.65	6.580			
3,500.0	3,399.1	3,486.5	3,356.0	14.8	16.0	-55.70	565.1	519.8	176.2	149.5	26.72	6.594			
3,600.0	3,494.2	3,586.2	3,449.2	15.4	16.7	-55.58	590.9	544.1	183.6	155.8	27.80	6.607			
3,700.0	3,589.3	3,685.9	3,542.4	16.0	17.4	-55.47	616.7	568.4	191.1	162.2	28.87	6.619			
3,800.0	3,684.4	3,785.7	3,635.7	16.6	18.1	-55.36	642.5	592.7	198.5	168.6	29.95	6.629			
3,900.0	3,779.6	3,885.4	3,728.9	17.2	18.8	-55.26	668.3	617.1	206.0	175.0	31.03	6.639			
4,000.0	3,874.7	3,985.1	3,822.1	17.9	19.5	-55.17	694.1	641.4	213.4	181.3	32.10	6.648			
4,100.0	3,969.8	4,084.8	3,915.3	18.5	20.2	-55.09	720.0	665.7	220.9	187.7	33.18	6.656			
4,200.0	4,064.9	4,184.6	4,008.5	19.1	20.9	-55.01	745.8	690.0	228.3	194.1	34.26	6.664			
4,300.0	4,160.1	4,284.3	4,101.7	19.7	21.6	-54.93	771.6	714.3	235.8	200.4	35.34	6.671			
4,400.0	4,255.2	4,384.0	4,194.9	20.4	22.3	-54.87	797.4	738.6	243.2	206.8	36.43	6.678			
4,471.2	4,322.9	4,458.5	4,264.7	20.8	22.8	-54.88	816.4	756.5	248.3	211.1	37.20	6.674			
4,500.0	4,350.4	4,490.2	4,294.6	21.0	23.0	-55.01	824.0	763.7	250.0	212.5	37.53	6.662			
4,600.0	4,446.7	4,600.1	4,399.7	21.4	23.5	-55.40	847.4	785.8	255.2	216.8	38.43	6.642			
4,700.0	4,544.2	4,710.3	4,506.7	21.8	24.0	-55.71	866.5	803.7	259.4	220.3	39.18	6.622			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Valley Farms G - Valley Farms G 42A-14-06-92 - Wellbore #1 - Design #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,800.0	4,642.8	4,820.7	4,615.2	22.1	24.3	-55.96	881.1	817.4	262.6	222.8	39.78	6.602		
4,900.0	4,742.2	4,931.1	4,724.8	22.3	24.6	-56.14	891.0	826.9	264.8	224.5	40.24	6.580		
5,000.0	4,842.0	5,041.7	4,835.1	22.5	24.8	-56.26	896.4	831.9	265.8	225.3	40.54	6.557		
5,070.1	4,912.0	5,118.6	4,912.0	22.6	24.9	-3.41	897.4	832.8	266.0	225.3	40.68	6.538		
5,100.0	4,941.9	5,148.6	4,941.9	22.6	24.9	-3.41	897.4	832.8	266.0	225.2	40.74	6.528		
5,200.0	5,041.9	5,248.6	5,041.9	22.7	25.0	-3.41	897.4	832.8	266.0	225.0	40.97	6.492		
5,300.0	5,141.9	5,348.6	5,141.9	22.8	25.1	-3.41	897.4	832.8	266.0	224.8	41.20	6.455		
5,400.0	5,241.9	5,448.6	5,241.9	22.9	25.2	-3.41	897.4	832.8	266.0	224.5	41.44	6.418		
5,500.0	5,341.9	5,548.6	5,341.9	23.0	25.3	-3.41	897.4	832.8	266.0	224.3	41.68	6.381		
5,600.0	5,441.9	5,648.6	5,441.9	23.1	25.4	-3.41	897.4	832.8	266.0	224.0	41.93	6.343		
5,700.0	5,541.9	5,748.6	5,541.9	23.3	25.5	-3.41	897.4	832.8	266.0	223.8	42.18	6.306		
5,800.0	5,641.9	5,848.6	5,641.9	23.4	25.6	-3.41	897.4	832.8	266.0	223.5	42.43	6.268		
5,900.0	5,741.9	5,948.6	5,741.9	23.5	25.7	-3.41	897.4	832.8	266.0	223.3	42.69	6.231		
6,000.0	5,841.9	6,048.6	5,841.9	23.6	25.8	-3.41	897.4	832.8	266.0	223.0	42.95	6.193		
6,100.0	5,941.9	6,148.6	5,941.9	23.7	25.9	-3.41	897.4	832.8	266.0	222.8	43.21	6.156		
6,200.0	6,041.9	6,248.6	6,041.9	23.8	26.0	-3.41	897.4	832.8	266.0	222.5	43.47	6.118		
6,300.0	6,141.9	6,348.6	6,141.9	24.0	26.1	-3.41	897.4	832.8	266.0	222.2	43.74	6.080		
6,400.0	6,241.9	6,448.6	6,241.9	24.1	26.2	-3.41	897.4	832.8	266.0	222.0	44.01	6.043		
6,500.0	6,341.9	6,548.6	6,341.9	24.2	26.3	-3.41	897.4	832.8	266.0	221.7	44.29	6.006		
6,600.0	6,441.9	6,648.6	6,441.9	24.3	26.5	-3.41	897.4	832.8	266.0	221.4	44.56	5.968		
6,700.0	6,541.9	6,748.6	6,541.9	24.5	26.6	-3.41	897.4	832.8	266.0	221.1	44.84	5.931		
6,800.0	6,641.9	6,848.6	6,641.9	24.6	26.7	-3.41	897.4	832.8	266.0	220.8	45.13	5.894		
6,900.0	6,741.9	6,948.6	6,741.9	24.7	26.8	-3.41	897.4	832.8	266.0	220.6	45.41	5.857		
7,000.0	6,841.9	7,048.6	6,841.9	24.9	26.9	-3.41	897.4	832.8	266.0	220.3	45.70	5.820		
7,100.0	6,941.9	7,148.6	6,941.9	25.0	27.0	-3.41	897.4	832.8	266.0	220.0	45.99	5.783		
7,200.0	7,041.9	7,248.6	7,041.9	25.1	27.2	-3.41	897.4	832.8	266.0	219.7	46.28	5.747		
7,300.0	7,141.9	7,348.6	7,141.9	25.3	27.3	-3.41	897.4	832.8	266.0	219.4	46.58	5.710		
7,400.0	7,241.9	7,448.6	7,241.9	25.4	27.4	-3.41	897.4	832.8	266.0	219.1	46.88	5.674		
7,500.0	7,341.9	7,548.6	7,341.9	25.5	27.5	-3.41	897.4	832.8	266.0	218.8	47.18	5.638		
7,534.9	7,376.8	7,583.4	7,376.8	25.6	27.6	-3.41	897.4	832.8	266.0	218.7	47.28	5.625		
7,555.1	7,397.0	7,598.6	7,392.0	25.6	27.6	-3.41	897.4	832.8	266.0	218.7	47.33	5.620		

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 42C-14-06-92 - Wellbore #1 - Design #1													Offset Well Error:	0.0 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-179.77	-30.0	-0.1	30.0					
100.0	100.0	100.0	100.0	0.1	0.1	-179.77	-30.0	-0.1	30.0	29.8	0.19	160.767		
200.0	200.0	200.0	200.0	0.3	0.3	-179.77	-30.0	-0.1	30.0	29.4	0.64	47.151		
300.0	300.0	300.0	300.0	0.5	0.5	-179.77	-30.0	-0.1	30.0	28.9	1.09	27.627		
400.0	400.0	400.0	400.0	0.8	0.8	-179.77	-30.0	-0.1	30.0	28.5	1.54	19.537		
500.0	500.0	500.0	500.0	1.0	1.0	-179.77	-30.0	-0.1	30.0	28.0	1.98	15.112		
600.0	600.0	600.0	600.0	1.2	1.2	-179.77	-30.0	-0.1	30.0	27.6	2.43	12.321		
700.0	700.0	700.0	700.0	1.4	1.4	-179.77	-30.0	-0.1	30.0	27.1	2.88	10.400		
800.0	800.0	800.0	800.0	1.7	1.7	-179.77	-30.0	-0.1	30.0	26.7	3.33	8.998		
900.0	900.0	900.0	900.0	1.9	1.9	-179.77	-30.0	-0.1	30.0	26.2	3.78	7.928		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-179.77	-30.0	-0.1	30.0	25.8	4.23	7.086		
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	-179.77	-30.0	-0.1	30.0	25.4	4.57	6.564 CC		
1,100.0	1,100.0	1,100.0	1,100.0	2.3	2.3	97.23	-30.0	0.1	30.0	25.3	4.68	6.416		
1,175.0	1,174.9	1,175.2	1,175.1	2.5	2.5	97.19	-29.7	2.9	30.1	25.1	4.98	6.043		
1,200.0	1,199.9	1,200.4	1,200.3	2.5	2.5	104.18	-29.5	4.6	30.2	25.1	5.09	5.934 ES		
1,300.0	1,299.3	1,301.2	1,300.5	2.8	2.8	115.88	-26.9	14.9	31.5	26.0	5.55	5.686 SF		
1,400.0	1,398.1	1,401.9	1,399.8	3.0	3.0	117.77	-21.6	30.7	34.4	28.4	6.05	5.688		
1,500.0	1,495.6	1,502.5	1,497.8	3.3	3.4	116.35	-13.6	51.9	39.1	32.4	6.66	5.861		
1,604.7	1,596.1	1,607.0	1,598.6	3.7	3.8	116.73	-3.5	77.4	46.5	39.1	7.43	6.258		
1,700.0	1,686.8	1,702.0	1,690.3	4.2	4.2	118.64	5.6	100.6	55.0	46.8	8.21	6.694		
1,800.0	1,782.0	1,801.5	1,786.4	4.7	4.6	120.10	15.2	124.9	63.9	54.8	9.08	7.036		
1,900.0	1,877.1	1,901.1	1,882.5	5.2	5.1	121.20	24.8	149.3	72.9	62.9	9.99	7.295		
2,000.0	1,972.2	2,000.7	1,978.5	5.7	5.5	122.06	34.4	173.6	81.9	71.0	10.93	7.493		
2,100.0	2,067.3	2,100.3	2,074.6	6.3	6.0	122.75	44.0	197.9	90.9	79.0	11.88	7.649		
2,200.0	2,162.5	2,199.9	2,170.7	6.9	6.5	123.31	53.6	222.2	99.9	87.1	12.85	7.774		
2,300.0	2,257.6	2,299.5	2,266.8	7.5	7.1	123.78	63.2	246.5	108.9	95.1	13.84	7.874		
2,400.0	2,352.7	2,399.1	2,362.9	8.0	7.6	124.18	72.8	270.9	118.0	103.2	14.83	7.957		
2,500.0	2,447.8	2,498.7	2,459.0	8.6	8.1	124.52	82.4	295.2	127.0	111.2	15.83	8.026		
2,600.0	2,542.9	2,598.2	2,555.1	9.2	8.6	124.82	92.0	319.5	136.1	119.2	16.83	8.083		
2,700.0	2,638.1	2,697.8	2,651.2	9.9	9.1	125.08	101.6	343.8	145.1	127.3	17.84	8.133		
2,800.0	2,733.2	2,797.4	2,747.3	10.5	9.7	125.31	111.2	368.2	154.2	135.3	18.86	8.175		
2,900.0	2,828.3	2,897.0	2,843.4	11.1	10.2	125.51	120.8	392.5	163.2	143.3	19.88	8.211		
3,000.0	2,923.4	2,996.6	2,939.5	11.7	10.7	125.70	130.4	416.8	172.3	151.4	20.90	8.243		
3,100.0	3,018.6	3,096.2	3,035.6	12.3	11.3	125.86	140.0	441.1	181.3	159.4	21.92	8.271		
3,200.0	3,113.7	3,195.8	3,131.7	12.9	11.8	126.01	149.6	465.4	190.4	167.4	22.95	8.296		
3,300.0	3,208.8	3,295.4	3,227.8	13.5	12.3	126.14	159.2	489.8	199.4	175.5	23.98	8.318		
3,400.0	3,303.9	3,395.0	3,323.9	14.1	12.9	126.27	168.8	514.1	208.5	183.5	25.01	8.338		
3,500.0	3,399.1	3,494.5	3,420.0	14.8	13.4	126.38	178.4	538.4	217.5	191.5	26.04	8.355		
3,600.0	3,494.2	3,594.1	3,516.0	15.4	14.0	126.48	188.0	562.7	226.6	199.5	27.07	8.371		
3,700.0	3,589.3	3,693.7	3,612.1	16.0	14.5	126.58	197.6	587.1	235.7	207.6	28.10	8.386		
3,800.0	3,684.4	3,793.3	3,708.2	16.6	15.0	126.67	207.2	611.4	244.7	215.6	29.14	8.399		
3,900.0	3,779.6	3,892.9	3,804.3	17.2	15.6	126.75	216.8	635.7	253.8	223.6	30.18	8.411		
4,000.0	3,874.7	3,992.5	3,900.4	17.9	16.1	126.83	226.4	660.0	262.9	231.6	31.21	8.422		
4,100.0	3,969.8	4,092.1	3,996.5	18.5	16.7	126.90	236.0	684.3	271.9	239.7	32.25	8.432		
4,200.0	4,064.9	4,191.7	4,092.6	19.1	17.2	126.97	245.6	708.7	281.0	247.7	33.29	8.441		
4,300.0	4,160.1	4,291.2	4,188.7	19.7	17.7	127.03	255.2	733.0	290.0	255.7	34.33	8.449		
4,400.0	4,255.2	4,390.8	4,284.8	20.4	18.3	127.09	264.8	757.3	299.1	263.7	35.37	8.457		
4,471.2	4,322.9	4,461.7	4,353.2	20.8	18.7	127.13	271.6	774.6	305.6	269.4	36.11	8.463		
4,500.0	4,350.4	4,490.4	4,380.9	21.0	18.8	127.17	274.4	781.6	308.0	271.6	36.40	8.463		
4,600.0	4,446.7	4,586.5	4,473.9	21.4	19.3	126.97	283.4	804.3	315.0	277.7	37.32	8.441		
4,700.0	4,544.2	4,680.6	4,565.9	21.8	19.7	126.77	290.6	822.5	320.5	282.5	38.04	8.426		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 42C-14-06-92 - Wellbore #1 - Design #1													Offset Well Error:	0.0 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,800.0	4,642.8	4,774.7	4,658.8	22.1	19.9	126.61	296.1	836.5	324.7	286.1	38.61	8.409		
4,900.0	4,742.2	4,868.9	4,752.3	22.3	20.1	126.49	299.9	846.3	327.6	288.5	39.06	8.387		
5,000.0	4,842.0	4,963.1	4,846.3	22.5	20.3	126.40	302.1	851.7	329.1	289.7	39.36	8.360		
5,070.1	4,912.0	5,029.1	4,912.3	22.6	20.4	179.25	302.6	853.0	329.3	289.8	39.51	8.336		
5,082.5	4,924.5	5,041.3	4,924.5	22.6	20.4	179.25	302.6	853.0	329.3	289.8	39.53	8.331		
5,100.0	4,941.9	5,058.7	4,941.9	22.6	20.4	179.25	302.6	853.0	329.3	289.8	39.57	8.323		
5,200.0	5,041.9	5,158.7	5,041.9	22.7	20.5	179.25	302.6	853.0	329.3	289.5	39.81	8.273		
5,300.0	5,141.9	5,258.7	5,141.9	22.8	20.7	179.25	302.6	853.0	329.3	289.3	40.05	8.223		
5,400.0	5,241.9	5,358.7	5,241.9	22.9	20.8	179.25	302.6	853.0	329.3	289.0	40.30	8.173		
5,500.0	5,341.9	5,458.7	5,341.9	23.0	20.9	179.25	302.6	853.0	329.3	288.8	40.55	8.122		
5,600.0	5,441.9	5,558.7	5,441.9	23.1	21.0	179.25	302.6	853.0	329.3	288.5	40.80	8.072		
5,700.0	5,541.9	5,658.7	5,541.9	23.3	21.1	179.25	302.6	853.0	329.3	288.3	41.06	8.021		
5,800.0	5,641.9	5,758.7	5,641.9	23.4	21.3	179.25	302.6	853.0	329.3	288.0	41.32	7.970		
5,900.0	5,741.9	5,858.7	5,741.9	23.5	21.4	179.25	302.6	853.0	329.3	287.8	41.59	7.920		
6,000.0	5,841.9	5,958.7	5,841.9	23.6	21.5	179.25	302.6	853.0	329.3	287.5	41.85	7.869		
6,100.0	5,941.9	6,058.7	5,941.9	23.7	21.7	179.25	302.6	853.0	329.3	287.2	42.12	7.819		
6,200.0	6,041.9	6,158.7	6,041.9	23.8	21.8	179.25	302.6	853.0	329.3	286.9	42.40	7.768		
6,300.0	6,141.9	6,258.7	6,141.9	24.0	21.9	179.25	302.6	853.0	329.3	286.7	42.67	7.718		
6,400.0	6,241.9	6,358.7	6,241.9	24.1	22.1	179.25	302.6	853.0	329.3	286.4	42.95	7.668		
6,500.0	6,341.9	6,458.7	6,341.9	24.2	22.2	179.25	302.6	853.0	329.3	286.1	43.23	7.618		
6,600.0	6,441.9	6,558.7	6,441.9	24.3	22.3	179.25	302.6	853.0	329.3	285.8	43.52	7.568		
6,700.0	6,541.9	6,658.7	6,541.9	24.5	22.5	179.25	302.6	853.0	329.3	285.5	43.81	7.518		
6,800.0	6,641.9	6,758.7	6,641.9	24.6	22.6	179.25	302.6	853.0	329.3	285.2	44.10	7.469		
6,900.0	6,741.9	6,858.7	6,741.9	24.7	22.8	179.25	302.6	853.0	329.3	285.0	44.39	7.419		
7,000.0	6,841.9	6,958.7	6,841.9	24.9	22.9	179.25	302.6	853.0	329.3	284.7	44.69	7.370		
7,100.0	6,941.9	7,058.7	6,941.9	25.0	23.0	179.25	302.6	853.0	329.3	284.4	44.98	7.321		
7,200.0	7,041.9	7,158.7	7,041.9	25.1	23.2	179.25	302.6	853.0	329.3	284.1	45.28	7.273		
7,300.0	7,141.9	7,258.7	7,141.9	25.3	23.3	179.25	302.6	853.0	329.3	283.8	45.59	7.224		
7,400.0	7,241.9	7,358.7	7,241.9	25.4	23.5	179.25	302.6	853.0	329.3	283.4	45.89	7.176		
7,500.0	7,341.9	7,458.7	7,341.9	25.5	23.6	179.25	302.6	853.0	329.3	283.1	46.20	7.128		
7,555.1	7,397.0	7,513.8	7,397.0	25.6	23.7	179.25	302.6	853.0	329.3	283.0	46.37	7.102		

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 42D-14-06-92 - Wellbore #1 - Design #1													Offset Well Error:	0.0 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-179.77	-60.0	-0.2	60.0					
100.0	100.0	100.0	100.0	0.1	0.1	-179.77	-60.0	-0.2	60.0	59.8	0.19	321.534		
200.0	200.0	200.0	200.0	0.3	0.3	-179.77	-60.0	-0.2	60.0	59.3	0.64	94.301		
300.0	300.0	300.0	300.0	0.5	0.5	-179.77	-60.0	-0.2	60.0	58.9	1.09	55.253		
400.0	400.0	400.0	400.0	0.8	0.8	-179.77	-60.0	-0.2	60.0	58.4	1.54	39.074		
500.0	500.0	500.0	500.0	1.0	1.0	-179.77	-60.0	-0.2	60.0	58.0	1.98	30.223		
600.0	600.0	600.0	600.0	1.2	1.2	-179.77	-60.0	-0.2	60.0	57.5	2.43	24.642		
700.0	700.0	700.0	700.0	1.4	1.4	-179.77	-60.0	-0.2	60.0	57.1	2.88	20.801		
800.0	800.0	800.0	800.0	1.7	1.7	-179.77	-60.0	-0.2	60.0	56.7	3.33	17.995		
900.0	900.0	900.0	900.0	1.9	1.9	-179.77	-60.0	-0.2	60.0	56.2	3.78	15.857		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-179.77	-60.0	-0.2	60.0	55.8	4.23	14.173		
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	-179.77	-60.0	-0.2	60.0	55.4	4.57	13.127 CC		
1,100.0	1,100.0	1,100.0	1,100.0	2.3	2.3	97.41	-60.0	-0.2	60.0	55.3	4.68	12.826 ES		
1,175.0	1,174.9	1,175.1	1,175.1	2.5	2.5	98.70	-59.9	1.2	60.3	55.3	4.99	12.086		
1,200.0	1,199.9	1,200.2	1,200.1	2.5	2.6	106.23	-59.9	2.4	60.6	55.5	5.10	11.889		
1,300.0	1,299.3	1,300.4	1,300.0	2.8	2.8	120.68	-59.6	10.3	64.3	58.8	5.54	11.616 SF		
1,400.0	1,398.1	1,400.4	1,399.2	3.0	3.0	125.83	-59.1	23.3	71.9	65.9	6.01	11.971		
1,500.0	1,495.6	1,500.1	1,497.2	3.3	3.3	127.68	-58.4	41.5	83.5	77.0	6.55	12.746		
1,604.7	1,596.1	1,603.8	1,598.0	3.7	3.6	128.08	-57.5	65.6	99.8	92.6	7.23	13.805		
1,700.0	1,686.8	1,697.6	1,688.9	4.2	4.0	127.87	-56.7	88.9	116.7	108.7	7.96	14.654		
1,800.0	1,782.0	1,796.1	1,784.3	4.7	4.4	127.70	-55.8	113.3	134.4	125.6	8.79	15.288		
1,900.0	1,877.1	1,894.5	1,879.6	5.2	4.8	127.57	-54.8	137.7	152.1	142.4	9.66	15.741		
2,000.0	1,972.2	1,992.9	1,975.0	5.7	5.3	127.47	-53.9	162.0	169.8	159.2	10.57	16.068		
2,100.0	2,067.3	2,091.3	2,070.3	6.3	5.7	127.38	-53.0	186.4	187.5	176.0	11.50	16.306		
2,200.0	2,162.5	2,189.7	2,165.7	6.9	6.2	127.32	-52.1	210.8	205.2	192.8	12.45	16.482		
2,300.0	2,257.6	2,288.2	2,261.0	7.5	6.7	127.26	-51.2	235.2	222.9	209.5	13.42	16.614		
2,400.0	2,352.7	2,386.6	2,356.4	8.0	7.2	127.21	-50.3	259.6	240.6	226.2	14.40	16.713		
2,500.0	2,447.8	2,485.0	2,451.7	8.6	7.6	127.17	-49.4	284.0	258.3	242.9	15.39	16.789		
2,600.0	2,542.9	2,583.4	2,547.0	9.2	8.1	127.13	-48.5	308.4	276.0	259.6	16.38	16.847		
2,700.0	2,638.1	2,681.8	2,642.4	9.9	8.6	127.10	-47.6	332.8	293.7	276.3	17.39	16.891		
2,800.0	2,733.2	2,780.3	2,737.7	10.5	9.1	127.07	-46.7	357.2	311.4	293.0	18.40	16.925		
2,900.0	2,828.3	2,878.7	2,833.1	11.1	9.6	127.04	-45.8	381.6	329.1	309.7	19.42	16.951		
3,000.0	2,923.4	2,977.1	2,928.4	11.7	10.1	127.02	-44.9	405.9	346.8	326.4	20.44	16.972		
3,100.0	3,018.6	3,075.5	3,023.8	12.3	10.6	127.00	-43.9	430.3	364.5	343.1	21.46	16.987		
3,200.0	3,113.7	3,173.9	3,119.1	12.9	11.1	126.98	-43.0	454.7	382.2	359.8	22.49	16.999		
3,300.0	3,208.8	3,272.4	3,214.5	13.5	11.7	126.96	-42.1	479.1	400.0	376.4	23.52	17.008		
3,400.0	3,303.9	3,370.8	3,309.8	14.1	12.2	126.95	-41.2	503.5	417.7	393.1	24.55	17.014		
3,500.0	3,399.1	3,469.2	3,405.2	14.8	12.7	126.93	-40.3	527.9	435.4	409.8	25.58	17.018		
3,600.0	3,494.2	3,567.6	3,500.5	15.4	13.2	126.92	-39.4	552.3	453.1	426.5	26.62	17.021		
3,700.0	3,589.3	3,666.0	3,595.8	16.0	13.7	126.91	-38.5	576.7	470.8	443.1	27.65	17.023		
3,800.0	3,684.4	3,764.5	3,691.2	16.6	14.2	126.89	-37.6	601.1	488.5	459.8	28.69	17.024		
3,900.0	3,779.6	3,862.9	3,786.5	17.2	14.7	126.88	-36.7	625.5	506.2	476.5	29.73	17.024		
4,000.0	3,874.7	3,961.3	3,881.9	17.9	15.2	126.87	-35.8	649.8	523.9	493.1	30.78	17.023		
4,100.0	3,969.8	4,059.7	3,977.2	18.5	15.7	126.86	-34.9	674.2	541.6	509.8	31.82	17.022		
4,200.0	4,064.9	4,158.1	4,072.6	19.1	16.3	126.86	-34.0	698.6	559.3	526.4	32.86	17.020		
4,300.0	4,160.1	4,256.6	4,167.9	19.7	16.8	126.85	-33.0	723.0	577.0	543.1	33.90	17.018		
4,400.0	4,255.2	4,355.0	4,263.3	20.4	17.3	126.84	-32.1	747.4	594.7	559.8	34.95	17.016		
4,471.2	4,322.9	4,425.0	4,331.1	20.8	17.7	126.83	-31.5	764.8	607.3	571.6	35.69	17.014		
4,500.0	4,350.4	4,453.4	4,358.6	21.0	17.8	126.94	-31.2	771.8	612.3	576.3	35.99	17.012		
4,600.0	4,446.7	4,552.1	4,454.3	21.4	18.3	127.00	-30.3	796.3	627.6	590.6	36.96	16.981		
4,700.0	4,544.2	4,649.8	4,549.5	21.8	18.7	126.87	-29.5	817.9	639.9	602.1	37.74	16.953		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 42D-14-06-92 - Wellbore #1 - Design #1													Offset Well Error:	0.0 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,800.0	4,642.8	4,748.0	4,646.2	22.1	19.0	126.76	-28.9	834.7	649.3	610.9	38.37	16.922		
4,900.0	4,742.2	4,846.6	4,744.1	22.3	19.3	126.67	-28.4	846.6	655.8	616.9	38.85	16.878		
5,000.0	4,842.0	4,945.5	4,842.8	22.5	19.4	126.60	-28.2	853.4	659.3	620.1	39.19	16.822		
5,070.1	4,912.0	5,014.9	4,912.1	22.6	19.5	179.44	-28.1	855.1	660.0	620.7	39.36	16.771		
5,087.7	4,929.6	5,032.4	4,929.6	22.6	19.5	179.44	-28.1	855.1	660.0	620.6	39.39	16.755		
5,100.0	4,941.9	5,044.7	4,941.9	22.6	19.6	179.44	-28.1	855.1	660.0	620.6	39.42	16.743		
5,200.0	5,041.9	5,144.7	5,041.9	22.7	19.7	179.44	-28.1	855.1	660.0	620.4	39.66	16.644		
5,300.0	5,141.9	5,244.7	5,141.9	22.8	19.8	179.44	-28.1	855.1	660.0	620.1	39.90	16.543		
5,400.0	5,241.9	5,344.7	5,241.9	22.9	19.9	179.44	-28.1	855.1	660.0	619.9	40.14	16.442		
5,500.0	5,341.9	5,444.7	5,341.9	23.0	20.0	179.44	-28.1	855.1	660.0	619.6	40.39	16.340		
5,600.0	5,441.9	5,544.7	5,441.9	23.1	20.2	179.44	-28.1	855.1	660.0	619.4	40.65	16.238		
5,700.0	5,541.9	5,644.7	5,541.9	23.3	20.3	179.44	-28.1	855.1	660.0	619.1	40.90	16.136		
5,800.0	5,641.9	5,744.7	5,641.9	23.4	20.4	179.44	-28.1	855.1	660.0	618.9	41.16	16.034		
5,900.0	5,741.9	5,844.7	5,741.9	23.5	20.6	179.44	-28.1	855.1	660.0	618.6	41.43	15.932		
6,000.0	5,841.9	5,944.7	5,841.9	23.6	20.7	179.44	-28.1	855.1	660.0	618.3	41.69	15.831		
6,100.0	5,941.9	6,044.7	5,941.9	23.7	20.8	179.44	-28.1	855.1	660.0	618.1	41.96	15.729		
6,200.0	6,041.9	6,144.7	6,041.9	23.8	21.0	179.44	-28.1	855.1	660.0	617.8	42.24	15.628		
6,300.0	6,141.9	6,244.7	6,141.9	24.0	21.1	179.44	-28.1	855.1	660.0	617.5	42.51	15.526		
6,400.0	6,241.9	6,344.7	6,241.9	24.1	21.2	179.44	-28.1	855.1	660.0	617.3	42.79	15.425		
6,500.0	6,341.9	6,444.7	6,341.9	24.2	21.4	179.44	-28.1	855.1	660.0	617.0	43.07	15.324		
6,600.0	6,441.9	6,544.7	6,441.9	24.3	21.5	179.44	-28.1	855.1	660.0	616.7	43.36	15.224		
6,700.0	6,541.9	6,644.7	6,541.9	24.5	21.7	179.44	-28.1	855.1	660.0	616.4	43.64	15.124		
6,800.0	6,641.9	6,744.7	6,641.9	24.6	21.8	179.44	-28.1	855.1	660.0	616.1	43.93	15.024		
6,900.0	6,741.9	6,844.7	6,741.9	24.7	22.0	179.44	-28.1	855.1	660.0	615.8	44.22	14.925		
7,000.0	6,841.9	6,944.7	6,841.9	24.9	22.1	179.44	-28.1	855.1	660.0	615.5	44.52	14.826		
7,100.0	6,941.9	7,044.7	6,941.9	25.0	22.3	179.44	-28.1	855.1	660.0	615.2	44.82	14.727		
7,200.0	7,041.9	7,144.7	7,041.9	25.1	22.4	179.44	-28.1	855.1	660.0	614.9	45.12	14.629		
7,300.0	7,141.9	7,244.7	7,141.9	25.3	22.6	179.44	-28.1	855.1	660.0	614.6	45.42	14.532		
7,400.0	7,241.9	7,344.7	7,241.9	25.4	22.7	179.44	-28.1	855.1	660.0	614.3	45.72	14.435		
7,500.0	7,341.9	7,444.7	7,341.9	25.5	22.9	179.44	-28.1	855.1	660.0	614.0	46.03	14.339		
7,555.1	7,397.0	7,499.8	7,397.0	25.6	23.0	179.44	-28.1	855.1	660.0	613.8	46.20	14.286		

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 42EWI-14-06-92 - Wellbore #1 - Design #1													Offset Well Error:	0.0 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-179.77	-120.0	-0.5	120.0					
100.0	100.0	100.0	100.0	0.1	0.1	-179.77	-120.0	-0.5	120.0	119.8	0.19	643.067		
200.0	200.0	200.0	200.0	0.3	0.3	-179.77	-120.0	-0.5	120.0	119.3	0.64	188.603		
300.0	300.0	300.0	300.0	0.5	0.5	-179.77	-120.0	-0.5	120.0	118.9	1.09	110.506		
400.0	400.0	400.0	400.0	0.8	0.8	-179.77	-120.0	-0.5	120.0	118.4	1.54	78.147		
500.0	500.0	500.0	500.0	1.0	1.0	-179.77	-120.0	-0.5	120.0	118.0	1.98	60.447		
600.0	600.0	600.0	600.0	1.2	1.2	-179.77	-120.0	-0.5	120.0	117.5	2.43	49.284		
700.0	700.0	700.0	700.0	1.4	1.4	-179.77	-120.0	-0.5	120.0	117.1	2.88	41.601		
800.0	800.0	800.0	800.0	1.7	1.7	-179.77	-120.0	-0.5	120.0	116.6	3.33	35.991		
900.0	900.0	900.0	900.0	1.9	1.9	-179.77	-120.0	-0.5	120.0	116.2	3.78	31.714		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-179.77	-120.0	-0.5	120.0	115.7	4.23	28.346		
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	-179.77	-120.0	-0.5	120.0	115.4	4.57	26.254 CC		
1,100.0	1,100.0	1,100.0	1,100.0	2.3	2.3	97.32	-120.0	-0.5	120.0	115.3	4.68	25.646 ES		
1,175.0	1,174.9	1,174.4	1,174.4	2.5	2.5	98.61	-120.0	-0.4	120.4	115.5	4.99	24.126		
1,200.0	1,199.9	1,198.7	1,198.7	2.5	2.6	106.36	-120.2	-0.3	121.0	115.9	5.10	23.749		
1,300.0	1,299.3	1,296.0	1,296.0	2.8	2.7	122.80	-122.1	1.3	127.4	121.9	5.50	23.171 SF		
1,400.0	1,398.1	1,393.4	1,393.3	3.0	2.9	131.45	-125.7	4.3	140.5	134.5	5.92	23.733		
1,500.0	1,495.6	1,491.0	1,490.7	3.3	3.1	138.05	-129.6	7.6	159.3	153.0	6.35	25.092		
1,604.7	1,596.1	1,591.5	1,591.0	3.7	3.3	143.80	-133.7	11.0	185.3	178.5	6.80	27.241		
1,700.0	1,686.8	1,682.1	1,681.6	4.2	3.5	147.33	-137.3	14.1	212.4	205.1	7.27	29.233		
1,800.0	1,782.0	1,777.2	1,776.5	4.7	3.7	150.18	-141.1	17.3	241.4	233.7	7.76	31.115		
1,900.0	1,877.1	1,872.3	1,871.5	5.2	3.9	152.43	-144.9	20.5	270.9	262.6	8.26	32.799		
2,000.0	1,972.2	1,968.7	1,967.8	5.7	4.1	154.25	-148.8	23.7	300.6	291.9	8.77	34.291		
2,100.0	2,067.3	2,072.3	2,071.2	6.3	4.4	155.73	-151.7	28.7	329.0	319.7	9.30	35.375		
2,200.0	2,162.5	2,177.6	2,176.2	6.9	4.6	156.82	-152.8	35.9	355.0	345.1	9.85	36.048		
2,300.0	2,257.6	2,283.0	2,281.2	7.5	4.9	157.62	-152.0	45.3	378.6	368.2	10.41	36.372		
2,400.0	2,352.7	2,380.3	2,378.1	8.0	5.1	158.21	-150.7	54.8	401.2	390.3	10.97	36.590		
2,500.0	2,447.8	2,477.6	2,474.9	8.6	5.3	158.74	-149.3	64.3	423.9	412.4	11.53	36.774		
2,600.0	2,542.9	2,574.9	2,571.7	9.2	5.6	159.22	-147.9	73.7	446.7	434.6	12.09	36.937		
2,700.0	2,638.1	2,672.3	2,668.6	9.9	5.8	159.65	-146.6	83.2	469.4	456.8	12.66	37.081		
2,800.0	2,733.2	2,769.6	2,765.4	10.5	6.1	160.04	-145.2	92.7	492.2	479.0	13.23	37.210		
2,900.0	2,828.3	2,866.9	2,862.3	11.1	6.3	160.40	-143.8	102.2	515.0	501.2	13.80	37.325		
3,000.0	2,923.4	2,964.2	2,959.1	11.7	6.6	160.73	-142.5	111.6	537.8	523.5	14.37	37.429		
3,100.0	3,018.6	3,061.5	3,056.0	12.3	6.8	161.03	-141.1	121.1	560.7	545.7	14.94	37.523		
3,200.0	3,113.7	3,158.9	3,152.8	12.9	7.1	161.30	-139.8	130.6	583.5	568.0	15.52	37.609		
3,300.0	3,208.8	3,256.2	3,249.7	13.5	7.4	161.56	-138.4	140.1	606.4	590.3	16.09	37.687		
3,400.0	3,303.9	3,353.5	3,346.5	14.1	7.6	161.80	-137.0	149.5	629.2	612.6	16.66	37.758		
3,500.0	3,399.1	3,450.8	3,443.4	14.8	7.9	162.02	-135.7	159.0	652.1	634.9	17.24	37.823		
3,600.0	3,494.2	3,548.1	3,540.2	15.4	8.2	162.22	-134.3	168.5	675.0	657.2	17.82	37.884		
3,700.0	3,589.3	3,645.4	3,637.0	16.0	8.4	162.42	-132.9	178.0	697.9	679.5	18.39	37.939		
3,800.0	3,684.4	3,742.8	3,733.9	16.6	8.7	162.59	-131.6	187.4	720.8	701.8	18.97	37.991		
3,900.0	3,779.6	3,840.1	3,830.7	17.2	9.0	162.76	-130.2	196.9	743.7	724.2	19.55	38.039		
4,000.0	3,874.7	3,937.4	3,927.6	17.9	9.2	162.92	-128.9	206.4	766.6	746.5	20.13	38.083		
4,100.0	3,969.8	4,034.7	4,024.4	18.5	9.5	163.07	-127.5	215.9	789.5	768.8	20.71	38.125		
4,200.0	4,064.9	4,132.0	4,121.3	19.1	9.8	163.21	-126.1	225.3	812.5	791.2	21.29	38.164		
4,300.0	4,160.1	4,229.3	4,218.1	19.7	10.0	163.35	-124.8	234.8	835.4	813.5	21.87	38.200		
4,400.0	4,255.2	4,326.7	4,315.0	20.4	10.3	163.47	-123.4	244.3	858.3	835.9	22.45	38.234		
4,471.2	4,322.9	4,395.9	4,383.9	20.8	10.5	163.56	-122.4	251.0	874.7	851.8	22.86	38.257		
4,500.0	4,350.4	4,424.0	4,411.9	21.0	10.6	163.64	-122.0	253.8	881.1	858.0	23.05	38.220		
4,600.0	4,446.7	4,522.2	4,509.5	21.4	10.9	163.85	-120.7	263.3	900.1	876.5	23.65	38.055		
4,700.0	4,544.2	4,621.2	4,608.0	21.8	11.1	163.91	-119.3	273.0	914.2	890.0	24.21	37.768		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Valley Farms G - Valley Farms G 42EWI-14-06-92 - Wellbore #1 - Design #1		Offset Site Error:		0.0 usft
Survey Program: 0-MWD													Offset Well Error:		0.0 usft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
4,800.0	4,642.8	4,720.7	4,707.1	22.1	11.4	163.84	-117.9	282.6	923.3	898.6	24.71	37.371					
4,900.0	4,742.2	4,800.0	4,786.0	22.3	11.6	163.71	-116.8	290.2	927.8	902.7	25.08	36.986					
5,000.0	4,842.0	4,884.2	4,870.0	22.5	11.8	163.58	-116.0	295.7	929.3	904.0	25.34	36.669					
5,070.1	4,912.0	4,936.4	4,922.2	22.6	11.9	-143.59	-115.8	297.2	929.1	903.7	25.46	36.496					
5,100.0	4,941.9	4,966.2	4,952.0	22.6	12.0	-143.60	-115.8	297.4	929.0	903.4	25.56	36.348					
5,137.1	4,979.0	4,993.2	4,979.0	22.6	12.0	-143.60	-115.8	297.4	928.9	903.2	25.67	36.189					
5,200.0	5,041.9	5,056.1	5,041.9	22.7	12.1	-143.60	-115.8	297.4	928.9	903.0	25.89	35.875					
5,300.0	5,141.9	5,156.1	5,141.9	22.8	12.3	-143.60	-115.8	297.4	928.9	902.7	26.25	35.382					
5,400.0	5,241.9	5,256.1	5,241.9	22.9	12.5	-143.60	-115.8	297.4	928.9	902.3	26.62	34.899					
5,500.0	5,341.9	5,356.1	5,341.9	23.0	12.7	-143.60	-115.8	297.4	928.9	901.9	26.98	34.426					
5,600.0	5,441.9	5,456.1	5,441.9	23.1	12.9	-143.60	-115.8	297.4	928.9	901.6	27.35	33.963					
5,700.0	5,541.9	5,556.1	5,541.9	23.3	13.1	-143.60	-115.8	297.4	928.9	901.2	27.72	33.509					
5,800.0	5,641.9	5,656.1	5,641.9	23.4	13.3	-143.60	-115.8	297.4	928.9	900.8	28.09	33.064					
5,900.0	5,741.9	5,756.1	5,741.9	23.5	13.5	-143.60	-115.8	297.4	928.9	900.4	28.47	32.629					
6,000.0	5,841.9	5,856.1	5,841.9	23.6	13.7	-143.60	-115.8	297.4	928.9	900.1	28.85	32.203					
6,100.0	5,941.9	5,956.1	5,941.9	23.7	13.9	-143.60	-115.8	297.4	928.9	899.7	29.22	31.785					
6,200.0	6,041.9	6,056.1	6,041.9	23.8	14.1	-143.60	-115.8	297.4	928.9	899.3	29.61	31.376					
6,300.0	6,141.9	6,156.1	6,141.9	24.0	14.3	-143.60	-115.8	297.4	928.9	898.9	29.99	30.976					
6,400.0	6,241.9	6,256.1	6,241.9	24.1	14.5	-143.60	-115.8	297.4	928.9	898.5	30.37	30.584					
6,500.0	6,341.9	6,356.1	6,341.9	24.2	14.7	-143.60	-115.8	297.4	928.9	898.2	30.76	30.200					
6,600.0	6,441.9	6,456.1	6,441.9	24.3	14.9	-143.60	-115.8	297.4	928.9	897.8	31.15	29.824					
6,700.0	6,541.9	6,556.1	6,541.9	24.5	15.1	-143.60	-115.8	297.4	928.9	897.4	31.54	29.455					
6,800.0	6,641.9	6,656.1	6,641.9	24.6	15.3	-143.60	-115.8	297.4	928.9	897.0	31.93	29.095					
6,900.0	6,741.9	6,756.1	6,741.9	24.7	15.5	-143.60	-115.8	297.4	928.9	896.6	32.32	28.741					
7,000.0	6,841.9	6,856.1	6,841.9	24.9	15.7	-143.60	-115.8	297.4	928.9	896.2	32.71	28.395					
7,100.0	6,941.9	6,956.1	6,941.9	25.0	15.9	-143.60	-115.8	297.4	928.9	895.8	33.11	28.056					
7,200.0	7,041.9	7,056.1	7,041.9	25.1	16.1	-143.60	-115.8	297.4	928.9	895.4	33.51	27.724					
7,300.0	7,141.9	7,156.1	7,141.9	25.3	16.3	-143.60	-115.8	297.4	928.9	895.0	33.90	27.399					
7,400.0	7,241.9	7,256.1	7,241.9	25.4	16.5	-143.60	-115.8	297.4	928.9	894.6	34.30	27.080					
7,500.0	7,341.9	7,356.1	7,341.9	25.5	16.7	-143.60	-115.8	297.4	928.9	894.2	34.70	26.767					
7,555.1	7,397.0	7,411.2	7,397.0	25.6	16.8	-143.60	-115.8	297.4	928.9	894.0	34.92	26.598					

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 43A-14-06-92 - Wellbore #1 - Design #1													Offset Well Error:	0.0 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-179.77	-90.0	-0.4	90.0					
100.0	100.0	100.0	100.0	0.1	0.1	-179.77	-90.0	-0.4	90.0	89.8	0.19	482.300		
200.0	200.0	200.0	200.0	0.3	0.3	-179.77	-90.0	-0.4	90.0	89.3	0.64	141.452		
300.0	300.0	300.0	300.0	0.5	0.5	-179.77	-90.0	-0.4	90.0	88.9	1.09	82.880		
400.0	400.0	400.0	400.0	0.8	0.8	-179.77	-90.0	-0.4	90.0	88.4	1.54	58.611		
500.0	500.0	500.0	500.0	1.0	1.0	-179.77	-90.0	-0.4	90.0	88.0	1.98	45.335		
600.0	600.0	600.0	600.0	1.2	1.2	-179.77	-90.0	-0.4	90.0	87.5	2.43	36.963		
700.0	700.0	700.0	700.0	1.4	1.4	-179.77	-90.0	-0.4	90.0	87.1	2.88	31.201		
800.0	800.0	800.0	800.0	1.7	1.7	-179.77	-90.0	-0.4	90.0	86.6	3.33	26.993		
900.0	900.0	900.0	900.0	1.9	1.9	-179.77	-90.0	-0.4	90.0	86.2	3.78	23.785		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-179.77	-90.0	-0.4	90.0	85.7	4.23	21.259		
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	-179.77	-90.0	-0.4	90.0	85.4	4.57	19.691 CC		
1,100.0	1,100.0	1,100.0	1,100.0	2.3	2.3	97.35	-90.0	-0.4	90.0	85.3	4.68	19.236 ES		
1,175.0	1,174.9	1,175.0	1,175.0	2.5	2.5	98.20	-90.0	1.1	90.4	85.4	4.99	18.106		
1,200.0	1,199.9	1,200.0	1,200.0	2.5	2.6	105.58	-90.0	2.3	90.7	85.6	5.10	17.791		
1,300.0	1,299.3	1,298.3	1,298.0	2.8	2.8	119.72	-90.9	9.7	95.6	90.1	5.53	17.300 SF		
1,400.0	1,398.1	1,396.0	1,394.9	3.0	3.0	125.08	-93.7	21.8	106.6	100.6	5.99	17.795		
1,500.0	1,495.6	1,492.7	1,490.0	3.3	3.2	127.46	-98.2	38.3	123.5	117.0	6.52	18.960		
1,604.7	1,596.1	1,592.3	1,587.0	3.7	3.6	128.47	-104.8	59.9	147.6	140.4	7.16	20.602		
1,700.0	1,686.8	1,683.8	1,675.4	4.2	3.9	128.10	-112.0	82.7	172.6	164.7	7.88	21.912		
1,800.0	1,782.0	1,780.3	1,768.5	4.7	4.3	127.79	-119.6	106.8	198.9	190.2	8.68	22.899		
1,900.0	1,877.1	1,876.8	1,861.6	5.2	4.8	127.54	-127.2	130.9	225.2	215.6	9.54	23.602		
2,000.0	1,972.2	1,973.3	1,954.7	5.7	5.2	127.35	-134.8	155.0	251.4	241.0	10.43	24.106		
2,100.0	2,067.3	2,069.7	2,047.8	6.3	5.7	127.20	-142.4	179.1	277.7	266.4	11.35	24.473		
2,200.0	2,162.5	2,166.2	2,140.9	6.9	6.2	127.07	-150.0	203.1	304.0	291.7	12.29	24.739		
2,300.0	2,257.6	2,262.7	2,234.0	7.5	6.7	126.96	-157.6	227.2	330.3	317.1	13.25	24.939		
2,400.0	2,352.7	2,359.2	2,327.2	8.0	7.2	126.87	-165.2	251.3	356.6	342.4	14.22	25.088		
2,500.0	2,447.8	2,455.7	2,420.3	8.6	7.7	126.79	-172.9	275.4	382.9	367.7	15.20	25.200		
2,600.0	2,542.9	2,552.1	2,513.4	9.2	8.2	126.72	-180.5	299.5	409.2	393.1	16.19	25.284		
2,700.0	2,638.1	2,648.6	2,606.5	9.9	8.7	126.66	-188.1	323.6	435.5	418.4	17.18	25.347		
2,800.0	2,733.2	2,745.1	2,699.6	10.5	9.2	126.61	-195.7	347.7	461.8	443.7	18.19	25.395		
2,900.0	2,828.3	2,841.6	2,792.7	11.1	9.7	126.56	-203.3	371.8	488.1	468.9	19.19	25.431		
3,000.0	2,923.4	2,938.1	2,885.8	11.7	10.2	126.51	-210.9	395.9	514.4	494.2	20.21	25.458		
3,100.0	3,018.6	3,034.5	2,978.9	12.3	10.8	126.47	-218.5	420.0	540.7	519.5	21.22	25.478		
3,200.0	3,113.7	3,131.0	3,072.0	12.9	11.3	126.44	-226.1	444.1	567.0	544.8	22.24	25.492		
3,300.0	3,208.8	3,227.5	3,165.2	13.5	11.8	126.41	-233.7	468.2	593.3	570.1	23.27	25.502		
3,400.0	3,303.9	3,324.0	3,258.3	14.1	12.3	126.38	-241.4	492.3	619.7	595.4	24.29	25.509		
3,500.0	3,399.1	3,420.4	3,351.4	14.8	12.9	126.35	-249.0	516.3	646.0	620.6	25.32	25.512		
3,600.0	3,494.2	3,516.9	3,444.5	15.4	13.4	126.33	-256.6	540.4	672.3	645.9	26.35	25.514		
3,700.0	3,589.3	3,613.4	3,537.6	16.0	13.9	126.30	-264.2	564.5	698.6	671.2	27.38	25.514		
3,800.0	3,684.4	3,709.9	3,630.7	16.6	14.5	126.28	-271.8	588.6	724.9	696.5	28.41	25.512		
3,900.0	3,779.6	3,806.4	3,723.8	17.2	15.0	126.26	-279.4	612.7	751.2	721.7	29.45	25.510		
4,000.0	3,874.7	3,902.8	3,816.9	17.9	15.5	126.24	-287.0	636.8	777.5	747.0	30.48	25.506		
4,100.0	3,969.8	3,999.3	3,910.1	18.5	16.1	126.23	-294.6	660.9	803.8	772.3	31.52	25.502		
4,200.0	4,064.9	4,095.8	4,003.2	19.1	16.6	126.21	-302.2	685.0	830.1	797.5	32.56	25.497		
4,300.0	4,160.1	4,192.3	4,096.3	19.7	17.1	126.19	-309.9	709.1	856.4	822.8	33.59	25.492		
4,400.0	4,255.2	4,288.8	4,189.4	20.4	17.7	126.18	-317.5	733.2	882.7	848.1	34.63	25.487		
4,471.2	4,322.9	4,357.4	4,255.7	20.8	18.1	126.17	-322.9	750.3	901.4	866.0	35.37	25.482		
4,500.0	4,350.4	4,385.3	4,282.5	21.0	18.2	126.34	-325.1	757.3	908.9	873.2	35.68	25.472		
4,600.0	4,446.7	4,482.3	4,376.2	21.4	18.7	126.71	-332.7	781.5	932.8	896.1	36.66	25.444		
4,700.0	4,544.2	4,586.7	4,477.0	21.8	19.3	126.75	-340.8	807.0	953.6	916.0	37.59	25.365		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 43A-14-06-92 - Wellbore #1 - Design #1													Offset Well Error:	0.0 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,800.0	4,642.8	4,702.6	4,590.4	22.1	19.7	126.68	-348.1	830.1	969.9	931.5	38.35	25.291		
4,900.0	4,742.2	4,820.1	4,706.6	22.3	20.0	126.61	-353.3	846.7	981.3	942.4	38.93	25.209		
5,000.0	4,842.0	4,938.7	4,824.7	22.5	20.3	126.54	-356.5	856.6	987.8	948.4	39.34	25.109		
5,070.1	4,912.0	5,022.2	4,908.2	22.6	20.4	179.38	-357.3	859.3	989.3	949.7	39.53	25.023		
5,100.0	4,941.9	5,056.0	4,941.9	22.6	20.4	179.37	-357.4	859.5	989.3	949.7	39.60	24.980		
5,200.0	5,041.9	5,156.0	5,041.9	22.7	20.5	179.37	-357.4	859.5	989.3	949.5	39.84	24.834		
5,300.0	5,141.9	5,256.0	5,141.9	22.8	20.6	179.37	-357.4	859.5	989.3	949.2	40.08	24.686		
5,400.0	5,241.9	5,356.0	5,241.9	22.9	20.8	179.37	-357.4	859.5	989.3	949.0	40.32	24.538		
5,500.0	5,341.9	5,456.0	5,341.9	23.0	20.9	179.37	-357.4	859.5	989.3	948.7	40.56	24.390		
5,600.0	5,441.9	5,556.0	5,441.9	23.1	21.0	179.37	-357.4	859.5	989.3	948.5	40.81	24.241		
5,700.0	5,541.9	5,656.0	5,541.9	23.3	21.1	179.37	-357.4	859.5	989.3	948.2	41.06	24.092		
5,800.0	5,641.9	5,756.0	5,641.9	23.4	21.2	179.37	-357.4	859.5	989.3	948.0	41.32	23.943		
5,900.0	5,741.9	5,856.0	5,741.9	23.5	21.4	179.37	-357.4	859.5	989.3	947.7	41.58	23.794		
6,000.0	5,841.9	5,956.0	5,841.9	23.6	21.5	179.37	-357.4	859.5	989.3	947.5	41.84	23.645		
6,100.0	5,941.9	6,056.0	5,941.9	23.7	21.6	179.37	-357.4	859.5	989.3	947.2	42.11	23.496		
6,200.0	6,041.9	6,156.0	6,041.9	23.8	21.7	179.37	-357.4	859.5	989.3	946.9	42.37	23.347		
6,300.0	6,141.9	6,256.0	6,141.9	24.0	21.9	179.37	-357.4	859.5	989.3	946.7	42.65	23.198		
6,400.0	6,241.9	6,356.0	6,241.9	24.1	22.0	179.37	-357.4	859.5	989.3	946.4	42.92	23.050		
6,500.0	6,341.9	6,456.0	6,341.9	24.2	22.1	179.37	-357.4	859.5	989.3	946.1	43.20	22.902		
6,600.0	6,441.9	6,556.0	6,441.9	24.3	22.3	179.37	-357.4	859.5	989.3	945.8	43.48	22.754		
6,700.0	6,541.9	6,656.0	6,541.9	24.5	22.4	179.37	-357.4	859.5	989.3	945.5	43.76	22.607		
6,800.0	6,641.9	6,756.0	6,641.9	24.6	22.5	179.37	-357.4	859.5	989.3	945.3	44.05	22.460		
6,900.0	6,741.9	6,856.0	6,741.9	24.7	22.7	179.37	-357.4	859.5	989.3	945.0	44.34	22.314		
7,000.0	6,841.9	6,956.0	6,841.9	24.9	22.8	179.37	-357.4	859.5	989.3	944.7	44.63	22.168		
7,100.0	6,941.9	7,056.0	6,941.9	25.0	23.0	179.37	-357.4	859.5	989.3	944.4	44.92	22.023		
7,200.0	7,041.9	7,156.0	7,041.9	25.1	23.1	179.37	-357.4	859.5	989.3	944.1	45.22	21.879		
7,300.0	7,141.9	7,256.0	7,141.9	25.3	23.3	179.37	-357.4	859.5	989.3	943.8	45.52	21.735		
7,400.0	7,241.9	7,356.0	7,241.9	25.4	23.4	179.37	-357.4	859.5	989.3	943.5	45.82	21.592		
7,500.0	7,341.9	7,456.0	7,341.9	25.5	23.5	179.37	-357.4	859.5	989.3	943.2	46.12	21.450		
7,555.1	7,397.0	7,511.0	7,397.0	25.6	23.6	179.37	-357.4	859.5	989.3	943.0	46.29	21.372		

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 43B-14-06-92 - Wellbore #1 - Design #1													Offset Well Error:	0.0 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-179.77	-110.0	-0.4	110.0					
100.0	100.0	100.0	100.0	0.1	0.1	-179.77	-110.0	-0.4	110.0	109.8	0.19	589.478		
200.0	200.0	200.0	200.0	0.3	0.3	-179.77	-110.0	-0.4	110.0	109.3	0.64	172.886		
300.0	300.0	300.0	300.0	0.5	0.5	-179.77	-110.0	-0.4	110.0	108.9	1.09	101.298		
400.0	400.0	400.0	400.0	0.8	0.8	-179.77	-110.0	-0.4	110.0	108.4	1.54	71.635		
500.0	500.0	500.0	500.0	1.0	1.0	-179.77	-110.0	-0.4	110.0	108.0	1.98	55.410		
600.0	600.0	600.0	600.0	1.2	1.2	-179.77	-110.0	-0.4	110.0	107.5	2.43	45.177		
700.0	700.0	700.0	700.0	1.4	1.4	-179.77	-110.0	-0.4	110.0	107.1	2.88	38.135		
800.0	800.0	800.0	800.0	1.7	1.7	-179.77	-110.0	-0.4	110.0	106.6	3.33	32.992		
900.0	900.0	900.0	900.0	1.9	1.9	-179.77	-110.0	-0.4	110.0	106.2	3.78	29.071		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-179.77	-110.0	-0.4	110.0	105.7	4.23	25.983		
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	-179.77	-110.0	-0.4	110.0	105.4	4.57	24.066 CC		
1,100.0	1,100.0	1,100.0	1,100.0	2.3	2.3	97.33	-110.0	-0.4	110.0	105.3	4.68	23.509 ES		
1,175.0	1,174.9	1,174.8	1,174.8	2.5	2.5	98.39	-110.0	0.3	110.4	105.4	4.99	22.117		
1,200.0	1,199.9	1,199.7	1,199.7	2.5	2.6	105.81	-110.1	1.3	110.8	105.7	5.10	21.735		
1,300.0	1,299.3	1,299.4	1,299.0	2.8	2.8	119.82	-110.6	8.8	115.3	109.8	5.53	20.849		
1,400.0	1,398.1	1,398.8	1,397.5	3.0	3.0	124.62	-111.6	22.3	124.4	118.4	6.00	20.713 SF		
1,500.0	1,495.6	1,492.6	1,489.7	3.3	3.2	126.50	-114.0	39.8	139.2	132.7	6.53	21.327		
1,604.7	1,596.1	1,586.4	1,581.1	3.7	3.5	127.86	-121.2	59.4	164.4	157.2	7.14	23.006		
1,700.0	1,686.8	1,669.1	1,660.8	4.2	3.8	128.06	-131.5	78.4	193.8	186.0	7.81	24.821		
1,800.0	1,782.0	1,756.6	1,744.4	4.7	4.2	127.71	-146.3	100.0	228.7	220.1	8.57	26.668		
1,900.0	1,877.1	1,850.0	1,833.2	5.2	4.6	127.34	-163.0	123.5	264.4	255.0	9.40	28.123		
2,000.0	1,972.2	1,943.4	1,922.0	5.7	5.1	127.05	-179.6	146.9	300.3	290.0	10.27	29.235		
2,100.0	2,067.3	2,036.7	2,010.9	6.3	5.6	126.83	-196.2	170.4	336.1	324.9	11.17	30.095		
2,200.0	2,162.5	2,130.1	2,099.7	6.9	6.2	126.64	-212.9	193.9	371.9	359.8	12.09	30.759		
2,300.0	2,257.6	2,223.4	2,188.5	7.5	6.7	126.49	-229.5	217.3	407.7	394.7	13.03	31.296		
2,400.0	2,352.7	2,316.8	2,277.3	8.0	7.2	126.37	-246.2	240.8	443.5	429.5	13.98	31.725		
2,500.0	2,447.8	2,410.2	2,366.2	8.6	7.8	126.26	-262.8	264.2	479.3	464.4	14.94	32.073		
2,600.0	2,542.9	2,503.5	2,455.0	9.2	8.4	126.17	-279.4	287.7	515.1	499.2	15.92	32.360		
2,700.0	2,638.1	2,596.9	2,543.8	9.9	9.0	126.09	-296.1	311.1	551.0	534.1	16.90	32.597		
2,800.0	2,733.2	2,690.3	2,632.6	10.5	9.5	126.02	-312.7	334.6	586.8	568.9	17.89	32.796		
2,900.0	2,828.3	2,783.6	2,721.4	11.1	10.1	125.95	-329.4	358.1	622.6	603.7	18.89	32.965		
3,000.0	2,923.4	2,877.0	2,810.3	11.7	10.7	125.90	-346.0	381.5	658.4	638.5	19.89	33.109		
3,100.0	3,018.6	2,970.3	2,899.1	12.3	11.3	125.85	-362.6	405.0	694.2	673.4	20.89	33.232		
3,200.0	3,113.7	3,063.7	2,987.9	12.9	11.9	125.80	-379.3	428.4	730.1	708.2	21.90	33.339		
3,300.0	3,208.8	3,157.1	3,076.7	13.5	12.5	125.76	-395.9	451.9	765.9	743.0	22.91	33.432		
3,400.0	3,303.9	3,250.4	3,165.6	14.1	13.1	125.73	-412.5	475.3	801.7	777.8	23.92	33.513		
3,500.0	3,399.1	3,343.8	3,254.4	14.8	13.7	125.69	-429.2	498.8	837.5	812.6	24.94	33.584		
3,600.0	3,494.2	3,437.1	3,343.2	15.4	14.3	125.66	-445.8	522.2	873.4	847.4	25.96	33.648		
3,700.0	3,589.3	3,530.5	3,432.0	16.0	14.9	125.63	-462.5	545.7	909.2	882.2	26.98	33.704		
3,800.0	3,684.4	3,623.9	3,520.8	16.6	15.5	125.61	-479.1	569.2	945.0	917.0	28.00	33.754		
3,900.0	3,779.6	3,717.2	3,609.7	17.2	16.1	125.58	-495.7	592.6	980.8	951.8	29.02	33.798		
4,000.0	3,874.7	3,810.6	3,698.5	17.9	16.7	125.56	-512.4	616.1	1,016.7	986.6	30.04	33.838		
4,100.0	3,969.8	3,904.0	3,787.3	18.5	17.3	125.54	-529.0	639.5	1,052.5	1,021.4	31.07	33.874		
4,200.0	4,064.9	3,997.3	3,876.1	19.1	17.9	125.52	-545.7	663.0	1,088.3	1,056.2	32.10	33.907		
4,300.0	4,160.1	4,090.7	3,965.0	19.7	18.5	125.50	-562.3	686.4	1,124.1	1,091.0	33.12	33.937		
4,400.0	4,255.2	4,184.0	4,053.8	20.4	19.1	125.48	-578.9	709.9	1,160.0	1,125.8	34.15	33.964		
4,471.2	4,322.9	4,250.5	4,117.0	20.8	19.5	125.47	-590.8	726.6	1,185.5	1,150.6	34.89	33.981		
4,500.0	4,350.4	4,277.4	4,142.6	21.0	19.7	125.72	-595.6	733.4	1,195.7	1,160.5	35.21	33.957		
4,600.0	4,446.7	4,371.6	4,232.2	21.4	20.3	126.41	-612.4	757.0	1,229.2	1,193.0	36.24	33.918		
4,700.0	4,544.2	4,466.4	4,322.4	21.8	20.9	126.81	-629.3	780.8	1,259.9	1,222.7	37.20	33.864		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 43B-14-06-92 - Wellbore #1 - Design #1													Offset Well Error:	0.0 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,800.0	4,642.8	4,604.4	4,454.6	22.1	21.6	126.79	-652.1	813.1	1,286.5	1,248.3	38.17	33.701		
4,900.0	4,742.2	4,765.8	4,612.3	22.3	22.2	126.67	-671.9	841.0	1,305.7	1,266.7	38.98	33.496		
5,000.0	4,842.0	4,931.7	4,776.7	22.5	22.6	126.55	-684.1	858.2	1,316.9	1,277.4	39.57	33.285		
5,070.1	4,912.0	5,049.3	4,894.2	22.6	22.8	179.36	-687.8	863.4	1,319.9	1,280.1	39.83	33.137		
5,100.0	4,941.9	5,097.1	4,941.9	22.6	22.8	179.34	-688.1	863.8	1,320.1	1,280.1	39.92	33.066		
5,200.0	5,041.9	5,197.1	5,041.9	22.7	22.9	179.34	-688.1	863.8	1,320.1	1,279.9	40.15	32.877		
5,300.0	5,141.9	5,297.1	5,141.9	22.8	23.0	179.34	-688.1	863.8	1,320.1	1,279.7	40.38	32.687		
5,400.0	5,241.9	5,397.1	5,241.9	22.9	23.1	179.34	-688.1	863.8	1,320.1	1,279.4	40.62	32.497		
5,500.0	5,341.9	5,497.1	5,341.9	23.0	23.2	179.34	-688.1	863.8	1,320.1	1,279.2	40.86	32.306		
5,600.0	5,441.9	5,597.1	5,441.9	23.1	23.3	179.34	-688.1	863.8	1,320.1	1,279.0	41.11	32.114		
5,700.0	5,541.9	5,697.1	5,541.9	23.3	23.4	179.34	-688.1	863.8	1,320.1	1,278.7	41.35	31.922		
5,800.0	5,641.9	5,797.1	5,641.9	23.4	23.6	179.34	-688.1	863.8	1,320.1	1,278.5	41.60	31.730		
5,900.0	5,741.9	5,897.1	5,741.9	23.5	23.7	179.34	-688.1	863.8	1,320.1	1,278.2	41.86	31.538		
6,000.0	5,841.9	5,997.1	5,841.9	23.6	23.8	179.34	-688.1	863.8	1,320.1	1,278.0	42.11	31.345		
6,100.0	5,941.9	6,097.1	5,941.9	23.7	23.9	179.34	-688.1	863.8	1,320.1	1,277.7	42.37	31.152		
6,200.0	6,041.9	6,197.1	6,041.9	23.8	24.0	179.34	-688.1	863.8	1,320.1	1,277.4	42.64	30.960		
6,300.0	6,141.9	6,297.1	6,141.9	24.0	24.1	179.34	-688.1	863.8	1,320.1	1,277.2	42.90	30.767		
6,400.0	6,241.9	6,397.1	6,241.9	24.1	24.2	179.34	-688.1	863.8	1,320.1	1,276.9	43.17	30.575		
6,500.0	6,341.9	6,497.1	6,341.9	24.2	24.3	179.34	-688.1	863.8	1,320.1	1,276.6	43.45	30.384		
6,600.0	6,441.9	6,597.1	6,441.9	24.3	24.5	179.34	-688.1	863.8	1,320.1	1,276.3	43.72	30.192		
6,700.0	6,541.9	6,697.1	6,541.9	24.5	24.6	179.34	-688.1	863.8	1,320.1	1,276.1	44.00	30.001		
6,800.0	6,641.9	6,797.1	6,641.9	24.6	24.7	179.34	-688.1	863.8	1,320.1	1,275.8	44.28	29.811		
6,900.0	6,741.9	6,897.1	6,741.9	24.7	24.8	179.34	-688.1	863.8	1,320.1	1,275.5	44.57	29.621		
7,000.0	6,841.9	6,997.1	6,841.9	24.9	25.0	179.34	-688.1	863.8	1,320.1	1,275.2	44.85	29.431		
7,100.0	6,941.9	7,097.1	6,941.9	25.0	25.1	179.34	-688.1	863.8	1,320.1	1,274.9	45.14	29.243		
7,200.0	7,041.9	7,197.1	7,041.9	25.1	25.2	179.34	-688.1	863.8	1,320.1	1,274.6	45.43	29.055		
7,300.0	7,141.9	7,297.1	7,141.9	25.3	25.3	179.34	-688.1	863.8	1,320.1	1,274.3	45.73	28.868		
7,400.0	7,241.9	7,397.1	7,241.9	25.4	25.5	179.34	-688.1	863.8	1,320.1	1,274.0	46.03	28.681		
7,500.0	7,341.9	7,497.1	7,341.9	25.5	25.6	179.34	-688.1	863.8	1,320.1	1,273.7	46.32	28.496		
7,555.1	7,397.0	7,552.1	7,397.0	25.6	25.7	179.34	-688.1	863.8	1,320.1	1,273.6	46.49	28.394		

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 43C-14-06-92 - Wellbore #1 - Design #1													Offset Well Error:	0.0 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-41.76	25.1	-22.4	33.6					
100.0	100.0	100.0	100.0	0.1	0.1	-41.76	25.1	-22.4	33.6	33.4	0.19	180.242		
200.0	200.0	200.0	200.0	0.3	0.3	-41.76	25.1	-22.4	33.6	33.0	0.64	52.862		
300.0	300.0	300.0	300.0	0.5	0.5	-41.76	25.1	-22.4	33.6	32.5	1.09	30.973		
400.0	400.0	400.0	400.0	0.8	0.8	-41.76	25.1	-22.4	33.6	32.1	1.54	21.903		
500.0	500.0	500.0	500.0	1.0	1.0	-41.76	25.1	-22.4	33.6	31.6	1.98	16.942		
600.0	600.0	600.0	600.0	1.2	1.2	-41.76	25.1	-22.4	33.6	31.2	2.43	13.814		
700.0	700.0	700.0	700.0	1.4	1.4	-41.76	25.1	-22.4	33.6	30.7	2.88	11.660		
800.0	800.0	800.0	800.0	1.7	1.7	-41.76	25.1	-22.4	33.6	30.3	3.33	10.088		
900.0	900.0	900.0	900.0	1.9	1.9	-41.76	25.1	-22.4	33.6	29.8	3.78	8.889		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-41.76	25.1	-22.4	33.6	29.4	4.23	7.945 CC		
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	-41.76	25.1	-22.4	33.6	29.1	4.57	7.359		
1,100.0	1,100.0	1,100.2	1,100.2	2.3	2.3	-125.03	25.0	-22.3	33.7	29.0	4.67	7.202 ES		
1,175.0	1,174.9	1,175.8	1,175.8	2.5	2.5	-129.06	24.1	-21.5	34.1	29.2	4.96	6.890		
1,200.0	1,199.9	1,200.8	1,200.8	2.5	2.5	-124.37	23.6	-21.1	34.5	29.4	5.05	6.826 SF		
1,300.0	1,299.3	1,300.3	1,300.3	2.8	2.7	-125.58	21.6	-19.4	37.6	32.1	5.45	6.890		
1,400.0	1,398.1	1,399.2	1,399.1	3.0	2.9	-138.53	19.5	-17.7	46.0	40.2	5.84	7.880		
1,500.0	1,495.6	1,497.8	1,497.5	3.3	3.1	-153.52	14.8	-15.2	61.9	55.7	6.21	9.971		
1,604.7	1,596.1	1,601.5	1,600.8	3.7	3.3	-166.09	8.4	-7.9	84.4	77.8	6.59	12.812		
1,700.0	1,686.8	1,692.6	1,691.4	4.2	3.5	-174.40	2.7	0.1	109.0	102.0	7.02	15.525		
1,800.0	1,782.0	1,788.2	1,786.4	4.7	3.8	-179.83	-3.3	8.4	136.3	128.8	7.51	18.151		
1,900.0	1,877.1	1,883.7	1,881.3	5.2	4.0	176.55	-9.4	16.8	164.4	156.4	8.02	20.488		
2,000.0	1,972.2	1,979.2	1,976.3	5.7	4.3	173.99	-15.4	25.2	192.9	184.3	8.56	22.543		
2,100.0	2,067.3	2,072.8	2,068.9	6.3	4.5	171.34	-23.7	35.1	222.1	213.0	9.13	24.332		
2,200.0	2,162.5	2,164.6	2,159.0	6.9	4.8	168.13	-35.9	47.8	252.7	243.0	9.77	25.873		
2,300.0	2,257.6	2,254.1	2,245.8	7.5	5.2	164.63	-51.7	63.1	285.3	274.9	10.49	27.203		
2,400.0	2,352.7	2,340.9	2,328.7	8.0	5.5	161.05	-70.8	80.6	320.4	309.1	11.30	28.369		
2,500.0	2,447.8	2,424.7	2,407.2	8.6	6.0	157.54	-92.5	99.8	358.3	346.2	12.18	29.431		
2,600.0	2,542.9	2,505.2	2,481.2	9.2	6.5	154.18	-116.4	120.5	399.4	386.3	13.12	30.447		
2,700.0	2,638.1	2,582.2	2,550.5	9.9	7.0	151.03	-142.0	142.2	443.7	429.6	14.12	31.432		
2,800.0	2,733.2	2,655.6	2,615.0	10.5	7.6	148.11	-168.8	164.7	491.3	476.1	15.14	32.451		
2,900.0	2,828.3	2,736.0	2,684.5	11.1	8.3	145.17	-200.0	190.6	541.5	525.2	16.26	33.308		
3,000.0	2,923.4	2,818.8	2,756.0	11.7	9.1	142.61	-232.2	217.2	592.8	575.4	17.39	34.098		
3,100.0	3,018.6	2,901.7	2,827.6	12.3	9.9	140.43	-264.4	243.9	644.9	626.4	18.50	34.851		
3,200.0	3,113.7	2,984.5	2,899.1	12.9	10.7	138.57	-296.5	270.5	697.6	678.0	19.62	35.560		
3,300.0	3,208.8	3,067.3	2,970.6	13.5	11.5	136.95	-328.7	297.2	750.8	730.1	20.72	36.231		
3,400.0	3,303.9	3,150.1	3,042.1	14.1	12.3	135.55	-360.9	323.9	804.4	782.5	21.82	36.864		
3,500.0	3,399.1	3,233.0	3,113.6	14.8	13.1	134.31	-393.0	350.5	858.2	835.3	22.91	37.461		
3,600.0	3,494.2	3,315.8	3,185.1	15.4	14.0	133.22	-425.2	377.2	912.4	888.4	24.00	38.022		
3,700.0	3,589.3	3,398.6	3,256.7	16.0	14.8	132.24	-457.4	403.9	966.8	941.7	25.08	38.550		
3,800.0	3,684.4	3,481.4	3,328.2	16.6	15.7	131.37	-489.5	430.5	1,021.3	995.1	26.16	39.045		
3,900.0	3,779.6	3,564.3	3,399.7	17.2	16.5	130.58	-521.7	457.2	1,076.0	1,048.8	27.23	39.511		
4,000.0	3,874.7	3,647.1	3,471.2	17.9	17.4	129.87	-553.9	483.8	1,130.8	1,102.5	28.31	39.951		
4,100.0	3,969.8	3,729.9	3,542.7	18.5	18.2	129.23	-586.0	510.5	1,185.8	1,156.4	29.38	40.365		
4,200.0	4,064.9	3,812.7	3,614.2	19.1	19.1	128.64	-618.2	537.2	1,240.8	1,210.4	30.44	40.756		
4,300.0	4,160.1	3,895.6	3,685.8	19.7	19.9	128.09	-650.4	563.8	1,295.9	1,264.4	31.51	41.125		
4,400.0	4,255.2	3,978.4	3,757.3	20.4	20.8	127.60	-682.5	590.5	1,351.1	1,318.5	32.58	41.473		
4,471.2	4,322.9	4,037.4	3,808.2	20.8	21.4	127.27	-705.4	609.5	1,390.5	1,357.1	33.34	41.710		
4,500.0	4,350.4	4,061.3	3,828.8	21.0	21.7	127.58	-714.7	617.2	1,406.3	1,372.6	33.71	41.716		
4,600.0	4,446.7	4,145.0	3,901.2	21.4	22.6	128.49	-747.2	644.1	1,459.5	1,424.6	34.92	41.801		
4,700.0	4,544.2	4,229.8	3,974.3	21.8	23.5	129.16	-780.1	671.4	1,510.1	1,474.0	36.05	41.882		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 43C-14-06-92 - Wellbore #1 - Design #1													Offset Well Error:	0.0 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,800.0	4,642.8	4,315.3	4,048.2	22.1	24.4	129.60	-813.3	698.9	1,558.0	1,520.9	37.12	41.975		
4,900.0	4,742.2	4,412.4	4,132.0	22.3	25.4	129.73	-851.0	730.2	1,603.2	1,565.1	38.14	42.034		
5,000.0	4,842.0	4,800.4	4,488.4	22.5	27.9	127.48	-967.4	826.6	1,637.3	1,597.2	40.03	40.898		
5,070.1	4,912.0	5,111.3	4,793.4	22.6	29.0	179.48	-1,012.0	863.6	1,648.2	1,607.3	40.88	40.321		
5,100.0	4,941.9	5,249.0	4,930.9	22.6	29.1	179.33	-1,017.4	868.1	1,649.4	1,608.3	41.08	40.147		
5,200.0	5,041.9	5,360.1	5,041.9	22.7	29.2	179.32	-1,017.4	868.1	1,649.4	1,608.1	41.32	39.922		
5,300.0	5,141.9	5,460.1	5,141.9	22.8	29.3	179.32	-1,017.4	868.1	1,649.4	1,607.9	41.54	39.708		
5,400.0	5,241.9	5,560.1	5,241.9	22.9	29.4	179.32	-1,017.4	868.1	1,649.4	1,607.6	41.76	39.493		
5,500.0	5,341.9	5,660.1	5,341.9	23.0	29.5	179.32	-1,017.4	868.1	1,649.4	1,607.4	41.99	39.276		
5,600.0	5,441.9	5,760.1	5,441.9	23.1	29.5	179.32	-1,017.4	868.1	1,649.4	1,607.2	42.23	39.059		
5,700.0	5,541.9	5,860.1	5,541.9	23.3	29.6	179.32	-1,017.4	868.1	1,649.4	1,606.9	42.47	38.841		
5,800.0	5,641.9	5,960.1	5,641.9	23.4	29.7	179.32	-1,017.4	868.1	1,649.4	1,606.7	42.71	38.623		
5,900.0	5,741.9	6,060.1	5,741.9	23.5	29.8	179.32	-1,017.4	868.1	1,649.4	1,606.5	42.95	38.404		
6,000.0	5,841.9	6,160.1	5,841.9	23.6	29.9	179.32	-1,017.4	868.1	1,649.4	1,606.2	43.20	38.184		
6,100.0	5,941.9	6,260.1	5,941.9	23.7	30.0	179.32	-1,017.4	868.1	1,649.4	1,606.0	43.45	37.964		
6,200.0	6,041.9	6,360.1	6,041.9	23.8	30.0	179.32	-1,017.4	868.1	1,649.4	1,605.7	43.70	37.744		
6,300.0	6,141.9	6,460.1	6,141.9	24.0	30.1	179.32	-1,017.4	868.1	1,649.4	1,605.5	43.96	37.524		
6,400.0	6,241.9	6,560.1	6,241.9	24.1	30.2	179.32	-1,017.4	868.1	1,649.4	1,605.2	44.22	37.304		
6,500.0	6,341.9	6,660.1	6,341.9	24.2	30.3	179.32	-1,017.4	868.1	1,649.4	1,604.9	44.48	37.083		
6,600.0	6,441.9	6,760.1	6,441.9	24.3	30.4	179.32	-1,017.4	868.1	1,649.4	1,604.7	44.74	36.863		
6,700.0	6,541.9	6,860.1	6,541.9	24.5	30.5	179.32	-1,017.4	868.1	1,649.4	1,604.4	45.01	36.644		
6,800.0	6,641.9	6,960.1	6,641.9	24.6	30.6	179.32	-1,017.4	868.1	1,649.4	1,604.1	45.28	36.424		
6,900.0	6,741.9	7,060.1	6,741.9	24.7	30.7	179.32	-1,017.4	868.1	1,649.4	1,603.8	45.56	36.205		
7,000.0	6,841.9	7,160.1	6,841.9	24.9	30.8	179.32	-1,017.4	868.1	1,649.4	1,603.6	45.83	35.986		
7,100.0	6,941.9	7,260.1	6,941.9	25.0	30.9	179.32	-1,017.4	868.1	1,649.4	1,603.3	46.11	35.768		
7,200.0	7,041.9	7,360.1	7,041.9	25.1	31.0	179.32	-1,017.4	868.1	1,649.4	1,603.0	46.40	35.550		
7,300.0	7,141.9	7,460.1	7,141.9	25.3	31.1	179.32	-1,017.4	868.1	1,649.4	1,602.7	46.68	35.333		
7,400.0	7,241.9	7,560.1	7,241.9	25.4	31.2	179.32	-1,017.4	868.1	1,649.4	1,602.4	46.97	35.117		
7,500.0	7,341.9	7,660.1	7,341.9	25.5	31.3	179.32	-1,017.4	868.1	1,649.4	1,602.1	47.26	34.902		
7,555.1	7,397.0	7,715.1	7,397.0	25.6	31.4	179.32	-1,017.4	868.1	1,649.4	1,602.0	47.42	34.783		

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Valley Farms G - Valley Farms G 43D-14-06-92 - Wellbore #1 - Design #1													Offset Well Error:	0.0 usft
Survey Program: 0-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-102.30	-4.9	-22.5	23.0					
100.0	100.0	100.0	100.0	0.1	0.1	-102.30	-4.9	-22.5	23.0	22.9	0.19	123.516		
200.0	200.0	200.0	200.0	0.3	0.3	-102.30	-4.9	-22.5	23.0	22.4	0.64	36.225		
300.0	300.0	300.0	300.0	0.5	0.5	-102.30	-4.9	-22.5	23.0	22.0	1.09	21.225		
400.0	400.0	400.0	400.0	0.8	0.8	-102.30	-4.9	-22.5	23.0	21.5	1.54	15.010		
500.0	500.0	500.0	500.0	1.0	1.0	-102.30	-4.9	-22.5	23.0	21.1	1.98	11.610		
600.0	600.0	600.0	600.0	1.2	1.2	-102.30	-4.9	-22.5	23.0	20.6	2.43	9.466		
700.0	700.0	700.0	700.0	1.4	1.4	-102.30	-4.9	-22.5	23.0	20.2	2.88	7.990		
800.0	800.0	800.0	800.0	1.7	1.7	-102.30	-4.9	-22.5	23.0	19.7	3.33	6.913		
900.0	900.0	900.0	900.0	1.9	1.9	-102.30	-4.9	-22.5	23.0	19.3	3.78	6.091		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-102.30	-4.9	-22.5	23.0	18.8	4.23	5.444		
1,075.0	1,075.0	1,075.0	1,075.0	2.3	2.3	-102.30	-4.9	-22.5	23.0	18.5	4.57	5.043 CC, ES		
1,100.0	1,100.0	1,100.0	1,100.0	2.3	2.3	174.27	-5.1	-22.4	23.2	18.5	4.67	4.968 SF		
1,175.0	1,174.9	1,175.0	1,175.0	2.5	2.5	168.57	-7.8	-21.5	25.8	20.9	4.95	5.218		
1,200.0	1,199.9	1,200.3	1,200.2	2.5	2.5	172.73	-9.2	-20.7	27.3	22.3	5.05	5.410		
1,300.0	1,299.3	1,301.4	1,300.8	2.8	2.7	171.87	-15.4	-14.0	34.5	29.0	5.47	6.307		
1,400.0	1,398.1	1,401.1	1,399.5	3.0	3.0	162.30	-22.2	-1.4	45.5	39.6	5.91	7.704		
1,500.0	1,495.6	1,496.5	1,493.1	3.3	3.2	153.61	-32.7	13.6	66.1	59.7	6.39	10.330		
1,604.7	1,596.1	1,592.0	1,585.8	3.7	3.5	148.06	-48.3	30.5	99.0	92.0	6.98	14.174		
1,700.0	1,686.8	1,675.0	1,665.3	4.2	3.9	144.21	-66.0	46.6	135.9	128.2	7.63	17.795		
1,800.0	1,782.0	1,758.6	1,744.1	4.7	4.3	141.02	-87.7	64.1	178.6	170.3	8.37	21.345		
1,900.0	1,877.1	1,838.4	1,818.0	5.2	4.7	138.44	-112.0	82.0	225.4	216.3	9.14	24.658		
2,000.0	1,972.2	1,914.3	1,886.8	5.7	5.2	136.29	-138.2	100.0	276.1	266.1	9.94	27.776		
2,100.0	2,067.3	1,986.7	1,951.1	6.3	5.8	134.47	-166.0	118.1	330.3	319.5	10.76	30.698		
2,200.0	2,162.5	2,069.1	2,023.6	6.9	6.5	132.80	-199.2	139.2	386.2	374.6	11.65	33.146		
2,300.0	2,257.6	2,151.5	2,096.0	7.5	7.2	131.54	-232.4	160.3	442.4	429.8	12.54	35.280		
2,400.0	2,352.7	2,234.0	2,168.5	8.0	7.9	130.57	-265.5	181.4	498.6	485.1	13.44	37.099		
2,500.0	2,447.8	2,316.4	2,241.0	8.6	8.7	129.80	-298.7	202.5	554.9	540.5	14.35	38.666		
2,600.0	2,542.9	2,398.8	2,313.4	9.2	9.4	129.17	-331.8	223.6	611.3	596.0	15.27	40.027		
2,700.0	2,638.1	2,481.2	2,385.9	9.9	10.2	128.64	-365.0	244.7	667.7	651.5	16.20	41.212		
2,800.0	2,733.2	2,563.7	2,458.3	10.5	11.0	128.20	-398.1	265.8	724.1	707.0	17.14	42.256		
2,900.0	2,828.3	2,646.1	2,530.8	11.1	11.8	127.82	-431.3	286.9	780.6	762.5	18.08	43.180		
3,000.0	2,923.4	2,728.5	2,603.3	11.7	12.6	127.49	-464.4	308.0	837.1	818.0	19.02	44.004		
3,100.0	3,018.6	2,811.0	2,675.7	12.3	13.3	127.20	-497.6	329.1	893.6	873.6	19.97	44.741		
3,200.0	3,113.7	2,893.4	2,748.2	12.9	14.1	126.95	-530.7	350.2	950.1	929.2	20.93	45.403		
3,300.0	3,208.8	2,975.8	2,820.6	13.5	14.9	126.72	-563.9	371.3	1,006.6	984.7	21.88	46.001		
3,400.0	3,303.9	3,058.2	2,893.1	14.1	15.7	126.52	-597.0	392.4	1,063.1	1,040.3	22.84	46.544		
3,500.0	3,399.1	3,140.7	2,965.6	14.8	16.5	126.34	-630.2	413.5	1,119.7	1,095.9	23.80	47.038		
3,600.0	3,494.2	3,223.1	3,038.0	15.4	17.3	126.18	-663.3	434.6	1,176.2	1,151.5	24.77	47.490		
3,700.0	3,589.3	3,305.5	3,110.5	16.0	18.1	126.03	-696.5	455.7	1,232.8	1,207.1	25.73	47.905		
3,800.0	3,684.4	3,388.0	3,182.9	16.6	19.0	125.89	-729.6	476.8	1,289.4	1,262.7	26.70	48.286		
3,900.0	3,779.6	3,470.4	3,255.4	17.2	19.8	125.77	-762.8	497.8	1,345.9	1,318.3	27.67	48.637		
4,000.0	3,874.7	3,552.8	3,327.9	17.9	20.6	125.65	-795.9	518.9	1,402.5	1,373.9	28.64	48.963		
4,100.0	3,969.8	3,635.2	3,400.3	18.5	21.4	125.55	-829.1	540.0	1,459.1	1,429.5	29.62	49.265		
4,200.0	4,064.9	3,717.7	3,472.8	19.1	22.2	125.45	-862.3	561.1	1,515.7	1,485.1	30.59	49.546		
4,300.0	4,160.1	3,800.1	3,545.2	19.7	23.0	125.36	-895.4	582.2	1,572.2	1,540.7	31.57	49.808		
4,400.0	4,255.2	3,882.5	3,617.7	20.4	23.8	125.28	-928.6	603.3	1,628.8	1,596.3	32.54	50.052		
4,471.2	4,322.9	3,941.2	3,669.3	20.8	24.4	125.22	-952.2	618.3	1,669.1	1,635.9	33.24	50.217		
4,500.0	4,350.4	3,965.0	3,690.2	21.0	24.6	125.67	-961.7	624.4	1,685.3	1,651.7	33.62	50.130		
4,600.0	4,446.7	4,048.7	3,763.7	21.4	25.4	127.04	-995.4	645.8	1,739.9	1,705.0	34.84	49.940		
4,700.0	4,544.2	4,133.6	3,838.4	21.8	26.3	128.14	-1,029.5	667.6	1,791.8	1,755.8	35.99	49.791		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
<b>Project:</b>	Rockies Region	<b>TVD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

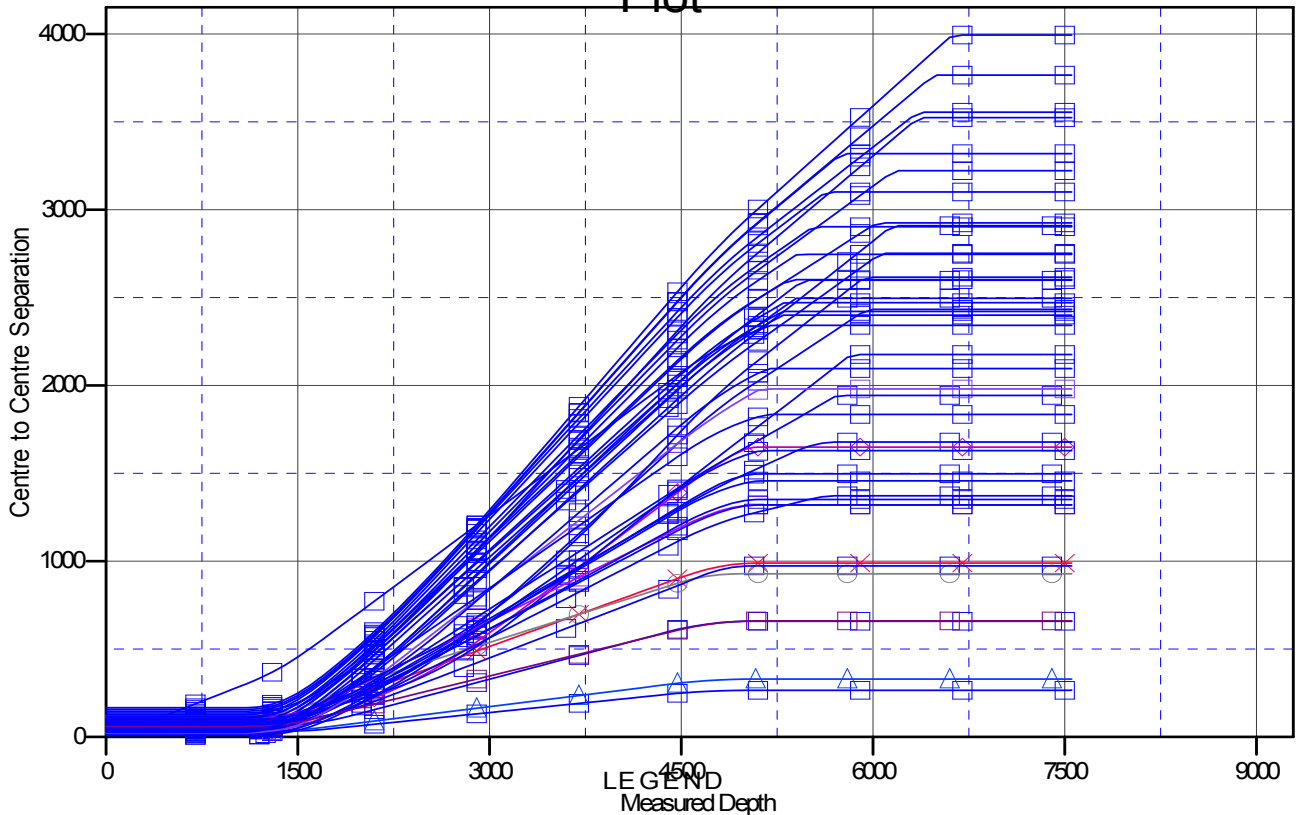
Offset Design Valley Farms G - Valley Farms G 43D-14-06-92 - Wellbore #1 - Design #1											Offset Site Error:		0.0 usft
Survey Program: 0-MWD											Offset Well Error:		0.0 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,800.0	4,642.8	4,219.6	3,914.0	22.1	27.1	128.99	-1,064.1	689.6	1,841.0	1,804.0	37.05	49.695	
4,900.0	4,742.2	4,306.5	3,990.4	22.3	28.0	129.62	-1,099.1	711.8	1,887.5	1,849.5	38.01	49.657	
5,000.0	4,842.0	4,394.0	4,067.3	22.5	28.8	130.06	-1,134.2	734.2	1,931.2	1,892.3	38.87	49.683	
5,070.1	4,912.0	4,455.5	4,121.4	22.6	29.5	-176.85	-1,159.0	749.9	1,960.1	1,920.7	39.40	49.744	
5,100.0	4,941.9	4,481.8	4,144.5	22.6	29.7	-177.08	-1,169.6	756.7	1,972.2	1,932.6	39.57	49.841	
5,200.0	5,041.9	5,415.8	5,041.9	22.7	33.5	179.37	-1,348.1	870.3	1,980.1	1,938.2	41.87	47.297	
5,300.0	5,141.9	5,515.8	5,141.9	22.8	33.6	179.37	-1,348.1	870.3	1,980.1	1,938.0	42.08	47.052	
5,400.0	5,241.9	5,615.8	5,241.9	22.9	33.6	179.37	-1,348.1	870.3	1,980.1	1,937.8	42.31	46.805	
5,500.0	5,341.9	5,715.8	5,341.9	23.0	33.7	179.37	-1,348.1	870.3	1,980.1	1,937.6	42.53	46.558	
5,600.0	5,441.9	5,815.8	5,441.9	23.1	33.8	179.37	-1,348.1	870.3	1,980.1	1,937.3	42.76	46.309	
5,700.0	5,541.9	5,915.8	5,541.9	23.3	33.8	179.37	-1,348.1	870.3	1,980.1	1,937.1	42.99	46.058	
5,800.0	5,641.9	6,015.8	5,641.9	23.4	33.9	179.37	-1,348.1	870.3	1,980.1	1,936.9	43.23	45.807	
5,900.0	5,741.9	6,115.8	5,741.9	23.5	34.0	179.37	-1,348.1	870.3	1,980.1	1,936.6	43.47	45.555	
6,000.0	5,841.9	6,215.8	5,841.9	23.6	34.0	179.37	-1,348.1	870.3	1,980.1	1,936.4	43.71	45.303	
6,100.0	5,941.9	6,315.8	5,941.9	23.7	34.1	179.37	-1,348.1	870.3	1,980.1	1,936.2	43.95	45.050	
6,200.0	6,041.9	6,415.8	6,041.9	23.8	34.2	179.37	-1,348.1	870.3	1,980.1	1,935.9	44.20	44.796	
6,300.0	6,141.9	6,515.8	6,141.9	24.0	34.3	179.37	-1,348.1	870.3	1,980.1	1,935.7	44.45	44.543	
6,400.0	6,241.9	6,615.8	6,241.9	24.1	34.3	179.37	-1,348.1	870.3	1,980.1	1,935.4	44.71	44.289	
6,500.0	6,341.9	6,715.8	6,341.9	24.2	34.4	179.37	-1,348.1	870.3	1,980.1	1,935.1	44.97	44.035	
6,600.0	6,441.9	6,815.8	6,441.9	24.3	34.5	179.37	-1,348.1	870.3	1,980.1	1,934.9	45.23	43.781	
6,700.0	6,541.9	6,915.8	6,541.9	24.5	34.6	179.37	-1,348.1	870.3	1,980.1	1,934.6	45.49	43.527	
6,800.0	6,641.9	7,015.8	6,641.9	24.6	34.7	179.37	-1,348.1	870.3	1,980.1	1,934.3	45.76	43.273	
6,900.0	6,741.9	7,115.8	6,741.9	24.7	34.7	179.37	-1,348.1	870.3	1,980.1	1,934.1	46.03	43.019	
7,000.0	6,841.9	7,215.8	6,841.9	24.9	34.8	179.37	-1,348.1	870.3	1,980.1	1,933.8	46.30	42.766	
7,100.0	6,941.9	7,315.8	6,941.9	25.0	34.9	179.37	-1,348.1	870.3	1,980.1	1,933.5	46.58	42.514	
7,200.0	7,041.9	7,415.8	7,041.9	25.1	35.0	179.37	-1,348.1	870.3	1,980.1	1,933.3	46.85	42.262	
7,300.0	7,141.9	7,515.8	7,141.9	25.3	35.1	179.37	-1,348.1	870.3	1,980.1	1,933.0	47.13	42.010	
7,400.0	7,241.9	7,615.8	7,241.9	25.4	35.2	179.37	-1,348.1	870.3	1,980.1	1,932.7	47.42	41.760	
7,500.0	7,341.9	7,715.8	7,341.9	25.5	35.3	179.37	-1,348.1	870.3	1,980.1	1,932.4	47.70	41.510	
7,555.1	7,397.0	7,770.8	7,397.0	25.6	35.3	179.37	-1,348.1	870.3	1,980.1	1,932.2	47.86	41.372	

<b>Company:</b>	Ursa Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Valley Farms G 42B-14-06-92
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<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to Valley Farms G 42B-14-06-92 @ 5640  
Offset Depths are relative to Offset Datum  
Central Meridian is 105° 30' 0.000 W

Coordinates are relative to: Valley Farms G 42B-14-06-92  
Coordinate System is US State Plane 1983, Colorado Central Zone  
Grid Convergence at Surface is: -1.34°

## Ladder Plot

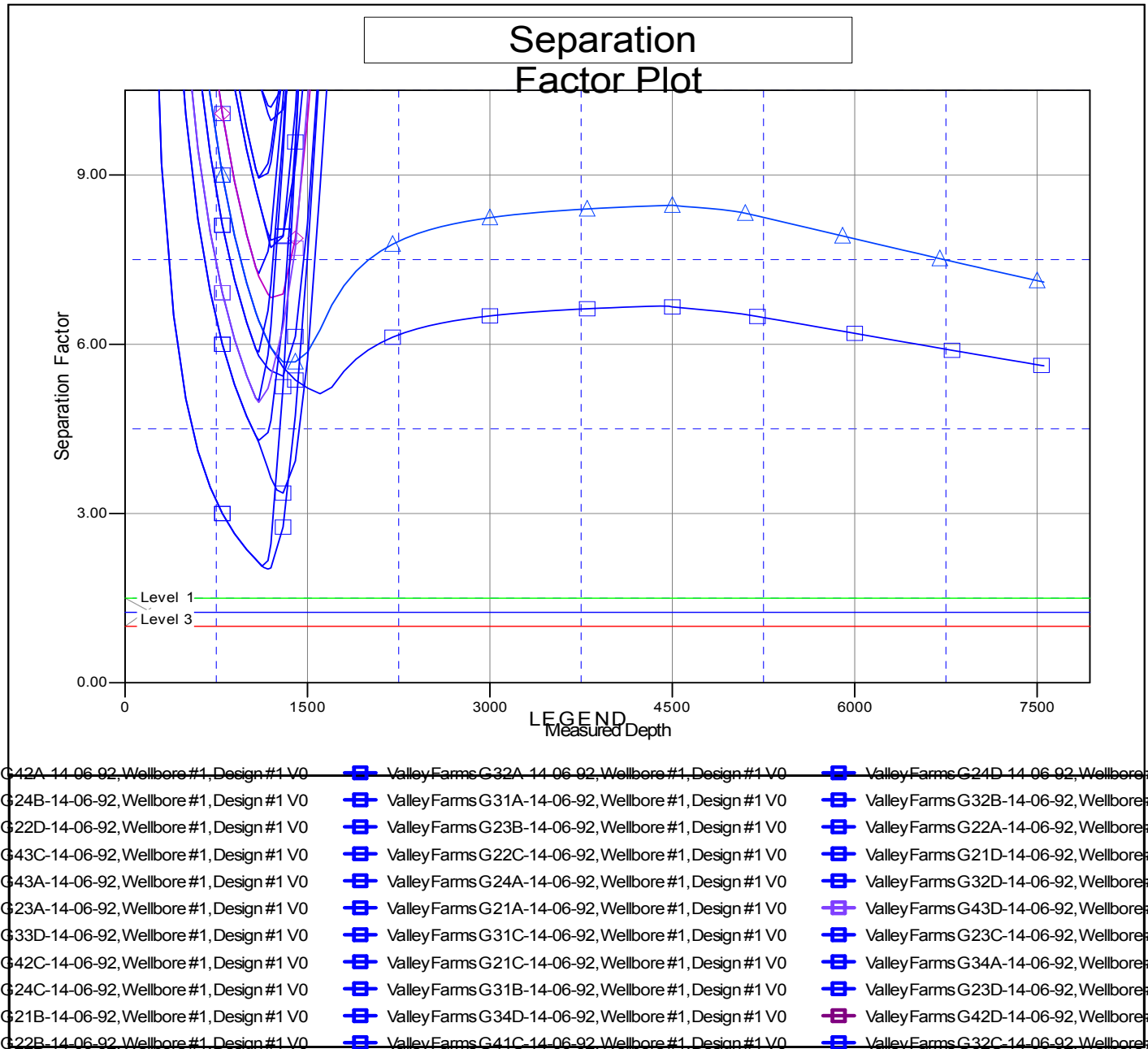


s G42A-14-06-92, Wellbore #1, Design #1 V0	ValleyFarmsG32A-14-06-92, Wellbore #1, Design #1 V0	ValleyFarmsG24D-14-06-92, Wellbore #1, Design #1 V0
s G24B-14-06-92, Wellbore #1, Design #1 V0	ValleyFarmsG31A-14-06-92, Wellbore #1, Design #1 V0	ValleyFarmsG32B-14-06-92, Wellbore #1, Design #1 V0
s G22D-14-06-92, Wellbore #1, Design #1 V0	ValleyFarmsG23B-14-06-92, Wellbore #1, Design #1 V0	ValleyFarmsG22A-14-06-92, Wellbore #1, Design #1 V0
s G43C-14-06-92, Wellbore #1, Design #1 V0	ValleyFarmsG22C-14-06-92, Wellbore #1, Design #1 V0	ValleyFarmsG21D-14-06-92, Wellbore #1, Design #1 V0
s G43A-14-06-92, Wellbore #1, Design #1 V0	ValleyFarmsG24A-14-06-92, Wellbore #1, Design #1 V0	ValleyFarmsG32D-14-06-92, Wellbore #1, Design #1 V0
s G23A-14-06-92, Wellbore #1, Design #1 V0	ValleyFarmsG21A-14-06-92, Wellbore #1, Design #1 V0	ValleyFarmsG43D-14-06-92, Wellbore #1, Design #1 V0
s G33D-14-06-92, Wellbore #1, Design #1 V0	ValleyFarmsG31C-14-06-92, Wellbore #1, Design #1 V0	ValleyFarmsG23C-14-06-92, Wellbore #1, Design #1 V0
s G42C-14-06-92, Wellbore #1, Design #1 V0	ValleyFarmsG21C-14-06-92, Wellbore #1, Design #1 V0	ValleyFarmsG34A-14-06-92, Wellbore #1, Design #1 V0
s G24C-14-06-92, Wellbore #1, Design #1 V0	ValleyFarmsG31B-14-06-92, Wellbore #1, Design #1 V0	ValleyFarmsG23D-14-06-92, Wellbore #1, Design #1 V0
s G21B-14-06-92, Wellbore #1, Design #1 V0	ValleyFarmsG34D-14-06-92, Wellbore #1, Design #1 V0	ValleyFarmsG42D-14-06-92, Wellbore #1, Design #1 V0
s G22B-14-06-92, Wellbore #1, Design #1 V0	ValleyFarmsG41C-14-06-92, Wellbore #1, Design #1 V0	ValleyFarmsG32C-14-06-92, Wellbore #1, Design #1 V0

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<b>Reference Site:</b>	Valley Farms G	<b>MD Reference:</b>	Valley Farms G 42B-14-06-92 @ 5640.0usft (PLAN KB)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Valley Farms G 42B-14-06-92	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to Valley Farms G 42B-14-06-92 @ 5640  
Offset Depths are relative to Offset Datum  
Central Meridian is 105° 30' 0.000 W

Coordinates are relative to: Valley Farms G 42B-14-06-92  
Coordinate System is US State Plane 1983, Colorado Central Zone  
Grid Convergence at Surface is: -1.34°



CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation