

Verdad Oil & Gas Corporation

Well Name: **Young 01N-65W-28-8N**

Surface Location: Young 01N-65W-28 Pad Sec.28-T1N-R65W
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone

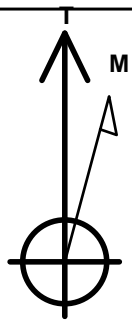
Ground Elevation: 5073.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1254521.21	3234063.27	40.029020	-104.664150	

Original Well Elev WELL @ 5086.0ft (Original Well Elev)

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 230'FNL & 1275'FEL	1.0	0.0	0.0	Point
BHL 460'FSL & 895'FEL	7246.0	-4597.3	358.5	Point



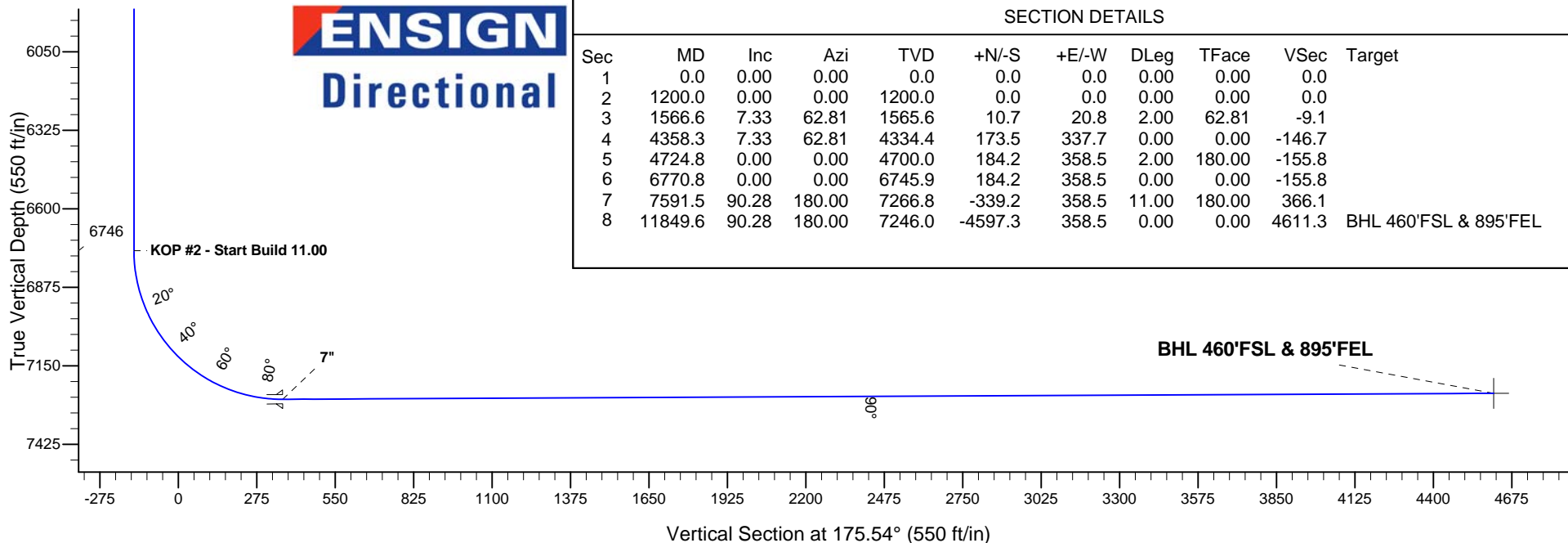
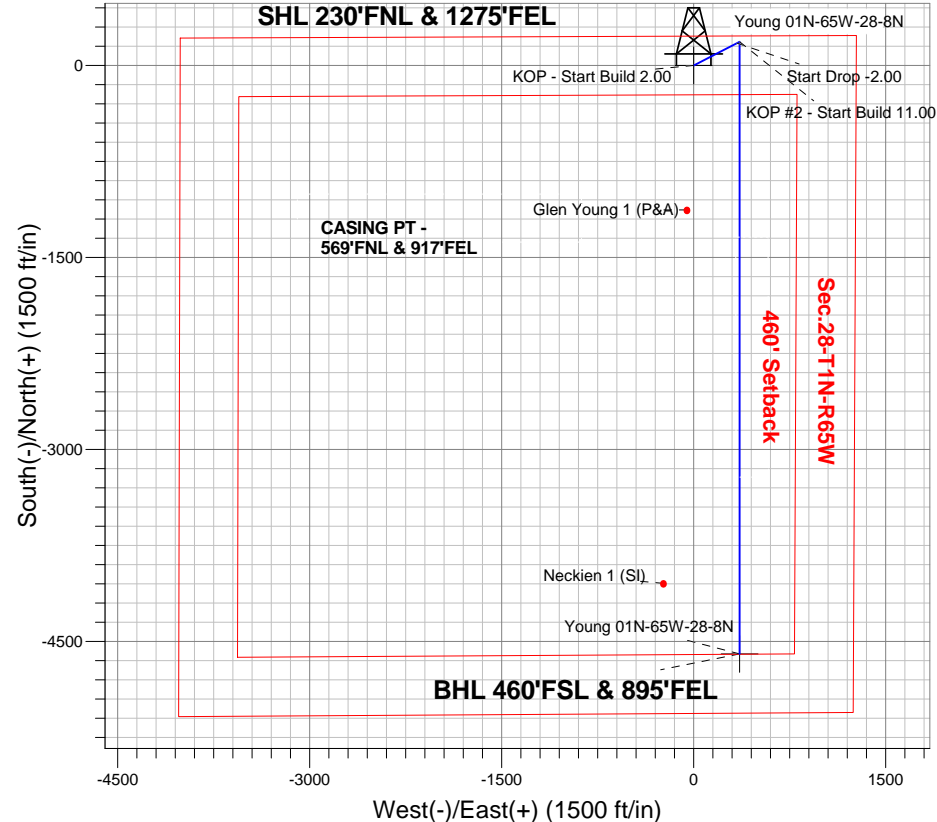
Azimuths to True North
Magnetic North: 8.35°

Magnetic Field
Strength: 52606.1nT
Dip Angle: 66.66°
Date: 9/2/2014
Model: IGRF2010

Young 01N-65W-28 Pad Sec.28-T1N-R65W
Young 01N-65W-28-8N
Plan #1 (9-2-14)

ANNOTATIONS

TVD	MD	Annotation
1200.0	1200.0	KOP - Start Build 2.00
4334.4	4358.3	Start Drop -2.00
6745.9	6770.8	KOP #2 - Start Build 11.00
7246.0	11849.6	TD at 11849.6



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	1200.0	0.00	0.00	1200.0	0.0	0.0	0.00	0.00	0.0	
3	1566.6	7.33	62.81	1565.6	10.7	20.8	2.00	62.81	-9.1	
4	4358.3	7.33	62.81	4334.4	173.5	337.7	0.00	0.00	-146.7	
5	4724.8	0.00	0.00	4700.0	184.2	358.5	2.00	180.00	-155.8	
6	6770.8	0.00	0.00	6745.9	184.2	358.5	0.00	0.00	-155.8	
7	7591.5	90.28	180.00	7266.8	-339.2	358.5	11.00	180.00	366.1	
8	11849.6	90.28	180.00	7246.0	-4597.3	358.5	0.00	0.00	4611.3	BHL 460'FSL & 895'FEL



Verdad Oil & Gas Corporation

SEC.28-T1N-R65W

Young 01N-65W-28 Pad Sec.28-T1N-R65W

Young 01N-65W-28-8N

Wellbore #1

Plan: Plan #1 (9-2-14)

Standard Planning Report

11 September, 2014

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,566.6	7.33	62.81	1,565.6	10.7	20.8	2.00	2.00	0.00	62.81	
4,358.3	7.33	62.81	4,334.4	173.5	337.7	0.00	0.00	0.00	0.00	
4,724.8	0.00	0.00	4,700.0	184.2	358.5	2.00	-2.00	0.00	180.00	
6,770.8	0.00	0.00	6,745.9	184.2	358.5	0.00	0.00	0.00	0.00	
7,591.5	90.28	180.00	7,266.8	-339.2	358.5	11.00	11.00	0.00	180.00	
11,849.6	90.28	180.00	7,246.0	-4,597.3	358.5	0.00	0.00	0.00	0.00	BHL 460'FSL & 895'

Planned Survey		Actual Survey							
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
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
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP - Start Build 2.00									
1,300.0	2.00	62.81	1,300.0	0.8	1.6	-0.7	2.00	2.00	0.00
1,400.0	4.00	62.81	1,399.8	3.2	6.2	-2.7	2.00	2.00	0.00
1,500.0	6.00	62.81	1,499.5	7.2	14.0	-6.1	2.00	2.00	0.00
1,566.6	7.33	62.81	1,565.6	10.7	20.8	-9.1	2.00	2.00	0.00
1,600.0	7.33	62.81	1,598.7	12.7	24.6	-10.7	0.00	0.00	0.00
1,700.0	7.33	62.81	1,697.9	18.5	36.0	-15.6	0.00	0.00	0.00
1,800.0	7.33	62.81	1,797.1	24.3	47.3	-20.6	0.00	0.00	0.00
1,900.0	7.33	62.81	1,896.3	30.1	58.7	-25.5	0.00	0.00	0.00
2,000.0	7.33	62.81	1,995.5	36.0	70.0	-30.4	0.00	0.00	0.00
2,100.0	7.33	62.81	2,094.6	41.8	81.4	-35.4	0.00	0.00	0.00
2,200.0	7.33	62.81	2,193.8	47.6	92.7	-40.3	0.00	0.00	0.00
2,300.0	7.33	62.81	2,293.0	53.5	104.1	-45.2	0.00	0.00	0.00
2,400.0	7.33	62.81	2,392.2	59.3	115.4	-50.1	0.00	0.00	0.00
2,500.0	7.33	62.81	2,491.4	65.1	126.8	-55.1	0.00	0.00	0.00
2,600.0	7.33	62.81	2,590.6	71.0	138.1	-60.0	0.00	0.00	0.00
2,700.0	7.33	62.81	2,689.7	76.8	149.5	-64.9	0.00	0.00	0.00
2,800.0	7.33	62.81	2,788.9	82.6	160.8	-69.9	0.00	0.00	0.00
2,900.0	7.33	62.81	2,888.1	88.5	172.2	-74.8	0.00	0.00	0.00
3,000.0	7.33	62.81	2,987.3	94.3	183.5	-79.7	0.00	0.00	0.00
3,100.0	7.33	62.81	3,086.5	100.1	194.9	-84.7	0.00	0.00	0.00
3,200.0	7.33	62.81	3,185.6	106.0	206.2	-89.6	0.00	0.00	0.00
3,300.0	7.33	62.81	3,284.8	111.8	217.6	-94.5	0.00	0.00	0.00
3,400.0	7.33	62.81	3,384.0	117.6	228.9	-99.5	0.00	0.00	0.00
3,500.0	7.33	62.81	3,483.2	123.4	240.3	-104.4	0.00	0.00	0.00
3,600.0	7.33	62.81	3,582.4	129.3	251.6	-109.3	0.00	0.00	0.00
3,700.0	7.33	62.81	3,681.6	135.1	263.0	-114.3	0.00	0.00	0.00
3,800.0	7.33	62.81	3,780.7	140.9	274.3	-119.2	0.00	0.00	0.00
3,900.0	7.33	62.81	3,879.9	146.8	285.7	-124.1	0.00	0.00	0.00
4,000.0	7.33	62.81	3,979.1	152.6	297.0	-129.1	0.00	0.00	0.00
4,100.0	7.33	62.81	4,078.3	158.4	308.4	-134.0	0.00	0.00	0.00
4,200.0	7.33	62.81	4,177.5	164.3	319.7	-138.9	0.00	0.00	0.00
4,300.0	7.33	62.81	4,276.7	170.1	331.1	-143.8	0.00	0.00	0.00
4,358.3	7.33	62.81	4,334.5	173.5	337.7	-146.7	0.00	0.00	0.00
Start Drop -2.00									
4,400.0	6.50	62.81	4,375.9	175.8	342.2	-148.7	2.00	-2.00	0.00
4,500.0	4.50	62.81	4,475.4	180.2	350.7	-152.4	2.00	-2.00	0.00
4,600.0	2.50	62.81	4,575.2	183.0	356.1	-154.7	2.00	-2.00	0.00
4,700.0	0.50	62.81	4,675.2	184.2	358.4	-155.7	2.00	-2.00	0.00
4,724.8	0.00	0.00	4,700.0	184.2	358.5	-155.8	2.00	-2.00	0.00
4,800.0	0.00	0.00	4,775.2	184.2	358.5	-155.8	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well Young 01N-65W-28-8N
Company:	Verdad Oil & Gas Corporation	TVD Reference:	WELL @ 5086.0ft (Original Well Elev)
Project:	SEC.28-T1N-R65W	MD Reference:	WELL @ 5086.0ft (Original Well Elev)
Site:	Young 01N-65W-28 Pad Sec.28-T1N-R65W	North Reference:	True
Well:	Young 01N-65W-28-8N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (9-2-14)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,900.0	0.00	0.00	4,875.2	184.2	358.5	-155.8	0.00	0.00	0.00
5,000.0	0.00	0.00	4,975.2	184.2	358.5	-155.8	0.00	0.00	0.00
5,100.0	0.00	0.00	5,075.2	184.2	358.5	-155.8	0.00	0.00	0.00
5,200.0	0.00	0.00	5,175.2	184.2	358.5	-155.8	0.00	0.00	0.00
5,300.0	0.00	0.00	5,275.2	184.2	358.5	-155.8	0.00	0.00	0.00
5,400.0	0.00	0.00	5,375.2	184.2	358.5	-155.8	0.00	0.00	0.00
5,500.0	0.00	0.00	5,475.2	184.2	358.5	-155.8	0.00	0.00	0.00
5,600.0	0.00	0.00	5,575.2	184.2	358.5	-155.8	0.00	0.00	0.00
5,700.0	0.00	0.00	5,675.2	184.2	358.5	-155.8	0.00	0.00	0.00
5,800.0	0.00	0.00	5,775.2	184.2	358.5	-155.8	0.00	0.00	0.00
5,900.0	0.00	0.00	5,875.2	184.2	358.5	-155.8	0.00	0.00	0.00
6,000.0	0.00	0.00	5,975.2	184.2	358.5	-155.8	0.00	0.00	0.00
6,100.0	0.00	0.00	6,075.2	184.2	358.5	-155.8	0.00	0.00	0.00
6,200.0	0.00	0.00	6,175.2	184.2	358.5	-155.8	0.00	0.00	0.00
6,300.0	0.00	0.00	6,275.2	184.2	358.5	-155.8	0.00	0.00	0.00
6,400.0	0.00	0.00	6,375.2	184.2	358.5	-155.8	0.00	0.00	0.00
6,500.0	0.00	0.00	6,475.2	184.2	358.5	-155.8	0.00	0.00	0.00
6,600.0	0.00	0.00	6,575.2	184.2	358.5	-155.8	0.00	0.00	0.00
6,700.0	0.00	0.00	6,675.2	184.2	358.5	-155.8	0.00	0.00	0.00
6,770.8	0.00	0.00	6,746.0	184.2	358.5	-155.8	0.00	0.00	0.00
KOP #2 - Start Build 11.00									
6,800.0	3.22	180.00	6,775.2	183.4	358.5	-154.9	11.01	11.01	0.00
6,900.0	14.22	180.00	6,873.9	168.2	358.5	-139.9	11.00	11.00	0.00
7,000.0	25.22	180.00	6,967.9	134.6	358.5	-106.3	11.00	11.00	0.00
7,100.0	36.22	180.00	7,053.7	83.6	358.5	-55.4	11.00	11.00	0.00
7,200.0	47.22	180.00	7,128.2	17.1	358.5	10.8	11.00	11.00	0.00
7,300.0	58.22	180.00	7,188.7	-62.3	358.5	90.0	11.00	11.00	0.00
7,400.0	69.22	180.00	7,232.9	-151.8	358.5	179.3	11.00	11.00	0.00
7,500.0	80.22	180.00	7,259.2	-248.2	358.5	275.3	11.00	11.00	0.00
7,591.5	90.28	180.00	7,266.8	-339.2	358.5	366.1	11.00	11.00	0.00
7"									
7,600.0	90.28	180.00	7,266.8	-347.7	358.5	374.5	0.00	0.00	0.00
7,700.0	90.28	180.00	7,266.3	-447.7	358.5	474.2	0.00	0.00	0.00
7,800.0	90.28	180.00	7,265.8	-547.7	358.5	573.9	0.00	0.00	0.00
7,900.0	90.28	180.00	7,265.3	-647.7	358.5	673.6	0.00	0.00	0.00
8,000.0	90.28	180.00	7,264.8	-747.7	358.5	773.3	0.00	0.00	0.00
8,100.0	90.28	180.00	7,264.3	-847.7	358.5	873.0	0.00	0.00	0.00
8,200.0	90.28	180.00	7,263.8	-947.7	358.5	972.7	0.00	0.00	0.00
8,300.0	90.28	180.00	7,263.3	-1,047.7	358.5	1,072.4	0.00	0.00	0.00
8,400.0	90.28	180.00	7,262.9	-1,147.7	358.5	1,172.1	0.00	0.00	0.00
8,500.0	90.28	180.00	7,262.4	-1,247.7	358.5	1,271.8	0.00	0.00	0.00
8,600.0	90.28	180.00	7,261.9	-1,347.7	358.5	1,371.5	0.00	0.00	0.00
8,700.0	90.28	180.00	7,261.4	-1,447.7	358.5	1,471.2	0.00	0.00	0.00
8,800.0	90.28	180.00	7,260.9	-1,547.7	358.5	1,570.9	0.00	0.00	0.00
8,900.0	90.28	180.00	7,260.4	-1,647.7	358.5	1,670.6	0.00	0.00	0.00
9,000.0	90.28	180.00	7,259.9	-1,747.7	358.5	1,770.3	0.00	0.00	0.00
9,100.0	90.28	180.00	7,259.4	-1,847.7	358.5	1,870.0	0.00	0.00	0.00
9,200.0	90.28	180.00	7,258.9	-1,947.7	358.5	1,969.7	0.00	0.00	0.00
9,300.0	90.28	180.00	7,258.5	-2,047.7	358.5	2,069.4	0.00	0.00	0.00
9,400.0	90.28	180.00	7,258.0	-2,147.7	358.5	2,169.1	0.00	0.00	0.00
9,500.0	90.28	180.00	7,257.5	-2,247.7	358.5	2,268.8	0.00	0.00	0.00
9,600.0	90.28	180.00	7,257.0	-2,347.7	358.5	2,368.5	0.00	0.00	0.00
9,700.0	90.28	180.00	7,256.5	-2,447.7	358.5	2,468.2	0.00	0.00	0.00
9,800.0	90.28	180.00	7,256.0	-2,547.7	358.5	2,567.9	0.00	0.00	0.00

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
9,900.0	90.28	180.00	7,255.5	-2,647.7	358.5	2,667.6	0.00	0.00	0.00	
10,000.0	90.28	180.00	7,255.0	-2,747.7	358.5	2,767.3	0.00	0.00	0.00	
10,100.0	90.28	180.00	7,254.6	-2,847.7	358.5	2,866.9	0.00	0.00	0.00	
10,200.0	90.28	180.00	7,254.1	-2,947.7	358.5	2,966.6	0.00	0.00	0.00	
10,300.0	90.28	180.00	7,253.6	-3,047.7	358.5	3,066.3	0.00	0.00	0.00	
10,400.0	90.28	180.00	7,253.1	-3,147.7	358.5	3,166.0	0.00	0.00	0.00	
10,500.0	90.28	180.00	7,252.6	-3,247.7	358.5	3,265.7	0.00	0.00	0.00	
10,600.0	90.28	180.00	7,252.1	-3,347.7	358.5	3,365.4	0.00	0.00	0.00	
10,700.0	90.28	180.00	7,251.6	-3,447.7	358.5	3,465.1	0.00	0.00	0.00	
10,800.0	90.28	180.00	7,251.1	-3,547.7	358.5	3,564.8	0.00	0.00	0.00	
10,900.0	90.28	180.00	7,250.6	-3,647.7	358.5	3,664.5	0.00	0.00	0.00	
11,000.0	90.28	180.00	7,250.2	-3,747.7	358.5	3,764.2	0.00	0.00	0.00	
11,100.0	90.28	180.00	7,249.7	-3,847.7	358.5	3,863.9	0.00	0.00	0.00	
11,200.0	90.28	180.00	7,249.2	-3,947.7	358.5	3,963.6	0.00	0.00	0.00	
11,300.0	90.28	180.00	7,248.7	-4,047.7	358.5	4,063.3	0.00	0.00	0.00	
11,400.0	90.28	180.00	7,248.2	-4,147.7	358.5	4,163.0	0.00	0.00	0.00	
11,500.0	90.28	180.00	7,247.7	-4,247.7	358.5	4,262.7	0.00	0.00	0.00	
11,600.0	90.28	180.00	7,247.2	-4,347.7	358.5	4,362.4	0.00	0.00	0.00	
11,700.0	90.28	180.00	7,246.7	-4,447.7	358.5	4,462.1	0.00	0.00	0.00	
11,800.0	90.28	180.00	7,246.2	-4,547.7	358.5	4,561.8	0.00	0.00	0.00	
11,849.6	90.28	180.00	7,246.0	-4,597.3	358.5	4,611.2	0.00	0.00	0.00	
TD at 11849.6										

Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
SHL 230'FNL & 1275' - plan hits target center - Point	0.00	0.00	1.0	0.0	0.0	1,254,521.22	3,234,063.27	40.029020	-104.664150
BHL 460'FSL & 895'F - plan hits target center - Point	0.00	0.00	7,246.0	-4,597.3	358.5	1,249,927.66	3,234,465.10	40.016400	-104.662870

Casing Points					
	Measured Depth (ft)	Vertical Depth (ft)		Name	
				Casing Diameter (")	Hole Diameter (")
	7,591.5	7,266.8	7"	7	7-1/2

Plan Annotations					
	Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
			+N/-S (ft)	+E/-W (ft)	
	1,200.0	1,200.0	0.0	0.0	KOP - Start Build 2.00
	4,358.3	4,334.4	10.7	20.8	Start Drop -2.00
	6,770.8	6,745.9	173.5	337.7	KOP #2 - Start Build 11.00
	11,849.6	7,246.0	184.2	358.5	TD at 11849.6



Verdad Oil & Gas Corporation

SEC.28-T1N-R65W

Young 01N-65W-28 Pad Sec.28-T1N-R65W

Young 01N-65W-28-8N

Wellbore #1

Plan #1 (9-2-14)

Anticollision Report

11 September, 2014

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Young 01N-65W-28-8N
Project:	SEC.28-T1N-R65W	TVD Reference:	WELL @ 5086.0ft (Original Well Elev)
Reference Site:	Young 01N-65W-28 Pad Sec.28-T1N-R65W	MD Reference:	WELL @ 5086.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Young 01N-65W-28-8N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (9-2-14)	Offset TVD Reference:	Offset Datum

Reference	Plan #1 (9-2-14)		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.0ft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 1,000.0ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program	Date 9/11/2014			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	11,848.8	Plan #1 (9-2-14) (Wellbore #1)	MWD	MWD - Standard

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Existing Wells Sec.28-T1N-R65W						
Glen Young 1 (P&A) - Wellbore #1 - Wellbore #1	8,381.6	7,236.9	411.7	239.9	2.396	CC, ES
Glen Young 1 (P&A) - Wellbore #1 - Wellbore #1	8,400.0	7,236.9	412.1	240.0	2.395	SF
Neckien 1 (SI) - Wellbore #1 - Wellbore #1	11,299.6	7,216.7	596.6	372.8	2.666	CC
Neckien 1 (SI) - Wellbore #1 - Wellbore #1	11,300.0	7,216.7	596.6	372.8	2.666	ES, SF
Young 01N-65W-28 Pad Sec.28-T1N-R65W						
Young 01N-65W-28-1C - Wellbore #1 - Plan #1 (8-29-14)	200.0	197.0	103.6	102.9	155.218	CC, ES
Young 01N-65W-28-1C - Wellbore #1 - Plan #1 (8-29-14)	1,200.0	1,172.6	217.1	211.3	37.569	SF
Young 01N-65W-28-2N - Wellbore #1 - Plan #1 (8-29-14)	400.0	397.0	89.6	88.0	57.202	CC, ES
Young 01N-65W-28-2N - Wellbore #1 - Plan #1 (8-29-14)	11,849.6	11,849.5	991.5	812.0	5.522	SF
Young 01N-65W-28-3N - Wellbore #1 - Plan #1 (8-29-14)	1,000.0	998.0	75.6	71.3	17.724	CC, ES
Young 01N-65W-28-3N - Wellbore #1 - Plan #1 (8-29-14)	11,849.6	11,840.6	826.3	646.8	4.604	SF
Young 01N-65W-28-4N - Wellbore #1 - Plan #1 (8-29-14)	1,200.0	1,198.0	58.8	53.6	11.386	CC, ES
Young 01N-65W-28-4N - Wellbore #1 - Plan #1 (8-29-14)	11,849.6	11,836.2	661.0	481.6	3.683	SF
Young 01N-65W-28-5C - Wellbore #1 - Plan #1 (9-2-14)	1,200.0	1,199.0	44.8	39.6	8.671	CC, ES
Young 01N-65W-28-5C - Wellbore #1 - Plan #1 (9-2-14)	11,849.6	12,036.6	538.8	370.9	3.209	SF
Young 01N-65W-28-6N - Wellbore #1 - Plan #1 (9-2-14)	1,200.0	1,199.0	28.0	22.8	5.419	CC, ES
Young 01N-65W-28-6N - Wellbore #1 - Plan #1 (9-2-14)	11,849.6	11,833.7	330.5	150.8	1.839	SF
Young 01N-65W-28-7N - Wellbore #1 - Plan #1 (9-2-14)	1,200.0	1,200.0	14.0	8.8	2.709	CC
Young 01N-65W-28-7N - Wellbore #1 - Plan #1 (9-2-14)	11,849.6	11,836.2	165.3	-14.1	0.922	Level 1, ES, SF
Young 01N-65W-28-9C - Wellbore #1 - Plan #1 (9-2-14)	966.3	967.3	16.8	12.7	4.077	CC
Young 01N-65W-28-9C - Wellbore #1 - Plan #1 (9-2-14)	1,000.0	1,001.0	16.8	12.5	3.933	ES
Young 01N-65W-28-9C - Wellbore #1 - Plan #1 (9-2-14)	11,849.6	12,069.8	268.0	146.0	2.196	SF

Offset Design		Existing Wells Sec.28-T1N-R65W - Glen Young 1 (P&A) - Wellbore #1 - Wellbore #1										Offset Site Error:		0.0 ft	
Survey Program:		8100-UNKNOWN										Offset Well Error:		0.0 ft	
Reference		Offset		Semi Major Axis			Distance								
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning		
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)				
7,500.0	7,259.2	7,233.2	7,233.2	17.5	144.7	70.01	-1,129.3	-53.2	972.6	820.8	151.81	6.407			
7,600.0	7,266.8	7,240.8	7,240.8	18.1	144.8	90.53	-1,129.3	-53.2	883.4	721.3	162.09	5.450			
7,700.0	7,266.3	7,240.3	7,240.3	18.9	144.8	90.46	-1,129.3	-53.2	796.3	633.3	162.95	4.887			
7,800.0	7,265.8	7,239.8	7,239.8	19.9	144.8	90.40	-1,129.3	-53.2	712.6	548.6	163.95	4.346			
7,900.0	7,265.3	7,239.3	7,239.3	21.0	144.8	90.33	-1,129.3	-53.2	633.6	468.5	165.09	3.838			
8,000.0	7,264.8	7,238.8	7,238.8	22.2	144.8	90.26	-1,129.3	-53.2	561.4	395.0	166.34	3.375			

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

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Young 01N-65W-28-8N
Project:	SEC.28-T1N-R65W	TVD Reference:	WELL @ 5086.0ft (Original Well Elev)
Reference Site:	Young 01N-65W-28 Pad Sec.28-T1N-R65W	MD Reference:	WELL @ 5086.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Young 01N-65W-28-8N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (9-2-14)	Offset TVD Reference:	Offset Datum

Offset Design		Existing Wells Sec.28-T1N-R65W - Glen Young 1 (P&A) - Wellbore #1 - Wellbore #1											Offset Site Error:		0.0 ft		
Survey Program: 8100-UNKNOWN														Offset Well Error:		0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre +N/-S	+E/-W	Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)						
8,100.0	7,264.3	7,238.3	7,238.3	23.5	144.8	90.19	-1,129.3	-53.2	498.8	331.1	167.68	2.975	2.396 CC, ES 2.395 SF				
8,200.0	7,263.8	7,237.8	7,237.8	24.9	144.8	90.12	-1,129.3	-53.2	450.0	280.9	169.09	2.661					
8,300.0	7,263.3	7,237.3	7,237.3	26.4	144.7	90.06	-1,129.3	-53.2	419.7	249.2	170.57	2.461					
8,381.6	7,262.9	7,236.9	7,236.9	27.6	144.7	90.00	-1,129.3	-53.2	411.7	239.9	171.82						
8,400.0	7,262.9	7,236.9	7,236.9	27.9	144.7	89.99	-1,129.3	-53.2	412.1	240.0	172.10						
8,500.0	7,262.4	7,236.4	7,236.4	29.5	144.7	89.92	-1,129.3	-53.2	428.4	254.8	173.67	2.467					
8,600.0	7,261.9	7,235.9	7,235.9	31.1	144.7	89.85	-1,129.3	-53.2	466.1	290.8	175.28	2.659					
8,700.0	7,261.4	7,235.4	7,235.4	32.7	144.7	89.78	-1,129.3	-53.2	520.5	343.6	176.93	2.942					
8,800.0	7,260.9	7,234.9	7,234.9	34.3	144.7	89.72	-1,129.3	-53.2	587.0	408.4	178.60	3.287					
8,900.0	7,260.4	7,234.4	7,234.4	36.0	144.7	89.65	-1,129.3	-53.2	662.0	481.7	180.29	3.672					
9,000.0	7,259.9	7,233.9	7,233.9	37.7	144.7	89.58	-1,129.3	-53.2	742.9	560.9	182.01	4.082					
9,100.0	7,259.4	7,233.4	7,233.4	39.5	144.7	89.51	-1,129.3	-53.2	828.0	644.3	183.74	4.507					
9,200.0	7,258.9	7,232.9	7,232.9	41.2	144.7	89.44	-1,129.3	-53.2	916.1	730.7	185.49	4.939					

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Young 01N-65W-28-8N
Project:	SEC.28-T1N-R65W	TVD Reference:	WELL @ 5086.0ft (Original Well Elev)
Reference Site:	Young 01N-65W-28 Pad Sec.28-T1N-R65W	MD Reference:	WELL @ 5086.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Young 01N-65W-28-8N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (9-2-14)	Offset TVD Reference:	Offset Datum

Offset Design Existing Wells Sec.28-T1N-R65W - Neckien 1 (SI) - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 ft
Survey Program: 8061-UNKNOWN												Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,500.0	7,252.6	7,220.6	7,220.6	64.8	144.4	90.38	-4,047.2	-238.1	997.6	788.7	208.95	4.774	
10,600.0	7,252.1	7,220.1	7,220.1	66.6	144.4	90.33	-4,047.2	-238.1	919.4	708.6	210.80	4.361	
10,700.0	7,251.6	7,219.6	7,219.6	68.5	144.4	90.28	-4,047.2	-238.1	845.8	633.2	212.65	3.977	
10,800.0	7,251.1	7,219.1	7,219.1	70.3	144.4	90.23	-4,047.2	-238.1	778.1	563.6	214.51	3.628	
10,900.0	7,250.6	7,218.6	7,218.6	72.2	144.4	90.19	-4,047.2	-238.1	718.0	501.7	216.37	3.319	
11,000.0	7,250.2	7,218.2	7,218.2	74.1	144.4	90.14	-4,047.2	-238.1	667.6	449.4	218.23	3.059	
11,100.0	7,249.7	7,217.7	7,217.7	75.9	144.4	90.09	-4,047.2	-238.1	629.1	409.0	220.09	2.858	
11,200.0	7,249.2	7,217.2	7,217.2	77.8	144.3	90.05	-4,047.2	-238.1	604.9	382.9	221.95	2.725	
11,299.6	7,248.7	7,216.7	7,216.7	79.7	144.3	90.00	-4,047.2	-238.1	596.6	372.8	223.81	2.666 CC	
11,300.0	7,248.7	7,216.7	7,216.7	79.7	144.3	90.00	-4,047.2	-238.1	596.6	372.8	223.82	2.666 ES, SF	
11,400.0	7,248.2	7,216.2	7,216.2	81.5	144.3	89.95	-4,047.2	-238.1	605.0	379.3	225.68	2.681	
11,500.0	7,247.7	7,215.7	7,215.7	83.4	144.3	89.91	-4,047.2	-238.1	629.4	401.8	227.55	2.766	
11,600.0	7,247.2	7,215.2	7,215.2	85.3	144.3	89.86	-4,047.2	-238.1	668.0	438.6	229.42	2.912	
11,700.0	7,246.7	7,214.7	7,214.7	87.2	144.3	89.81	-4,047.2	-238.1	718.5	487.2	231.30	3.107	
11,800.0	7,246.2	7,214.2	7,214.2	89.1	144.3	89.77	-4,047.2	-238.1	778.7	545.5	233.17	3.340	
11,849.6	7,246.0	7,214.0	7,214.0	89.8	144.3	89.74	-4,047.2	-238.1	811.5	577.6	233.92	3.469	

Young 01N-65W-28 Pad Sec.28-T1N-R65W - Young 01N-65W-28-1C - Wellbore #1 - Plan #1 (8-29-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
0.0	0.0	0.0	0.0	0.0	0.0	-90.00	0.0	-103.6	103.7					
100.0	100.0	97.0	97.0	0.1	0.1	-90.00	0.0	-103.6	103.6	103.4	0.22	468.005		
200.0	200.0	197.0	197.0	0.3	0.3	-90.00	0.0	-103.6	103.6	102.9	0.67	155.218	CC, ES	
300.0	300.0	293.7	293.7	0.6	0.5	-89.79	0.4	-105.1	105.2	104.1	1.10	95.348		
400.0	400.0	390.0	389.9	0.8	0.8	-89.19	1.6	-109.7	110.0	108.4	1.54	71.205		
500.0	500.0	486.0	485.5	1.0	1.0	-88.28	3.5	-117.4	118.1	116.0	2.01	58.832		
600.0	600.0	581.3	580.2	1.2	1.3	-87.21	6.3	-128.2	129.4	126.9	2.50	51.858		
700.0	700.0	678.2	676.0	1.5	1.6	-86.08	9.7	-141.8	143.6	140.6	3.02	47.574		
800.0	800.0	777.0	773.8	1.7	1.9	-85.11	13.3	-156.0	158.3	154.7	3.56	44.415		
900.0	900.0	875.9	871.6	1.9	2.2	-84.31	17.0	-170.2	173.0	168.8	4.11	42.043		
1,000.0	1,000.0	974.8	969.4	2.1	2.6	-83.63	20.6	-184.5	187.7	183.0	4.67	40.208		
1,100.0	1,100.0	1,073.7	1,067.2	2.4	2.9	-83.05	24.2	-198.7	202.4	197.2	5.22	38.751		
1,200.0	1,200.0	1,172.6	1,165.0	2.6	3.3	-82.55	27.8	-212.9	217.1	211.3	5.78	37.569	SF	
1,300.0	1,300.0	1,271.3	1,262.6	2.8	3.6	-144.98	31.5	-227.1	233.3	227.6	5.66	41.231		
1,400.0	1,399.8	1,369.4	1,359.6	3.0	4.0	-145.06	35.1	-241.3	252.3	246.2	6.10	41.366		
1,500.0	1,499.5	1,467.0	1,456.1	3.2	4.3	-145.49	38.6	-255.3	274.1	267.6	6.54	41.937		
1,600.0	1,598.7	1,563.8	1,551.9	3.5	4.7	-146.25	42.2	-269.3	298.6	291.6	6.98	42.795		
1,700.0	1,697.9	1,660.5	1,647.4	3.7	5.0	-147.12	45.7	-283.2	323.8	316.4	7.44	43.541		
1,800.0	1,797.1	1,757.2	1,743.0	4.0	5.4	-147.88	49.3	-297.1	349.1	341.2	7.90	44.176		
1,900.0	1,896.3	1,853.8	1,838.6	4.3	5.7	-148.52	52.8	-311.0	374.4	366.0	8.37	44.722		
2,000.0	1,995.5	1,950.5	1,934.2	4.6	6.1	-149.09	56.4	-324.9	399.7	390.9	8.84	45.196		
2,100.0	2,094.6	2,047.1	2,029.8	4.8	6.4	-149.59	59.9	-338.8	425.1	415.8	9.32	45.610		
2,200.0	2,193.8	2,143.8	2,125.4	5.1	6.8	-150.04	63.4	-352.7	450.5	440.7	9.80	45.975		
2,300.0	2,293.0	2,240.5	2,221.0	5.4	7.1	-150.43	67.0	-366.7	476.0	465.7	10.28	46.299		
2,400.0	2,392.2	2,337.1	2,316.6	5.7	7.5	-150.79	70.5	-380.6	501.4	490.6	10.76	46.587		
2,500.0	2,491.4	2,433.8	2,412.2	6.0	7.8	-151.11	74.1	-394.5	526.9	515.6	11.25	46.846		
2,600.0	2,590.6	2,530.4	2,507.8	6.3	8.2	-151.40	77.6	-408.4	552.4	540.6	11.73	47.080		
2,700.0	2,689.7	2,627.1	2,603.3	6.6	8.5	-151.67	81.2	-422.3	577.9	565.6	12.22	47.291		
2,800.0	2,788.9	2,723.8	2,698.9	7.0	8.8	-151.91	84.7	-436.2	603.4	590.7	12.71	47.484		
2,900.0	2,888.1	2,820.4	2,794.5	7.3	9.2	-152.13	88.2	-450.1	628.9	615.7	13.20	47.659		
3,000.0	2,987.3	2,917.1	2,890.1	7.6	9.5	-152.34	91.8	-464.1	654.4	640.7	13.68	47.820		
3,100.0	3,086.5	3,013.8	2,985.7	7.9	9.9	-152.53	95.3	-478.0	679.9	665.8	14.17	47.968		
3,200.0	3,185.6	3,110.4	3,081.3	8.2	10.2	-152.71	98.9	-491.9	705.5	690.8	14.67	48.104		
3,300.0	3,284.8	3,207.1	3,176.9	8.5	10.6	-152.87	102.4	-505.8	731.0	715.9	15.16	48.230		
3,400.0	3,384.0	3,303.7	3,272.5	8.8	10.9	-153.03	106.0	-519.7	756.6	740.9	15.65	48.347		
3,500.0	3,483.2	3,400.4	3,368.1	9.1	11.3	-153.17	109.5	-533.6	782.1	766.0	16.14	48.455		
3,600.0	3,582.4	3,497.1	3,463.6	9.5	11.6	-153.31	113.1	-547.5	807.7	791.0	16.63	48.557		
3,700.0	3,681.6	3,593.7	3,559.2	9.8	12.0	-153.43	116.6	-561.5	833.2	816.1	17.13	48.651		
3,800.0	3,780.7	3,690.4	3,654.8	10.1	12.3	-153.55	120.1	-575.4	858.8	841.2	17.62	48.739		
3,900.0	3,879.9	3,787.1	3,750.4	10.4	12.7	-153.66	123.7	-589.3	884.4	866.2	18.11	48.822		
4,000.0	3,979.1	3,883.7	3,846.0	10.7	13.0	-153.77	127.2	-603.2	909.9	891.3	18.61	48.900		
4,100.0	4,078.3	3,980.4	3,941.6	11.1	13.4	-153.87	130.8	-617.1	935.5	916.4	19.10	48.973		
4,200.0	4,177.5	4,077.0	4,037.2	11.4	13.7	-153.96	134.3	-631.0	961.1	941.5	19.60	49.041		
4,300.0	4,276.7	4,173.7	4,132.8	11.7	14.1	-154.05	137.9	-644.9	986.7	966.6	20.09	49.106		

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Young 01N-65W-28-8N
Project:	SEC.28-T1N-R65W	TVD Reference:	WELL @ 5086.0ft (Original Well Elev)
Reference Site:	Young 01N-65W-28 Pad Sec.28-T1N-R65W	MD Reference:	WELL @ 5086.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Young 01N-65W-28-8N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (9-2-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-90.00	0.0	-89.6	89.7					
100.0	100.0	97.0	97.0	0.1	0.1	-90.00	0.0	-89.6	89.6	89.4	0.22	404.761		
200.0	200.0	197.0	197.0	0.3	0.3	-90.00	0.0	-89.6	89.6	88.9	0.67	134.243		
300.0	300.0	297.0	297.0	0.6	0.6	-90.00	0.0	-89.6	89.6	88.5	1.12	80.221		
400.0	400.0	397.0	397.0	0.8	0.8	-90.00	0.0	-89.6	89.6	88.0	1.57	57.202 CC, ES		
500.0	500.0	494.2	494.1	1.0	1.0	-89.70	0.5	-91.1	91.1	89.1	2.00	45.511		
600.0	600.0	591.0	590.9	1.2	1.2	-88.82	2.0	-95.7	95.9	93.4	2.44	39.306		
700.0	700.0	687.5	687.0	1.5	1.4	-87.53	4.5	-103.3	103.9	101.0	2.89	35.917		
800.0	800.0	783.8	782.7	1.7	1.7	-86.02	7.9	-114.0	115.2	111.8	3.37	34.174		
900.0	900.0	883.0	881.1	1.9	2.0	-84.62	11.9	-126.0	127.6	123.7	3.87	32.937		
1,000.0	1,000.0	982.2	979.4	2.1	2.3	-83.48	15.8	-138.1	140.1	135.7	4.39	31.934		
1,100.0	1,100.0	1,081.4	1,077.8	2.4	2.6	-82.52	19.7	-150.2	152.7	147.8	4.91	31.113		
1,200.0	1,200.0	1,180.6	1,176.2	2.6	2.9	-81.71	23.6	-162.2	165.3	159.8	5.43	30.434		
1,300.0	1,300.0	1,279.6	1,274.4	2.8	3.2	-143.99	27.6	-174.3	179.3	173.7	5.59	32.074		
1,400.0	1,399.8	1,378.1	1,372.1	3.0	3.5	-144.08	31.5	-186.2	196.1	190.1	6.03	32.535		
1,500.0	1,499.5	1,476.1	1,469.3	3.2	3.8	-144.65	35.3	-198.2	215.7	209.2	6.46	33.378		
1,600.0	1,598.7	1,573.5	1,565.9	3.5	4.1	-145.61	39.2	-210.0	238.0	231.1	6.90	34.483		
1,700.0	1,697.9	1,670.7	1,662.3	3.7	4.5	-146.64	43.0	-221.8	261.0	253.7	7.36	35.473		
1,800.0	1,797.1	1,768.0	1,758.7	4.0	4.8	-147.51	46.9	-233.6	284.1	276.3	7.82	36.330		
1,900.0	1,896.3	1,865.2	1,855.2	4.3	5.1	-148.24	50.7	-245.5	307.2	298.9	8.29	37.077		
2,000.0	1,995.5	1,962.4	1,951.6	4.6	5.4	-148.87	54.6	-257.3	330.4	321.6	8.76	37.733		
2,100.0	2,094.6	2,059.6	2,048.0	4.8	5.7	-149.42	58.4	-269.1	353.6	344.4	9.23	38.313		
2,200.0	2,193.8	2,156.8	2,144.4	5.1	6.0	-149.90	62.3	-280.9	376.8	367.1	9.70	38.829		
2,300.0	2,293.0	2,254.1	2,240.8	5.4	6.3	-150.33	66.1	-292.8	400.1	389.9	10.18	39.290		
2,400.0	2,392.2	2,351.3	2,337.3	5.7	6.7	-150.71	70.0	-304.6	423.3	412.7	10.66	39.706		
2,500.0	2,491.4	2,448.5	2,433.7	6.0	7.0	-151.05	73.8	-316.4	446.6	435.5	11.14	40.081		
2,600.0	2,590.6	2,545.7	2,530.1	6.3	7.3	-151.35	77.7	-328.2	469.9	458.3	11.63	40.421		
2,700.0	2,689.7	2,642.9	2,626.5	6.6	7.6	-151.63	81.5	-340.0	493.2	481.1	12.11	40.731		
2,800.0	2,788.9	2,740.2	2,723.0	7.0	7.9	-151.88	85.4	-351.9	516.5	504.0	12.59	41.015		
2,900.0	2,888.1	2,837.4	2,819.4	7.3	8.3	-152.11	89.2	-363.7	539.9	526.8	13.08	41.276		
3,000.0	2,987.3	2,934.6	2,915.8	7.6	8.6	-152.32	93.1	-375.5	563.2	549.6	13.57	41.516		
3,100.0	3,086.5	3,031.8	3,012.2	7.9	8.9	-152.52	96.9	-387.3	586.6	572.5	14.05	41.737		
3,200.0	3,185.6	3,129.0	3,108.6	8.2	9.2	-152.70	100.8	-399.1	609.9	595.4	14.54	41.942		
3,300.0	3,284.8	3,226.2	3,205.1	8.5	9.5	-152.86	104.6	-411.0	633.3	618.2	15.03	42.133		
3,400.0	3,384.0	3,323.5	3,301.5	8.8	9.9	-153.02	108.5	-422.8	656.6	641.1	15.52	42.310		
3,500.0	3,483.2	3,420.7	3,397.9	9.1	10.2	-153.16	112.3	-434.6	680.0	664.0	16.01	42.476		
3,600.0	3,582.4	3,517.9	3,494.3	9.5	10.5	-153.29	116.2	-446.4	703.3	686.8	16.50	42.630		
3,700.0	3,681.6	3,615.1	3,590.7	9.8	10.8	-153.42	120.0	-458.3	726.7	709.7	16.99	42.775		
3,800.0	3,780.7	3,712.3	3,687.2	10.1	11.1	-153.54	123.9	-470.1	750.1	732.6	17.48	42.911		
3,900.0	3,879.9	3,809.6	3,783.6	10.4	11.5	-153.65	127.7	-481.9	773.5	755.5	17.97	43.039		
4,000.0	3,979.1	3,906.8	3,880.0	10.7	11.8	-153.75	131.6	-493.7	796.8	778.4	18.46	43.160		
4,100.0	4,078.3	4,004.0	3,976.4	11.1	12.1	-153.85	135.4	-505.5	820.2	801.3	18.95	43.274		
4,200.0	4,177.5	4,101.2	4,072.8	11.4	12.4	-153.94	139.3	-517.4	843.6	824.2	19.45	43.381		
4,300.0	4,276.7	4,198.4	4,169.3	11.7	12.7	-154.03	143.1	-529.2	867.0	847.1	19.94	43.482		
4,400.0	4,375.9	4,295.7	4,265.7	12.0	13.1	-154.19	147.0	-541.0	890.1	869.7	20.45	43.527		
4,500.0	4,475.4	4,393.6	4,362.8	12.2	13.4	-154.36	150.8	-552.9	910.7	889.7	20.95	43.476		
4,600.0	4,575.2	4,492.0	4,460.4	12.4	13.7	-154.41	154.7	-564.9	928.2	906.8	21.42	43.336		
4,700.0	4,675.2	4,590.9	4,558.5	12.6	14.0	-154.34	158.6	-576.9	942.6	920.7	21.86	43.114		
4,800.0	4,775.2	4,690.1	4,656.9	12.8	14.4	-91.31	162.6	-589.0	954.7	932.4	22.29	42.827		
4,900.0	4,875.2	4,789.3	4,755.2	12.9	14.7	-91.06	166.5	-601.0	966.8	944.1	22.74	42.519		
5,000.0	4,975.2	4,898.1	4,863.2	13.1	15.0	-90.79	170.8	-614.1	978.8	955.6	23.20	42.189		
5,100.0	5,075.2	5,045.7	5,010.1	13.3	15.3	-90.54	175.0	-627.0	987.5	963.9	23.68	41.705		

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

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Young 01N-65W-28-8N
Project:	SEC.28-T1N-R65W	TVD Reference:	WELL @ 5086.0ft (Original Well Elev)
Reference Site:	Young 01N-65W-28 Pad Sec.28-T1N-R65W	MD Reference:	WELL @ 5086.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Young 01N-65W-28-8N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (9-2-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	5,175.2	5,194.3	5,158.6	13.5	15.6	-90.43	176.8	-632.7	991.4	967.2	24.14	41.066	
5,300.0	5,275.2	5,307.9	5,272.2	13.7	15.7	-90.42	176.9	-633.0	991.6	967.0	24.55	40.395	
5,400.0	5,375.2	5,407.9	5,372.2	13.8	15.9	-90.42	176.9	-633.0	991.6	966.6	24.94	39.753	
5,500.0	5,475.2	5,507.9	5,472.2	14.0	16.1	-90.42	176.9	-633.0	991.6	966.2	25.34	39.129	
5,600.0	5,575.2	5,607.9	5,572.2	14.2	16.2	-90.42	176.9	-633.0	991.6	965.8	25.74	38.522	
5,700.0	5,675.2	5,707.9	5,672.2	14.4	16.4	-90.42	176.9	-633.0	991.6	965.4	26.14	37.930	
5,800.0	5,775.2	5,807.9	5,772.2	14.6	16.6	-90.42	176.9	-633.0	991.6	965.0	26.54	37.355	
5,900.0	5,875.2	5,907.9	5,872.2	14.8	16.7	-90.42	176.9	-633.0	991.6	964.6	26.95	36.795	
6,000.0	5,975.2	6,007.9	5,972.2	15.0	16.9	-90.42	176.9	-633.0	991.6	964.2	27.35	36.249	
6,100.0	6,075.2	6,107.9	6,072.2	15.2	17.1	-90.42	176.9	-633.0	991.6	963.8	27.76	35.718	
6,200.0	6,175.2	6,207.9	6,172.2	15.4	17.2	-90.42	176.9	-633.0	991.6	963.4	28.17	35.200	
6,300.0	6,275.2	6,307.9	6,272.2	15.6	17.4	-90.42	176.9	-633.0	991.6	963.0	28.58	34.696	
6,400.0	6,375.2	6,407.9	6,372.2	15.7	17.6	-90.42	176.9	-633.0	991.6	962.6	28.99	34.204	
6,500.0	6,475.2	6,507.9	6,472.2	15.9	17.7	-90.42	176.9	-633.0	991.6	962.2	29.40	33.725	
6,600.0	6,575.2	6,607.9	6,572.2	16.1	17.9	-90.42	176.9	-633.0	991.6	961.7	29.81	33.258	
6,700.0	6,675.2	6,707.9	6,672.2	16.3	18.1	-90.42	176.9	-633.0	991.6	961.3	30.23	32.803	
6,800.0	6,775.2	6,807.9	6,771.7	16.5	18.3	89.58	176.1	-633.0	991.6	960.9	30.62	32.378	
6,900.0	6,873.9	6,906.1	6,869.1	16.6	18.4	89.58	161.2	-633.0	991.6	960.7	30.86	32.127	
7,000.0	6,967.9	7,004.7	6,961.9	16.7	18.4	89.60	128.3	-633.0	991.6	960.6	31.00	31.988	
7,100.0	7,053.7	7,103.4	7,047.0	16.8	18.5	89.63	78.4	-633.0	991.5	960.4	31.11	31.877	
7,200.0	7,128.2	7,202.3	7,121.2	16.8	18.6	89.68	13.3	-633.0	991.5	960.2	31.29	31.686	
7,300.0	7,188.7	7,301.4	7,181.9	16.9	18.6	89.74	-64.7	-633.0	991.5	959.9	31.68	31.299	
7,400.0	7,232.9	7,400.6	7,226.8	17.1	18.8	89.81	-153.1	-633.0	991.5	959.2	32.37	30.635	
7,482.0	7,255.9	7,482.2	7,250.7	17.4	19.1	89.87	-231.0	-633.0	991.5	958.3	33.21	29.856	
7,500.0	7,259.2	7,500.0	7,254.2	17.5	19.1	89.88	-248.4	-633.0	991.5	958.1	33.40	29.682	
7,600.0	7,266.8	7,599.8	7,263.1	18.1	19.6	89.96	-347.7	-633.0	991.5	956.7	34.79	28.497	
7,700.0	7,266.3	7,699.8	7,262.6	18.9	20.3	89.96	-447.7	-633.0	991.5	955.0	36.51	27.155	
7,800.0	7,265.8	7,799.8	7,262.1	19.9	21.2	89.96	-547.7	-633.0	991.5	953.0	38.54	25.728	
7,900.0	7,265.3	7,899.8	7,261.6	21.0	22.2	89.96	-647.7	-633.0	991.5	950.7	40.82	24.288	
8,000.0	7,264.8	7,999.8	7,261.2	22.2	23.3	89.96	-747.7	-633.0	991.5	948.2	43.33	22.884	
8,100.0	7,264.3	8,099.8	7,260.7	23.5	24.6	89.96	-847.7	-633.0	991.5	945.5	46.01	21.548	
8,200.0	7,263.8	8,199.8	7,260.2	24.9	25.9	89.97	-947.7	-633.0	991.5	942.7	48.85	20.295	
8,300.0	7,263.3	8,299.8	7,259.8	26.4	27.3	89.97	-1,047.7	-633.0	991.5	939.7	51.82	19.133	
8,400.0	7,262.9	8,399.8	7,259.3	27.9	28.8	89.97	-1,147.7	-633.0	991.5	936.6	54.90	18.062	
8,500.0	7,262.4	8,499.8	7,258.8	29.5	30.3	89.97	-1,247.7	-633.0	991.5	933.5	58.06	17.077	
8,600.0	7,261.9	8,599.8	7,258.3	31.1	31.9	89.97	-1,347.7	-633.0	991.5	930.2	61.30	16.174	
8,700.0	7,261.4	8,699.8	7,257.9	32.7	33.5	89.97	-1,447.7	-633.0	991.5	926.9	64.61	15.347	
8,800.0	7,260.9	8,799.8	7,257.4	34.3	35.1	89.97	-1,547.7	-633.0	991.5	923.6	67.97	14.588	
8,900.0	7,260.4	8,899.8	7,256.9	36.0	36.7	89.97	-1,647.7	-633.0	991.5	920.2	71.38	13.892	
9,000.0	7,259.9	8,999.8	7,256.5	37.7	38.4	89.97	-1,747.7	-633.0	991.5	916.7	74.82	13.251	
9,100.0	7,259.4	9,099.8	7,256.0	39.5	40.1	89.97	-1,847.7	-633.0	991.5	913.2	78.31	12.662	
9,200.0	7,258.9	9,199.8	7,255.5	41.2	41.8	89.98	-1,947.7	-633.0	991.5	909.7	81.82	12.118	
9,300.0	7,258.5	9,299.8	7,255.0	43.0	43.6	89.98	-2,047.7	-633.0	991.5	906.2	85.37	11.615	
9,400.0	7,258.0	9,399.8	7,254.6	44.7	45.3	89.98	-2,147.7	-633.0	991.5	902.6	88.93	11.149	
9,500.0	7,257.5	9,499.8	7,254.1	46.5	47.1	89.98	-2,247.7	-633.0	991.5	899.0	92.52	10.717	
9,600.0	7,257.0	9,599.8	7,253.6	48.3	48.9	89.98	-2,347.7	-633.0	991.5	895.4	96.13	10.315	
9,700.0	7,256.5	9,699.8	7,253.2	50.1	50.6	89.98	-2,447.7	-633.0	991.5	891.8	99.75	9.940	
9,800.0	7,256.0	9,799.8	7,252.7	51.9	52.4	89.98	-2,547.7	-633.0	991.5	888.1	103.39	9.590	
9,900.0	7,255.5	9,899.8	7,252.2	53.7	54.2	89.98	-2,647.7	-633.0	991.5	884.5	107.04	9.263	
10,000.0	7,255.0	9,999.8	7,251.8	55.6	56.0	89.98	-2,747.7	-633.0	991.5	880.8	110.70	8.957	
10,100.0	7,254.6	10,099.8	7,251.3	57.4	57.9	89.98	-2,847.7	-633.0	991.5	877.1	114.38	8.669	
10,200.0	7,254.1	10,199.8	7,250.8	59.2	59.7	89.99	-2,947.7	-633.0	991.5	873.5	118.06	8.398	

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

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Young 01N-65W-28-8N
Project:	SEC.28-T1N-R65W	TVD Reference:	WELL @ 5086.0ft (Original Well Elev)
Reference Site:	Young 01N-65W-28 Pad Sec.28-T1N-R65W	MD Reference:	WELL @ 5086.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Young 01N-65W-28-8N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (9-2-14)	Offset TVD Reference:	Offset Datum

Offset Design Young 01N-65W-28 Pad Sec.28-T1N-R65W - Young 01N-65W-28-2N - Wellbore #1 - Plan #1 (8-29-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,300.0	7,253.6	10,299.8	7,250.3	61.1	61.5	89.99	-3,047.7	-633.0	991.5	869.8	121.76	8.144	
10,400.0	7,253.1	10,399.8	7,249.9	62.9	63.3	89.99	-3,147.7	-633.0	991.5	866.1	125.46	7.903	
10,500.0	7,252.6	10,499.8	7,249.4	64.8	65.2	89.99	-3,247.7	-633.0	991.5	862.4	129.17	7.676	
10,600.0	7,252.1	10,599.8	7,248.9	66.6	67.0	89.99	-3,347.7	-633.0	991.5	858.6	132.88	7.462	
10,700.0	7,251.6	10,699.8	7,248.5	68.5	68.9	89.99	-3,447.7	-633.0	991.5	854.9	136.61	7.258	
10,800.0	7,251.1	10,799.8	7,248.0	70.3	70.7	89.99	-3,547.7	-633.0	991.5	851.2	140.33	7.065	
10,900.0	7,250.6	10,899.8	7,247.5	72.2	72.6	89.99	-3,647.7	-633.0	991.5	847.5	144.07	6.882	
11,000.0	7,250.2	10,999.8	7,247.0	74.1	74.4	89.99	-3,747.7	-633.0	991.5	843.7	147.81	6.708	
11,100.0	7,249.7	11,099.8	7,246.6	75.9	76.3	89.99	-3,847.7	-633.0	991.5	840.0	151.55	6.543	
11,200.0	7,249.2	11,199.8	7,246.1	77.8	78.2	90.00	-3,947.7	-633.0	991.5	836.2	155.30	6.385	
11,300.0	7,248.7	11,299.8	7,245.6	79.7	80.0	90.00	-4,047.7	-633.0	991.5	832.5	159.05	6.234	
11,400.0	7,248.2	11,399.8	7,245.2	81.5	81.9	90.00	-4,147.7	-633.0	991.5	828.7	162.80	6.090	
11,500.0	7,247.7	11,499.8	7,244.7	83.4	83.8	90.00	-4,247.7	-633.0	991.5	825.0	166.56	5.953	
11,600.0	7,247.2	11,599.8	7,244.2	85.3	85.6	90.00	-4,347.7	-633.0	991.5	821.2	170.32	5.821	
11,640.1	7,247.0	11,640.0	7,244.0	86.1	86.4	90.00	-4,387.8	-633.0	991.5	819.7	171.84	5.770	
11,700.0	7,246.7	11,699.8	7,243.7	87.2	87.5	90.00	-4,447.7	-633.0	991.5	817.4	174.09	5.696	
11,800.0	7,246.2	11,799.8	7,243.3	89.1	89.4	90.00	-4,547.7	-633.0	991.5	813.7	177.86	5.575	
11,849.6	7,246.0	11,849.5	7,243.0	89.8	90.3	90.00	-4,597.3	-633.0	991.5	812.0	179.55	5.522 SF	

Young 01N-65W-28 Pad Sec.28-T1N-R65W - Young 01N-65W-28-3N - Wellbore #1 - Plan #1 (8-29-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
0.0	0.0	0.0	0.0	0.0	0.0	-90.01	0.0	-75.6	75.6					
100.0	100.0	98.0	98.0	0.1	0.1	-90.01	0.0	-75.6	75.6	75.4	0.22	339.796		
200.0	200.0	198.0	198.0	0.3	0.3	-90.01	0.0	-75.6	75.6	74.9	0.67	112.887		
300.0	300.0	298.0	298.0	0.6	0.6	-90.01	0.0	-75.6	75.6	74.5	1.12	67.551		
400.0	400.0	398.0	398.0	0.8	0.8	-90.01	0.0	-75.6	75.6	74.0	1.57	48.195		
500.0	500.0	498.0	498.0	1.0	1.0	-90.01	0.0	-75.6	75.6	73.6	2.02	37.461		
600.0	600.0	598.0	598.0	1.2	1.2	-90.01	0.0	-75.6	75.6	73.1	2.47	30.638		
700.0	700.0	698.0	698.0	1.5	1.5	-90.01	0.0	-75.6	75.6	72.7	2.92	25.917		
800.0	800.0	798.0	798.0	1.7	1.7	-90.01	0.0	-75.6	75.6	72.2	3.37	22.457		
900.0	900.0	898.0	898.0	1.9	1.9	-90.01	0.0	-75.6	75.6	71.8	3.82	19.812		
1,000.0	1,000.0	998.0	998.0	2.1	2.1	-90.01	0.0	-75.6	75.6	71.3	4.27	17.724 CC, ES		
1,100.0	1,100.0	1,095.7	1,095.6	2.4	2.3	-89.52	0.6	-77.1	77.1	72.4	4.70	16.394		
1,200.0	1,200.0	1,193.1	1,192.9	2.6	2.6	-88.13	2.7	-81.5	81.7	76.6	5.14	15.910		
1,300.0	1,300.0	1,289.9	1,289.4	2.8	2.8	-149.40	6.0	-89.0	91.1	85.5	5.57	16.366		
1,400.0	1,399.8	1,386.6	1,385.5	3.0	3.0	-148.46	10.6	-99.2	106.4	100.4	5.99	17.755		
1,500.0	1,499.5	1,484.8	1,482.9	3.2	3.3	-148.40	15.6	-110.3	125.4	119.0	6.42	19.544		
1,600.0	1,598.7	1,582.4	1,579.7	3.5	3.5	-149.04	20.6	-121.3	147.2	140.3	6.84	21.503		
1,700.0	1,697.9	1,679.8	1,676.4	3.7	3.8	-149.76	25.6	-132.3	169.6	162.3	7.29	23.278		
1,800.0	1,797.1	1,777.2	1,773.1	4.0	4.1	-150.31	30.5	-143.3	192.0	184.3	7.73	24.828		
1,900.0	1,896.3	1,874.7	1,869.7	4.3	4.4	-150.75	35.5	-154.4	214.5	206.3	8.19	26.186		
2,000.0	1,995.5	1,972.1	1,966.4	4.6	4.6	-151.11	40.5	-165.4	237.0	228.3	8.65	27.391		
2,100.0	2,094.6	2,069.5	2,063.1	4.8	4.9	-151.40	45.4	-176.4	259.5	250.3	9.12	28.459		
2,200.0	2,193.8	2,167.0	2,159.8	5.1	5.2	-151.65	50.4	-187.4	282.0	272.4	9.59	29.412		
2,300.0	2,293.0	2,264.4	2,256.5	5.4	5.5	-151.86	55.4	-198.4	304.4	294.4	10.06	30.267		
2,400.0	2,392.2	2,361.8	2,353.1	5.7	5.8	-152.04	60.3	-209.4	326.9	316.4	10.53	31.038		
2,500.0	2,491.4	2,459.2	2,449.8	6.0	6.1	-152.19	65.3	-220.4	349.4	338.4	11.01	31.735		
2,600.0	2,590.6	2,556.7	2,546.5	6.3	6.4	-152.33	70.3	-231.4	371.9	360.4	11.49	32.368		
2,700.0	2,689.7	2,654.1	2,643.2	6.6	6.7	-152.46	75.2	-242.4	394.4	382.5	11.97	32.946		
2,800.0	2,788.9	2,751.5	2,739.9	7.0	7.0	-152.57	80.2	-253.4	416.9	404.5	12.46	33.474		
2,900.0	2,888.1	2,849.0	2,836.5	7.3	7.3	-152.66	85.2	-264.5	439.4	426.5	12.94	33.960		
3,000.0	2,987.3	2,946.4	2,933.2	7.6	7.6	-152.75	90.1	-275.5	462.0	448.5	13.43	34.407		
3,100.0	3,086.5	3,043.8	3,029.9	7.9	7.9	-152.83	95.1	-286.5	484.5	470.5	13.91	34.820		
3,200.0	3,185.6	3,141.3	3,126.6	8.2	8.2	-152.91	100.1	-297.5	507.0	492.6	14.40	35.202		
3,300.0	3,284.8	3,238.7	3,223.3	8.5	8.6	-152.97	105.0	-308.5	529.5	514.6	14.89	35.557		
3,400.0	3,384.0	3,336.1	3,319.9	8.8	8.9	-153.04	110.0	-319.5	552.0	536.6	15.38	35.888		
3,500.0	3,483.2	3,433.6	3,416.6	9.1	9.2	-153.09	115.0	-330.5	574.5	558.6	15.87	36.196		
3,600.0	3,582.4	3,531.0	3,513.3	9.5	9.5	-153.15	119.9	-341.5	597.0	580.6	16.36	36.484		
3,700.0	3,681.6	3,628.4	3,610.0	9.8	9.8	-153.19	124.9	-352.5	619.5	602.7	16.86	36.754		
3,800.0	3,780.7	3,725.9	3,706.7	10.1	10.1	-153.24	129.9	-363.5	642.0	624.7	17.35	37.007		
3,900.0	3,879.9	3,823.3	3,803.4	10.4	10.4	-153.28	134.8	-374.6	664.5	646.7	17.84	37.246		
4,000.0	3,979.1	3,920.7	3,900.0	10.7	10.7	-153.32	139.8	-385.6	687.0	668.7	18.34	37.470		
4,100.0	4,078.3	4,018.2	3,996.7	11.1	11.0	-153.36	144.8	-396.6	709.6	690.7	18.83	37.681		
4,200.0	4,177.5	4,115.6	4,093.4	11.4	11.3	-153.39	149.7	-407.6	732.1	712.7	19.33	37.881		
4,300.0	4,276.7	4,213.0	4,190.1	11.7	11.7	-153.43	154.7	-418.6	754.6	734.8	19.82	38.070		
4,400.0	4,375.9	4,310.5	4,286.8	12.0	12.0	-153.53	159.7	-429.6	776.8	756.5	20.33	38.209		
4,500.0	4,475.4	4,408.5	4,384.1	12.2	12.3	-153.63	164.7	-440.7	796.5	775.7	20.82	38.255		
4,600.0	4,575.2	4,520.0	4,494.8	12.4	12.6	-153.58	170.2	-452.9	812.9	791.6	21.30	38.161		
4,700.0	4,675.2	4,654.2	4,628.5	12.6	12.9	-153.45	174.8	-463.1	822.8	801.0	21.75	37.828		
4,800.0	4,775.2	4,789.5	4,763.7	12.8	13.1	-90.51	176.8	-467.5	826.1	804.0	22.18	37.256		
4,900.0	4,875.2	4,899.0	4,873.2	12.9	13.3	-90.51	176.9	-467.7	826.3	803.7	22.57	36.604		
5,000.0	4,975.2	4,999.0	4,973.2	13.1	13.5	-90.51	176.9	-467.7	826.3	803.3	22.97	35.966		
5,100.0	5,075.2	5,099.0	5,073.2	13.3	13.6	-90.51	176.9	-467.7	826.3	802.9	23.38	35.346		

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Young 01N-65W-28-8N
Project:	SEC.28-T1N-R65W	TVD Reference:	WELL @ 5086.0ft (Original Well Elev)
Reference Site:	Young 01N-65W-28 Pad Sec.28-T1N-R65W	MD Reference:	WELL @ 5086.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Young 01N-65W-28-8N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (9-2-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	5,175.2	5,199.0	5,173.2	13.5	13.8	-90.51	176.9	-467.7	826.3	802.5	23.78	34.746	
5,300.0	5,275.2	5,299.0	5,273.2	13.7	14.0	-90.51	176.9	-467.7	826.3	802.1	24.19	34.163	
5,400.0	5,375.2	5,399.0	5,373.2	13.8	14.2	-90.51	176.9	-467.7	826.3	801.7	24.59	33.597	
5,500.0	5,475.2	5,499.0	5,473.2	14.0	14.4	-90.51	176.9	-467.7	826.3	801.3	25.00	33.048	
5,600.0	5,575.2	5,599.0	5,573.2	14.2	14.5	-90.51	176.9	-467.7	826.3	800.9	25.41	32.514	
5,700.0	5,675.2	5,699.0	5,673.2	14.4	14.7	-90.51	176.9	-467.7	826.3	800.5	25.83	31.996	
5,800.0	5,775.2	5,799.0	5,773.2	14.6	14.9	-90.51	176.9	-467.7	826.3	800.1	26.24	31.493	
5,900.0	5,875.2	5,899.0	5,873.2	14.8	15.1	-90.51	176.9	-467.7	826.3	799.7	26.65	31.004	
6,000.0	5,975.2	5,999.0	5,973.2	15.0	15.3	-90.51	176.9	-467.7	826.3	799.2	27.07	30.528	
6,100.0	6,075.2	6,099.0	6,073.2	15.2	15.5	-90.51	176.9	-467.7	826.3	798.8	27.48	30.066	
6,200.0	6,175.2	6,199.0	6,173.2	15.4	15.7	-90.51	176.9	-467.7	826.3	798.4	27.90	29.617	
6,300.0	6,275.2	6,299.0	6,273.2	15.6	15.8	-90.51	176.9	-467.7	826.3	798.0	28.32	29.179	
6,400.0	6,375.2	6,399.0	6,373.2	15.7	16.0	-90.51	176.9	-467.7	826.3	797.6	28.74	28.754	
6,500.0	6,475.2	6,499.0	6,473.2	15.9	16.2	-90.51	176.9	-467.7	826.3	797.1	29.16	28.340	
6,600.0	6,575.2	6,599.0	6,573.2	16.1	16.4	-90.51	176.9	-467.7	826.3	796.7	29.58	27.936	
6,700.0	6,675.2	6,699.0	6,673.2	16.3	16.6	-90.51	176.9	-467.7	826.3	796.3	30.00	27.544	
6,800.0	6,775.2	6,798.6	6,772.7	16.5	16.8	89.49	176.1	-467.7	826.3	795.9	30.40	27.177	
6,900.0	6,873.9	6,897.2	6,870.1	16.6	16.9	89.50	161.2	-467.7	826.3	795.7	30.64	26.968	
7,000.0	6,967.9	6,995.9	6,962.9	16.7	17.0	89.52	128.3	-467.7	826.3	795.5	30.77	26.853	
7,100.0	7,053.7	7,094.6	7,048.0	16.8	17.1	89.56	78.4	-467.7	826.3	795.4	30.87	26.763	
7,200.0	7,128.2	7,193.5	7,122.2	16.8	17.1	89.62	13.3	-467.7	826.3	795.2	31.06	26.604	
7,300.0	7,188.7	7,292.5	7,182.9	16.9	17.2	89.69	-64.7	-467.7	826.3	794.8	31.44	26.277	
7,400.0	7,232.9	7,391.8	7,227.8	17.1	17.4	89.77	-153.1	-467.7	826.3	794.1	32.13	25.716	
7,500.0	7,259.2	7,491.2	7,255.3	17.5	17.7	89.86	-248.5	-467.7	826.3	793.1	33.17	24.908	
7,600.0	7,266.8	7,591.0	7,264.1	18.1	18.3	89.95	-347.7	-467.7	826.3	791.7	34.56	23.906	
7,700.0	7,266.3	7,691.0	7,263.6	18.9	19.1	89.95	-447.7	-467.7	826.3	790.0	36.30	22.765	
7,800.0	7,265.8	7,791.0	7,263.1	19.9	20.0	89.95	-547.7	-467.7	826.3	787.9	38.33	21.558	
7,900.0	7,265.3	7,891.0	7,262.6	21.0	21.1	89.95	-647.7	-467.7	826.3	785.7	40.62	20.342	
8,000.0	7,264.8	7,991.0	7,262.2	22.2	22.3	89.96	-747.7	-467.7	826.3	783.1	43.13	19.157	
8,100.0	7,264.3	8,091.0	7,261.7	23.5	23.7	89.96	-847.7	-467.7	826.3	780.4	45.83	18.031	
8,200.0	7,263.8	8,191.0	7,261.2	24.9	25.0	89.96	-947.7	-467.7	826.3	777.6	48.67	16.976	
8,300.0	7,263.3	8,291.0	7,260.8	26.4	26.5	89.96	-1,047.7	-467.7	826.3	774.6	51.65	15.998	
8,400.0	7,262.9	8,391.0	7,260.3	27.9	28.0	89.96	-1,147.7	-467.7	826.3	771.5	54.73	15.098	
8,500.0	7,262.4	8,491.0	7,259.8	29.5	29.5	89.96	-1,247.7	-467.7	826.3	768.4	57.90	14.271	
8,600.0	7,261.9	8,591.0	7,259.3	31.1	31.1	89.96	-1,347.7	-467.7	826.3	765.1	61.15	13.513	
8,700.0	7,261.4	8,691.0	7,258.9	32.7	32.8	89.96	-1,447.7	-467.7	826.3	761.8	64.46	12.819	
8,800.0	7,260.9	8,791.0	7,258.4	34.3	34.4	89.97	-1,547.7	-467.7	826.3	758.5	67.82	12.183	
8,900.0	7,260.4	8,891.0	7,257.9	36.0	36.1	89.97	-1,647.7	-467.7	826.3	755.0	71.23	11.599	
9,000.0	7,259.9	8,991.0	7,257.5	37.7	37.8	89.97	-1,747.7	-467.7	826.3	751.6	74.69	11.063	
9,100.0	7,259.4	9,091.0	7,257.0	39.5	39.5	89.97	-1,847.7	-467.7	826.3	748.1	78.17	10.570	
9,200.0	7,258.9	9,191.0	7,256.5	41.2	41.3	89.97	-1,947.7	-467.7	826.3	744.6	81.69	10.114	
9,300.0	7,258.5	9,291.0	7,256.0	43.0	43.0	89.97	-2,047.7	-467.7	826.3	741.0	85.24	9.694	
9,400.0	7,258.0	9,391.0	7,255.6	44.7	44.8	89.97	-2,147.7	-467.7	826.3	737.5	88.81	9.304	
9,500.0	7,257.5	9,491.0	7,255.1	46.5	46.6	89.97	-2,247.7	-467.7	826.3	733.9	92.40	8.942	
9,600.0	7,257.0	9,591.0	7,254.6	48.3	48.4	89.98	-2,347.7	-467.7	826.3	730.3	96.01	8.606	
9,700.0	7,256.5	9,691.0	7,254.2	50.1	50.2	89.98	-2,447.7	-467.7	826.3	726.6	99.63	8.293	
9,800.0	7,256.0	9,791.0	7,253.7	51.9	52.0	89.98	-2,547.7	-467.7	826.3	723.0	103.27	8.001	
9,900.0	7,255.5	9,891.0	7,253.2	53.7	53.8	89.98	-2,647.7	-467.7	826.3	719.3	106.93	7.727	
10,000.0	7,255.0	9,991.0	7,252.8	55.6	55.6	89.98	-2,747.7	-467.7	826.3	715.7	110.59	7.471	
10,100.0	7,254.6	10,091.0	7,252.3	57.4	57.4	89.98	-2,847.7	-467.7	826.3	712.0	114.27	7.231	
10,200.0	7,254.1	10,191.0	7,251.8	59.2	59.3	89.98	-2,947.7	-467.7	826.3	708.3	117.96	7.005	
10,300.0	7,253.6	10,291.0	7,251.3	61.1	61.1	89.98	-3,047.7	-467.7	826.3	704.6	121.65	6.792	

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

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Young 01N-65W-28-8N
Project:	SEC.28-T1N-R65W	TVD Reference:	WELL @ 5086.0ft (Original Well Elev)
Reference Site:	Young 01N-65W-28 Pad Sec.28-T1N-R65W	MD Reference:	WELL @ 5086.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Young 01N-65W-28-8N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (9-2-14)	Offset TVD Reference:	Offset Datum

Offset Design Young 01N-65W-28 Pad Sec.28-T1N-R65W - Young 01N-65W-28-3N - Wellbore #1 - Plan #1 (8-29-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,400.0	7,253.1	10,391.0	7,250.9	62.9	63.0	89.98	-3,147.7	-467.7	826.3	700.9	125.36	6.591	
10,500.0	7,252.6	10,491.0	7,250.4	64.8	64.8	89.99	-3,247.7	-467.7	826.3	697.2	129.07	6.402	
10,600.0	7,252.1	10,591.0	7,249.9	66.6	66.7	89.99	-3,347.7	-467.7	826.3	693.5	132.78	6.223	
10,700.0	7,251.6	10,691.0	7,249.5	68.5	68.5	89.99	-3,447.7	-467.7	826.3	689.8	136.51	6.053	
10,800.0	7,251.1	10,791.0	7,249.0	70.3	70.4	89.99	-3,547.7	-467.7	826.3	686.0	140.24	5.892	
10,900.0	7,250.6	10,891.0	7,248.5	72.2	72.2	89.99	-3,647.7	-467.7	826.3	682.3	143.97	5.739	
11,000.0	7,250.2	10,991.0	7,248.0	74.1	74.1	89.99	-3,747.7	-467.7	826.3	678.6	147.71	5.594	
11,100.0	7,249.7	11,091.0	7,247.6	75.9	76.0	89.99	-3,847.7	-467.7	826.3	674.8	151.46	5.455	
11,200.0	7,249.2	11,191.0	7,247.1	77.8	77.8	89.99	-3,947.7	-467.7	826.3	671.1	155.21	5.324	
11,300.0	7,248.7	11,291.0	7,246.6	79.7	79.7	90.00	-4,047.7	-467.7	826.3	667.3	158.96	5.198	
11,400.0	7,248.2	11,391.0	7,246.2	81.5	81.6	90.00	-4,147.7	-467.7	826.3	663.6	162.72	5.078	
11,500.0	7,247.7	11,491.0	7,245.7	83.4	83.5	90.00	-4,247.7	-467.7	826.3	659.8	166.48	4.963	
11,600.0	7,247.2	11,591.0	7,245.2	85.3	85.3	90.00	-4,347.7	-467.7	826.3	656.0	170.24	4.854	
11,647.8	7,247.0	11,638.8	7,245.0	86.2	86.2	90.00	-4,395.5	-467.7	826.3	654.2	172.04	4.803	
11,700.0	7,246.7	11,691.0	7,244.7	87.2	87.2	90.00	-4,447.7	-467.7	826.3	652.3	174.00	4.749	
11,800.0	7,246.2	11,791.0	7,244.3	89.1	89.1	90.00	-4,547.7	-467.7	826.3	648.5	177.77	4.648	
11,849.6	7,246.0	11,840.6	7,244.0	89.8	90.0	90.00	-4,597.3	-467.7	826.3	646.8	179.47	4.604 SF	

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Young 01N-65W-28-8N
Project:	SEC.28-T1N-R65W	TVD Reference:	WELL @ 5086.0ft (Original Well Elev)
Reference Site:	Young 01N-65W-28 Pad Sec.28-T1N-R65W	MD Reference:	WELL @ 5086.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Young 01N-65W-28-8N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (9-2-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance		Minimum		Separation		Warning				
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-90.00	0.0	-58.8	58.8					
100.0	100.0	98.0	98.0	0.1	0.1	-90.00	0.0	-58.8	58.8	58.6	0.22	264.286		
200.0	200.0	198.0	198.0	0.3	0.3	-90.00	0.0	-58.8	58.8	58.1	0.67	87.801		
300.0	300.0	298.0	298.0	0.6	0.6	-90.00	0.0	-58.8	58.8	57.7	1.12	52.540		
400.0	400.0	398.0	398.0	0.8	0.8	-90.00	0.0	-58.8	58.8	57.2	1.57	37.485		
500.0	500.0	498.0	498.0	1.0	1.0	-90.00	0.0	-58.8	58.8	56.8	2.02	29.137		
600.0	600.0	598.0	598.0	1.2	1.2	-90.00	0.0	-58.8	58.8	56.3	2.47	23.829		
700.0	700.0	698.0	698.0	1.5	1.5	-90.00	0.0	-58.8	58.8	55.9	2.92	20.158		
800.0	800.0	798.0	798.0	1.7	1.7	-90.00	0.0	-58.8	58.8	55.4	3.37	17.466		
900.0	900.0	898.0	898.0	1.9	1.9	-90.00	0.0	-58.8	58.8	55.0	3.82	15.409		
1,000.0	1,000.0	998.0	998.0	2.1	2.1	-90.00	0.0	-58.8	58.8	54.5	4.27	13.785		
1,100.0	1,100.0	1,098.0	1,098.0	2.4	2.4	-90.00	0.0	-58.8	58.8	54.1	4.72	12.471		
1,200.0	1,200.0	1,198.0	1,198.0	2.6	2.6	-90.00	0.0	-58.8	58.8	53.6	5.17	11.386 CC, ES		
1,300.0	1,300.0	1,298.0	1,298.0	2.8	2.8	-153.55	0.0	-58.8	60.4	54.8	5.61	10.769		
1,400.0	1,399.8	1,397.8	1,397.8	3.0	3.0	-155.56	0.0	-58.8	65.1	59.1	6.04	10.786		
1,500.0	1,499.5	1,495.6	1,495.6	3.2	3.2	-157.44	1.0	-60.1	74.3	67.9	6.45	11.518		
1,600.0	1,598.7	1,592.4	1,592.3	3.5	3.5	-158.18	3.8	-64.0	89.2	82.3	6.87	12.976		
1,700.0	1,697.9	1,688.4	1,687.9	3.7	3.7	-157.72	8.6	-70.5	107.2	99.9	7.31	14.673		
1,800.0	1,797.1	1,784.3	1,783.1	4.0	3.9	-156.47	15.2	-79.4	127.6	119.8	7.75	16.462		
1,900.0	1,896.3	1,882.0	1,880.1	4.3	4.1	-155.35	22.4	-89.0	148.6	140.4	8.20	18.119		
2,000.0	1,995.5	1,979.7	1,977.1	4.6	4.4	-154.51	29.5	-98.7	169.6	161.0	8.66	19.594		
2,100.0	2,094.6	2,077.5	2,074.1	4.8	4.7	-153.85	36.7	-108.3	190.7	181.6	9.12	20.908		
2,200.0	2,193.8	2,175.2	2,171.1	5.1	4.9	-153.33	43.8	-118.0	211.8	202.2	9.59	22.083		
2,300.0	2,293.0	2,272.9	2,268.1	5.4	5.2	-152.90	51.0	-127.7	232.9	222.8	10.06	23.141		
2,400.0	2,392.2	2,370.7	2,365.1	5.7	5.5	-152.54	58.2	-137.3	254.0	243.5	10.54	24.094		
2,500.0	2,491.4	2,468.4	2,462.1	6.0	5.8	-152.23	65.3	-147.0	275.1	264.1	11.02	24.957		
2,600.0	2,590.6	2,566.1	2,559.1	6.3	6.0	-151.97	72.5	-156.7	296.3	284.7	11.51	25.741		
2,700.0	2,689.7	2,663.9	2,656.1	6.6	6.3	-151.75	79.6	-166.3	317.4	305.4	12.00	26.456		
2,800.0	2,788.9	2,761.6	2,753.1	7.0	6.6	-151.55	86.8	-176.0	338.5	326.0	12.49	27.111		
2,900.0	2,888.1	2,859.3	2,850.1	7.3	6.9	-151.38	93.9	-185.6	359.7	346.7	12.98	27.711		
3,000.0	2,987.3	2,957.1	2,947.0	7.6	7.2	-151.22	101.1	-195.3	380.8	367.3	13.47	28.263		
3,100.0	3,086.5	3,054.8	3,044.0	7.9	7.5	-151.08	108.3	-205.0	402.0	388.0	13.97	28.773		
3,200.0	3,185.6	3,152.5	3,141.0	8.2	7.8	-150.96	115.4	-214.6	423.1	408.6	14.47	29.245		
3,300.0	3,284.8	3,250.3	3,238.0	8.5	8.1	-150.85	122.6	-224.3	444.3	429.3	14.97	29.683		
3,400.0	3,384.0	3,348.0	3,335.0	8.8	8.4	-150.74	129.7	-233.9	465.4	449.9	15.47	30.091		
3,500.0	3,483.2	3,445.8	3,432.0	9.1	8.7	-150.65	136.9	-243.6	486.6	470.6	15.97	30.470		
3,600.0	3,582.4	3,543.5	3,529.0	9.5	9.0	-150.57	144.0	-253.3	507.7	491.3	16.47	30.825		
3,700.0	3,681.6	3,641.2	3,626.0	9.8	9.3	-150.49	151.2	-262.9	528.9	511.9	16.98	31.156		
3,800.0	3,780.7	3,739.0	3,723.0	10.1	9.6	-150.41	158.4	-272.6	550.0	532.6	17.48	31.467		
3,900.0	3,879.9	3,836.7	3,820.0	10.4	9.9	-150.35	165.5	-282.3	571.2	553.2	17.98	31.760		
4,000.0	3,979.1	3,948.8	3,931.4	10.7	10.2	-150.34	173.0	-292.3	591.5	573.0	18.49	31.990		
4,100.0	4,078.3	4,067.8	4,050.1	11.1	10.4	-150.59	178.2	-299.3	608.6	589.6	18.97	32.076		
4,200.0	4,177.5	4,188.0	4,170.2	11.4	10.6	-151.09	180.4	-302.4	622.3	602.9	19.44	32.009		
4,300.0	4,276.7	4,292.5	4,274.7	11.7	10.8	-151.67	180.5	-302.5	633.7	613.8	19.89	31.865		
4,400.0	4,375.9	4,391.7	4,373.9	12.0	11.0	-152.24	180.5	-302.5	644.7	624.3	20.35	31.679		
4,500.0	4,475.4	4,491.2	4,473.4	12.2	11.2	-152.71	180.5	-302.5	653.2	632.4	20.79	31.417		
4,600.0	4,575.2	4,591.0	4,573.2	12.4	11.4	-153.00	180.5	-302.5	658.6	637.4	21.21	31.059		
4,700.0	4,675.2	4,691.0	4,673.2	12.6	11.6	-153.12	180.5	-302.5	660.9	639.3	21.59	30.609		
4,800.0	4,775.2	4,791.0	4,773.2	12.8	11.8	-90.32	180.5	-302.5	661.0	639.0	21.98	30.072		
4,900.0	4,875.2	4,891.0	4,873.2	12.9	12.0	-90.32	180.5	-302.5	661.0	638.6	22.39	29.524		
5,000.0	4,975.2	4,991.0	4,973.2	13.1	12.2	-90.32	180.5	-302.5	661.0	638.2	22.80	28.994		
5,100.0	5,075.2	5,091.0	5,073.2	13.3	12.4	-90.32	180.5	-302.5	661.0	637.8	23.21	28.480		

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

Offset Design Young 01N-65W-28 Pad Sec.28-T1N-R65W - Young 01N-65W-28-4N - Wellbore #1 - Plan #1 (8-29-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre		Between	Between	Minimum	Separation	Warning	
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	Toolface (")	+N/-S (ft)	+E/-W (ft)	Centres (ft)	Ellipses (ft)	Separation (ft)	Factor		
5,200.0	5,175.2	5,191.0	5,173.2	13.5	12.6	-90.32	180.5	-302.5	661.0	637.4	23.62	27.983		
5,300.0	5,275.2	5,291.0	5,273.2	13.7	12.8	-90.32	180.5	-302.5	661.0	637.0	24.04	27.501		
5,400.0	5,375.2	5,391.0	5,373.2	13.8	13.0	-90.32	180.5	-302.5	661.0	636.6	24.45	27.034		
5,500.0	5,475.2	5,491.0	5,473.2	14.0	13.2	-90.32	180.5	-302.5	661.0	636.2	24.87	26.581		
5,600.0	5,575.2	5,591.0	5,573.2	14.2	13.4	-90.32	180.5	-302.5	661.0	635.7	25.29	26.143		
5,700.0	5,675.2	5,691.0	5,673.2	14.4	13.6	-90.32	180.5	-302.5	661.0	635.3	25.70	25.717		
5,800.0	5,775.2	5,791.0	5,773.2	14.6	13.8	-90.32	180.5	-302.5	661.0	634.9	26.12	25.304		
5,900.0	5,875.2	5,891.0	5,873.2	14.8	14.0	-90.32	180.5	-302.5	661.0	634.5	26.54	24.903		
6,000.0	5,975.2	5,991.0	5,973.2	15.0	14.2	-90.32	180.5	-302.5	661.0	634.1	26.97	24.514		
6,100.0	6,075.2	6,091.0	6,073.2	15.2	14.4	-90.32	180.5	-302.5	661.0	633.6	27.39	24.136		
6,200.0	6,175.2	6,191.0	6,173.2	15.4	14.6	-90.32	180.5	-302.5	661.0	633.2	27.81	23.768		
6,300.0	6,275.2	6,291.0	6,273.2	15.6	14.8	-90.32	180.5	-302.5	661.0	632.8	28.24	23.412		
6,400.0	6,375.2	6,391.0	6,373.2	15.7	15.0	-90.32	180.5	-302.5	661.0	632.4	28.66	23.065		
6,500.0	6,475.2	6,491.0	6,473.2	15.9	15.2	-90.32	180.5	-302.5	661.0	631.9	29.09	22.727		
6,600.0	6,575.2	6,591.0	6,573.2	16.1	15.4	-90.32	180.5	-302.5	661.0	631.5	29.51	22.399		
6,700.0	6,675.2	6,691.0	6,673.2	16.3	15.6	-90.32	180.5	-302.5	661.0	631.1	29.94	22.079		
6,800.0	6,775.2	6,790.8	6,773.0	16.5	15.8	89.68	179.7	-302.5	661.0	630.7	30.35	21.783		
6,900.0	6,873.9	6,890.1	6,870.9	16.6	15.9	89.67	164.6	-302.5	661.0	630.4	30.58	21.616		
7,000.0	6,967.9	6,989.4	6,964.3	16.7	16.0	89.68	131.3	-302.5	661.0	630.3	30.71	21.527		
7,100.0	7,053.7	7,088.7	7,049.7	16.8	16.1	89.70	80.8	-302.5	661.0	630.2	30.80	21.458		
7,200.0	7,128.2	7,188.1	7,124.0	16.8	16.1	89.73	15.0	-302.5	661.0	630.0	30.99	21.333		
7,300.0	7,188.7	7,287.5	7,184.5	16.9	16.2	89.78	-63.7	-302.5	661.0	629.7	31.37	21.072		
7,400.0	7,232.9	7,387.1	7,229.0	17.1	16.4	89.83	-152.6	-302.5	661.0	629.0	32.06	20.621		
7,500.0	7,259.2	7,486.8	7,255.9	17.5	16.8	89.88	-248.4	-302.5	661.0	627.9	33.10	19.970		
7,600.0	7,266.8	7,586.6	7,264.0	18.1	17.5	89.94	-347.7	-302.5	661.0	626.5	34.49	19.164		
7,700.0	7,266.3	7,686.6	7,263.6	18.9	18.4	89.94	-447.7	-302.5	661.0	624.8	36.23	18.245		
7,800.0	7,265.8	7,786.6	7,263.1	19.9	19.4	89.94	-547.7	-302.5	661.0	622.8	38.27	17.274		
7,900.0	7,265.3	7,886.6	7,262.6	21.0	20.5	89.94	-647.7	-302.5	661.0	620.5	40.56	16.297		
8,000.0	7,264.8	7,986.6	7,262.2	22.2	21.8	89.94	-747.7	-302.5	661.0	617.9	43.08	15.345		
8,100.0	7,264.3	8,086.6	7,261.7	23.5	23.1	89.94	-847.7	-302.5	661.0	615.2	45.77	14.441		
8,200.0	7,263.8	8,186.6	7,261.2	24.9	24.5	89.95	-947.7	-302.5	661.0	612.4	48.62	13.594		
8,300.0	7,263.3	8,286.6	7,260.7	26.4	26.0	89.95	-1,047.7	-302.5	661.0	609.4	51.60	12.810		
8,400.0	7,262.9	8,386.6	7,260.3	27.9	27.5	89.95	-1,147.7	-302.5	661.0	606.3	54.69	12.088		
8,500.0	7,262.4	8,486.6	7,259.8	29.5	29.1	89.95	-1,247.7	-302.5	661.0	603.2	57.86	11.425		
8,600.0	7,261.9	8,586.6	7,259.3	31.1	30.7	89.95	-1,347.7	-302.5	661.0	599.9	61.11	10.817		
8,700.0	7,261.4	8,686.6	7,258.9	32.7	32.4	89.95	-1,447.7	-302.5	661.0	596.6	64.42	10.261		
8,800.0	7,260.9	8,786.6	7,258.4	34.3	34.1	89.96	-1,547.7	-302.5	661.0	593.2	67.79	9.751		
8,900.0	7,260.4	8,886.6	7,257.9	36.0	35.8	89.96	-1,647.7	-302.5	661.0	589.8	71.20	9.284		
9,000.0	7,259.9	8,986.6	7,257.4	37.7	37.5	89.96	-1,747.7	-302.5	661.0	586.4	74.66	8.854		
9,100.0	7,259.4	9,086.6	7,257.0	39.5	39.2	89.96	-1,847.7	-302.5	661.0	582.9	78.15	8.459		
9,200.0	7,258.9	9,186.6	7,256.5	41.2	41.0	89.96	-1,947.7	-302.5	661.0	579.4	81.67	8.094		
9,300.0	7,258.5	9,286.6	7,256.0	43.0	42.7	89.96	-2,047.7	-302.5	661.0	575.8	85.21	7.757		
9,400.0	7,258.0	9,386.6	7,255.6	44.7	44.5	89.96	-2,147.7	-302.5	661.0	572.2	88.78	7.445		
9,500.0	7,257.5	9,486.6	7,255.1	46.5	46.3	89.97	-2,247.7	-302.5	661.0	568.6	92.38	7.156		
9,600.0	7,257.0	9,586.6	7,254.6	48.3	48.1	89.97	-2,347.7	-302.5	661.0	565.0	95.99	6.887		
9,700.0	7,256.5	9,686.6	7,254.1	50.1	49.9	89.97	-2,447.7	-302.5	661.0	561.4	99.61	6.636		
9,800.0	7,256.0	9,786.6	7,253.7	51.9	51.7	89.97	-2,547.7	-302.5	661.0	557.8	103.25	6.402		
9,900.0	7,255.5	9,886.6	7,253.2	53.7	53.6	89.97	-2,647.7	-302.5	661.0	554.1	106.91	6.183		
10,000.0	7,255.0	9,986.6	7,252.7	55.6	55.4	89.97	-2,747.7	-302.5	661.0	550.4	110.57	5.978		
10,100.0	7,254.6	10,086.6	7,252.3	57.4	57.2	89.98	-2,847.7	-302.5	661.0	546.8	114.25	5.786		
10,200.0	7,254.1	10,186.6	7,251.8	59.2	59.1	89.98	-2,947.7	-302.5	661.0	543.1	117.94	5.605		
10,300.0	7,253.6	10,286.6	7,251.3	61.1	60.9	89.98	-3,047.7	-302.5	661.0	539.4	121.63	5.434		

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Young 01N-65W-28-8N
Project:	SEC.28-T1N-R65W	TVD Reference:	WELL @ 5086.0ft (Original Well Elev)
Reference Site:	Young 01N-65W-28 Pad Sec.28-T1N-R65W	MD Reference:	WELL @ 5086.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Young 01N-65W-28-8N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (9-2-14)	Offset TVD Reference:	Offset Datum

Offset Design Young 01N-65W-28 Pad Sec.28-T1N-R65W - Young 01N-65W-28-4N - Wellbore #1 - Plan #1 (8-29-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,400.0	7,253.1	10,386.6	7,250.8	62.9	62.8	89.98	-3,147.7	-302.5	661.0	535.7	125.34	5.274	
10,500.0	7,252.6	10,486.6	7,250.4	64.8	64.6	89.98	-3,247.7	-302.5	661.0	532.0	129.05	5.122	
10,600.0	7,252.1	10,586.6	7,249.9	66.6	66.5	89.98	-3,347.7	-302.5	661.0	528.2	132.77	4.979	
10,700.0	7,251.6	10,686.6	7,249.4	68.5	68.3	89.98	-3,447.7	-302.5	661.0	524.5	136.49	4.843	
10,800.0	7,251.1	10,786.6	7,249.0	70.3	70.2	89.99	-3,547.7	-302.5	661.0	520.8	140.22	4.714	
10,900.0	7,250.6	10,886.6	7,248.5	72.2	72.1	89.99	-3,647.7	-302.5	661.0	517.1	143.96	4.592	
11,000.0	7,250.2	10,986.6	7,248.0	74.1	73.9	89.99	-3,747.7	-302.5	661.0	513.3	147.70	4.475	
11,100.0	7,249.7	11,086.6	7,247.5	75.9	75.8	89.99	-3,847.7	-302.5	661.0	509.6	151.44	4.365	
11,200.0	7,249.2	11,186.6	7,247.1	77.8	77.7	89.99	-3,947.7	-302.5	661.0	505.8	155.19	4.259	
11,300.0	7,248.7	11,286.6	7,246.6	79.7	79.5	89.99	-4,047.7	-302.5	661.0	502.1	158.95	4.159	
11,400.0	7,248.2	11,386.6	7,246.1	81.5	81.4	89.99	-4,147.7	-302.5	661.0	498.3	162.70	4.063	
11,500.0	7,247.7	11,486.6	7,245.7	83.4	83.3	90.00	-4,247.7	-302.5	661.0	494.6	166.46	3.971	
11,600.0	7,247.2	11,586.6	7,245.2	85.3	85.2	90.00	-4,347.7	-302.5	661.0	490.8	170.23	3.883	
11,700.0	7,246.7	11,686.6	7,244.7	87.2	87.1	90.00	-4,447.7	-302.5	661.0	487.0	173.99	3.799	
11,748.5	7,246.5	11,735.0	7,244.5	88.1	88.0	90.00	-4,496.1	-302.5	661.0	485.2	175.82	3.760	
11,800.0	7,246.2	11,786.6	7,244.3	89.1	88.9	90.00	-4,547.7	-302.5	661.0	483.3	177.76	3.719	
11,849.6	7,246.0	11,836.2	7,244.0	89.8	89.9	90.00	-4,597.3	-302.5	661.0	481.6	179.46	3.683 SF	

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Young 01N-65W-28-8N
Project:	SEC.28-T1N-R65W	TVD Reference:	WELL @ 5086.0ft (Original Well Elev)
Reference Site:	Young 01N-65W-28 Pad Sec.28-T1N-R65W	MD Reference:	WELL @ 5086.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Young 01N-65W-28-8N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (9-2-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-89.99	0.0	-44.8	44.8					
100.0	100.0	99.0	99.0	0.1	0.1	-89.99	0.0	-44.8	44.8	44.6	0.22	200.350		
200.0	200.0	199.0	199.0	0.3	0.3	-89.99	0.0	-44.8	44.8	44.1	0.67	66.672		
300.0	300.0	299.0	299.0	0.6	0.6	-89.99	0.0	-44.8	44.8	43.7	1.12	39.950		
400.0	400.0	399.0	399.0	0.8	0.8	-89.99	0.0	-44.8	44.8	43.2	1.57	28.519		
500.0	500.0	499.0	499.0	1.0	1.0	-89.99	0.0	-44.8	44.8	42.8	2.02	22.175		
600.0	600.0	599.0	599.0	1.2	1.2	-89.99	0.0	-44.8	44.8	42.3	2.47	18.139		
700.0	700.0	699.0	699.0	1.5	1.5	-89.99	0.0	-44.8	44.8	41.9	2.92	15.346		
800.0	800.0	799.0	799.0	1.7	1.7	-89.99	0.0	-44.8	44.8	41.4	3.37	13.299		
900.0	900.0	899.0	899.0	1.9	1.9	-89.99	0.0	-44.8	44.8	41.0	3.82	11.733		
1,000.0	1,000.0	999.0	999.0	2.1	2.1	-89.99	0.0	-44.8	44.8	40.5	4.27	10.498		
1,100.0	1,100.0	1,099.0	1,099.0	2.4	2.4	-89.99	0.0	-44.8	44.8	40.1	4.72	9.497		
1,200.0	1,200.0	1,199.0	1,199.0	2.6	2.6	-89.99	0.0	-44.8	44.8	39.6	5.17	8.671 CC, ES		
1,300.0	1,300.0	1,299.0	1,299.0	2.8	2.8	-153.77	0.0	-44.8	46.4	40.8	5.61	8.268		
1,400.0	1,399.8	1,398.8	1,398.8	3.0	3.0	-156.33	0.0	-44.8	51.1	45.1	6.04	8.466		
1,500.0	1,499.5	1,498.5	1,498.5	3.2	3.3	-159.66	0.0	-44.8	59.2	52.7	6.46	9.160		
1,600.0	1,598.7	1,597.7	1,597.7	3.5	3.5	-163.00	0.0	-44.8	70.6	63.7	6.89	10.243		
1,700.0	1,697.9	1,696.4	1,696.4	3.7	3.7	-164.75	1.1	-45.4	83.2	75.9	7.33	11.352		
1,800.0	1,797.1	1,794.9	1,794.8	4.0	3.9	-164.56	4.4	-47.1	96.5	88.7	7.77	12.420		
1,900.0	1,896.3	1,893.1	1,892.8	4.3	4.1	-163.13	10.0	-49.9	110.5	102.3	8.21	13.451		
2,000.0	1,995.5	1,991.0	1,990.3	4.6	4.4	-160.93	17.8	-53.9	125.3	116.7	8.67	14.458		
2,100.0	2,094.6	2,089.0	2,087.7	4.8	4.6	-158.35	27.5	-58.9	141.1	132.0	9.14	15.445		
2,200.0	2,193.8	2,187.6	2,185.6	5.1	4.8	-156.18	37.6	-64.0	157.3	147.6	9.62	16.353		
2,300.0	2,293.0	2,286.1	2,283.5	5.4	5.1	-154.42	47.6	-69.2	173.6	163.5	10.10	17.180		
2,400.0	2,392.2	2,384.6	2,381.4	5.7	5.3	-152.96	57.6	-74.3	190.0	179.4	10.60	17.931		
2,500.0	2,491.4	2,483.2	2,479.3	6.0	5.6	-151.73	67.6	-79.4	206.5	195.4	11.09	18.616		
2,600.0	2,590.6	2,581.7	2,577.2	6.3	5.9	-150.68	77.7	-84.6	223.2	211.6	11.60	19.239		
2,700.0	2,689.7	2,680.2	2,675.1	6.6	6.1	-149.78	87.7	-89.7	239.8	227.7	12.11	19.809		
2,800.0	2,788.9	2,778.8	2,773.0	7.0	6.4	-149.00	97.7	-94.9	256.6	243.9	12.62	20.331		
2,900.0	2,888.1	2,877.3	2,870.8	7.3	6.7	-148.31	107.8	-100.0	273.3	260.2	13.13	20.811		
3,000.0	2,987.3	2,975.8	2,968.7	7.6	7.0	-147.70	117.8	-105.1	290.1	276.5	13.65	21.252		
3,100.0	3,086.5	3,074.4	3,066.6	7.9	7.2	-147.16	127.8	-110.3	307.0	292.8	14.17	21.659		
3,200.0	3,185.6	3,172.9	3,164.5	8.2	7.5	-146.68	137.8	-115.4	323.8	309.1	14.70	22.035		
3,300.0	3,284.8	3,271.4	3,262.4	8.5	7.8	-146.24	147.9	-120.5	340.7	325.5	15.22	22.384		
3,400.0	3,384.0	3,370.0	3,360.3	8.8	8.1	-145.85	157.9	-125.7	357.6	341.9	15.75	22.708		
3,500.0	3,483.2	3,474.1	3,463.8	9.1	8.3	-145.64	167.3	-130.5	373.8	357.6	16.24	23.022		
3,600.0	3,582.4	3,578.8	3,568.3	9.5	8.5	-145.80	174.2	-134.0	388.5	371.8	16.70	23.256		
3,700.0	3,681.6	3,683.9	3,673.2	9.8	8.7	-146.30	178.6	-136.3	401.7	384.5	17.16	23.411		
3,800.0	3,780.7	3,789.2	3,778.5	10.1	8.9	-147.10	180.5	-137.2	413.4	395.8	17.59	23.498		
3,900.0	3,879.9	3,889.6	3,878.9	10.4	9.1	-148.04	180.5	-137.2	424.3	406.2	18.03	23.536		
4,000.0	3,979.1	3,988.8	3,978.1	10.7	9.3	-148.92	180.5	-137.2	435.2	416.7	18.47	23.555		
4,100.0	4,078.3	4,088.0	4,077.3	11.1	9.5	-149.77	180.5	-137.2	446.2	427.2	18.92	23.576		
4,200.0	4,177.5	4,187.1	4,176.5	11.4	9.7	-150.57	180.5	-137.2	457.3	437.9	19.37	23.601		
4,300.0	4,276.7	4,286.3	4,275.7	11.7	9.9	-151.34	180.5	-137.2	468.4	448.6	19.82	23.629		
4,400.0	4,375.9	4,385.5	4,374.9	12.0	10.1	-152.09	180.5	-137.2	479.4	459.1	20.28	23.641		
4,500.0	4,475.4	4,485.1	4,474.4	12.2	10.3	-152.70	180.5	-137.2	487.9	467.2	20.71	23.564		
4,600.0	4,575.2	4,584.9	4,574.2	12.4	10.5	-153.07	180.5	-137.2	493.4	472.2	21.11	23.370		
4,700.0	4,675.2	4,684.9	4,674.2	12.6	10.7	-153.23	180.5	-137.2	495.7	474.2	21.49	23.063		
4,800.0	4,775.2	4,784.9	4,774.2	12.8	11.0	-90.43	180.5	-137.2	495.8	473.9	21.88	22.656		
4,900.0	4,875.2	4,884.9	4,874.2	12.9	11.2	-90.43	180.5	-137.2	495.8	473.5	22.30	22.236		
5,000.0	4,975.2	4,984.9	4,974.2	13.1	11.4	-90.43	180.5	-137.2	495.8	473.1	22.71	21.830		
5,100.0	5,075.2	5,084.9	5,074.2	13.3	11.6	-90.43	180.5	-137.2	495.8	472.7	23.13	21.438		

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

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Young 01N-65W-28-8N
Project:	SEC.28-T1N-R65W	TVD Reference:	WELL @ 5086.0ft (Original Well Elev)
Reference Site:	Young 01N-65W-28 Pad Sec.28-T1N-R65W	MD Reference:	WELL @ 5086.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Young 01N-65W-28-8N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (9-2-14)	Offset TVD Reference:	Offset Datum

Offset Design		Young 01N-65W-28 Pad Sec.28-T1N-R65W - Young 01N-65W-28-5C - Wellbore #1 - Plan #1 (9-2-14)										Offset Site Error:		0.0 ft	
Survey Program: 0-MWD												Offset Well Error:		0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
5,200.0	5,175.2	5,184.9	5,174.2	13.5	11.8	-90.43	180.5	-137.2	495.8	472.2	23.54	21.058			
5,300.0	5,275.2	5,284.9	5,274.2	13.7	12.0	-90.43	180.5	-137.2	495.8	471.8	23.96	20.691			
5,400.0	5,375.2	5,384.9	5,374.2	13.8	12.2	-90.43	180.5	-137.2	495.8	471.4	24.38	20.335			
5,500.0	5,475.2	5,484.9	5,474.2	14.0	12.4	-90.43	180.5	-137.2	495.8	471.0	24.80	19.991			
5,600.0	5,575.2	5,584.9	5,574.2	14.2	12.7	-90.43	180.5	-137.2	495.8	470.6	25.22	19.657			
5,700.0	5,675.2	5,684.9	5,674.2	14.4	12.9	-90.43	180.5	-137.2	495.8	470.1	25.64	19.333			
5,800.0	5,775.2	5,784.9	5,774.2	14.6	13.1	-90.43	180.5	-137.2	495.8	469.7	26.07	19.019			
5,900.0	5,875.2	5,884.9	5,874.2	14.8	13.3	-90.43	180.5	-137.2	495.8	469.3	26.49	18.715			
6,000.0	5,975.2	5,984.9	5,974.2	15.0	13.5	-90.43	180.5	-137.2	495.8	468.9	26.92	18.420			
6,100.0	6,075.2	6,084.9	6,074.2	15.2	13.7	-90.43	180.5	-137.2	495.8	468.4	27.34	18.133			
6,200.0	6,175.2	6,184.9	6,174.2	15.4	13.9	-90.43	180.5	-137.2	495.8	468.0	27.77	17.855			
6,300.0	6,275.2	6,284.9	6,274.2	15.6	14.2	-90.43	180.5	-137.2	495.8	467.6	28.19	17.584			
6,400.0	6,375.2	6,384.9	6,374.2	15.7	14.4	-90.43	180.5	-137.2	495.8	467.2	28.62	17.321			
6,500.0	6,475.2	6,484.9	6,474.2	15.9	14.6	-90.43	180.5	-137.2	495.8	466.7	29.05	17.066			
6,600.0	6,575.2	6,584.9	6,574.2	16.1	14.8	-90.43	180.5	-137.2	495.8	466.3	29.48	16.818			
6,700.0	6,675.2	6,684.9	6,674.2	16.3	15.0	-90.43	180.5	-137.2	495.8	465.9	29.91	16.576			
6,800.0	6,775.2	6,784.8	6,774.2	16.5	15.2	89.67	180.5	-137.2	495.8	465.4	30.33	16.345			
6,832.8	6,807.8	6,817.5	6,806.8	16.6	15.3	90.00	180.5	-137.2	495.8	465.3	30.45	16.283			
6,900.0	6,873.9	6,883.5	6,872.9	16.6	15.5	91.37	180.5	-137.2	495.9	465.2	30.69	16.158			
7,000.0	6,967.9	6,979.1	6,968.5	16.7	15.7	94.84	180.2	-137.2	497.9	466.9	30.99	16.065			
7,100.0	7,053.7	7,084.5	7,072.6	16.8	15.8	98.96	165.9	-137.2	502.9	471.8	31.12	16.162			
7,200.0	7,128.2	7,200.4	7,181.3	16.8	15.9	102.94	126.3	-137.2	510.5	479.5	31.07	16.431			
7,300.0	7,188.7	7,329.1	7,288.5	16.9	16.0	106.59	55.5	-137.2	519.4	488.5	30.95	16.782			
7,400.0	7,232.9	7,471.8	7,383.0	17.1	16.1	109.66	-50.8	-137.2	528.0	497.0	31.03	17.016			
7,500.0	7,259.2	7,627.4	7,449.0	17.5	16.6	111.74	-191.1	-137.2	534.3	502.6	31.70	16.853			
7,600.0	7,266.8	7,786.9	7,470.8	18.1	17.7	112.47	-348.4	-137.2	536.5	503.3	33.24	16.142			
7,700.0	7,266.3	7,886.9	7,470.5	18.9	18.5	112.49	-448.4	-137.2	536.6	501.7	34.86	15.393			
7,800.0	7,265.8	7,986.9	7,470.1	19.9	19.5	112.50	-548.4	-137.2	536.6	499.9	36.75	14.603			
7,900.0	7,265.3	8,086.9	7,469.8	21.0	20.6	112.51	-648.4	-137.2	536.7	497.8	38.88	13.804			
8,000.0	7,264.8	8,186.9	7,469.4	22.2	21.9	112.53	-748.4	-137.2	536.7	495.5	41.21	13.025			
8,100.0	7,264.3	8,286.9	7,469.1	23.5	23.2	112.54	-848.4	-137.2	536.8	493.1	43.71	12.281			
8,200.0	7,263.8	8,386.9	7,468.7	24.9	24.6	112.56	-948.4	-137.2	536.8	490.5	46.35	11.582			
8,300.0	7,263.3	8,486.9	7,468.4	26.4	26.1	112.57	-1,048.4	-137.2	536.9	487.8	49.11	10.932			
8,400.0	7,262.9	8,586.9	7,468.1	27.9	27.6	112.58	-1,148.4	-137.2	536.9	485.0	51.97	10.332			
8,500.0	7,262.4	8,686.9	7,467.7	29.5	29.2	112.60	-1,248.4	-137.2	537.0	482.1	54.91	9.779			
8,600.0	7,261.9	8,786.9	7,467.4	31.1	30.8	112.61	-1,348.4	-137.2	537.0	479.1	57.93	9.271			
8,700.0	7,261.4	8,886.9	7,467.0	32.7	32.5	112.62	-1,448.4	-137.2	537.1	476.1	61.00	8.804			
8,800.0	7,260.9	8,986.9	7,466.7	34.3	34.1	112.64	-1,548.4	-137.2	537.1	473.0	64.13	8.376			
8,900.0	7,260.4	9,086.9	7,466.3	36.0	35.8	112.65	-1,648.4	-137.2	537.2	469.9	67.30	7.982			
9,000.0	7,259.9	9,186.9	7,466.0	37.7	37.5	112.67	-1,748.4	-137.2	537.3	466.7	70.51	7.619			
9,100.0	7,259.4	9,286.9	7,465.6	39.5	39.3	112.68	-1,848.4	-137.2	537.3	463.6	73.76	7.285			
9,200.0	7,258.9	9,386.9	7,465.3	41.2	41.0	112.69	-1,948.4	-137.2	537.4	460.3	77.03	6.976			
9,300.0	7,258.5	9,486.9	7,464.9	43.0	42.8	112.71	-2,048.4	-137.2	537.4	457.1	80.32	6.691			
9,400.0	7,258.0	9,586.9	7,464.6	44.7	44.6	112.72	-2,148.4	-137.2	537.5	453.8	83.64	6.426			
9,500.0	7,257.5	9,686.9	7,464.2	46.5	46.4	112.73	-2,248.4	-137.2	537.5	450.5	86.98	6.180			
9,600.0	7,257.0	9,786.9	7,463.9	48.3	48.2	112.75	-2,348.4	-137.2	537.6	447.2	90.34	5.951			
9,700.0	7,256.5	9,886.9	7,463.5	50.1	50.0	112.76	-2,448.4	-137.2	537.6	443.9	93.71	5.737			
9,800.0	7,256.0	9,986.9	7,463.2	51.9	51.8	112.78	-2,548.4	-137.2	537.7	440.6	97.10	5.538			
9,900.0	7,255.5	10,086.9	7,462.8	53.7	53.6	112.79	-2,648.4	-137.2	537.7	437.2	100.49	5.351			
10,000.0	7,255.0	10,186.9	7,462.5	55.6	55.4	112.80	-2,748.4	-137.2	537.8	433.9	103.90	5.176			
10,100.0	7,254.6	10,286.9	7,462.1	57.4	57.3	112.82	-2,848.4	-137.2	537.8	430.5	107.32	5.012			
10,200.0	7,254.1	10,386.9	7,461.8	59.2	59.1	112.83	-2,948.4	-137.2	537.9	427.2	110.75	4.857			

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

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Young 01N-65W-28-8N
Project:	SEC.28-T1N-R65W	TVD Reference:	WELL @ 5086.0ft (Original Well Elev)
Reference Site:	Young 01N-65W-28 Pad Sec.28-T1N-R65W	MD Reference:	WELL @ 5086.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Young 01N-65W-28-8N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (9-2-14)	Offset TVD Reference:	Offset Datum

Offset Design Young 01N-65W-28 Pad Sec.28-T1N-R65W - Young 01N-65W-28-5C - Wellbore #1 - Plan #1 (9-2-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,300.0	7,253.6	10,486.9	7,461.4	61.1	61.0	112.84	-3,048.4	-137.2	538.0	423.8	114.19	4.711	
10,400.0	7,253.1	10,586.9	7,461.1	62.9	62.8	112.86	-3,148.4	-137.2	538.0	420.4	117.63	4.574	
10,500.0	7,252.6	10,686.9	7,460.7	64.8	64.7	112.87	-3,248.4	-137.2	538.1	417.0	121.08	4.444	
10,600.0	7,252.1	10,786.9	7,460.4	66.6	66.5	112.89	-3,348.4	-137.2	538.1	413.6	124.53	4.321	
10,700.0	7,251.6	10,886.9	7,460.0	68.5	68.4	112.90	-3,448.4	-137.2	538.2	410.2	128.00	4.205	
10,800.0	7,251.1	10,986.9	7,459.7	70.3	70.2	112.91	-3,548.4	-137.2	538.2	406.8	131.46	4.094	
10,900.0	7,250.6	11,086.9	7,459.3	72.2	72.1	112.93	-3,648.4	-137.2	538.3	403.4	134.93	3.989	
11,000.0	7,250.2	11,186.9	7,459.0	74.1	74.0	112.94	-3,748.4	-137.2	538.3	399.9	138.41	3.890	
11,100.0	7,249.7	11,286.9	7,458.6	75.9	75.8	112.95	-3,848.4	-137.2	538.4	396.5	141.89	3.795	
11,200.0	7,249.2	11,386.9	7,458.3	77.8	77.7	112.97	-3,948.4	-137.2	538.4	393.1	145.37	3.704	
11,300.0	7,248.7	11,486.9	7,457.9	79.7	79.6	112.98	-4,048.4	-137.2	538.5	389.6	148.85	3.618	
11,400.0	7,248.2	11,586.9	7,457.6	81.5	81.5	112.99	-4,148.4	-137.2	538.6	386.2	152.34	3.535	
11,500.0	7,247.7	11,686.9	7,457.2	83.4	83.3	113.01	-4,248.4	-137.2	538.6	382.8	155.83	3.456	
11,600.0	7,247.2	11,786.9	7,456.9	85.3	85.2	113.02	-4,348.4	-137.2	538.7	379.3	159.33	3.381	
11,700.0	7,246.7	11,886.9	7,456.5	87.2	87.1	113.04	-4,448.4	-137.2	538.7	375.9	162.82	3.309	
11,800.0	7,246.2	11,986.9	7,456.2	89.1	89.0	113.05	-4,548.4	-137.2	538.8	372.5	166.32	3.239	
11,849.6	7,246.0	12,036.6	7,456.0	89.8	89.9	113.06	-4,598.0	-137.2	538.8	370.9	167.88	3.209 SF	

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Young 01N-65W-28-8N
Project:	SEC.28-T1N-R65W	TVD Reference:	WELL @ 5086.0ft (Original Well Elev)
Reference Site:	Young 01N-65W-28 Pad Sec.28-T1N-R65W	MD Reference:	WELL @ 5086.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Young 01N-65W-28-8N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (9-2-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-89.99	0.0	-28.0	28.0					
100.0	100.0	99.0	99.0	0.1	0.1	-89.99	0.0	-28.0	28.0	27.8	0.22	125.219		
200.0	200.0	199.0	199.0	0.3	0.3	-89.99	0.0	-28.0	28.0	27.3	0.67	41.670		
300.0	300.0	299.0	299.0	0.6	0.6	-89.99	0.0	-28.0	28.0	26.9	1.12	24.969		
400.0	400.0	399.0	399.0	0.8	0.8	-89.99	0.0	-28.0	28.0	26.4	1.57	17.825		
500.0	500.0	499.0	499.0	1.0	1.0	-89.99	0.0	-28.0	28.0	26.0	2.02	13.859		
600.0	600.0	599.0	599.0	1.2	1.2	-89.99	0.0	-28.0	28.0	25.5	2.47	11.337		
700.0	700.0	699.0	699.0	1.5	1.5	-89.99	0.0	-28.0	28.0	25.1	2.92	9.592		
800.0	800.0	799.0	799.0	1.7	1.7	-89.99	0.0	-28.0	28.0	24.6	3.37	8.312		
900.0	900.0	899.0	899.0	1.9	1.9	-89.99	0.0	-28.0	28.0	24.2	3.82	7.333		
1,000.0	1,000.0	999.0	999.0	2.1	2.1	-89.99	0.0	-28.0	28.0	23.7	4.27	6.561		
1,100.0	1,100.0	1,099.0	1,099.0	2.4	2.4	-89.99	0.0	-28.0	28.0	23.3	4.72	5.936		
1,200.0	1,200.0	1,199.0	1,199.0	2.6	2.6	-89.99	0.0	-28.0	28.0	22.8	5.17	5.419 CC, ES		
1,300.0	1,300.0	1,299.0	1,299.0	2.8	2.8	-154.33	0.0	-28.0	29.6	24.0	5.61	5.273		
1,400.0	1,399.8	1,398.8	1,398.8	3.0	3.0	-158.08	0.0	-28.0	34.4	28.3	6.04	5.691		
1,500.0	1,499.5	1,498.5	1,498.5	3.2	3.3	-162.41	0.0	-28.0	42.6	36.1	6.46	6.587		
1,600.0	1,598.7	1,597.7	1,597.7	3.5	3.5	-166.21	0.0	-28.0	54.1	47.2	6.89	7.858		
1,700.0	1,697.9	1,696.9	1,696.9	3.7	3.7	-168.83	0.0	-28.0	66.6	59.3	7.33	9.087		
1,800.0	1,797.1	1,796.1	1,796.1	4.0	3.9	-170.62	0.0	-28.0	79.2	71.4	7.77	10.186		
1,900.0	1,896.3	1,895.3	1,895.3	4.3	4.1	-171.92	0.0	-28.0	91.8	83.6	8.22	11.170		
2,000.0	1,995.5	1,994.5	1,994.5	4.6	4.4	-172.90	0.0	-28.0	104.4	95.8	8.66	12.053		
2,100.0	2,094.6	2,093.6	2,093.6	4.8	4.6	-173.67	0.0	-28.0	117.1	108.0	9.11	12.851		
2,200.0	2,193.8	2,192.8	2,192.8	5.1	4.8	-174.29	0.0	-28.0	129.8	120.2	9.56	13.573		
2,300.0	2,293.0	2,292.0	2,292.0	5.4	5.0	-174.80	0.0	-28.0	142.5	132.5	10.01	14.229		
2,400.0	2,392.2	2,391.2	2,391.2	5.7	5.3	-175.23	0.0	-28.0	155.2	144.7	10.47	14.828		
2,500.0	2,491.4	2,490.4	2,490.4	6.0	5.5	-175.59	0.0	-28.0	167.9	157.0	10.92	15.377		
2,600.0	2,590.6	2,591.9	2,591.9	6.3	5.7	-175.48	1.5	-28.0	180.1	168.7	11.38	15.825		
2,700.0	2,689.7	2,693.8	2,693.7	6.6	5.9	-174.38	6.6	-27.9	190.8	179.0	11.84	16.120		
2,800.0	2,788.9	2,795.7	2,795.2	7.0	6.2	-172.44	15.3	-27.8	200.4	188.1	12.30	16.288		
2,900.0	2,888.1	2,896.4	2,895.2	7.3	6.4	-169.85	27.1	-27.6	209.1	196.3	12.78	16.367		
3,000.0	2,987.3	2,995.6	2,993.6	7.6	6.6	-167.35	39.4	-27.3	218.0	204.8	13.26	16.445		
3,100.0	3,086.5	3,094.7	3,092.0	7.9	6.9	-165.04	51.7	-27.1	227.3	213.6	13.75	16.531		
3,200.0	3,185.6	3,193.9	3,190.4	8.2	7.1	-162.92	64.0	-26.9	237.0	222.7	14.26	16.622		
3,300.0	3,284.8	3,293.1	3,288.8	8.5	7.4	-160.97	76.3	-26.7	246.9	232.2	14.77	16.716		
3,400.0	3,384.0	3,392.2	3,387.2	8.8	7.6	-159.16	88.6	-26.5	257.1	241.8	15.30	16.811		
3,500.0	3,483.2	3,491.4	3,485.6	9.1	7.9	-157.50	101.0	-26.3	267.6	251.7	15.83	16.907		
3,600.0	3,582.4	3,590.6	3,584.0	9.5	8.2	-155.96	113.3	-26.1	278.2	261.9	16.36	17.001		
3,700.0	3,681.6	3,689.7	3,682.4	9.8	8.4	-154.54	125.6	-25.9	289.1	272.2	16.91	17.095		
3,800.0	3,780.7	3,788.9	3,780.7	10.1	8.7	-153.21	137.9	-25.7	300.1	282.6	17.46	17.186		
3,900.0	3,879.9	3,888.0	3,879.1	10.4	9.0	-151.99	150.2	-25.5	311.2	293.2	18.01	17.275		
4,000.0	3,979.1	3,987.3	3,977.6	10.7	9.2	-150.88	162.3	-25.3	322.5	303.9	18.56	17.373		
4,100.0	4,078.3	4,086.8	4,076.7	11.1	9.4	-150.31	171.8	-25.1	333.8	314.7	19.05	17.524		
4,200.0	4,177.5	4,186.4	4,176.1	11.4	9.6	-150.35	177.8	-25.0	345.0	325.5	19.50	17.695		
4,300.0	4,276.7	4,285.9	4,275.6	11.7	9.8	-150.95	180.4	-25.0	356.2	336.3	19.92	17.884		
4,400.0	4,375.9	4,385.2	4,374.9	12.0	10.0	-151.92	180.5	-25.0	367.2	346.9	20.34	18.057		
4,500.0	4,475.4	4,484.7	4,474.4	12.2	10.2	-152.68	180.5	-25.0	375.7	354.9	20.74	18.110		
4,600.0	4,575.2	4,584.5	4,574.2	12.4	10.4	-153.15	180.5	-25.0	381.1	360.0	21.14	18.030		
4,700.0	4,675.2	4,684.5	4,674.2	12.6	10.6	-153.35	180.5	-25.0	383.5	361.9	21.51	17.824		
4,800.0	4,775.2	4,784.5	4,774.2	12.8	10.8	-90.55	180.5	-25.0	383.5	361.6	21.90	17.510		
4,900.0	4,875.2	4,884.5	4,874.2	12.9	11.1	-90.55	180.5	-25.0	383.5	361.2	22.32	17.185		
5,000.0	4,975.2	4,984.5	4,974.2	13.1	11.3	-90.55	180.5	-25.0	383.5	360.8	22.73	16.871		
5,100.0	5,075.2	5,084.5	5,074.2	13.3	11.5	-90.55	180.5	-25.0	383.5	360.4	23.15	16.567		

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

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Young 01N-65W-28-8N
Project:	SEC.28-T1N-R65W	TVD Reference:	WELL @ 5086.0ft (Original Well Elev)
Reference Site:	Young 01N-65W-28 Pad Sec.28-T1N-R65W	MD Reference:	WELL @ 5086.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Young 01N-65W-28-8N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (9-2-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	5,175.2	5,184.5	5,174.2	13.5	11.7	-90.55	180.5	-25.0	383.5	360.0	23.57	16.274	
5,300.0	5,275.2	5,284.5	5,274.2	13.7	11.9	-90.55	180.5	-25.0	383.5	359.6	23.99	15.989	
5,400.0	5,375.2	5,384.5	5,374.2	13.8	12.1	-90.55	180.5	-25.0	383.5	359.1	24.41	15.714	
5,500.0	5,475.2	5,484.5	5,474.2	14.0	12.4	-90.55	180.5	-25.0	383.5	358.7	24.83	15.447	
5,600.0	5,575.2	5,584.5	5,574.2	14.2	12.6	-90.55	180.5	-25.0	383.5	358.3	25.25	15.189	
5,700.0	5,675.2	5,684.5	5,674.2	14.4	12.8	-90.55	180.5	-25.0	383.5	357.9	25.67	14.939	
5,800.0	5,775.2	5,784.5	5,774.2	14.6	13.0	-90.55	180.5	-25.0	383.5	357.4	26.10	14.696	
5,900.0	5,875.2	5,884.5	5,874.2	14.8	13.2	-90.55	180.5	-25.0	383.5	357.0	26.52	14.461	
6,000.0	5,975.2	5,984.5	5,974.2	15.0	13.4	-90.55	180.5	-25.0	383.5	356.6	26.95	14.232	
6,100.0	6,075.2	6,084.5	6,074.2	15.2	13.7	-90.55	180.5	-25.0	383.5	356.2	27.38	14.011	
6,200.0	6,175.2	6,184.5	6,174.2	15.4	13.9	-90.55	180.5	-25.0	383.5	355.7	27.80	13.795	
6,300.0	6,275.2	6,284.5	6,274.2	15.6	14.1	-90.55	180.5	-25.0	383.5	355.3	28.23	13.586	
6,400.0	6,375.2	6,384.5	6,374.2	15.7	14.3	-90.55	180.5	-25.0	383.5	354.9	28.66	13.383	
6,500.0	6,475.2	6,484.5	6,474.2	15.9	14.5	-90.55	180.5	-25.0	383.5	354.5	29.09	13.186	
6,600.0	6,575.2	6,584.5	6,574.2	16.1	14.7	-90.55	180.5	-25.0	383.5	354.0	29.52	12.994	
6,700.0	6,675.2	6,684.5	6,674.2	16.3	15.0	-90.55	180.5	-25.0	383.5	353.6	29.95	12.807	
6,800.0	6,775.2	6,784.5	6,774.2	16.5	15.2	89.44	179.6	-25.0	383.5	353.2	30.36	12.634	
6,900.0	6,873.9	6,884.6	6,872.9	16.6	15.3	89.44	164.3	-24.8	383.4	352.8	30.59	12.531	
7,000.0	6,967.9	6,984.7	6,966.9	16.7	15.4	89.45	130.5	-24.4	383.0	352.3	30.72	12.467	
7,100.0	7,053.7	7,084.7	7,052.7	16.8	15.4	89.49	79.3	-23.9	382.4	351.6	30.82	12.407	
7,200.0	7,128.2	7,184.7	7,127.1	16.8	15.5	89.54	12.8	-23.1	381.7	350.7	31.01	12.308	
7,300.0	7,188.7	7,284.6	7,187.4	16.9	15.7	89.61	-66.7	-22.3	380.8	349.4	31.41	12.126	
7,400.0	7,232.9	7,384.5	7,231.4	17.1	16.1	89.70	-156.2	-21.3	379.8	347.7	32.10	11.831	
7,500.0	7,259.2	7,484.4	7,257.6	17.5	16.6	89.79	-252.5	-20.2	378.8	345.6	33.16	11.421	
7,600.0	7,266.8	7,584.3	7,265.0	18.1	17.3	89.89	-351.9	-19.1	377.6	343.1	34.57	10.924	
7,700.0	7,266.3	7,684.3	7,264.6	18.9	18.2	89.89	-451.9	-18.0	376.5	340.2	36.32	10.366	
7,800.0	7,265.8	7,784.3	7,264.1	19.9	19.2	89.90	-551.9	-16.9	375.4	337.1	38.37	9.784	
7,900.0	7,265.3	7,884.3	7,263.6	21.0	20.4	89.90	-651.9	-15.8	374.3	333.6	40.68	9.202	
8,000.0	7,264.8	7,984.3	7,263.1	22.2	21.6	89.90	-751.9	-14.7	373.2	330.0	43.20	8.639	
8,100.0	7,264.3	8,084.3	7,262.7	23.5	23.0	89.90	-851.8	-13.6	372.1	326.2	45.91	8.105	
8,200.0	7,263.8	8,184.2	7,262.2	24.9	24.4	89.90	-951.8	-12.4	371.0	322.2	48.77	7.608	
8,300.0	7,263.3	8,284.2	7,261.7	26.4	25.9	89.91	-1,051.8	-11.3	369.9	318.1	51.75	7.147	
8,400.0	7,262.9	8,384.2	7,261.3	27.9	27.5	89.91	-1,151.8	-10.2	368.8	313.9	54.84	6.724	
8,500.0	7,262.4	8,484.2	7,260.8	29.5	29.1	89.91	-1,251.8	-9.1	367.7	309.6	58.02	6.337	
8,600.0	7,261.9	8,584.2	7,260.3	31.1	30.7	89.91	-1,351.8	-8.0	366.6	305.3	61.27	5.982	
8,700.0	7,261.4	8,684.2	7,259.8	32.7	32.4	89.92	-1,451.8	-6.9	365.5	300.9	64.59	5.658	
8,800.0	7,260.9	8,784.2	7,259.4	34.3	34.1	89.92	-1,551.7	-5.8	364.3	296.4	67.97	5.361	
8,900.0	7,260.4	8,884.2	7,258.9	36.0	35.8	89.92	-1,651.7	-4.7	363.2	291.8	71.38	5.088	
9,000.0	7,259.9	8,984.2	7,258.4	37.7	37.5	89.92	-1,751.7	-3.6	362.1	287.3	74.84	4.838	
9,100.0	7,259.4	9,084.2	7,258.0	39.5	39.3	89.93	-1,851.7	-2.5	361.0	282.7	78.34	4.608	
9,200.0	7,258.9	9,184.2	7,257.5	41.2	41.0	89.93	-1,951.7	-1.4	359.9	278.0	81.86	4.396	
9,300.0	7,258.5	9,284.2	7,257.0	43.0	42.8	89.93	-2,051.7	-0.3	358.8	273.4	85.42	4.201	
9,400.0	7,258.0	9,384.2	7,256.5	44.7	44.6	89.93	-2,151.7	0.9	357.7	268.7	88.99	4.019	
9,500.0	7,257.5	9,484.2	7,256.1	46.5	46.4	89.94	-2,251.7	2.0	356.6	264.0	92.59	3.851	
9,600.0	7,257.0	9,584.2	7,255.6	48.3	48.2	89.94	-2,351.6	3.1	355.5	259.3	96.20	3.695	
9,700.0	7,256.5	9,684.2	7,255.1	50.1	50.0	89.94	-2,451.6	4.2	354.4	254.5	99.83	3.550	
9,800.0	7,256.0	9,784.1	7,254.7	51.9	51.8	89.94	-2,551.6	5.3	353.3	249.8	103.48	3.414	
9,900.0	7,255.5	9,884.1	7,254.2	53.7	53.7	89.95	-2,651.6	6.4	352.1	245.0	107.14	3.287	
10,000.0	7,255.0	9,984.1	7,253.7	55.6	55.5	89.95	-2,751.6	7.5	351.0	240.2	110.81	3.168	
10,100.0	7,254.6	10,084.1	7,253.2	57.4	57.4	89.95	-2,851.6	8.6	349.9	235.4	114.49	3.056	
10,200.0	7,254.1	10,184.1	7,252.8	59.2	59.2	89.96	-2,951.6	9.7	348.8	230.6	118.18	2.952	
10,300.0	7,253.6	10,284.1	7,252.3	61.1	61.1	89.96	-3,051.5	10.8	347.7	225.8	121.88	2.853	

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

Offset Design													Offset Site Error:	
Young 01N-65W-28 Pad Sec.28-T1N-R65W - Young 01N-65W-28-6N - Wellbore #1 - Plan #1 (9-2-14)													0.0 ft	
Survey Program: 0-MWD													Offset Well Error:	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
10,400.0	7,253.1	10,384.1	7,251.8	62.9	62.9	89.96	-3,151.5	11.9	346.6	221.0	125.59	2.760		
10,500.0	7,252.6	10,484.1	7,251.4	64.8	64.8	89.96	-3,251.5	13.1	345.5	216.2	129.30	2.672		
10,600.0	7,252.1	10,584.1	7,250.9	66.6	66.6	89.97	-3,351.5	14.2	344.4	211.4	133.02	2.589		
10,700.0	7,251.6	10,684.1	7,250.4	68.5	68.5	89.97	-3,451.5	15.3	343.3	206.5	136.75	2.510		
10,800.0	7,251.1	10,784.1	7,249.9	70.3	70.4	89.97	-3,551.5	16.4	342.2	201.7	140.49	2.436		
10,900.0	7,250.6	10,884.1	7,249.5	72.2	72.2	89.98	-3,651.5	17.5	341.1	196.8	144.23	2.365		
11,000.0	7,250.2	10,984.1	7,249.0	74.1	74.1	89.98	-3,751.5	18.6	339.9	192.0	147.97	2.297		
11,100.0	7,249.7	11,084.1	7,248.5	75.9	76.0	89.98	-3,851.4	19.7	338.8	187.1	151.72	2.233		
11,200.0	7,249.2	11,184.1	7,248.1	77.8	77.9	89.98	-3,951.4	20.8	337.7	182.3	155.47	2.172		
11,300.0	7,248.7	11,284.1	7,247.6	79.7	79.8	89.99	-4,051.4	21.9	336.6	177.4	159.23	2.114		
11,400.0	7,248.2	11,384.1	7,247.1	81.5	81.6	89.99	-4,151.4	23.0	335.5	172.5	162.99	2.058		
11,500.0	7,247.7	11,484.0	7,246.6	83.4	83.5	89.99	-4,251.4	24.1	334.4	167.7	166.75	2.005		
11,600.0	7,247.2	11,584.0	7,246.2	85.3	85.4	90.00	-4,351.4	25.2	333.3	162.8	170.52	1.955		
11,700.0	7,246.7	11,684.0	7,245.7	87.2	87.3	90.00	-4,451.4	26.4	332.2	157.9	174.29	1.906		
11,800.0	7,246.2	11,784.0	7,245.2	89.1	89.2	90.00	-4,551.3	27.5	331.1	153.0	178.06	1.859		
11,849.6	7,246.0	11,833.7	7,245.0	89.8	90.1	90.00	-4,601.0	28.0	330.5	150.8	179.76	1.839 SF		

Offset Design Young 01N-65W-28 Pad Sec.28-T1N-R65W - Young 01N-65W-28-7N - Wellbore #1 - Plan #1 (9-2-14)													Offset Site Error: 0.0 ft	
Survey Program: 0-MWD													Offset Well Error: 0.0 ft	
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		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
0.0	0.0	0.0	0.0	0.0	0.0	-89.98	0.0	-14.0	14.0	14.0	0.00	N/A		
100.0	100.0	100.0	100.0	0.1	0.1	-89.98	0.0	-14.0	14.0	13.8	0.22	62.297		
200.0	200.0	200.0	200.0	0.3	0.3	-89.98	0.0	-14.0	14.0	13.3	0.67	20.766		
300.0	300.0	300.0	300.0	0.6	0.6	-89.98	0.0	-14.0	14.0	12.9	1.12	12.459		
400.0	400.0	400.0	400.0	0.8	0.8	-89.98	0.0	-14.0	14.0	12.4	1.57	8.900		
500.0	500.0	500.0	500.0	1.0	1.0	-89.98	0.0	-14.0	14.0	12.0	2.02	6.922		
600.0	600.0	600.0	600.0	1.2	1.2	-89.98	0.0	-14.0	14.0	11.5	2.47	5.663		
700.0	700.0	700.0	700.0	1.5	1.5	-89.98	0.0	-14.0	14.0	11.1	2.92	4.792		
800.0	800.0	800.0	800.0	1.7	1.7	-89.98	0.0	-14.0	14.0	10.6	3.37	4.153		
900.0	900.0	900.0	900.0	1.9	1.9	-89.98	0.0	-14.0	14.0	10.2	3.82	3.665		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-89.98	0.0	-14.0	14.0	9.7	4.27	3.279		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	-89.98	0.0	-14.0	14.0	9.3	4.72	2.967		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	-89.98	0.0	-14.0	14.0	8.8	5.17	2.709 CC		
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	-155.71	0.0	-14.0	15.6	10.0	5.61	2.776		
1,400.0	1,399.8	1,399.8	1,399.8	3.0	3.0	-161.72	0.0	-14.0	20.5	14.4	6.04	3.388		
1,500.0	1,499.5	1,500.3	1,500.3	3.2	3.3	-165.50	1.2	-12.7	27.3	20.9	6.46	4.230		
1,600.0	1,598.7	1,601.0	1,600.9	3.5	3.5	-166.34	4.6	-8.7	34.3	27.5	6.88	4.993		
1,700.0	1,697.9	1,702.1	1,701.5	3.7	3.7	-164.81	10.5	-2.0	39.0	31.7	7.31	5.331		
1,800.0	1,797.1	1,802.6	1,801.3	4.0	3.9	-161.49	18.2	6.9	41.1	33.3	7.76	5.295		
1,900.0	1,896.3	1,902.5	1,900.5	4.3	4.2	-158.25	26.2	16.0	43.0	34.8	8.22	5.233		
2,000.0	1,995.5	2,002.5	1,999.7	4.6	4.4	-155.30	34.1	25.2	45.1	36.4	8.70	5.184		
2,100.0	2,094.6	2,102.4	2,099.0	4.8	4.7	-152.61	42.1	34.3	47.3	38.1	9.19	5.144		
2,200.0	2,193.8	2,202.4	2,198.2	5.1	5.0	-150.16	50.0	43.4	49.5	39.8	9.69	5.111		
2,300.0	2,293.0	2,302.3	2,297.4	5.4	5.3	-147.93	58.0	52.6	51.9	41.7	10.21	5.083		
2,400.0	2,392.2	2,402.3	2,396.6	5.7	5.5	-145.89	65.9	61.7	54.3	43.6	10.73	5.059		
2,500.0	2,491.4	2,502.2	2,495.8	6.0	5.8	-144.03	73.9	70.8	56.8	45.5	11.27	5.039		
2,600.0	2,590.6	2,602.2	2,595.0	6.3	6.1	-142.33	81.8	80.0	59.3	47.5	11.82	5.020		
2,700.0	2,689.7	2,702.1	2,694.3	6.6	6.4	-140.77	89.8	89.1	61.9	49.5	12.37	5.004		
2,800.0	2,788.9	2,802.1	2,793.5	7.0	6.7	-139.33	97.7	98.2	64.6	51.6	12.94	4.989		
2,900.0	2,888.1	2,902.0	2,892.7	7.3	7.0	-138.01	105.7	107.4	67.2	53.7	13.51	4.976		
3,000.0	2,987.3	3,002.0	2,991.9	7.6	7.3	-136.79	113.7	116.5	69.9	55.8	14.08	4.964		
3,100.0	3,086.5	3,101.9	3,091.1	7.9	7.6	-135.66	121.6	125.6	72.6	58.0	14.67	4.954		
3,200.0	3,185.6	3,201.9	3,190.3	8.2	7.9	-134.62	129.6	134.8	75.4	60.2	15.25	4.944		
3,300.0	3,284.8	3,301.9	3,289.5	8.5	8.2	-133.64	137.5	143.9	78.2	62.3	15.84	4.935		
3,400.0	3,384.0	3,401.8	3,388.8	8.8	8.5	-132.74	145.5	153.0	81.0	64.5	16.44	4.927		
3,500.0	3,483.2	3,501.8	3,488.0	9.1	8.8	-131.89	153.4	162.2	83.8	66.8	17.03	4.920		
3,600.0	3,582.4	3,601.7	3,587.2	9.5	9.1	-131.10	161.4	171.3	86.6	69.0	17.63	4.913		
3,700.0	3,681.6	3,701.2	3,686.0	9.8	9.4	-130.48	169.2	180.3	89.6	71.4	18.22	4.916		
3,800.0	3,780.7	3,800.0	3,784.3	10.1	9.6	-131.36	175.2	187.1	93.7	75.1	18.68	5.018		
3,900.0	3,879.9	3,897.8	3,882.0	10.4	9.8	-133.85	178.9	191.4	99.6	80.6	19.04	5.230		
4,000.0	3,979.1	3,995.4	3,979.5	10.7	10.0	-137.58	180.5	193.2	107.5	88.2	19.32	5.565		
4,100.0	4,078.3	4,094.1	4,078.3	11.1	10.1	-141.73	180.5	193.3	117.2	97.6	19.56	5.992		
4,200.0	4,177.5	4,193.3	4,177.5	11.4	10.3	-145.27	180.5	193.3	127.5	107.7	19.85	6.424		
4,300.0	4,276.7	4,292.5	4,276.7	11.7	10.5	-148.28	180.5	193.3	138.2	118.0	20.16	6.855		
4,400.0	4,375.9	4,391.7	4,375.9	12.0	10.7	-150.84	180.5	193.3	149.0	128.5	20.49	7.269		
4,500.0	4,475.4	4,491.3	4,475.4	12.2	10.9	-152.61	180.5	193.3	157.4	136.6	20.83	7.558		
4,600.0	4,575.2	4,591.1	4,575.2	12.4	11.1	-153.65	180.5	193.3	162.9	141.7	21.17	7.693		
4,700.0	4,675.2	4,691.0	4,675.2	12.6	11.3	-154.07	180.5	193.3	165.2	143.7	21.51	7.679		
4,800.0	4,775.2	4,791.0	4,775.2	12.8	11.5	-91.28	180.5	193.3	165.3	143.4	21.90	7.549		
4,900.0	4,875.2	4,891.0	4,875.2	12.9	11.7	-91.28	180.5	193.3	165.3	143.0	22.31	7.410		
5,000.0	4,975.2	4,991.0	4,975.2	13.1	11.9	-91.28	180.5	193.3	165.3	142.6	22.72	7.276		
5,100.0	5,075.2	5,091.0	5,075.2	13.3	12.1	-91.28	180.5	193.3	165.3	142.2	23.13	7.146		

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Young 01N-65W-28-8N
Project:	SEC.28-T1N-R65W	TVD Reference:	WELL @ 5086.0ft (Original Well Elev)
Reference Site:	Young 01N-65W-28 Pad Sec.28-T1N-R65W	MD Reference:	WELL @ 5086.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Young 01N-65W-28-8N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (9-2-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
5,200.0	5,175.2	5,191.0	5,175.2	13.5	12.3	-91.28	180.5	193.3	165.3	141.7	23.55	7.020	
5,300.0	5,275.2	5,291.0	5,275.2	13.7	12.5	-91.28	180.5	193.3	165.3	141.3	23.96	6.898	
5,400.0	5,375.2	5,391.0	5,375.2	13.8	12.7	-91.28	180.5	193.3	165.3	140.9	24.38	6.780	
5,500.0	5,475.2	5,491.0	5,475.2	14.0	12.9	-91.28	180.5	193.3	165.3	140.5	24.80	6.666	
5,600.0	5,575.2	5,591.0	5,575.2	14.2	13.1	-91.28	180.5	193.3	165.3	140.1	25.22	6.555	
5,700.0	5,675.2	5,691.0	5,675.2	14.4	13.3	-91.28	180.5	193.3	165.3	139.7	25.64	6.448	
5,800.0	5,775.2	5,791.0	5,775.2	14.6	13.5	-91.28	180.5	193.3	165.3	139.2	26.06	6.343	
5,900.0	5,875.2	5,891.0	5,875.2	14.8	13.7	-91.28	180.5	193.3	165.3	138.8	26.48	6.242	
6,000.0	5,975.2	5,991.0	5,975.2	15.0	13.9	-91.28	180.5	193.3	165.3	138.4	26.90	6.144	
6,100.0	6,075.2	6,091.0	6,075.2	15.2	14.2	-91.28	180.5	193.3	165.3	138.0	27.33	6.049	
6,200.0	6,175.2	6,191.0	6,175.2	15.4	14.4	-91.28	180.5	193.3	165.3	137.5	27.75	5.956	
6,300.0	6,275.2	6,291.0	6,275.2	15.6	14.6	-91.28	180.5	193.3	165.3	137.1	28.18	5.866	
6,400.0	6,375.2	6,391.0	6,375.2	15.7	14.8	-91.28	180.5	193.3	165.3	136.7	28.60	5.779	
6,500.0	6,475.2	6,491.0	6,475.2	15.9	15.0	-91.28	180.5	193.3	165.3	136.3	29.03	5.694	
6,600.0	6,575.2	6,591.0	6,575.2	16.1	15.2	-91.28	180.5	193.3	165.3	135.8	29.46	5.611	
6,700.0	6,675.2	6,691.0	6,675.2	16.3	15.4	-91.28	180.5	193.3	165.3	135.4	29.89	5.531	
6,800.0	6,775.2	6,790.8	6,775.0	16.5	15.6	88.71	179.7	193.3	165.3	135.0	30.29	5.456	
6,900.0	6,873.9	6,890.1	6,872.9	16.6	15.7	88.69	164.6	193.3	165.3	134.8	30.53	5.415	
7,000.0	6,967.9	6,989.4	6,966.3	16.7	15.8	88.73	131.2	193.3	165.3	134.6	30.66	5.391	
7,100.0	7,053.7	7,088.7	7,051.7	16.8	15.9	88.81	80.8	193.3	165.3	134.5	30.77	5.372	
7,200.0	7,128.2	7,188.1	7,126.0	16.8	15.9	88.93	15.0	193.3	165.3	134.3	30.96	5.339	
7,300.0	7,188.7	7,287.5	7,186.5	16.9	16.0	89.10	-63.7	193.3	165.3	133.9	31.35	5.273	
7,400.0	7,232.9	7,387.1	7,231.0	17.1	16.3	89.30	-152.6	193.3	165.3	133.2	32.04	5.159	
7,500.0	7,259.2	7,486.8	7,257.9	17.5	16.8	89.52	-248.4	193.3	165.3	132.2	33.08	4.996	
7,600.0	7,266.8	7,586.6	7,266.0	18.1	17.4	89.74	-347.7	193.3	165.3	130.8	34.48	4.793	
7,700.0	7,266.3	7,686.6	7,265.6	18.9	18.3	89.75	-447.7	193.3	165.3	129.0	36.21	4.563	
7,800.0	7,265.8	7,786.6	7,265.1	19.9	19.3	89.75	-547.7	193.3	165.3	127.0	38.25	4.320	
7,900.0	7,265.3	7,886.6	7,264.6	21.0	20.5	89.76	-647.7	193.3	165.3	124.7	40.55	4.076	
8,000.0	7,264.8	7,986.6	7,264.1	22.2	21.7	89.77	-747.7	193.3	165.3	122.2	43.06	3.838	
8,100.0	7,264.3	8,086.6	7,263.7	23.5	23.1	89.77	-847.7	193.3	165.3	119.5	45.76	3.611	
8,200.0	7,263.8	8,186.6	7,263.2	24.9	24.5	89.78	-947.7	193.3	165.3	116.6	48.61	3.400	
8,300.0	7,263.3	8,286.6	7,262.7	26.4	25.9	89.79	-1,047.7	193.3	165.3	113.7	51.59	3.203	
8,400.0	7,262.9	8,386.6	7,262.3	27.9	27.5	89.79	-1,147.7	193.3	165.3	110.6	54.67	3.023	
8,500.0	7,262.4	8,486.6	7,261.8	29.5	29.1	89.80	-1,247.7	193.3	165.3	107.4	57.85	2.857	
8,600.0	7,261.9	8,586.6	7,261.3	31.1	30.7	89.80	-1,347.7	193.3	165.3	104.2	61.09	2.705	
8,700.0	7,261.4	8,686.6	7,260.8	32.7	32.3	89.81	-1,447.7	193.3	165.3	100.8	64.41	2.566	
8,800.0	7,260.9	8,786.6	7,260.4	34.3	34.0	89.82	-1,547.7	193.3	165.3	97.5	67.77	2.438	
8,900.0	7,260.4	8,886.6	7,259.9	36.0	35.7	89.82	-1,647.7	193.3	165.3	94.1	71.19	2.321	
9,000.0	7,259.9	8,986.6	7,259.4	37.7	37.4	89.83	-1,747.7	193.3	165.3	90.6	74.64	2.214	
9,100.0	7,259.4	9,086.6	7,259.0	39.5	39.2	89.83	-1,847.7	193.3	165.3	87.1	78.13	2.115	
9,200.0	7,258.9	9,186.6	7,258.5	41.2	40.9	89.84	-1,947.7	193.3	165.3	83.6	81.66	2.024	
9,300.0	7,258.5	9,286.6	7,258.0	43.0	42.7	89.85	-2,047.7	193.3	165.3	80.1	85.20	1.940	
9,400.0	7,258.0	9,386.6	7,257.5	44.7	44.5	89.85	-2,147.7	193.3	165.3	76.5	88.77	1.862	
9,500.0	7,257.5	9,486.6	7,257.1	46.5	46.3	89.86	-2,247.7	193.3	165.3	72.9	92.37	1.789	
9,600.0	7,257.0	9,586.6	7,256.6	48.3	48.1	89.86	-2,347.7	193.3	165.3	69.3	95.98	1.722	
9,700.0	7,256.5	9,686.6	7,256.1	50.1	49.9	89.87	-2,447.7	193.3	165.3	65.7	99.60	1.659	
9,800.0	7,256.0	9,786.6	7,255.7	51.9	51.7	89.88	-2,547.7	193.3	165.3	62.0	103.24	1.601	
9,900.0	7,255.5	9,886.6	7,255.2	53.7	53.5	89.88	-2,647.7	193.3	165.3	58.4	106.90	1.546	
10,000.0	7,255.0	9,986.6	7,254.7	55.6	55.4	89.89	-2,747.7	193.3	165.3	54.7	110.57	1.495 Level 3	
10,100.0	7,254.6	10,086.6	7,254.2	57.4	57.2	89.89	-2,847.7	193.3	165.3	51.0	114.24	1.447 Level 3	
10,200.0	7,254.1	10,186.6	7,253.8	59.2	59.0	89.90	-2,947.7	193.3	165.3	47.3	117.93	1.401 Level 3	
10,300.0	7,253.6	10,286.6	7,253.3	61.1	60.9	89.91	-3,047.7	193.3	165.3	43.6	121.63	1.359 Level 3	

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

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Young 01N-65W-28-8N
Project:	SEC.28-T1N-R65W	TVD Reference:	WELL @ 5086.0ft (Original Well Elev)
Reference Site:	Young 01N-65W-28 Pad Sec.28-T1N-R65W	MD Reference:	WELL @ 5086.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Young 01N-65W-28-8N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (9-2-14)	Offset TVD Reference:	Offset Datum

Offset Design Young 01N-65W-28 Pad Sec.28-T1N-R65W - Young 01N-65W-28-7N - Wellbore #1 - Plan #1 (9-2-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,400.0	7,253.1	10,386.6	7,252.8	62.9	62.7	89.91	-3,147.7	193.3	165.3	39.9	125.33	1.319	Level 3
10,500.0	7,252.6	10,486.6	7,252.4	64.8	64.6	89.92	-3,247.7	193.3	165.3	36.2	129.04	1.281	Level 3
10,600.0	7,252.1	10,586.6	7,251.9	66.6	66.4	89.92	-3,347.7	193.3	165.3	32.5	132.76	1.245	Level 2
10,700.0	7,251.6	10,686.6	7,251.4	68.5	68.3	89.93	-3,447.7	193.3	165.3	28.8	136.49	1.211	Level 2
10,800.0	7,251.1	10,786.6	7,250.9	70.3	70.2	89.94	-3,547.7	193.3	165.3	25.0	140.22	1.179	Level 2
10,900.0	7,250.6	10,886.6	7,250.5	72.2	72.0	89.94	-3,647.7	193.3	165.3	21.3	143.95	1.148	Level 2
11,000.0	7,250.2	10,986.6	7,250.0	74.1	73.9	89.95	-3,747.7	193.3	165.3	17.6	147.69	1.119	Level 2
11,100.0	7,249.7	11,086.6	7,249.5	75.9	75.8	89.95	-3,847.7	193.3	165.3	13.8	151.44	1.091	Level 2
11,200.0	7,249.2	11,186.6	7,249.1	77.8	77.6	89.96	-3,947.7	193.3	165.3	10.1	155.19	1.065	Level 2
11,300.0	7,248.7	11,286.6	7,248.6	79.7	79.5	89.97	-4,047.7	193.3	165.3	6.3	158.94	1.040	Level 2
11,400.0	7,248.2	11,386.6	7,248.1	81.5	81.4	89.97	-4,147.7	193.3	165.3	2.6	162.70	1.016	Level 2
11,500.0	7,247.7	11,486.6	7,247.6	83.4	83.3	89.98	-4,247.7	193.3	165.3	-1.2	166.46	0.993	Level 1
11,600.0	7,247.2	11,586.6	7,247.2	85.3	85.2	89.98	-4,347.7	193.3	165.3	-5.0	170.22	0.971	Level 1
11,700.0	7,246.7	11,686.6	7,246.7	87.2	87.0	89.99	-4,447.7	193.3	165.3	-8.7	173.99	0.950	Level 1
11,800.0	7,246.2	11,786.6	7,246.2	89.1	88.9	90.00	-4,547.7	193.3	165.3	-12.5	177.76	0.930	Level 1
11,849.3	7,246.0	11,835.9	7,246.0	89.8	89.7	90.00	-4,597.0	193.3	165.3	-14.1	179.31	0.922	Level 1
11,849.6	7,246.0	11,836.2	7,246.0	89.8	89.7	90.00	-4,597.3	193.3	165.3	-14.1	179.32	0.922	Level 1, ES, SF

Offset Design Young 01N-65W-28 Pad Sec.28-T1N-R65W - Young 01N-65W-28-9C - Wellbore #1 - Plan #1 (9-2-14)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
0.0	0.0	1.0	1.0	0.0	0.0	89.99	0.0	16.8	16.8	16.8	0.00	N/A		
100.0	100.0	101.0	101.0	0.1	0.1	89.99	0.0	16.8	16.8	16.6	0.23	74.016		
200.0	200.0	201.0	201.0	0.3	0.3	89.99	0.0	16.8	16.8	16.1	0.68	24.836		
300.0	300.0	301.0	301.0	0.6	0.6	89.99	0.0	16.8	16.8	15.7	1.13	14.921		
400.0	400.0	401.0	401.0	0.8	0.8	89.99	0.0	16.8	16.8	15.2	1.58	10.664		
500.0	500.0	501.0	501.0	1.0	1.0	89.99	0.0	16.8	16.8	14.8	2.03	8.297		
600.0	600.0	601.0	601.0	1.2	1.2	89.99	0.0	16.8	16.8	14.3	2.47	6.790		
700.0	700.0	701.0	701.0	1.5	1.5	89.99	0.0	16.8	16.8	13.9	2.92	5.746		
800.0	800.0	801.0	801.0	1.7	1.7	89.99	0.0	16.8	16.8	13.4	3.37	4.980		
900.0	900.0	901.0	901.0	1.9	1.9	89.99	0.0	16.8	16.8	13.0	3.82	4.395		
966.3	966.3	967.3	967.3	2.1	2.1	89.99	0.0	16.8	16.8	12.7	4.12	4.077	CC	
1,000.0	1,000.0	1,001.0	1,001.0	2.1	2.1	89.99	0.0	16.8	16.8	12.5	4.27	3.933	ES	
1,100.0	1,100.0	1,100.4	1,100.4	2.4	2.4	88.12	0.6	18.5	18.5	13.8	4.71	3.920		
1,200.0	1,200.0	1,199.6	1,199.4	2.6	2.6	84.18	2.4	23.3	23.5	18.4	5.15	4.565		
1,300.0	1,300.0	1,298.4	1,297.9	2.8	2.8	18.55	5.3	31.4	30.3	24.8	5.57	5.446		
1,400.0	1,399.8	1,397.0	1,395.8	3.0	3.0	17.41	9.4	42.6	37.3	31.3	5.99	6.226		
1,500.0	1,499.5	1,496.4	1,494.1	3.2	3.3	17.36	14.4	56.4	43.5	37.1	6.41	6.793		
1,600.0	1,598.7	1,596.3	1,592.9	3.5	3.6	18.50	19.5	70.4	46.8	40.0	6.84	6.849		
1,700.0	1,697.9	1,696.3	1,691.7	3.7	3.9	19.80	24.6	84.5	49.4	42.1	7.29	6.779		
1,800.0	1,797.1	1,796.3	1,790.5	4.0	4.2	20.97	29.7	98.5	52.0	44.3	7.75	6.713		
1,900.0	1,896.3	1,896.2	1,889.4	4.3	4.5	22.03	34.8	112.6	54.6	46.4	8.22	6.650		
2,000.0	1,995.5	1,996.2	1,988.2	4.6	4.8	22.99	39.9	126.6	57.3	48.6	8.69	6.590		
2,100.0	2,094.6	2,096.2	2,087.1	4.8	5.1	23.86	45.0	140.6	60.0	50.8	9.18	6.534		
2,200.0	2,193.8	2,196.1	2,185.9	5.1	5.5	24.66	50.1	154.7	62.6	53.0	9.66	6.480		
2,300.0	2,293.0	2,296.1	2,284.7	5.4	5.8	25.40	55.2	168.7	65.3	55.2	10.16	6.429		
2,400.0	2,392.2	2,396.0	2,383.6	5.7	6.1	26.08	60.3	182.7	68.0	57.3	10.66	6.381		
2,500.0	2,491.4	2,496.0	2,482.4	6.0	6.5	26.70	65.4	196.8	70.7	59.5	11.16	6.335		
2,600.0	2,590.6	2,596.0	2,581.3	6.3	6.8	27.28	70.5	210.8	73.4	61.7	11.67	6.292		
2,700.0	2,689.7	2,695.9	2,680.1	6.6	7.2	27.82	75.6	224.9	76.1	64.0	12.18	6.251		
2,800.0	2,788.9	2,795.9	2,778.9	7.0	7.5	28.32	80.7	238.9	78.9	66.2	12.69	6.212		
2,900.0	2,888.1	2,895.8	2,877.8	7.3	7.9	28.79	85.8	252.9	81.6	68.4	13.21	6.175		
3,000.0	2,987.3	2,995.8	2,976.6	7.6	8.2	29.22	90.9	267.0	84.3	70.6	13.73	6.139		
3,100.0	3,086.5	3,095.8	3,075.4	7.9	8.6	29.63	96.0	281.0	87.1	72.8	14.26	6.106		
3,200.0	3,185.6	3,195.7	3,174.3	8.2	8.9	30.02	101.1	295.0	89.8	75.0	14.78	6.074		
3,300.0	3,284.8	3,295.7	3,273.1	8.5	9.3	30.38	106.2	309.1	92.5	77.2	15.31	6.044		
3,400.0	3,384.0	3,395.6	3,372.0	8.8	9.6	30.72	111.3	323.1	95.3	79.5	15.84	6.015		
3,500.0	3,483.2	3,495.6	3,470.8	9.1	10.0	31.04	116.4	337.2	98.1	81.7	16.38	5.987		
3,600.0	3,582.4	3,595.6	3,569.6	9.5	10.3	31.35	121.5	351.2	100.8	83.9	16.91	5.961		
3,700.0	3,681.6	3,695.5	3,668.5	9.8	10.7	31.63	126.6	365.2	103.6	86.1	17.45	5.936		
3,800.0	3,780.7	3,795.5	3,767.3	10.1	11.0	31.91	131.7	379.3	106.3	88.3	17.98	5.912		
3,900.0	3,879.9	3,895.4	3,866.2	10.4	11.4	32.17	136.8	393.3	109.1	90.6	18.52	5.889		
4,000.0	3,979.1	3,995.4	3,965.0	10.7	11.7	32.41	141.9	407.3	111.9	92.8	19.06	5.868		
4,100.0	4,078.3	4,095.4	4,063.8	11.1	12.1	32.65	147.0	421.4	114.6	95.0	19.61	5.847		
4,200.0	4,177.5	4,195.3	4,162.7	11.4	12.4	32.87	152.1	435.4	117.4	97.2	20.15	5.827		
4,300.0	4,276.7	4,295.3	4,261.5	11.7	12.8	33.08	157.2	449.5	120.2	99.5	20.69	5.807		
4,400.0	4,375.9	4,395.2	4,360.3	12.0	13.1	33.22	162.3	463.5	123.2	102.0	21.22	5.804		
4,500.0	4,475.4	4,495.1	4,459.1	12.2	13.5	32.69	167.4	477.5	128.7	107.0	21.65	5.942		
4,600.0	4,575.2	4,594.7	4,557.5	12.4	13.9	31.46	172.5	491.5	137.1	115.1	21.99	6.233		
4,700.0	4,675.2	4,698.1	4,660.0	12.6	14.2	29.85	177.3	504.8	147.4	125.1	22.26	6.620		
4,800.0	4,775.2	4,802.8	4,764.2	12.8	14.4	91.22	180.9	514.6	156.6	134.1	22.53	6.950		
4,900.0	4,875.2	4,908.1	4,869.2	12.9	14.6	90.36	183.2	521.0	162.6	139.7	22.87	7.110		
5,000.0	4,975.2	5,013.7	4,974.8	13.1	14.8	90.01	184.2	523.7	165.2	141.9	23.23	7.109		

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Young 01N-65W-28-8N
Project:	SEC.28-T1N-R65W	TVD Reference:	WELL @ 5086.0ft (Original Well Elev)
Reference Site:	Young 01N-65W-28 Pad Sec.28-T1N-R65W	MD Reference:	WELL @ 5086.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Young 01N-65W-28-8N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (9-2-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	5,075.2	5,115.1	5,076.2	13.3	14.9	90.00	184.2	523.8	165.3	141.6	23.62	6.998	
5,200.0	5,175.2	5,215.1	5,176.2	13.5	15.1	90.00	184.2	523.8	165.3	141.2	24.01	6.882	
5,300.0	5,275.2	5,315.1	5,276.2	13.7	15.3	90.00	184.2	523.8	165.3	140.8	24.41	6.769	
5,400.0	5,375.2	5,415.1	5,376.2	13.8	15.4	90.00	184.2	523.8	165.3	140.4	24.81	6.660	
5,500.0	5,475.2	5,515.1	5,476.2	14.0	15.6	90.00	184.2	523.8	165.3	140.0	25.22	6.553	
5,600.0	5,575.2	5,615.1	5,576.2	14.2	15.8	90.00	184.2	523.8	165.3	139.6	25.62	6.450	
5,700.0	5,675.2	5,715.1	5,676.2	14.4	15.9	90.00	184.2	523.8	165.3	139.2	26.03	6.350	
5,800.0	5,775.2	5,815.1	5,776.2	14.6	16.1	90.00	184.2	523.8	165.3	138.8	26.43	6.252	
5,900.0	5,875.2	5,915.1	5,876.2	14.8	16.3	90.00	184.2	523.8	165.3	138.4	26.84	6.157	
6,000.0	5,975.2	6,015.1	5,976.2	15.0	16.4	90.00	184.2	523.8	165.3	138.0	27.25	6.064	
6,100.0	6,075.2	6,115.1	6,076.2	15.2	16.6	90.00	184.2	523.8	165.3	137.6	27.66	5.974	
6,200.0	6,175.2	6,215.1	6,176.2	15.4	16.8	90.00	184.2	523.8	165.3	137.2	28.07	5.886	
6,300.0	6,275.2	6,315.1	6,276.2	15.6	17.0	90.00	184.2	523.8	165.3	136.8	28.49	5.801	
6,400.0	6,375.2	6,415.1	6,376.2	15.7	17.1	90.00	184.2	523.8	165.3	136.4	28.90	5.718	
6,500.0	6,475.2	6,515.1	6,476.2	15.9	17.3	90.00	184.2	523.8	165.3	135.9	29.32	5.637	
6,600.0	6,575.2	6,615.1	6,576.2	16.1	17.5	90.00	184.2	523.8	165.3	135.5	29.73	5.558	
6,700.0	6,675.2	6,715.1	6,676.2	16.3	17.7	90.00	184.2	523.8	165.3	135.1	30.15	5.481	
6,760.9	6,736.1	6,776.0	6,737.1	16.5	17.8	-90.36	184.2	523.8	165.3	134.9	30.38	5.439	
6,800.0	6,775.2	6,815.1	6,776.2	16.5	17.9	-90.29	184.2	523.8	165.3	134.7	30.55	5.410	
6,900.0	6,873.9	6,913.8	6,874.9	16.6	18.0	-95.35	184.2	523.8	166.0	135.4	30.61	5.423	
7,000.0	6,967.9	7,009.5	6,970.6	16.7	18.2	-105.35	183.9	523.8	172.5	142.1	30.39	5.675	
7,100.0	7,053.7	7,115.7	7,075.6	16.8	18.3	-116.27	169.3	523.8	187.4	157.6	29.79	6.288	
7,200.0	7,128.2	7,232.8	7,185.3	16.8	18.4	-125.34	129.0	523.8	207.3	178.7	28.64	7.239	
7,300.0	7,188.7	7,362.8	7,293.1	16.9	18.5	-132.37	57.0	523.8	228.5	201.6	26.98	8.472	
7,400.0	7,232.9	7,506.8	7,387.6	17.1	18.6	-137.36	-51.1	523.8	247.1	221.9	25.23	9.795	
7,500.0	7,259.2	7,663.4	7,452.6	17.5	18.9	-140.29	-192.9	523.8	259.6	235.5	24.08	10.779	
7,600.0	7,266.8	7,820.9	7,472.8	18.1	19.6	-141.14	-348.4	523.8	263.4	239.2	24.17	10.898	
7,700.0	7,266.3	7,920.9	7,472.5	18.9	20.3	-141.16	-448.4	523.8	263.5	238.2	25.23	10.442	
7,800.0	7,265.8	8,020.9	7,472.1	19.9	21.2	-141.17	-548.4	523.8	263.6	237.1	26.52	9.940	
7,900.0	7,265.3	8,120.9	7,471.8	21.0	22.2	-141.19	-648.4	523.8	263.7	235.7	27.99	9.420	
8,000.0	7,264.8	8,220.9	7,471.4	22.2	23.4	-141.21	-748.4	523.8	263.8	234.2	29.63	8.902	
8,100.0	7,264.3	8,320.9	7,471.1	23.5	24.6	-141.23	-848.4	523.8	263.9	232.5	31.41	8.401	
8,200.0	7,263.8	8,420.9	7,470.7	24.9	25.9	-141.25	-948.4	523.8	264.0	230.7	33.31	7.927	
8,300.0	7,263.3	8,520.9	7,470.4	26.4	27.3	-141.27	-1,048.4	523.8	264.1	228.8	35.29	7.483	
8,400.0	7,262.9	8,620.9	7,470.0	27.9	28.8	-141.29	-1,148.4	523.8	264.2	226.9	37.36	7.072	
8,500.0	7,262.4	8,720.9	7,469.7	29.5	30.3	-141.31	-1,248.4	523.8	264.3	224.8	39.50	6.692	
8,600.0	7,261.9	8,820.9	7,469.3	31.1	31.9	-141.33	-1,348.4	523.8	264.5	222.8	41.70	6.342	
8,700.0	7,261.4	8,920.9	7,469.0	32.7	33.5	-141.34	-1,448.4	523.8	264.6	220.6	43.94	6.021	
8,800.0	7,260.9	9,020.9	7,468.6	34.3	35.1	-141.36	-1,548.4	523.8	264.7	218.4	46.22	5.726	
8,900.0	7,260.4	9,120.9	7,468.3	36.0	36.7	-141.38	-1,648.4	523.8	264.8	216.2	48.54	5.455	
9,000.0	7,259.9	9,220.9	7,467.9	37.7	38.4	-141.40	-1,748.4	523.8	264.9	214.0	50.89	5.205	
9,100.0	7,259.4	9,320.9	7,467.6	39.5	40.1	-141.42	-1,848.4	523.8	265.0	211.7	53.26	4.975	
9,200.0	7,258.9	9,420.9	7,467.2	41.2	41.8	-141.44	-1,948.4	523.8	265.1	209.4	55.66	4.763	
9,300.0	7,258.4	9,520.9	7,466.9	43.0	43.6	-141.46	-2,048.4	523.8	265.2	207.1	58.07	4.567	
9,400.0	7,258.0	9,620.9	7,466.5	44.7	45.3	-141.48	-2,148.4	523.8	265.3	204.8	60.50	4.385	
9,500.0	7,257.5	9,720.9	7,466.2	46.5	47.1	-141.50	-2,248.4	523.8	265.4	202.5	62.95	4.217	
9,600.0	7,257.0	9,820.9	7,465.9	48.3	48.8	-141.51	-2,348.4	523.8	265.5	200.1	65.41	4.060	
9,700.0	7,256.5	9,920.9	7,465.5	50.1	50.6	-141.53	-2,448.4	523.8	265.7	197.8	67.88	3.914	
9,800.0	7,256.0	10,020.9	7,465.2	51.9	52.4	-141.55	-2,548.4	523.8	265.8	195.4	70.36	3.777	
9,900.0	7,255.5	10,120.9	7,464.8	53.7	54.2	-141.57	-2,648.4	523.8	265.9	193.0	72.85	3.650	
10,000.0	7,255.0	10,220.9	7,464.5	55.6	56.0	-141.59	-2,748.4	523.8	266.0	190.6	75.35	3.530	
10,100.0	7,254.6	10,320.9	7,464.1	57.4	57.8	-141.61	-2,848.4	523.8	266.1	188.2	77.85	3.418	

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

Company:	Verdad Oil & Gas Corporation	Local Co-ordinate Reference:	Well Young 01N-65W-28-8N
Project:	SEC.28-T1N-R65W	TVD Reference:	WELL @ 5086.0ft (Original Well Elev)
Reference Site:	Young 01N-65W-28 Pad Sec.28-T1N-R65W	MD Reference:	WELL @ 5086.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Young 01N-65W-28-8N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (9-2-14)	Offset TVD Reference:	Offset Datum

Offset Design Young 01N-65W-28 Pad Sec.28-T1N-R65W - Young 01N-65W-28-9C - Wellbore #1 - Plan #1 (9-2-14)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,200.0	7,254.1	10,420.9	7,463.8	59.2	59.7	-141.63	-2,948.4	523.8	266.2	185.8	80.36	3.313	
10,300.0	7,253.6	10,520.9	7,463.4	61.1	61.5	-141.64	-3,048.4	523.8	266.3	183.4	82.87	3.213	
10,400.0	7,253.1	10,620.9	7,463.1	62.9	63.3	-141.66	-3,148.4	523.8	266.4	181.0	85.39	3.120	
10,500.0	7,252.6	10,720.9	7,462.7	64.8	65.2	-141.68	-3,248.4	523.8	266.5	178.6	87.92	3.032	
10,600.0	7,252.1	10,820.9	7,462.4	66.6	67.0	-141.70	-3,348.4	523.8	266.6	176.2	90.44	2.948	
10,700.0	7,251.6	10,920.9	7,462.0	68.5	68.8	-141.72	-3,448.4	523.8	266.7	173.8	92.98	2.869	
10,800.0	7,251.1	11,020.9	7,461.7	70.3	70.7	-141.74	-3,548.4	523.8	266.9	171.3	95.51	2.794	
10,900.0	7,250.6	11,120.9	7,461.3	72.2	72.6	-141.76	-3,648.4	523.8	267.0	168.9	98.05	2.723	
11,000.0	7,250.2	11,220.9	7,461.0	74.1	74.4	-141.78	-3,748.4	523.8	267.1	166.5	100.58	2.655	
11,100.0	7,249.7	11,320.9	7,460.6	75.9	76.3	-141.79	-3,848.4	523.8	267.2	164.1	103.12	2.591	
11,200.0	7,249.2	11,420.9	7,460.3	77.8	78.1	-141.81	-3,948.4	523.8	267.3	161.6	105.67	2.530	
11,300.0	7,248.7	11,520.9	7,459.9	79.7	80.0	-141.83	-4,048.4	523.8	267.4	159.2	108.21	2.471	
11,400.0	7,248.2	11,620.9	7,459.6	81.5	81.9	-141.85	-4,148.4	523.8	267.5	156.8	110.75	2.415	
11,500.0	7,247.7	11,720.9	7,459.2	83.4	83.7	-141.87	-4,248.4	523.8	267.6	154.3	113.30	2.362	
11,600.0	7,247.2	11,820.9	7,458.9	85.3	85.6	-141.89	-4,348.4	523.8	267.7	151.9	115.85	2.311	
11,700.0	7,246.7	11,920.9	7,458.5	87.2	87.5	-141.90	-4,448.4	523.8	267.8	149.5	118.39	2.262	
11,800.0	7,246.2	12,020.9	7,458.2	89.1	89.3	-141.92	-4,548.4	523.8	268.0	147.0	120.94	2.216	
11,849.6	7,246.0	12,069.8	7,458.0	89.8	90.3	-141.93	-4,597.3	523.8	268.0	146.0	122.04	2.196 SF	

Company: Verdad Oil & Gas Corporation
Project: SEC.28-T1N-R65W
Reference Site: Young 01N-65W-28 Pad Sec.28-T1N-R65W
Site Error: 0.0ft
Reference Well: Young 01N-65W-28-8N
Well Error: 0.0ft
Reference Wellbore: Wellbore #1
Reference Design: Plan #1 (9-2-14)

Local Co-ordinate Reference: Well Young 01N-65W-28-8N
TVD Reference: WELL @ 5086.0ft (Original Well Elev)
MD Reference: WELL @ 5086.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at 2.00 sigma
Database: Landmark
Offset TVD Reference: Offset Datum

Reference Depths are relative to WELL @ 5086.0ft (Original Well Elev) Coordinates are relative to: Young 01N-65W-28-8N

Offset Depths are relative to Offset Datum

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.54°

