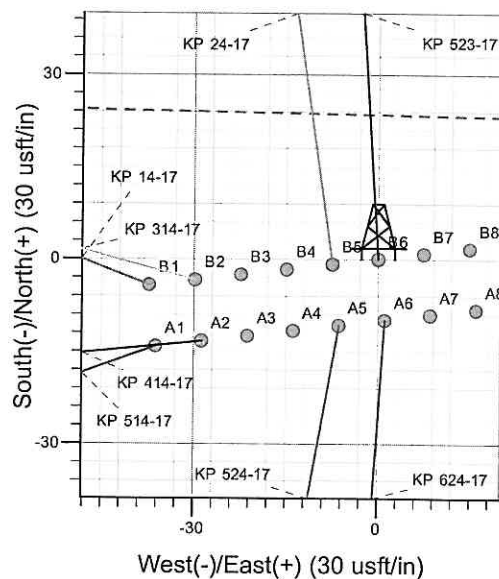
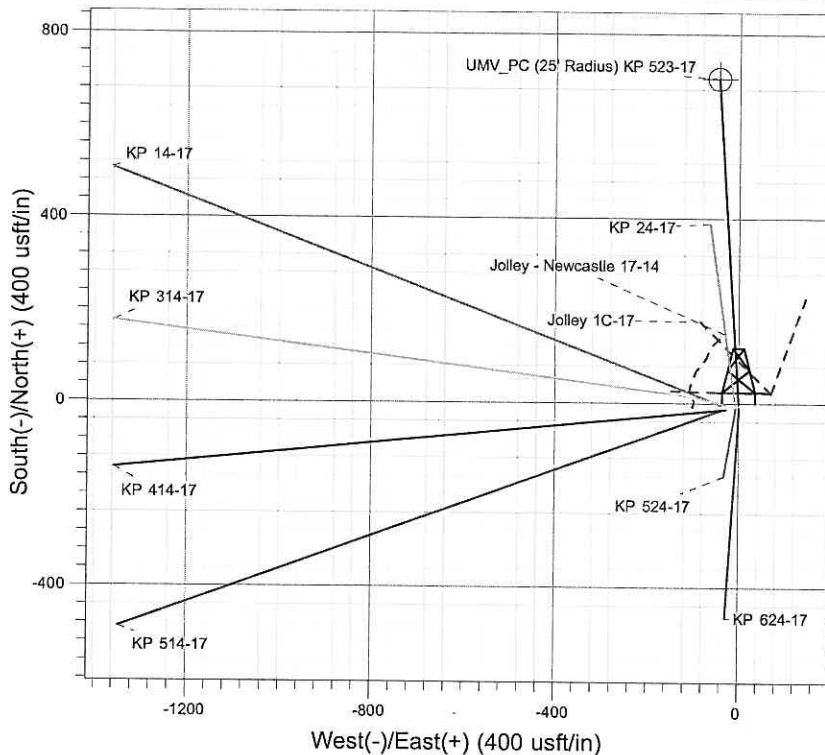
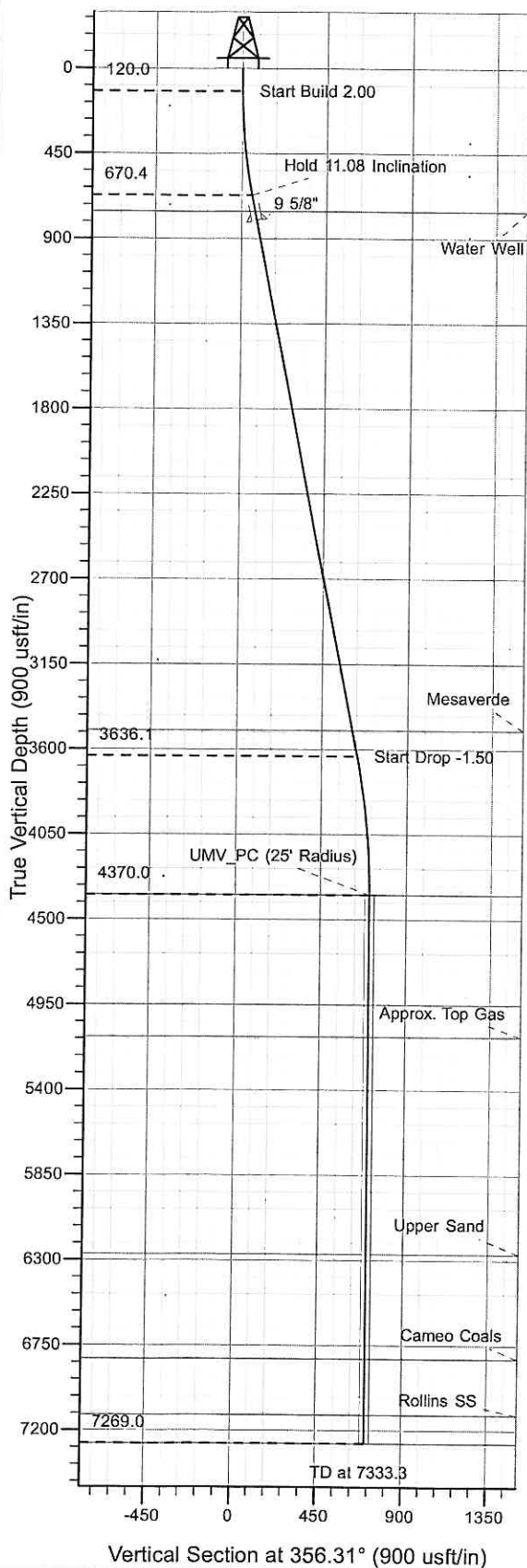




Well Name: KP 523-17
 Surface Location: KP 24-17 Pad
 North American Datum 1983 , US State Plane 1983, Colorado Central Zone
 Ground Elevation: 6290.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1621796.74	2413113.67	39° 31' 19.780 N	107° 34' 50.282 W	B6

KELLY BUSHING @ 6316.0usft (SSD 574 (26' KB) kjs)



Project: Sec. 17-06S-091W
 Site: KP 24-17 Pad
 Well: KP 523-17
 Plan #2 17Mar10 kjs

T M Azimuths to True North
 Magnetic North: 10.38°
 Magnetic Field
 Strength: 52523.4snT
 Dip Angle: 65.90°
 Date: 8/31/2009
 Model: IGRF2005-10

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSec	Departure	Annotation
120.0	120.0	0.00	0.00	0.0	0.0	0.0	0.0	Start Build 2.00
670.4	673.9	11.08	356.31	53.3	-3.4	53.4	53.4	Hold 11.08 Inclination
3636.1	3695.8	11.08	356.31	632.7	-40.8	634.0	634.0	Start Drop -1.50
4370.0	4434.3	0.00	0.00	703.7	-45.4	705.2	705.2	UMV_PC
7269.0	7333.3	0.00	0.00	703.7	-45.4	705.2	705.2	TD at 7333.3

KOKOPELLI FIELD

Sec. 17-06S-091W

KP 24-17 Pad

KP 523-17 - Slot B6

Wellbore #1

Plan: Plan #2 17Mar10 kjs

Standard Planning Report - Geographic

13 April, 2010

Williams
Planning Report - Geographic

Database:	Compass R5000 WIN AUTH	Local Co-ordinate Reference:	Well KP 523-17 - Slot B6
Company:	KOKOPELLI FIELD	TVD Reference:	KELLY BUSHING @ 6316.0usft (SSD 574 (26' KB) kjs)
Project:	Sec. 17-06S-091W	MD Reference:	KELLY BUSHING @ 6316.0usft (SSD 574 (26' KB) kjs)
Site:	KP 24-17 Pad	North Reference:	True
Well:	KP 523-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 17Mar10 kjs		

Project	Sec. 17-06S-091W, Garfield County, CO		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Central Zone		

Site	KP 24-17 Pad			
Site Position:		Northing:	1,621,790.60 usft	Latitude: 39° 31' 19.729 N
From:	Map	Easting:	2,413,156.80 usft	Longitude: 107° 34' 49.730 W
Position Uncertainty:	0.0 usft	Slot Radius:	13.200 in	Grid Convergence: -1.312 °

Well	KP 523-17 - Slot B6			
Well Position	+N/-S	0.0 usft	Northing:	1,621,796.74 usft
	+E/-W	0.0 usft	Easting:	2,413,113.68 usft
Position Uncertainty	0.0 usft		Wellhead Elevation:	
			Ground Level:	6,290.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005-10	8/31/2009	10.376	65.898	52,523

Design	Plan #2 17Mar10 kjs			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	356.31

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.000	
120.0	0.00	0.00	120.0	0.0	0.0	0.00	0.00	0.00	0.000	
673.9	11.08	356.31	670.4	53.3	-3.4	2.00	2.00	0.00	356.309	
3,695.8	11.08	356.31	3,636.1	632.7	-40.8	0.00	0.00	0.00	0.000	
4,434.3	0.00	0.00	4,370.0	703.7	-45.4	1.50	-1.50	0.00	180.000	UMV_PC (25' Radius)
7,333.3	0.00	0.00	7,269.0	703.7	-45.4	0.00	0.00	0.00	0.000	

Williams
Planning Report - Geographic

Database:	Compass R5000 WIN AUTH	Local Co-ordinate Reference:	Well KP 523-17 - Slot B6
Company:	KOKOPELLI FIELD	TVD Reference:	KELLY BUSHING @ 6316.0usft (SSD 574 (26' KB) kjs)
Project:	Sec. 17-06S-091W	MD Reference:	KELLY BUSHING @ 6316.0usft (SSD 574 (26' KB) kjs)
Site:	KP 24-17 Pad	North Reference:	True
Well:	KP 523-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 17Mar10 kjs		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
0.0	0.00	0.00	0.0	0.0	0.0	1,621,796.74	2,413,113.68	39° 31' 19.780 N	107° 34' 50.282 W	
120.0	0.00	0.00	120.0	0.0	0.0	1,621,796.74	2,413,113.68	39° 31' 19.780 N	107° 34' 50.282 W	
Start Build 2.00										
673.9	11.08	356.31	670.4	53.3	-3.4	1,621,850.07	2,413,111.46	39° 31' 20.306 N	107° 34' 50.326 W	
Hold 11.08 Inclination										
761.1	11.08	356.31	756.0	70.0	-4.5	1,621,866.81	2,413,110.76	39° 31' 20.472 N	107° 34' 50.340 W	
Water Well										
812.0	11.08	356.31	806.0	79.8	-5.1	1,621,876.59	2,413,110.36	39° 31' 20.568 N	107° 34' 50.348 W	
9 5/8"										
3,556.1	11.08	356.31	3,499.0	605.9	-39.1	1,622,403.37	2,413,088.47	39° 31' 25.768 N	107° 34' 50.781 W	
Mesaverde										
3,695.8	11.08	356.31	3,636.1	632.7	-40.8	1,622,430.19	2,413,087.36	39° 31' 26.033 N	107° 34' 50.803 W	
Start Drop -1.50										
4,434.3	0.00	0.00	4,370.0	703.7	-45.4	1,622,501.30	2,413,084.40	39° 31' 26.735 N	107° 34' 50.862 W	
UMV_PC - UMV_PC										
5,183.3	0.00	0.00	5,119.0	703.7	-45.4	1,622,501.30	2,413,084.40	39° 31' 26.735 N	107° 34' 50.862 W	
Approx. Top Gas										
6,333.3	0.00	0.00	6,269.0	703.7	-45.4	1,622,501.30	2,413,084.40	39° 31' 26.735 N	107° 34' 50.862 W	
Upper Sand										
6,886.3	0.00	0.00	6,822.0	703.7	-45.4	1,622,501.30	2,413,084.40	39° 31' 26.735 N	107° 34' 50.862 W	
Cameo Coals										
7,183.3	0.00	0.00	7,119.0	703.7	-45.4	1,622,501.30	2,413,084.40	39° 31' 26.735 N	107° 34' 50.862 W	
Rollins SS										
7,333.3	0.00	0.00	7,269.0	703.7	-45.4	1,622,501.30	2,413,084.40	39° 31' 26.735 N	107° 34' 50.862 W	
TD at 7333.3 - TD										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
UMV_PC (25' Radius) K	0.00	0.00	4,370.0	703.7	-45.4	1,622,501.30	2,413,084.40	39° 31' 26.735 N	107° 34' 50.862 W	
- hit/miss target										
- Shape										
- plan hits target center										
- Circle (radius 25.0)										

Casing Points							Casing Diameter (in)	Hole Diameter (in)
Measured Depth (usft)	Vertical Depth (usft)	Name						
812.0	806.0	9 5/8"					9.625	12.250

Williams
Planning Report - Geographic

Database:	Compass R5000 WIN AUTH	Local Co-ordinate Reference:	Well KP 523-17 - Slot B6
Company:	KOKOPELLI FIELD	TVD Reference:	KELLY BUSHING @ 6316.0usft (SSD 574 (26' KB) kjs)
Project:	Sec. 17-06S-091W	MD Reference:	KELLY BUSHING @ 6316.0usft (SSD 574 (26' KB) kjs)
Site:	KP 24-17 Pad	North Reference:	True
Well:	KP 523-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 17Mar10 kjs		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
761.1	756.0	Water Well		0.000		
3,556.1	3,499.0	Mesaverde		0.000		
4,434.3	4,370.0	UMV_PC		0.000		
5,183.3	5,119.0	Approx. Top Gas		0.000		
6,333.3	6,269.0	Upper Sand		0.000		
6,886.3	6,822.0	Cameo Coals		0.000		
7,183.3	7,119.0	Rollins SS		0.000		
7,333.3	7,269.0	TD		0.000		

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
120.0	120.0	0.0	0.0	Start Build 2.00	
673.9	670.4	53.3	-3.4	Hold 11.08 Inclination	
3,695.8	3,636.1	632.7	-40.8	Start Drop -1.50	
4,434.3	4,370.0	703.7	-45.4	UMV_PC	
7,333.3	7,269.0	703.7	-45.4	TD at 7333.3	