

Rubicon Oil & Gas

Weld County

Pawnee 10-67-16-1

Pawnee 10-67-16-1

Single Lateral

Plan: Plan 1

Standard Planning Report

05 May, 2010

Planning Report

Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Site Pawnee 10-67-16-1
Company:	Rubicon Oil & Gas	TVD Reference:	Est. RKB @ 5624.7ft (Ensign 14)
Project:	Weld County	MD Reference:	Est. RKB @ 5624.7ft (Ensign 14)
Site:	Pawnee 10-67-16-1	North Reference:	True
Well:	Pawnee 10-67-16-1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Single Lateral		
Design:	Plan 1		

Project	Weld County		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site		Pawnee 10-67-16-1			
Site Position:		Northing:	1,549,208.88 ft	Latitude:	40° 50' 21.930 N
From:	Lat/Long	Easting:	3,165,485.76 ft	Longitude:	104° 54' 6.973 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.39 °

Well		Pawnee 10-67-16-1				
Well Position	+N/-S	0.0 ft	Northing:	1,549,208.88 ft	Latitude:	40° 50' 21.930 N
	+E/-W	0.0 ft	Easting:	3,165,485.76 ft	Longitude:	104° 54' 6.973 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	0.0 ft

Wellbore	Single Lateral				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	5/5/2010	9.13	67.42	53,457

Design	Plan 1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	7,780.0	0.0	0.0	185.66

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	
7,302.5	0.00	0.00	7,302.5	0.0	0.0	0.00	0.00	0.00	0.00	
8,052.5	90.00	185.66	7,780.0	-475.1	-47.1	12.00	12.00	0.00	185.66	
11,551.5	90.00	185.66	7,780.0	-3,957.1	-392.0	0.00	0.00	0.00	0.00	PBHL - Pawnee 10-67-16-1

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Wellbore:	Single Lateral		
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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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
7,302.5	0.00	0.00	7,302.5	0.0	0.0	0.0	0.00	0.00	0.00
7,500.0	23.70	185.66	7,494.4	-40.1	-4.0	40.3	12.00	12.00	0.00
8,000.0	83.70	185.66	7,777.1	-423.0	-41.9	425.0	12.00	12.00	0.00
8,051.5	89.88	185.66	7,780.0	-474.1	-47.0	476.4	12.00	12.00	0.00
Intermediate									
8,052.5	90.00	185.66	7,780.0	-475.1	-47.1	477.5	12.00	12.00	0.00
8,500.0	90.00	185.66	7,780.0	-920.4	-91.2	924.9	0.00	0.00	0.00
9,000.0	90.00	185.66	7,780.0	-1,418.0	-140.5	1,424.9	0.00	0.00	0.00
9,500.0	90.00	185.66	7,780.0	-1,915.6	-189.8	1,924.9	0.00	0.00	0.00
10,000.0	90.00	185.66	7,780.0	-2,413.1	-239.0	2,424.9	0.00	0.00	0.00
10,500.0	90.00	185.66	7,780.0	-2,910.7	-288.3	2,924.9	0.00	0.00	0.00
11,000.0	90.00	185.66	7,780.0	-3,408.2	-337.6	3,424.9	0.00	0.00	0.00
11,500.0	90.00	185.66	7,780.0	-3,905.8	-386.9	3,924.9	0.00	0.00	0.00
11,551.5	90.00	185.66	7,780.0	-3,957.1	-392.0	3,976.5	0.00	0.00	0.00
PBHL - Pawnee 10-67-16-1									

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
8,051.5	7,780.0	Intermediate	7	8-3/4