

Mewbourne Oil Co

Eddy, New Mexico

Sec 22-20S-25E

Quick Draw 22 DE #1H

Wellbore #1

Plan: Design #1



DDC Well Planning Report

04 February, 2011

30-015-38474



DDC

Well Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Quick Draw 22 DE #1H
Company:	Mewbourne Oil Co	TVD Reference:	WELL @ 3470.0usft (Patterson UTI #101)
Project:	Eddy, New Mexico	MD Reference:	WELL @ 3470.0usft (Patterson UTI #101)
Site:	Sec 22-20S-25E	North Reference:	Grid
Well:	Quick Draw 22 DE #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	Eddy, New Mexico		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Sec 22-20S-25E		
Site Position:		Northing:	569,466.97 usft
From:	Map	Easting:	455,035.44 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 33' 55.754 N
		Longitude:	104° 28' 45.428 W
		Grid Convergence:	-0.08 °

Well	Quick Draw 22 DE #1H		
Well Position	+N/-S	0.0 usft	Northing: 569,466.97 usft
	+E/-W	0.0 usft	Easting: 455,035.44 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	Latitude: 32° 33' 55.754 N
			Longitude: 104° 28' 45.428 W
			Ground Level: 3,451.0 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2010	2/4/2011	8.07
			Dip Angle (°) 60.35
			Field Strength (nT) 48,754

Design	Design #1		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.0	0.0	0.0
			Direction (°) 179.99

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	0.00	
2,108.1	0.00	0.00	2,108.1	0.0	0.0	0.00	0.00	0.00	0.00	
2,999.2	89.11	179.99	2,681.0	-564.1	0.1	10.00	10.00	20.20	179.99	
4,550.3	89.11	179.99	2,705.0	-2,115.0	0.3	0.00	0.00	0.00	0.00	PBHL Quick Draw 2

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Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
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
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
Build 10°/100' @ 2108' MD									
2,108.1	0.00	0.00	2,108.1	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	9.19	179.99	2,199.6	-7.4	0.0	7.4	10.00	10.00	0.00
2,300.0	19.19	179.99	2,296.4	-31.8	0.0	31.8	10.00	10.00	0.00
2,400.0	29.19	179.99	2,387.5	-72.8	0.0	72.8	10.00	10.00	0.00
2,500.0	39.19	179.99	2,470.1	-128.9	0.0	128.9	10.00	10.00	0.00
2,600.0	49.19	179.99	2,541.8	-198.5	0.0	198.5	10.00	10.00	0.00
2,700.0	59.19	179.99	2,600.2	-279.5	0.0	279.5	10.00	10.00	0.00
2,800.0	69.19	179.99	2,643.7	-369.4	0.0	369.4	10.00	10.00	0.00
2,900.0	79.19	179.99	2,670.9	-465.5	0.1	465.5	10.00	10.00	0.00
EOB @ 2999' MD / 89.11° Inc / 179.99° Azm / 2681' TVD									
2,999.2	89.11	179.99	2,681.0	-564.1	0.1	564.1	10.00	10.00	0.00
3,000.0	89.11	179.99	2,681.0	-564.9	0.1	564.9	0.00	0.00	0.00
3,100.0	89.11	179.99	2,682.5	-664.8	0.1	664.8	0.00	0.00	0.00
3,200.0	89.11	179.99	2,684.1	-764.8	0.1	764.8	0.00	0.00	0.00
3,300.0	89.11	179.99	2,685.6	-864.8	0.1	864.8	0.00	0.00	0.00
3,400.0	89.11	179.99	2,687.2	-964.8	0.1	964.8	0.00	0.00	0.00
3,500.0	89.11	179.99	2,688.7	-1,064.8	0.1	1,064.8	0.00	0.00	0.00
3,600.0	89.11	179.99	2,690.3	-1,164.8	0.1	1,164.8	0.00	0.00	0.00
3,700.0	89.11	179.99	2,691.8	-1,264.8	0.2	1,264.8	0.00	0.00	0.00
3,800.0	89.11	179.99	2,693.4	-1,364.8	0.2	1,364.8	0.00	0.00	0.00
3,900.0	89.11	179.99	2,694.9	-1,464.8	0.2	1,464.8	0.00	0.00	0.00
4,000.0	89.11	179.99	2,696.5	-1,564.7	0.2	1,564.7	0.00	0.00	0.00
4,100.0	89.11	179.99	2,698.0	-1,664.7	0.2	1,664.7	0.00	0.00	0.00
4,200.0	89.11	179.99	2,699.6	-1,764.7	0.2	1,764.7	0.00	0.00	0.00
4,300.0	89.11	179.99	2,701.1	-1,864.7	0.2	1,864.7	0.00	0.00	0.00
4,400.0	89.11	179.99	2,702.7	-1,964.7	0.2	1,964.7	0.00	0.00	0.00
4,500.0	89.11	179.99	2,704.2	-2,064.7	0.2	2,064.7	0.00	0.00	0.00
TD @ 4550' MD / 2705' TVD									
4,550.3	89.11	179.99	2,705.0	-2,115.0	0.3	2,115.0	0.00	0.00	0.00

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Wellbore:	Wellbore #1		
Design:	Design #1		

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target - Shape									
PBHL Quick Draw 22 - plan hits target center - Point	0.00	360.00	2,705.0	-2,115.0	0.3	567,351.96	455,035.69	32° 33' 34.824 N	104° 28' 45.391 W

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2,108.1	2,108.1	0.0	0.0	Build 10°/100' @ 2108' MD
2,999.2	2,681.0	-564.1	0.1	EOB @ 2999' MD / 89.11° Inc / 179.99° Azm / 2681' TVD
4,550.3	2,705.0	-2,115.0	0.3	TD @ 4550' MD / 2705' TVD