



Company: Mewbourne Oil Co.
Lease/Well: Four Peaks 35 Federal Com /No. 002H
Location: 20 Miles NE of Carlsbad
Rig Name: Patterson 45
State/County: New Mexico/Eddy
Latitude: 32.62
GRID North is 0.15 Degrees East of True North
VS-Azi: 0.00 Degrees



Depth Reference : RKB = 21 Feet

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: four peaks 35 fed com 2h_ed.ut

Minimum Curvature Method

Report Date/Time: 5/8/2012 / 16:22

Vaughn Energy Services

Midland, Texas

432-563-5444

Surveyor: Eric McMahon

Four Peaks 35 Federal Com No. 002H / API# 30-015-39420

30-015-39420

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
100.00	0.63	92.59	100.00	-0.02	0.55	-0.02	0.55	92.59	0.63
200.00	0.46	66.05	199.99	0.11	1.46	0.11	1.47	85.63	0.30
300.00	0.42	71.19	299.99	0.39	2.18	0.39	2.21	79.78	0.05
400.00	0.59	52.71	399.99	0.82	2.93	0.82	3.05	74.36	0.23
500.00	0.60	14.55	499.98	1.64	3.47	1.64	3.84	64.72	0.39
600.00	1.00	26.91	599.97	2.92	4.00	2.92	4.95	53.82	0.43
700.00	1.06	47.21	699.96	4.33	5.07	4.33	6.67	49.52	0.37
800.00	1.20	39.62	799.94	5.77	6.42	5.77	8.63	48.07	0.21
900.00	1.67	32.39	899.91	7.81	7.87	7.81	11.08	45.24	0.50
1000.00	2.18	53.61	999.85	10.16	10.18	10.16	14.38	45.05	0.87
1100.00	2.55	71.84	1099.77	11.98	13.82	11.98	18.29	49.08	0.83
1200.00	2.19	71.77	1199.68	13.27	17.75	13.27	22.17	53.21	0.35
1300.00	2.00	74.04	1299.61	14.35	21.24	14.35	25.64	55.96	0.21
1400.00	1.56	86.58	1399.57	14.91	24.28	14.91	28.49	58.44	0.58
1500.00	1.29	105.13	1499.53	14.70	26.73	14.70	30.50	61.19	0.53
1600.00	1.17	85.42	1599.51	14.49	28.83	14.49	32.27	63.32	0.44
1700.00	1.37	82.54	1699.49	14.72	31.04	14.72	34.36	64.62	0.20
1800.00	0.99	96.14	1799.47	14.79	33.08	14.79	36.24	65.91	0.47

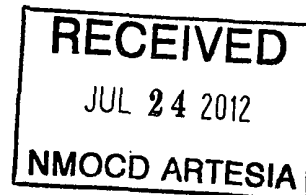
OPERATOR
WELL/LEASE
COUNTY

MEWBOURNE OIL COMPANY
FOUR PEAKS 35 FED COM 2H
EDDY

045-0083

STATE OF NEW MEXICO
DEVIATION REPORT

386	0.21
786	0.52
1,092	2.68
1,180	2.69
1,283	1.75
1,491	1.54
1,650	1.38
1,840	1.06
2,158	0.73
2,460	2.86
2,567	2.32
2,821	1.41
2,948	1.66
3,075	0.87
3,251	0.70
3,492	0.21
3,975	0.21
4,386	0.76
4,890	0.68
5,339	0.37
5,810	1.25
5,930	1.12
6,070	1.10
6,355	1.37
6,480	0.88
6,737	0.62
7,118	1.84
7,245	1.53



STATE OF TEXAS

COUNTY OF MIDLAND

BY: _____

Received

The foregoing instrument was acknowledged before me on
Kyle Hollingsworth on behalf of Patterson-UTI Drilling Company LLC.

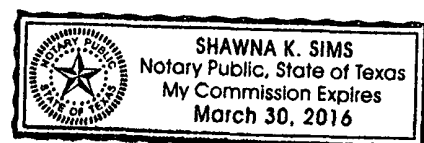
5/29/12 by JUN 04 2012

Mewbourne Oil Company
Hobbs

Shawna K Sims

Notary Public for Midland County, Texas

My Commission Expires:





Mewbourne Oil Co

Eddy County, New Mexico

Sec35-19S-29E

Four Peaks 35 Fed Com #2H

Wellbore #1

Survey: MWD

DDC Survey Report

22 May, 2012



DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Four Peaks 35 Fed Com #2H
Project:	Eddy County, New Mexico	TVD Reference:	WELL @ 3334.0usft (Patterson-UTI Rig 45)
Site:	Sec35-19S-29E	MD Reference:	WELL @ 3334.0usft (Patterson-UTI Rig 45)
Well:	Four Peaks 35 Fed Com #2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Project:	Eddy County, 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:	Sec35-19S-29E		
Site Position:		Northing:	590,381.51 usft
From:	Map	Easting:	586,446.05 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 37' 21.895 N
		Longitude:	104° 3' 9.204 W
		Grid Convergence:	0.15 °

Well:	Four Peaks 35 Fed Com #2H		
Well Position	+N-S	0.0 usft	Northing:
	+E-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 37' 7.896 N
		Longitude:	104° 3' 9.240 W
		Ground Level:	3,314.0 usft

Wellbore:	Wellbore #1		
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	4/25/2012	7.73	60.45	48,715

Design:	Wellbore #1		
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Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0

Vertical Section:	Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)	Direction (°)
	0.0	0.0	0.0	94.44

Survey Program	Date	From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
	5/22/2012	100.0	7,370.0	Gyro (Wellbore #1)	Good_gyro	Good Gyro
		7,608.0	12,520.0	MWD (Wellbore #1)	MWD default	MWD - Standard

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)
TIE IN @ 7370 MD / 7368 TVD										
	7,370.0	1.82	230.26	7,368.4	-4.4	36.0	36.3	0.00	0.00	0.00
	7,608.0	2.40	179.00	7,606.3	-11.8	33.2	34.0	0.80	0.24	-21.54
	7,640.0	2.70	163.90	7,638.2	-13.2	33.4	34.3	2.29	0.94	-47.19
	7,672.0	5.20	132.70	7,670.2	-14.9	34.7	35.8	10.03	7.81	-97.50
	7,704.0	7.90	121.00	7,702.0	-17.0	37.7	38.9	9.37	8.44	-36.56
	7,736.0	11.50	119.90	7,733.5	-19.8	42.3	43.7	11.26	11.25	-3.44
	7,767.0	15.30	120.60	7,763.7	-23.4	48.5	50.2	12.27	12.26	2.26
	7,799.0	19.00	119.60	7,794.2	-28.1	56.7	58.7	11.60	11.56	-3.13
	7,831.0	22.80	118.80	7,824.1	-33.7	66.6	69.0	11.91	11.88	-2.50

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Well:	Four Peaks 35 Fed Com #2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

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)
7,862.0	26.70	118.70	7,852.3	-39.9	78.0	80.9	12.58	12.58	-0.32
7,894.0	30.40	116.40	7,880.4	-47.0	91.6	94.9	12.06	11.56	-7.19
7,926.0	33.90	113.90	7,907.5	-54.2	107.0	110.9	11.70	10.94	-7.81
7,958.0	37.50	112.20	7,933.4	-61.5	124.2	128.6	11.67	11.25	-5.31
7,989.0	41.50	111.10	7,957.4	-68.8	142.5	147.4	13.10	12.90	-3.55
8,021.0	45.40	110.20	7,980.6	-76.5	163.1	168.5	12.34	12.19	-2.81
8,053.0	49.20	109.50	8,002.3	-84.5	185.2	191.2	11.98	11.88	-2.19
8,085.0	53.10	108.80	8,022.3	-92.7	208.7	215.3	12.31	12.19	-2.19
8,117.0	56.90	107.10	8,040.7	-100.7	233.7	240.8	12.65	11.88	-5.31
8,148.0	60.40	105.10	8,056.8	-108.1	259.1	266.7	12.56	11.29	-6.45
8,180.0	64.50	102.70	8,071.6	-114.9	286.6	294.7	14.43	12.81	-7.50
8,212.0	68.30	100.70	8,084.4	-120.8	315.4	323.8	13.18	11.88	-6.25
8,244.0	72.60	99.00	8,095.1	-126.0	345.1	353.8	14.34	13.44	-5.31
8,276.0	77.00	97.60	8,103.5	-130.4	375.6	384.6	14.38	13.75	-4.38
8,307.0	79.80	97.20	8,109.8	-134.3	405.7	414.9	9.12	9.03	-1.29
8,339.0	81.90	96.90	8,114.9	-138.2	437.1	446.5	6.63	6.56	-0.94
8,371.0	85.00	95.70	8,118.5	-141.7	468.7	478.2	10.38	9.69	-3.75
8,458.0	88.70	96.20	8,123.3	-150.7	555.1	565.1	4.29	4.25	0.57
8,522.0	87.00	95.10	8,125.7	-157.0	618.7	629.0	3.16	-2.66	-1.72
8,585.0	86.00	92.50	8,129.5	-161.1	681.4	691.9	4.41	-1.59	-4.13
8,648.0	87.10	90.60	8,133.3	-162.8	744.3	754.7	3.48	1.75	-3.02
8,680.0	88.60	90.40	8,134.5	-163.1	776.3	786.6	4.73	4.69	-0.63
8,712.0	88.60	90.20	8,135.3	-163.3	808.3	818.5	0.62	0.00	-0.63
8,743.0	88.40	90.60	8,136.1	-163.5	839.2	849.4	1.44	-0.65	1.29
8,775.0	88.10	90.90	8,137.1	-163.9	871.2	881.3	1.33	-0.94	0.94
8,807.0	87.80	90.60	8,138.2	-164.3	903.2	913.2	1.33	-0.94	-0.94
8,838.0	87.40	90.40	8,139.5	-164.6	934.2	944.1	1.44	-1.29	-0.65
8,870.0	87.10	90.20	8,141.1	-164.8	966.1	976.0	1.13	-0.94	-0.63
8,902.0	88.30	89.50	8,142.4	-164.7	998.1	1,007.9	4.34	3.75	-2.19
8,934.0	88.20	89.50	8,143.3	-164.4	1,030.1	1,039.7	0.31	-0.31	0.00
8,966.0	89.60	88.60	8,143.9	-163.9	1,062.1	1,071.6	5.20	4.38	-2.81
8,998.0	89.40	88.30	8,144.2	-163.0	1,094.1	1,103.4	1.13	-0.63	-0.94
9,029.0	89.30	89.70	8,144.6	-162.5	1,125.1	1,134.3	4.53	-0.32	4.52
9,061.0	88.70	89.50	8,145.1	-162.3	1,157.1	1,166.1	1.98	-1.88	-0.63
9,092.0	87.90	89.30	8,146.1	-161.9	1,188.0	1,197.0	2.66	-2.58	-0.65
9,124.0	88.50	90.90	8,147.1	-162.0	1,220.0	1,228.9	5.34	1.88	5.00
9,187.0	87.60	90.40	8,149.2	-162.7	1,283.0	1,291.7	1.63	-1.43	-0.79
9,251.0	88.80	91.40	8,151.2	-163.7	1,346.9	1,355.6	2.44	1.88	1.56
9,314.0	87.90	90.70	8,153.0	-164.9	1,409.9	1,418.4	1.81	-1.43	-1.11
9,378.0	89.30	92.10	8,154.6	-166.4	1,473.9	1,482.3	3.09	2.19	2.19
9,441.0	89.40	92.80	8,155.3	-169.1	1,536.8	1,545.3	1.12	0.16	1.11
9,504.0	88.50	92.50	8,156.5	-172.0	1,599.7	1,608.2	1.51	-1.43	-0.48
9,536.0	88.00	92.10	8,157.4	-173.3	1,631.7	1,640.2	2.00	-1.56	-1.25

DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Four Peaks 35 Fed Com #2H
Project:	Eddy County, New Mexico	TVD Reference:	WELL @ 3334.0usft (Patterson-UTI Rig 45)
Site:	Sec 35-19S-29E	MD Reference:	WELL @ 3334.0usft (Patterson-UTI Rig 45)
Well:	Four Peaks 35 Fed Com #2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

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)
9,600.0	88.40	92.50	8,159.4	-175.9	1,695.6	1,704.1	0.88	0.63	0.63
9,663.0	87.40	92.30	8,161.8	-178.5	1,758.5	1,767.0	1.62	-1.59	-0.32
9,727.0	88.30	92.30	8,164.2	-181.1	1,822.4	1,831.0	1.41	1.41	0.00
9,790.0	87.70	92.30	8,166.4	-183.6	1,885.3	1,893.9	0.95	-0.95	0.00
9,853.0	88.60	92.10	8,168.4	-186.0	1,948.2	1,956.8	1.46	1.43	-0.32
9,916.0	90.80	91.90	8,168.7	-188.2	2,011.2	2,019.7	3.51	3.49	-0.32
9,979.0	91.70	92.30	8,167.3	-190.5	2,074.1	2,082.7	1.56	1.43	0.63
10,043.0	92.20	91.80	8,165.2	-192.8	2,138.1	2,146.6	1.10	0.78	-0.78
10,105.0	91.30	91.90	8,163.3	-194.8	2,200.0	2,208.5	1.46	-1.45	0.16
10,169.0	89.40	93.00	8,162.9	-197.6	2,263.9	2,272.4	3.43	-2.97	1.72
10,201.0	88.90	93.00	8,163.4	-199.2	2,295.9	2,304.4	1.56	-1.56	0.00
10,264.0	88.30	93.00	8,164.9	-202.5	2,358.8	2,367.4	0.95	-0.95	0.00
10,328.0	87.80	91.90	8,167.1	-205.3	2,422.7	2,431.3	1.89	-0.78	-1.72
10,392.0	87.80	91.90	8,169.5	-207.4	2,486.6	2,495.2	0.00	0.00	0.00
10,456.0	87.80	92.30	8,172.0	-209.7	2,550.5	2,559.1	0.62	0.00	0.63
10,519.0	85.30	91.80	8,175.8	-212.0	2,613.3	2,621.9	4.05	-3.97	-0.79
10,583.0	85.90	91.80	8,180.7	-214.0	2,677.1	2,685.7	0.94	0.94	0.00
10,646.0	88.40	92.50	8,183.8	-216.3	2,740.0	2,748.5	4.12	3.97	1.11
10,709.0	88.90	92.10	8,185.3	-218.9	2,802.9	2,811.5	1.02	0.79	-0.63
10,773.0	88.60	90.70	8,186.7	-220.4	2,866.9	2,875.4	2.24	-0.47	-2.19
10,837.0	89.00	91.60	8,188.0	-221.7	2,930.9	2,939.2	1.54	0.63	1.41
10,900.0	87.40	91.40	8,190.0	-223.4	2,993.8	3,002.1	2.56	-2.54	-0.32
10,991.0	88.00	90.70	8,193.7	-225.0	3,084.7	3,092.9	1.01	0.66	-0.77
11,054.0	88.20	89.50	8,195.8	-225.1	3,147.7	3,155.7	1.93	0.32	-1.90
11,118.0	88.10	90.60	8,197.8	-225.2	3,211.7	3,219.4	1.72	-0.16	1.72
11,181.0	87.80	91.80	8,200.1	-226.5	3,274.6	3,282.3	1.96	-0.48	1.90
11,245.0	89.00	92.80	8,201.9	-229.1	3,338.5	3,346.2	2.44	1.88	1.56
11,308.0	88.90	93.20	8,203.0	-232.4	3,401.4	3,409.2	0.65	-0.16	0.63
11,340.0	88.70	93.20	8,203.7	-234.2	3,433.4	3,441.2	0.63	-0.63	0.00
11,404.0	89.80	94.10	8,204.5	-238.2	3,497.2	3,505.2	2.22	1.72	1.41
11,467.0	90.10	94.20	8,204.6	-242.8	3,560.1	3,568.2	0.50	0.48	0.16
11,531.0	89.00	93.90	8,205.1	-247.3	3,623.9	3,632.2	1.78	-1.72	-0.47
11,594.0	89.60	93.90	8,205.9	-251.6	3,686.7	3,695.2	0.95	0.95	0.00
11,658.0	90.10	93.40	8,206.0	-255.7	3,750.6	3,759.2	1.10	0.78	-0.78
11,721.0	89.80	93.90	8,206.1	-259.7	3,813.5	3,822.1	0.93	-0.48	0.79
11,785.0	89.40	93.70	8,206.5	-263.9	3,877.3	3,886.1	0.70	-0.63	-0.31
11,849.0	90.00	92.50	8,206.9	-267.4	3,941.3	3,950.1	2.10	0.94	-1.88
11,912.0	90.40	93.50	8,206.6	-270.7	4,004.2	4,013.1	1.71	0.63	1.59
11,975.0	88.40	93.40	8,207.3	-274.5	4,067.0	4,076.1	3.18	-3.17	-0.16
12,039.0	87.20	93.00	8,209.8	-278.1	4,130.9	4,140.0	1.98	-1.88	-0.63
12,102.0	88.30	94.10	8,212.2	-282.0	4,193.7	4,203.0	2.47	1.75	1.75
12,166.0	88.00	93.90	8,214.3	-286.4	4,257.5	4,266.9	0.56	-0.47	-0.31
12,230.0	88.20	94.20	8,216.4	-290.9	4,321.3	4,330.9	0.56	0.31	0.47

DDC Survey Report



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Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

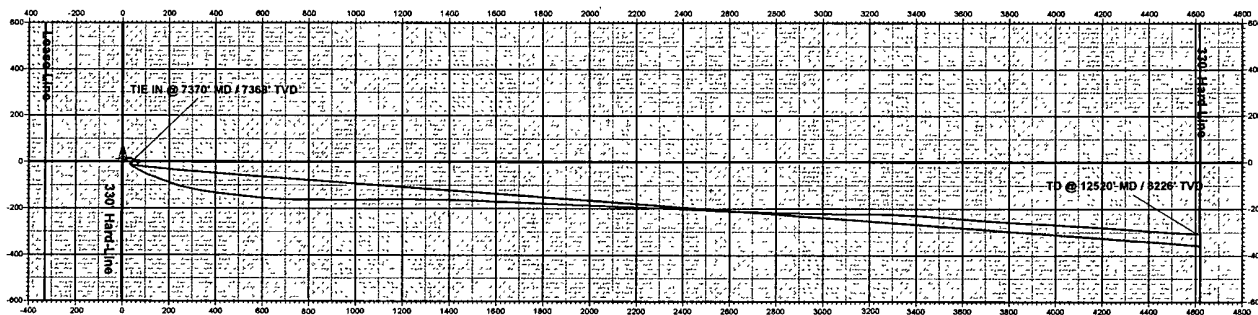
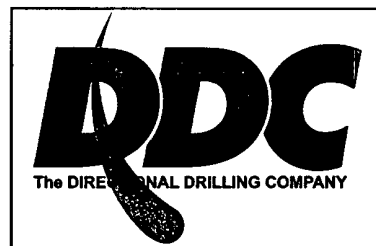
Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
12,293.0	88.30	94.20	8,218.3	-295.5	4,384.1	4,393.9	0.16	0.16	0.00	
12,357.0	88.00	93.90	8,220.4	-300.1	4,447.9	4,457.8	0.66	-0.47	-0.47	
12,420.0	87.80	93.40	8,222.7	-304.1	4,510.8	4,520.8	0.85	-0.32	-0.79	
12,470.0	87.90	92.70	8,224.6	-306.7	4,560.7	4,570.7	1.41	0.20	-1.40	
TD @ 12520' MD / 8226' TVD										
12,520.0	88.00	92.70	8,226.4	-309.1	4,610.6	4,620.7	0.20	0.20	0.00	

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
7,370.0	7,368.4	-4.4	36.0	TIE IN @ 7370' MD / 7368' TVD	
12,520.0	8,226.4	-309.1	4,610.6	TD @ 12520' MD / 8226' TVD	

Checked By: _____ Approved By: _____ Date: _____

Mewborne Oil Co

Four Peaks 35 Fed Com #2H
Eddy County, New Mexico
Q110415 & WT-12274



Company Name: Mewbourne Oil Co
Four Peaks 35 Fed Com #2H
Eddy County, New Mexico
Rig: Patterson-UTI Rig 45
Created By: Dina Chance
Date: 5/22/2012

WELL DETAILS: Four Peaks 35 Fed Com #2H

Ground Level: 3314.0
+N/-S/E/-W Northing Easting Latitude Longitude
0.0 0.0 588964.95 586448.72 32° 37' 7.838" N 104° 3' 5.240" W



Azimuths to Grid North
Magnetic North: 7.58°

Magnetic Field
Strength: 48715.4nT
Dip Angle: 60.45°
Date: 4/25/2012
Model: IGRF2010

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PBHL Four Peaks 35 Fed Com #2H	8224.0	-358.4	4619.4	588608.50	591068.10	32° 37' 4.228" N 104° 2' 15.241" W	

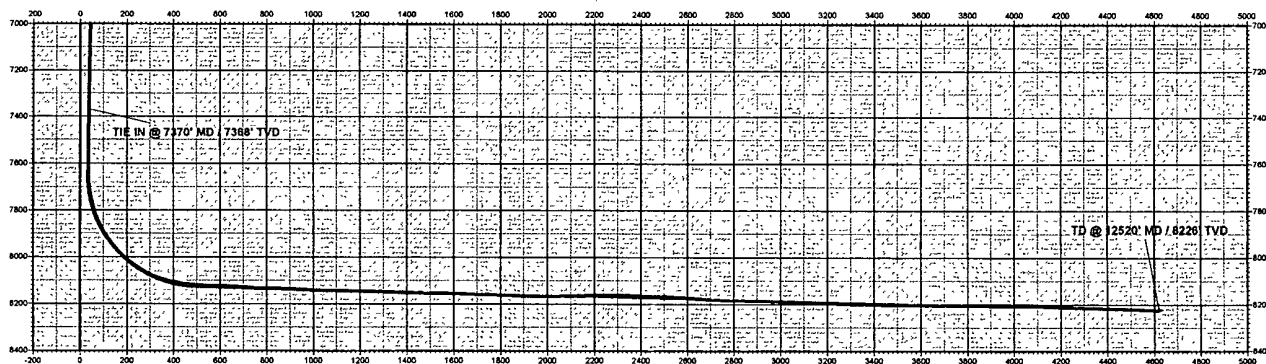
- plan hits target center

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation
7370.0	1.82	230.26	7368.4	-4.4	36.0	36.3	140.3	TIE IN @ 7370' MD / 7368' TVD
12520.0	88.00	92.70	8226.4	-369.1	4610.6	4620.7	4755.7	TD @ 12520' MD / 8226' TVD

PROJECT DETAILS: Eddy County, New Mexico

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level



Vertical Section at 94.44° (200 usf/in)



Do It Once.
Do It Right.

Confidential Information - not to be disclosed
outside Mewbourne Oil Company

**Final
Schematic**

Prepared for		Company	Date		
Mr. Mickey Young		Mewbourne Oil Company	21-May-12		
Well Name		Type of Installation	Location		
Four Peaks 35 Federal Com 2H		19-Stage 4-1/2" StackFRAC® HD	Eddy County, NM		
Depth	Drawing	Description	OD(in)	ID(in)	Length
Page 3 of 3					
REV_		6' x 4-1/2" 13 50# P-110 LTC Pup Joint	4.500"	3.92"	6.09
11021.74'		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer	5.750"	3.875	5.25
SNU0010046		PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)			
		3' x 4-1/2" 13.50# P-110 LTC Pup Joint	4.500"	3.92"	3.11
		4-1/2" 13.50# P-110 LTC LINER	4.500"	3.92"	86.74
Stage 7		JOINTS: 2	4.500"	3.92"	2.65
11118.84'		Packers Plus 4-1/2" Drillable FracPORT™ with 2.000" Seat for 2.125" High Pressure Ball	5.630"	2.000	
357 bbls		PN: 124929-000011 (5 shear pins at 314 psi each: 1,570 psi opening pressure)			
SNU0010187		4-1/2" 13.50# P-110 LTC LINER	4.500"	3.92"	130.13
		JOINTS: 3	4.500"	3.92"	6.12
		6' x 4-1/2" 13.50# P-110 LTC Pup Joint	5.750"	3.875	5.25
11255.74'		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer			
SNU0010274		PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)			
		3' x 4-1/2" 13.50# P-110 LTC Pup Joint	4.500"	3.92"	3.12
		4-1/2" 13.50# P-110 LTC LINER	4.500"	3.92"	87.06
Stage 6		JOINTS: 2	5.630"	1.875	2.65
11351.17'		Packers Plus 4-1/2" Drillable FracPORT™ with 1.875" Seat for 2.000" High Pressure Ball			
360 bbls		PN: 121332-000010 (5 shear pins at 314 psi each: 1,570 psi opening pressure)			
SNU0010179		4-1/2" 13.50# P-110 LTC LINER	4.500"	3.92"	130.47
		JOINTS: 3	4.500"	3.92"	6.08
		6' x 4-1/2" 13 50# P-110 LTC Pup Joint	5.750"	3.875	5.25
11490.37'		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer			
SNU0010272		PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)			
		3' x 4-1/2" 13.50# P-110 LTC Pup Joint	4.500"	3.92"	3.11
		4-1/2" 13.50# P-110 LTC LINER	4.500"	3.92"	87.11
Stage 5		JOINTS: 2	5.630"	1.750	2.65
11585.85'		Packers Plus 4-1/2" Drillable FracPORT™ with 1.750" Seat for 1.875" High Pressure Ball			
364 bbls		PN: 121332-000009 (5 shear pins at 314 psi each: 1,570 psi opening pressure)			
SNU0010174		4-1/2" 13.50# P-110 LTC LINER	4.500"	3.92"	87.06
		JOINTS: 2	4.500"	3.92"	6.09
		6' x 4-1/2" 13.50# P-110 LTC Pup Joint	5.750"	3.875	5.25
11681.64'		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer			
SNU0010307		PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)			
		3' x 4-1/2" 13.50# P-110 LTC Pup Joint	4.500"	3.92"	3.12
		4-1/2" 13.50# P-110 LTC LINER	4.500"	3.92"	86.76
Stage 4		JOINTS: 2	5.630"	1.625	2.65
11776.77'		Packers Plus 4-1/2" Drillable FracPORT™ with 1.625" Seat for 1.750" High Pressure Ball			
367 bbls		PN: 121332-000008 (5 shear pins at 314 psi each: 1,570 psi opening pressure)			
SNU0010109		4-1/2" 13.50# P-110 LTC LINER	4.500"	3.92"	130.48
		JOINTS: 3	4.500"	3.92"	6.11
		6' x 4-1/2" 13.50# P-110 LTC Pup Joint	5.750"	3.875	5.25
11916.01'		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer			
SNU0010269		PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)			
		3' x 4-1/2" 13.50# P-110 LTC Pup Joint	4.500"	3.92"	3.12
		4-1/2" 13.50# P-110 LTC LINER	4.500"	3.92"	86.93
Stage 3		JOINTS: 2	5.630"	1.500	2.65
12011.31'		Packers Plus 4-1/2" Drillable FracPORT™ with 1.500" Seat for 1.625" High Pressure Ball			
370 bbls		PN: 121332-000007 (5 shear pins at 314 psi each: 1,570 psi opening pressure)			
SNU0010096		4-1/2" 13.50# P-110 LTC LINER	4.500"	3.92"	129.84
		JOINTS: 3	4.500"	3.92"	6.12
		6' x 4-1/2" 13.50# P-110 LTC Pup Joint	5.750"	3.875	5.25
12149.92'		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer			
SNU0010267		PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)			
		3' x 4-1/2" 13.50# P-110 LTC Pup Joint	4.500"	3.92"	3.12
		4-1/2" 13.50# P-110 LTC LINER	4.500"	3.92"	87.05
Stage 2		JOINTS: 2	5.630"	1.375	2.65
12245.34'		Packers Plus 4-1/2" Drillable FracPORT™ with 1.375" Seat for 1.500" High Pressure Ball			
374 bbls		PN: 121332-000006 (5 shear pins at 314 psi each: 1,570 psi opening pressure)			
SNU0009362		4-1/2" 13.50# P-110 LTC LINER	4.500"	3.92"	87.04
		JOINTS: 2	4.500"	3.92"	6.12
		6' x 4-1/2" 13.50# P-110 LTC Pup Joint	5.750"	3.875	5.25
12341.15'		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer			
SNU0010268		PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)			
		3' x 4-1/2" 13.50# P-110 LTC Pup Joint	4.500"	3.92"	3.12
		4-1/2" 13.50# P-110 LTC LINER	4.500"	3.92"	87.08
Stage 1		JOINTS: 2			
12436.60'		Customer 4-1/2" Pump Off Sub			
377 bbls		(Pinned above 4000 PSI)			3.4
TMD					
12520'					
Service Center		Telephone	Contact		
Midland, TX		432-563-8024	Scott Mabry		
			Telephone		
			Chad Williams 405-255-3223		