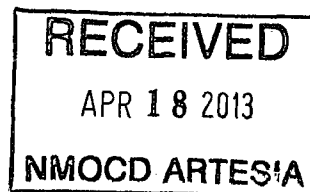


B-015-39525



Mewbourne Oil Co

Eddy County, New Mexico

Sec 33 19S-25E

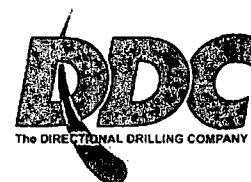
State B 33 EH Com #1H

Wellbore #1

Design: Wellbore #1

DDC Survey Report

07 March, 2013



DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well State B 33 EH Com #1H
Project:	Eddy County, New Mexico	TVD Reference:	WELL @ 3511.0usft (Patterson #101)
Site:	Sec 33 19S-25E	MD Reference:	WELL @ 3511.0usft (Patterson #101)
Well:	State B 33 EH Com #1H	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	Sec 33 19S-25E		
Site Position:		Northing:	449,660.15 usft
From:	Map	Easting:	588,637.71 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 14' 9.268 N
		Longitude:	104° 2' 47.992 W
		Grid Convergence:	0.15 °

Well	State B 33 EH Com #1H		
Well Position	+N/-S	0.0 usft	Northing: 588,637.70 usft
	+E/-W	0.0 usft	Easting: 449,660.15 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 37' 5.385 N
		Longitude:	104° 29' 48.584 W
		Ground Level:	3,495.0 usft

Wellbore	Wellbore #1		
Magnetics:	Model Name	Sample Date	Declination (°)
	IGRF2010	1/31/2013	7.84
			Dip Angle (°) 60.35
			Field Strength (nT) 48,586

Design	Wellbore #1		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.0	0.0	0.0
			Direction (°) 90.08

Survey Program	Date 3/7/2013		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
100.0	1,836.0	Gyro (Wellbore #1)	Good_gyro
1,930.0	6,870.0	MWD (Wellbore #1)	MWD default
			Description
			Good Gyro
			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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.08	107.57	100.0	0.0	0.1	0.1	0.08	0.08	0.00
200.0	0.35	314.61	200.0	0.2	-0.1	-0.1	0.42	0.27	-152.96
300.0	0.21	270.30	300.0	0.4	-0.5	-0.5	0.25	-0.14	-44.31
400.0	0.39	316.50	400.0	0.6	-0.9	-0.9	0.29	0.18	46.20
500.0	0.58	324.47	500.0	1.3	-1.4	-1.4	0.20	0.19	7.97
600.0	0.63	273.99	600.0	1.7	-2.3	-2.3	0.52	0.05	-50.48
700.0	0.52	282.99	700.0	1.9	-3.3	-3.3	0.14	-0.11	9.00
800.0	0.10	204.29	800.0	1.9	-3.7	-3.7	0.51	-0.42	-78.70
900.0	0.30	198.38	900.0	1.6	-3.9	-3.9	0.20	0.20	-5.91

DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well State B 33 EH Com #1H
Project:	Eddy County, New Mexico	TVD Reference:	WELL @ 3511.0usft (Patterson #101);
Site:	Sec 33 19S-25E	MD Reference:	WELL @ 3511.0usft (Patterson #101)
Well:	State B 33 EH Com #1H	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)
1,000.0	0.46	199.24	1,000.0	1.0	-4.1	-4.1	0.16	0.16	0.86
1,100.0	0.56	205.35	1,100.0	0.1	-4.4	-4.4	0.11	0.10	6.11
1,200.0	0.77	199.06	1,200.0	-0.9	-4.8	-4.8	0.22	0.21	-6.29
1,300.0	0.62	214.91	1,300.0	-2.0	-5.4	-5.4	0.24	-0.15	15.85
1,400.0	0.50	179.60	1,400.0	-2.9	-5.7	-5.7	0.36	-0.12	-35.31
1,500.0	0.23	226.85	1,500.0	-3.5	-5.8	-5.8	0.38	-0.27	47.25
1,600.0	0.38	195.03	1,600.0	-3.9	-6.1	-6.1	0.22	0.15	-31.82
1,700.0	0.37	137.31	1,700.0	-4.5	-5.9	-5.9	0.36	-0.01	-57.72
1,800.0	0.26	207.72	1,800.0	-4.9	-5.8	-5.8	0.37	-0.11	70.41
TIE IN @ 1836' MD / 1836' TVD									
1,836.0	0.34	185.47	1,835.9	-5.1	-5.9	-5.9	0.39	0.22	-61.81
1,930.0	0.10	184.80	1,929.9	-5.5	-5.9	-5.9	0.26	-0.26	-0.71
1,962.0	1.00	70.50	1,961.9	-5.4	-5.6	-5.6	3.27	2.81	-357.19
1,993.0	5.00	67.40	1,992.9	-4.8	-4.1	-4.1	12.91	12.90	-10.00
2,025.0	9.10	67.90	2,024.6	-3.3	-0.5	-0.5	12.81	12.81	1.56
2,056.0	13.40	71.60	2,055.0	-1.2	5.2	5.2	14.06	13.87	11.94
2,088.0	17.50	75.60	2,085.9	1.1	13.4	13.4	13.23	12.81	12.50
2,120.0	21.60	79.60	2,116.0	3.4	23.8	23.8	13.47	12.81	12.50
2,151.0	25.80	83.20	2,144.4	5.2	36.1	36.1	14.32	13.55	11.61
2,183.0	29.90	85.20	2,172.7	6.7	51.0	51.0	13.14	12.81	6.25
2,214.0	33.90	86.80	2,199.0	7.8	67.4	67.3	13.19	12.90	5.16
2,246.0	37.80	87.90	2,225.0	8.7	86.1	86.1	12.35	12.19	3.44
2,277.0	41.50	89.30	2,248.8	9.2	105.8	105.8	12.28	11.94	4.52
2,309.0	44.70	89.90	2,272.2	9.3	127.7	127.7	10.08	10.00	1.88
2,340.0	47.70	90.10	2,293.6	9.3	150.1	150.1	9.69	9.68	0.65
2,372.0	50.90	90.10	2,314.5	9.3	174.3	174.3	10.00	10.00	0.00
2,403.0	53.80	89.50	2,333.4	9.4	198.9	198.9	9.48	9.35	-1.94
2,435.0	56.50	89.80	2,351.7	9.5	225.1	225.1	8.47	8.44	0.94
2,466.0	59.20	91.00	2,368.2	9.3	251.4	251.4	9.31	8.71	3.87
2,498.0	62.60	91.40	2,383.8	8.7	279.3	279.3	10.68	10.63	1.25
2,529.0	66.70	90.50	2,397.0	8.3	307.3	307.3	13.48	13.23	-2.90
2,561.0	70.10	89.80	2,408.8	8.2	337.1	337.1	10.82	10.63	-2.19
2,593.0	73.60	89.30	2,418.8	8.4	367.5	367.5	11.04	10.94	-1.56
2,624.0	76.80	89.80	2,426.7	8.7	397.4	397.4	10.44	10.32	1.61
2,656.0	80.80	90.00	2,432.9	8.7	428.8	428.8	12.52	12.50	0.63
2,672.0	82.60	90.30	2,435.2	8.7	444.7	444.6	11.40	11.25	1.88
2,782.0	89.00	88.20	2,443.3	10.1	554.3	554.3	6.12	5.82	-1.91
2,814.0	89.30	88.60	2,443.8	11.0	586.3	586.3	1.56	0.94	1.25
2,877.0	89.00	88.70	2,444.7	12.5	649.3	649.2	0.50	-0.48	0.16
2,940.0	88.70	88.90	2,446.0	13.8	712.2	712.2	0.57	-0.48	0.32
3,003.0	89.10	90.50	2,447.2	14.2	775.2	775.2	2.62	0.63	2.54
3,067.0	90.40	90.90	2,447.4	13.4	839.2	839.2	2.13	2.03	0.63
3,130.0	90.30	90.80	2,447.1	12.4	902.2	902.2	0.22	-0.16	-0.16

DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well State B 33 EH Com #1H
Project:	Eddy County, New Mexico	TVD Reference:	WELL @ 3511.0usft (Patterson #101)
Site:	Sec 33 19S-25E	MD Reference:	WELL @ 3511.0usft (Patterson #101)
Well:	State B 33 EH Com #1H	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)
3,194.0	90.00	90.40	2,446.9	11.8	966.2	966.2	0.78	-0.47	-0.63
3,257.0	89.70	90.40	2,447.1	11.3	1,029.2	1,029.2	0.48	-0.48	0.00
3,320.0	88.80	89.80	2,447.9	11.2	1,092.2	1,092.2	1.72	-1.43	-0.95
3,383.0	88.10	89.60	2,449.6	11.6	1,155.2	1,155.1	1.16	-1.11	-0.32
3,447.0	89.10	90.30	2,451.1	11.6	1,219.1	1,219.1	1.91	1.56	1.09
3,510.0	89.10	89.90	2,452.1	11.5	1,282.1	1,282.1	0.63	0.00	-0.63
3,573.0	88.90	89.90	2,453.2	11.6	1,345.1	1,345.1	0.32	-0.32	0.00
3,636.0	88.90	89.60	2,454.4	11.9	1,408.1	1,408.1	0.48	0.00	-0.48
3,699.0	88.80	89.30	2,455.7	12.5	1,471.1	1,471.1	0.50	-0.16	-0.48
3,762.0	88.60	89.00	2,457.1	13.4	1,534.1	1,534.0	0.57	-0.32	-0.48
3,825.0	89.00	91.10	2,458.5	13.4	1,597.1	1,597.0	3.39	0.63	3.33
3,889.0	89.30	91.40	2,459.4	12.0	1,661.0	1,661.0	0.66	0.47	0.47
3,951.0	89.10	91.20	2,460.3	10.6	1,723.0	1,723.0	0.46	-0.32	-0.32
4,015.0	89.00	91.40	2,461.3	9.1	1,787.0	1,787.0	0.35	-0.16	0.31
4,110.0	89.00	91.00	2,463.0	7.1	1,881.9	1,881.9	0.42	0.00	-0.42
4,204.0	89.00	90.30	2,464.6	6.1	1,975.9	1,975.9	0.74	0.00	-0.74
4,299.0	88.80	89.50	2,466.5	6.2	2,070.9	2,070.9	0.87	-0.21	-0.84
4,394.0	89.50	90.40	2,467.9	6.3	2,165.9	2,165.9	1.20	0.74	0.95
4,489.0	89.10	89.50	2,469.0	6.4	2,260.9	2,260.9	1.04	-0.42	-0.95
4,584.0	89.20	89.70	2,470.4	7.1	2,355.9	2,355.9	0.24	0.11	0.21
4,679.0	89.20	89.00	2,471.8	8.1	2,450.9	2,450.8	0.74	0.00	-0.74
4,742.0	88.70	90.30	2,472.9	8.5	2,513.8	2,513.8	2.21	-0.79	2.06
4,838.0	88.40	89.30	2,475.3	8.9	2,609.8	2,609.8	1.09	-0.31	-1.04
4,933.0	88.90	90.60	2,477.6	8.9	2,704.8	2,704.8	1.47	0.53	1.37
5,028.0	88.80	90.40	2,479.5	8.1	2,799.8	2,799.7	0.24	-0.11	-0.21
5,123.0	88.90	89.40	2,481.4	8.3	2,894.7	2,894.7	1.06	0.11	-1.05
5,218.0	89.20	90.30	2,483.0	8.5	2,989.7	2,989.7	1.00	0.32	0.95
5,307.0	89.30	89.80	2,484.1	8.4	3,078.7	3,078.7	0.57	0.11	-0.56
5,399.0	88.50	89.00	2,485.9	9.4	3,170.7	3,170.7	1.23	-0.87	-0.87
5,492.0	88.40	91.20	2,488.4	9.2	3,263.7	3,263.6	2.37	-0.11	2.37
5,582.0	89.80	91.20	2,489.8	7.4	3,353.6	3,353.6	1.56	1.56	0.00
5,674.0	89.60	90.90	2,490.3	5.7	3,445.6	3,445.6	0.39	-0.22	-0.33
5,764.0	89.70	90.60	2,490.9	4.5	3,535.6	3,535.6	0.35	0.11	-0.33
5,856.0	89.20	90.00	2,491.7	4.0	3,627.6	3,627.6	0.85	-0.54	-0.65
5,948.0	87.90	88.80	2,494.1	5.0	3,719.6	3,719.5	1.92	-1.41	-1.30
6,040.0	89.10	88.80	2,496.5	6.9	3,811.5	3,811.5	1.30	1.30	0.00
6,133.0	88.60	90.00	2,498.4	7.9	3,904.5	3,904.5	1.40	-0.54	1.29
6,228.0	87.70	90.40	2,501.4	7.5	3,999.4	3,999.4	1.04	-0.95	0.42
6,322.0	89.00	92.50	2,504.1	5.2	4,093.3	4,093.3	2.63	1.38	2.23
6,417.0	90.50	92.80	2,504.5	0.8	4,188.2	4,188.2	1.61	1.58	0.32
6,512.0	90.20	92.00	2,504.0	-3.2	4,283.2	4,283.2	0.90	-0.32	-0.84
6,607.0	90.20	91.60	2,503.6	-6.2	4,378.1	4,378.1	0.42	0.00	-0.42
6,702.0	90.00	91.90	2,503.5	-9.1	4,473.1	4,473.1	0.38	-0.21	0.32

DDC Survey Report



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Project:	Eddy County, New Mexico	TVD Reference:	WELL @ 3511.0usft (Patterson #101)
Site:	Sec 33 19S-25E	MD Reference:	WELL @ 3511.0usft (Patterson #101)
Well:	State B 33 EH Com #1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

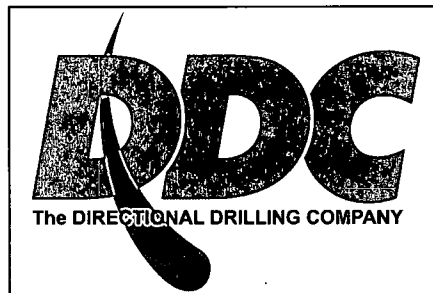
Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,796.0	88.50	90.70	2,504.7	-11.2	4,567.0	4,567.0	2.04	-1.60	-1.28
6,824.0	88.60	91.50	2,505.4	-11.8	4,595.0	4,595.0	2.88	0.36	2.86
TD @ 6870' MD / 2507' TVD									
6,870.0	88.60	91.50	2,506.5	-13.0	4,641.0	4,641.0	0.00	0.00	0.00

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,836.0	1,835.9	-5.1	-5.9	TIE IN @ 1836' MD / 1836' TVD
6,870.0	2,506.5	-13.0	4,641.0	TD @ 6870' MD / 2507' TVD

Checked By: _____	Approved By: _____	Date: _____
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Company Name: Mewbourne Oil Co
 State B 33 EH Com #1H
 Eddy County, New Mexico
 Rig: Patterson #41
 Created By: Dina Chance
 Date: 3/7/2013

State B 33 EH Com #1H
 Eddy County, New Mexico
Q120172 & WT-13136
 Design #3



Mewbourne Oil Company

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

WELL DETAILS: State B 33 EH Com #1H

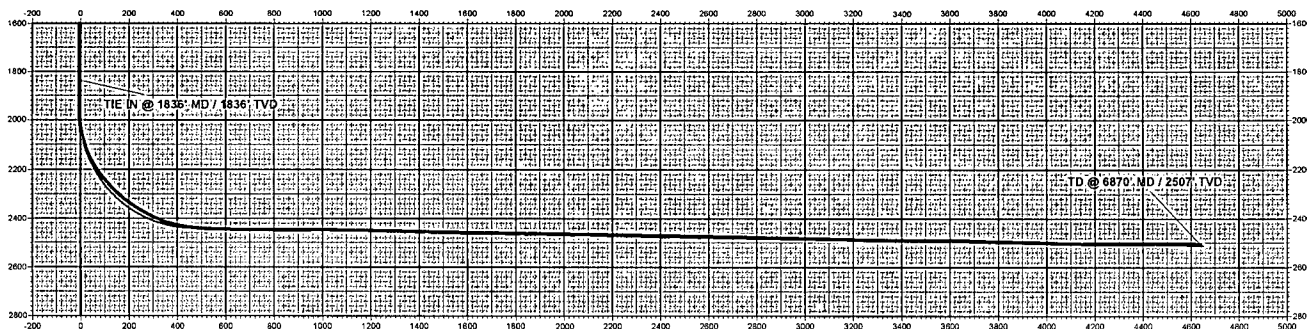
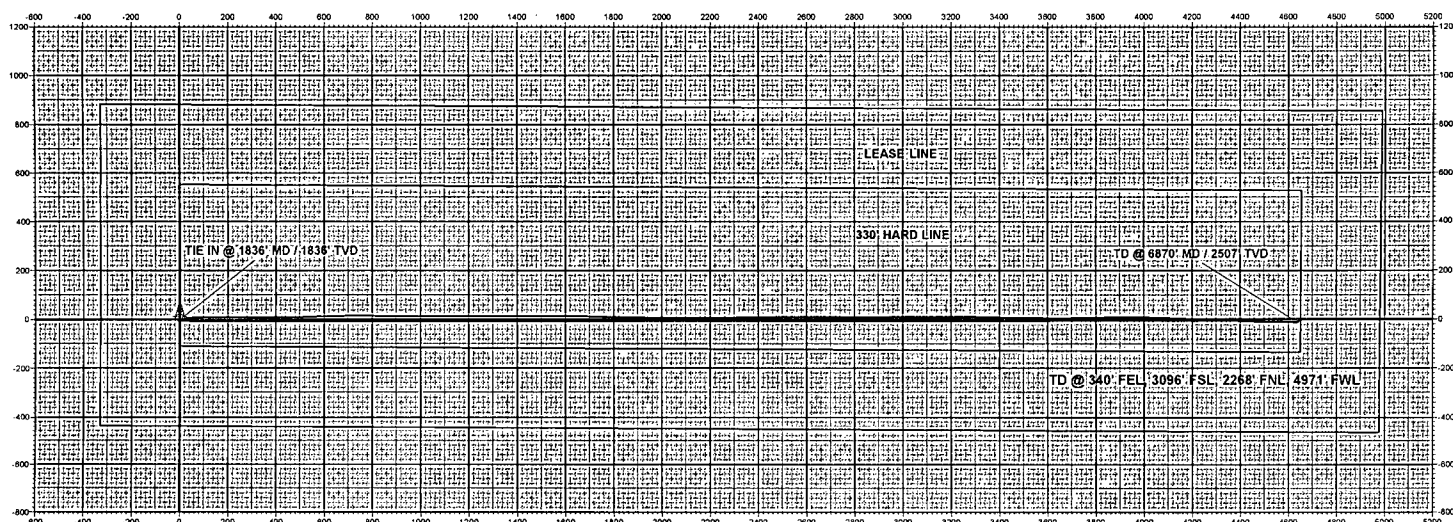
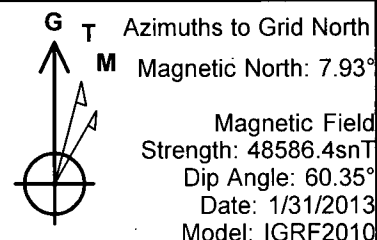
		Ground Level:		3495.0	
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	588637.70	449660.15	32° 37' 5.385 N	104° 29' 48.584 W

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PBHL State B "33" EH Com #1H Design #2 -plan hits target center	2511.0	-6.1	4651.0	588631.60	454311.15	32° 37' 5.392 N	104° 28' 54.204 W

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation
1836.0	0.34	185.47	1835.9	-5.1	-6.9	-5.9	12.7	TIE IN @ 1836' MD / 1836' TVD
6870.0	89.60	91.50	2506.5	-13.0	4641.0	4641.0	4652.3	TD @ 6870' MD / 2507' TVD



Vertical Section at 90.08° (200 usf/in)

Operating Company Mewbourne
 Well Name & Number State B 33 EH Com #1H
 Sales Ticket Number 5321272
 Date 2/26/2013

Company Rep 0
 Field
 BOT Service Rep Hector R Magallanes
 District Location Odessa, Texas, USA



	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse
Casing	7.000	26.00	P-110	6.276	6.151	LT&C	0.03826	2,724.00	9,960	6,230
Top Liner	4.500	11.60	55000	4.000	3.875	LT&C	0.01554	4,345.78	5,350	4,960
Bott Liner										

TVD	2,801.93	KOP	2,330.00	Open Hole	6.125	Casing Vol. (bbl)	95.4
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Carry Fluid Weight (ppg)	8.7	Proppant Content (ppa)		Max Drill Out Size	0
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	Comm. Number	Description	Depth	Length	OD	ID	Ball Seat ID	Shear Press.	Max Rate (BPM)	Displ. (BBL)
Liner Top	1	10378942	JR Setting Sleeve_RH Profile	2494.22						

Zone Length										
20 360.1		JR Sleeve_S3 Hyd Set Packer	2494.22	8.65	5.813	3.875				
		4-1/2-13.5 LTC Nipple	2502.87	6.05	5.000	4.000				
		6 Joints of 4-1/2-13.5 LTC Casing	2508.92	253.18	5.000	3.920				
		3.625 EX Frac Sleeve	2762.10	3.90	5.750		3.525	1524	249	100
		2 Joint of 4-1/2-13.5 LTC Casing	2766.00	84.40	5.000	4.000				
19 222.6		Baker Open Hole Packer	2850.40	3.89	5.820	3.875		2154		
		3 Joints of 4-1/2-13.5 LTC Casing	2854.29	126.57	5.000	4.000				
		3.500 EX Frac Sleeve	2980.86	3.90	5.750		3.400	1524	231	103
		2 Joint of 4-1/2-13.5 LTC Casing	2984.76	84.38	5.000	4.000				
		Baker Open Hole Packer	3069.14	3.89	5.820	3.875		2154		
18 222.7		2 Joints of 4-1/2-13.5 LTC Casing	3073.03	84.41	5.000	4.000				
		3.375 EX Frac Sleeve	3157.44	3.90	5.750		3.275	1524	215	106
		3 Joint of 4-1/2-13.5 LTC Casing	3161.34	126.57	5.000	4.000				
		Baker Open Hole Packer	3287.91	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	3291.80	84.39	5.000	4.000				
17 222.7		3.250 EX Frac Sleeve	3376.19	3.90	5.750		3.150	1524	199	109
		3 Joint of 4-1/2-13.5 LTC Casing	3380.09	126.61	5.000	4.000				
		Baker Open Hole Packer	3506.70	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	3510.59	84.37	5.000	4.000				
		3.125 EX Frac Sleeve	3594.96	3.90	5.750		3.025	1524	183	113
16 222.6		3 Joints of 4-1/2-13.5 LTC Casing	3598.86	126.58	5.000	4.000				
		Baker Open Hole Packer	3725.44	3.89	5.820	3.875		2154		

Operating Company Mewbourne
 Well Name & Number State B 33 EH Com #1H
 Sales Ticket Number 5321272
 Date 2/26/2013

Company Rep 0
 Field
 BOT Service Rep Hector R Magallanes
 District Location Odessa, Texas, USA



	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse	
Casing	7.000	26.00	P-110	6.276	6.151	LT&C	0.03826	2,724.00	9,960	6,230	
Top Liner	4.500	11.60	55000	4.000	3.875	LT&C	0.01554	4,345.78	5,350	4,960	
Bott Liner											
TVD		2,801.93		KOP		2,330.00		Open Hole	6.125	Casing Vol. (bbl)	95.4
Carry Fluid Weight (ppg)			8.7		Propant Content (ppa)				Max Drill Out Size		0

	Comm. Number	Description	Depth	Length	OD	ID	Ball Seat ID	Shear Press.	Max Rate (BPM)	Displ. (BBL)
15 180.5		2 Joints of 4-1/2-13.5 LTC Casing	3729.33	84.38	5.000	4.000				
		3.000 EX Frac sleeve	3813.71	3.90	5.750		2.900	1524	168	116
		2 Joint of 4-1/2-13.5 LTC Casing	3817.61	84.39	5.000	4.000				
14 222.6		Baker Open Hole Packer	3902.00	3.89	5.820	3.875		2154		
		3 Joints of 4-1/2-13.5 LTC Casing	3905.89	126.55	5.000	4.000				
		2.875 EX Frac Sleeve	4032.44	3.90	5.750		2.775	1524	154	119
13 222.7		3 Joints of 4-1/2-13.5 LTC Casing	4036.34	84.39	5.000	4.000				
		Baker Open Hole Packer	4120.73	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	4124.62	126.60	5.000	4.000				
12 265.2		2.750 EX Frac Sleeve	4251.22	3.90	5.750		2.650	1524	141	123
		2 Joint of 4-1/2-13.5 LTC Casing	4255.12	84.41	5.000	4.000				
		Baker Open Hole Packer	4339.53	3.89	5.820	3.875		2154		
11 222.6		3 Joints of 4-1/2-13.5 LTC Casing	4343.42	126.96	5.000	4.000				
		2.625 EX Frac Sleeve	4470.38	3.90	5.750		2.525	1524	128	126
		3 Joints of 4-1/2-13.5 LTC Casing	4474.28	126.58	5.000	4.000				
10 222.7		Baker Open Hole Packer	4600.86	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	4604.75	84.36	5.000	4.000				
		2.500 EX Frac Sleeve	4689.11	3.90	5.750		2.400	1524	115	130
9		3 Joint of 4-1/2-13.5 LTC Casing	4693.01	126.59	5.000	4.000				
		Baker Open Hole Packer	4819.60	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	4823.49	84.37	5.000	4.000				
		2.375 EX Frac Sleeve	4907.86	3.90	5.750		2.275	1524	104	133
		3 Joints of 4-1/2-13.5 LTC Casing	4911.76	126.60	5.000	4.000				
		Baker Open Hole Packer	5038.36	3.89	5.820	3.875		2154		
		3 Joint of 4-1/2-13.5 LTC Casing	5042.25	126.61	5.000	4.000				
		2.250 EX Frac Sleeve	5168.86	3.90	5.750		2.150	1524	93	137

Operating Company Mewbourne
 Well Name & Number State B 33 EH Com #1H
 Sales Ticket Number 5321272
 Date 2/26/2013

Company Rep 0
 Field
 BOT Service Rep Hector R Magallanes
 District Location Odessa, Texas, USA



	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse
Casing	7.000	26.00	P-110	6.276	6.151	LT&C	0.03826	2,724.00	9,960	6,230
Top Liner	4.500	11.60	55000	4.000	3.875	LT&C	0.01554	4,345.78	5,350	4,960
Bott Liner										

TVD	2,801.93	KOP	2,330.00	Open Hole	6.125	Casing Vol. (bbl)	95.4
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Carry Fluid Weight (ppg)	8.7	Propant Content (ppa)		Max Drill Out Size	0
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	Comm. Number	Description	Depth	Length	OD	ID	Ball Seat ID	Shear Press.	Max Rate (BPM)	Displ. (BBL)
223.1		2 Joints of 4-1/2-13.5 LTC Casing	5172.76	84.84	5.000	4.000				
		Baker Open Hole Packer	5257.60	3.89	5.820	3.875		2154		
		3 Joint of 4-1/2-13.5 LTC Casing	5261.49	126.58	5.000	4.000				
8		2.125 EX Frac Sleeve	5388.07	3.90	5.750		2.025	1524	82	140
222.6		2 Joints of 4-1/2-13.5 LTC Casing	5391.97	84.36	5.000	4.000				
		Baker Open Hole Packer	5476.33	3.89	5.820	3.875		2154		
		3 Joint of 4-1/2-13.5 LTC Casing	5480.22	126.58	5.000	4.000				
7		2.000 EX Frac Sleeve	5606.80	3.90	5.750		1.900	1524	72	144
222.7		2 Joints of 4-1/2-13.5 LTC Casing	5610.70	84.40	5.000	4.000				
		Baker Open Hole Packer	5695.10	3.89	5.820	3.875		2154		
		3 Joint of 4-1/2-13.5 LTC Casing	5698.99	126.57	5.000	4.000				
6		1.875 EX Frac Sleeve	5825.56	3.90	5.750		1.775	1524	63	147
222.6		2 Joints of 4-1/2-13.5 LTC Casing	5829.46	84.36	5.000	4.000				
		Baker Open Hole Packer	5913.82	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	5917.71	84.40	5.000	4.000				
5		1.750 EX Frac Sleeve	6002.11	3.90	5.750		1.650	1524	55	150
223.1		3 Joint of 4-1/2-13.5 LTC Casing	6006.01	126.58	5.000	4.000				
		Baker Open Hole Packer	6132.59	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	6136.48	84.38	5.000	4.000				
4		1.625 EX Frac Sleeve	6220.86	3.90	5.750		1.525	1524	47	153
223		3 Joints of 4-1/2-13.5 LTC Casing	6224.76	126.96	5.000	4.000				
		Baker Open Hole Packer	6351.72	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	6355.61	84.41	5.000	4.000				
3		1.50 DB EX Frac Sleeve	6440.02	3.90	5.750		1.400	1524	39	157
180.5		2 Joints of 4-1/2-13.5 LTC Casing	6443.92	84.41	5.000	4.000				
		Baker Open Hole Packer	6528.33	3.89	5.820			2154		

Company Rep	0
Field	
BOT Service Rep	Hector R Magallanes
District Location	Odessa, Texas, USA



	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse
Casing	7.000	26.00	P-110	6.276	6.151	LT&C	0.03826	2,724.00	9,960	6,230
Top Liner	4.500	11.60	55000	4.000	3.875	LT&C	0.01554	4,345.78	5,350	4,960
Bott Liner										
TVD		2,801.93	KOP		2,330.00	Open Hole		6.125	Casing Vol. (bbl)	95.4
Carry Fluid Weight (ppg)			8.7	Propant Content (ppa)				Max Drill Out Size		0

[illegible]



Company: Mewbourne Oil Company
Lease/Well: State B 33 EH Com/No 001H
Location: S33 T19s R25e
Rig Name: Patterson 41
State/County: New Mexico/Eddy
Latitude: 32.62, Longitude: -104.50
GRID North is 0.09 Degrees West of True North
VS-Azi: 90.08 Degrees



RKB : 16 Feet

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: ... 33 eh com #1h gyro survey.ut

Minimum Curvature Method

Report Date/Time: 2/27/2013 / 13:37

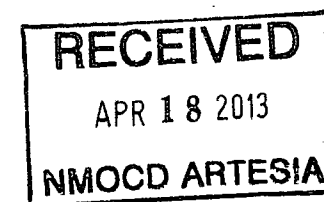
Vaughn Energy Services

(432) 563-5444

Gardendale, TX

Surveyor: Dustin Wedel

State B 33 EH Com No 001H / API 30-015-39520



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	0.08	107.57	100.00	-0.02	0.07	0.07	0.07	107.57	0.08
200.00	0.35	314.61	200.00	0.17	-0.08	-0.08	0.19	334.23	0.43
300.00	0.21	270.30	300.00	0.39	-0.49	-0.49	0.62	308.67	0.25
400.00	0.39	316.50	400.00	0.64	-0.90	-0.91	1.11	305.09	0.28
500.00	0.58	324.47	499.99	1.29	-1.43	-1.43	1.93	312.09	0.21
600.00	0.63	273.99	599.99	1.74	-2.28	-2.28	2.87	307.44	0.52
700.00	0.52	282.99	699.98	1.89	-3.28	-3.28	3.78	299.93	0.14
800.00	0.10	204.29	799.98	1.91	-3.76	-3.76	4.21	296.92	0.51
900.00	0.30	198.38	899.98	1.58	-3.87	-3.88	4.18	292.17	0.20
1000.00	0.46	199.24	999.98	0.96	-4.09	-4.09	4.20	283.16	0.16
1100.00	0.56	205.35	1099.98	0.14	-4.43	-4.43	4.43	271.78	0.12
1200.00	0.77	199.06	1199.97	-0.94	-4.86	-4.86	4.95	259.04	0.22
1300.00	0.62	214.91	1299.96	-2.02	-5.39	-5.38	5.75	249.43	0.24
1400.00	0.50	179.60	1399.96	-2.91	-5.70	-5.69	6.39	242.97	0.36
1500.00	0.23	226.85	1499.95	-3.48	-5.84	-5.83	6.80	239.20	0.38
1600.00	0.38	195.03	1599.95	-3.94	-6.07	-6.07	7.24	237.02	0.22
1700.00	0.37	137.31	1699.95	-4.50	-5.94	-5.94	7.45	232.87	0.36
1800.00	0.26	207.72	1799.95	-4.93	-5.83	-5.82	7.64	229.77	0.37
1836.00	0.34	185.47	1835.95	-5.11	-5.88	-5.87	7.79	228.99	0.39

OPERATOR
WELL/LEASE
COUNTY

MEWBOURNE OIL COMPANY
STATE B 33 COM 001H
041-0106

041-0106

STATE OF NEW MEXICO
DEVIATION REPORT

276	0.50
543	0.75
781	1.04
939	0.14



Received

MAR 12 2013

Mewbourne Oil Company
Hobbs

BY:

STATE OF TEXAS

COUNTY OF MIDLAND

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

3/8/13, by

Notary Public for Midland County, Texas
My Commission Expires:

