

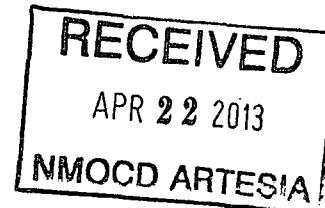
OPERATOR MEWBOURNE OIL COMPANY
WELL/LEASE QUICK DRAW 10 BO 001H
COUNTY EDDY

041-0107

STATE OF NEW MEXICO
DEVIATION REPORT

30 015 40573

350	1.00
444	1.25
1,195	1.26
1,639	0.90



Received

MAR 19 2013

Mewbourne Oil Company
Hobbs

BY:

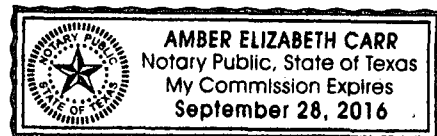
STATE OF TEXAS

COUNTY OF MIDLAND

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

3/12/13, by

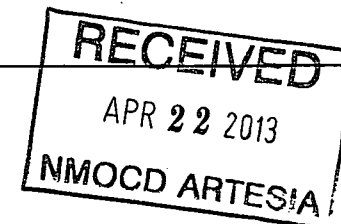
Notary Public for Midland County, Texas
My Commission Expires:





Company: Mewbourne Oil Company
Lease/Well: Quick Draw 10 BO/No 001H

Rig Name: Patterson 41
State/County: New Mexico/Eddy
Latitude: 32.59, Longitude: -104.47
GRID North is 0.07 Degrees West of True North
VS-Azi: 0.00 Degrees



Depth Reference : RKB= 16'

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: gyro survey.ut
Minimum Curvature Method
Report Date/Time: 3/11/2013 / 16:25

Vaughn Energy Services
Midland, Texas
432-563-5444
Surveyor: Tim Dillon
Quick Draw 10 BO No 001H / API 30-015-40573

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	0.64	316.72	100.00	0.41	-0.38	0.41	0.56	316.72	0.64
200.00	0.52	340.64	199.99	1.24	-0.92	1.24	1.54	323.52	0.27
300.00	0.81	329.43	299.99	2.27	-1.43	2.27	2.68	327.91	0.32
400.00	0.84	291.04	399.98	3.14	-2.47	3.14	4.00	321.89	0.54
500.00	0.72	281.69	499.97	3.53	-3.76	3.53	5.16	313.22	0.17
600.00	0.91	275.55	599.96	3.74	-5.16	3.74	6.37	305.89	0.21
700.00	1.17	282.94	699.94	4.04	-6.95	4.04	8.04	300.18	0.29
800.00	0.84	288.61	799.93	4.51	-8.64	4.51	9.75	297.53	0.35
900.00	0.79	293.12	899.92	5.01	-9.98	5.01	11.16	296.67	0.08
1000.00	0.77	291.33	999.91	5.53	-11.24	5.53	12.53	296.19	0.03
1100.00	0.95	311.89	1099.89	6.32	-12.48	6.32	13.99	296.87	0.35
1200.00	0.79	294.22	1199.88	7.16	-13.72	7.16	15.48	297.55	0.31
1300.00	1.31	297.50	1299.87	7.97	-15.36	7.97	17.31	297.41	0.53
1400.00	0.85	307.74	1399.85	8.95	-16.97	8.95	19.18	297.81	0.50
1500.00	0.68	296.67	1499.84	9.67	-18.08	9.67	20.51	298.14	0.22
1600.00	0.67	280.42	1599.83	10.04	-19.19	10.04	21.66	297.63	0.19
1700.00	0.95	281.75	1699.82	10.32	-20.57	10.32	23.02	296.64	0.28
1800.00	0.98	276.28	1799.81	10.58	-22.23	10.58	24.62	295.45	0.10
1900.00	1.13	286.95	1899.79	10.96	-24.03	10.96	26.41	294.52	0.25
2000.00	1.09	280.01	1999.77	11.42	-25.91	11.42	28.31	293.78	0.14

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
2100.00	1.13	282.82	2099.75	11.80	-27.81	11.80	30.21	292.99	0.06
2186.00	1.09	281.59	2185.74	12.15	-29.44	12.15	31.85	292.43	0.05



Mewbourne Oil Co

Eddy County, New Mexico

Section 10-20S-25E

Quick Draw 10 BO #1H

Wellbore #1

Design: Wellbore #1

DDC Survey Report

13 March, 2013



DDC
Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Quick Draw 10 BO #1H
Project:	Eddy County, New Mexico	TVD Reference:	WELL @ 3441.0usft (Patterson #41)
Site:	Section 10-20S-25E	MD Reference:	WELL @ 3441.0usft (Patterson #41)
Well:	Quick Draw 10 BO #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	Section 10-20S-25E		
Site Position:		Northing:	579,886.88 usft
From:	Map	Easting:	454,317.67 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 35' 38.857 N
		Longitude:	104° 28' 53.985 W
		Grid Convergence:	-0.08 °

Well	Quick Draw 10 BO #1H		
Well Position	+N/-S	0.0 usft	Northing: 580,153.81 usft
	+E/-W	0.0 usft	Easting: 457,598.21 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 35' 41.542 N
		Longitude:	104° 28' 15.643 W
		Ground Level:	3,422.0 usft

Wellbore	Wellbore #1		
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2/27/2013	7.82	60.33	48,569

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	180.48

Survey Program		Date	3/13/2013
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
100.0	2,186.0	Gyro (Wellbore #1)	Good_gyro
2,253.0	7,500.0	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	0.64	316.72	100.0	0.4	-0.4	-0.4	0.64	0.64	0.00
	200.0	0.52	340.64	200.0	1.2	-0.9	-1.2	0.27	-0.12	23.92
	300.0	0.81	329.43	300.0	2.3	-1.4	-2.3	0.32	0.29	-11.21
	400.0	0.84	291.04	400.0	3.1	-2.5	-3.1	0.54	0.03	-38.39
	500.0	0.72	281.69	500.0	3.5	-3.8	-3.5	0.17	-0.12	-9.35
	600.0	0.91	275.55	600.0	3.7	-5.2	-3.7	0.21	0.19	-6.14
	700.0	1.17	282.94	699.9	4.0	-7.0	-4.0	0.29	0.26	7.39
	800.0	0.84	288.61	799.9	4.5	-8.6	-4.4	0.34	-0.33	5.67
	900.0	0.79	293.12	899.9	5.0	-10.0	-4.9	0.08	-0.05	4.51

DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Quick Draw 10 BO #1H
Project:	Eddy County, New Mexico	TVD Reference:	WELL @ 3441.0usft (Patterson #41)
Site:	Section 10-20S-25E	MD Reference:	WELL @ 3441.0usft (Patterson #41)
Well:	Quick Draw 10 BO #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	0.77	291.33	999.9	5.5	-11.2	-5.4	0.03	-0.02	-1.79
1,100.0	0.95	311.89	1,099.9	6.3	-12.5	-6.2	0.35	0.18	20.56
1,200.0	0.79	294.22	1,199.9	7.2	-13.7	-7.1	0.31	-0.16	-17.67
1,300.0	1.31	297.50	1,299.9	8.0	-15.4	-7.8	0.52	0.52	3.28
1,400.0	0.85	307.74	1,399.8	9.0	-17.0	-8.8	0.50	-0.46	10.24
1,500.0	0.68	296.67	1,499.8	9.7	-18.1	-9.5	0.22	-0.17	-11.07
1,600.0	0.67	280.42	1,599.8	10.1	-19.2	-9.9	0.19	-0.01	-16.25
1,700.0	0.95	281.75	1,699.8	10.3	-20.6	-10.2	0.28	0.28	1.33
1,800.0	0.98	276.28	1,799.8	10.6	-22.2	-10.4	0.10	0.03	-5.47
1,900.0	1.13	286.95	1,899.8	11.0	-24.0	-10.8	0.25	0.15	10.67
2,000.0	1.09	280.01	1,999.8	11.4	-25.9	-11.2	0.14	-0.04	-6.94
2,100.0	1.13	282.82	2,099.8	11.8	-27.8	-11.6	0.07	0.04	2.81
TIE IN @ 2186' MD / 2185.7' TVD									
2,186.0	1.09	281.59	2,185.7	12.2	-29.4	-11.9	0.05	-0.05	-1.43
2,253.0	1.10	278.20	2,252.7	12.4	-30.7	-12.1	0.10	0.01	-5.06
2,285.0	1.20	293.10	2,284.7	12.6	-31.3	-12.3	0.98	0.31	46.56
2,316.0	1.10	251.70	2,315.7	12.6	-31.9	-12.3	2.64	-0.32	-133.55
2,348.0	4.30	194.70	2,347.7	11.3	-32.5	-11.1	11.92	10.00	-178.13
2,380.0	8.00	186.90	2,379.5	8.0	-33.1	-7.7	11.83	11.56	-24.38
2,411.0	11.80	182.70	2,410.0	2.6	-33.5	-2.4	12.47	12.26	-13.55
2,443.0	16.20	178.70	2,441.1	-5.1	-33.5	5.4	14.07	13.75	-12.50
2,474.0	20.40	177.30	2,470.5	-14.8	-33.2	15.1	13.62	13.55	-4.52
2,506.0	24.40	178.60	2,500.1	-27.0	-32.7	27.3	12.59	12.50	4.06
2,537.0	28.00	179.70	2,527.9	-40.7	-32.6	40.9	11.72	11.61	3.55
2,569.0	31.30	180.00	2,555.7	-56.5	-32.5	56.8	10.32	10.31	0.94
2,600.0	34.70	179.80	2,581.7	-73.4	-32.5	73.7	10.97	10.97	-0.65
2,632.0	38.30	180.10	2,607.4	-92.4	-32.5	92.7	11.26	11.25	0.94
2,663.0	41.90	180.00	2,631.1	-112.4	-32.5	112.7	11.61	11.61	-0.32
2,695.0	46.10	180.50	2,654.1	-134.6	-32.6	134.9	13.17	13.13	1.56
2,726.0	49.30	181.50	2,675.0	-157.5	-33.0	157.8	10.59	10.32	3.23
2,758.0	52.70	182.40	2,695.1	-182.4	-33.8	182.7	10.85	10.63	2.81
2,789.0	55.80	182.20	2,713.2	-207.5	-34.9	207.8	10.01	10.00	-0.65
CROSSED HARDLINE @ 2804.4' MD / 2721.7' TVD									
2,804.4	57.48	181.76	2,721.7	-220.4	-35.3	220.7	11.19	10.93	-2.87
2,821.0	59.30	181.30	2,730.4	-234.5	-35.7	234.8	11.19	10.94	-2.76
2,852.0	63.30	179.80	2,745.3	-261.7	-35.9	262.0	13.58	12.90	-4.84
2,884.0	67.30	179.00	2,758.6	-290.7	-35.6	291.0	12.70	12.50	-2.50
2,915.0	71.30	178.70	2,769.6	-319.7	-35.0	320.0	12.93	12.90	-0.97
2,947.0	74.70	178.90	2,779.0	-350.3	-34.4	350.6	10.64	10.63	0.63
2,979.0	77.80	179.60	2,786.6	-381.4	-34.0	381.7	9.92	9.69	2.19
3,010.0	81.80	180.70	2,792.1	-411.9	-34.1	412.2	13.37	12.90	3.55
3,047.0	85.60	180.90	2,796.1	-448.7	-34.6	448.9	10.28	10.27	0.54
3,094.0	89.40	180.80	2,798.2	-495.6	-35.3	495.9	8.09	8.09	-0.21

DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Quick Draw 10 BO #1H
Project:	Eddy County, New Mexico	TVD Reference:	WELL @ 3441.0usft (Patterson #41)
Site:	Section 10-20S-25E	MD Reference:	WELL @ 3441.0usft (Patterson #41)
Well:	Quick Draw 10 BO #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)
3,126.0	89.20	181.50	2,798.6	-527.6	-35.9	527.9	2.27	-0.63	2.19
3,157.0	89.00	181.90	2,799.0	-558.6	-36.8	558.9	1.44	-0.65	1.29
3,221.0	89.50	181.40	2,799.9	-622.6	-38.7	622.9	1.10	0.78	-0.78
3,284.0	89.30	181.60	2,800.5	-685.5	-40.3	685.8	0.45	-0.32	0.32
3,347.0	88.40	181.50	2,801.8	-748.5	-42.0	748.8	1.44	-1.43	-0.16
3,410.0	89.20	181.80	2,803.1	-811.5	-43.9	811.8	1.36	1.27	0.48
3,474.0	89.30	180.40	2,804.0	-875.4	-45.1	875.8	2.19	0.16	-2.19
3,537.0	89.50	179.90	2,804.6	-938.4	-45.2	938.8	0.85	0.32	-0.79
3,600.0	89.80	179.00	2,805.0	-1,001.4	-44.6	1,001.8	1.51	0.48	-1.43
3,664.0	89.30	179.30	2,805.5	-1,065.4	-43.7	1,065.7	0.91	-0.78	0.47
3,727.0	89.10	177.90	2,806.4	-1,128.4	-42.2	1,128.7	2.24	-0.32	-2.22
3,790.0	89.60	177.50	2,807.1	-1,191.3	-39.6	1,191.6	1.02	0.79	-0.63
3,885.0	89.00	178.20	2,808.3	-1,286.3	-36.1	1,286.5	0.97	-0.63	0.74
3,980.0	88.60	178.40	2,810.3	-1,381.2	-33.2	1,381.4	0.47	-0.42	0.21
4,075.0	88.80	178.80	2,812.4	-1,476.1	-30.9	1,476.3	0.47	0.21	0.42
4,170.0	89.80	179.10	2,813.6	-1,571.1	-29.2	1,571.3	1.10	1.05	0.32
4,265.0	88.40	179.30	2,815.1	-1,666.1	-27.9	1,666.3	1.49	-1.47	0.21
4,360.0	89.40	179.10	2,816.9	-1,761.1	-26.5	1,761.2	1.07	1.05	-0.21
4,454.0	89.20	180.00	2,818.0	-1,855.1	-25.8	1,855.2	0.98	-0.21	0.96
4,549.0	88.00	180.20	2,820.4	-1,950.0	-26.0	1,950.2	1.28	-1.26	0.21
4,645.0	90.10	179.30	2,821.9	-2,046.0	-25.5	2,046.1	2.38	2.19	-0.94
4,739.0	89.20	179.00	2,822.5	-2,140.0	-24.1	2,140.1	1.01	-0.96	-0.32
4,835.0	90.30	178.70	2,822.9	-2,236.0	-22.2	2,236.1	1.19	1.15	-0.31
4,929.0	89.30	178.90	2,823.3	-2,329.9	-20.2	2,330.0	1.08	-1.06	0.21
5,024.0	88.20	179.10	2,825.3	-2,424.9	-18.6	2,425.0	1.18	-1.16	0.21
5,119.0	89.50	180.00	2,827.2	-2,519.9	-17.8	2,519.9	1.66	1.37	0.95
5,214.0	88.50	180.80	2,828.9	-2,614.9	-18.5	2,614.9	1.35	-1.05	0.84
5,309.0	89.50	179.70	2,830.6	-2,709.8	-18.9	2,709.9	1.56	1.05	-1.16
5,401.0	88.60	179.50	2,832.1	-2,801.8	-18.3	2,801.9	1.00	-0.98	-0.22
5,493.0	90.10	178.70	2,833.1	-2,893.8	-16.8	2,893.8	1.85	1.63	-0.87
5,585.0	89.60	178.70	2,833.4	-2,985.8	-14.7	2,985.8	0.54	-0.54	0.00
5,675.0	88.80	178.00	2,834.6	-3,075.7	-12.2	3,075.7	1.18	-0.89	-0.78
5,767.0	89.70	178.60	2,835.8	-3,167.7	-9.4	3,167.7	1.18	0.98	0.65
5,857.0	89.20	178.70	2,836.7	-3,257.7	-7.3	3,257.6	0.57	-0.56	0.11
5,948.0	90.60	178.10	2,836.9	-3,348.6	-4.8	3,348.5	1.67	1.54	-0.66
6,041.0	89.60	178.00	2,836.7	-3,441.6	-1.6	3,441.5	1.08	-1.08	-0.11
6,133.0	89.30	177.80	2,837.6	-3,533.5	1.8	3,533.4	0.39	-0.33	-0.22
6,226.0	88.00	176.70	2,839.8	-3,626.4	6.2	3,626.2	1.83	-1.40	-1.18
6,320.0	89.10	178.20	2,842.1	-3,720.2	10.4	3,720.0	1.98	1.17	1.60
6,415.0	88.20	177.90	2,844.4	-3,815.2	13.6	3,814.9	1.00	-0.95	-0.32
6,510.0	89.80	178.70	2,846.0	-3,910.1	16.5	3,909.8	1.88	1.68	0.84
6,605.0	88.50	178.70	2,847.5	-4,005.1	18.6	4,004.8	1.37	-1.37	0.00
6,699.0	88.70	178.70	2,849.7	-4,099.0	20.7	4,098.7	0.21	0.21	0.00
6,794.0	90.20	179.80	2,850.7	-4,194.0	22.0	4,193.7	1.96	1.58	1.16

DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Quick Draw 10 BO #1H
Project:	Eddy County, New Mexico	TVD Reference:	WELL @ 3441.0usft (Patterson #41)
Site:	Section 10-20S-25E	MD Reference:	WELL @ 3441.0usft (Patterson #41)
Well:	Quick Draw 10 BO #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)
6,889.0	89.40	180.10	2,851.0	-4,289.0	22.1	4,288.7	0.90	-0.84	0.32
6,984.0	88.40	180.50	2,852.8	-4,384.0	21.6	4,383.6	1.13	-1.05	0.42
7,079.0	89.20	181.90	2,854.8	-4,478.9	19.6	4,478.6	1.70	0.84	1.47
7,174.0	90.90	182.30	2,854.7	-4,573.9	16.1	4,573.6	1.84	1.79	0.42
7,269.0	89.70	183.00	2,854.2	-4,668.7	11.7	4,668.5	1.46	-1.26	0.74
7,364.0	88.80	183.00	2,855.5	-4,763.6	6.7	4,763.4	0.95	-0.95	0.00
7,449.0	87.60	183.10	2,858.1	-4,848.4	2.2	4,848.3	1.42	-1.41	0.12
TD @ 7500' MD / 2860.3' TVD									
7,500.0	87.60	183.10	2,860.3	-4,899.3	-0.5	4,899.2	0.00	0.00	0.00

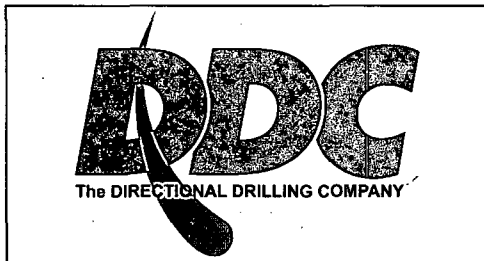
Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2,186.0	2,185.7	12.2	-29.4	TIE IN @ 2186' MD / 2185.7' TVD
2,804.4	2,721.7	-220.4	-35.3	CROSSED HARDLINE @ 2804.4' MD / 2721.7' TVD
7,500.0	2,860.3	-4,899.3	-0.5	TD @ 7500' MD / 2860.3' TVD

Checked By: _____	Approved By: _____	Date: _____
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Company Name: Mewbourne Oil Co
Quick Draw 10 BO #1H
Eddy County, New Mexico
Rlg: Patterson #41
Created By: TIFFANI MIZELL
Date: 3/13/2013

Quick Draw 10 BO #1H
Eddy County, New Mexico
Q130030 & WT-13174
Design #2

Mewbourne Oil Company



T. Azimuths to Grid North
M Magnetic North: 7.89°

Magnetic Field
Strength: 48568.6snT
Dip Angle: 60.33°
Date: 2/27/2013
Model: IGRF2010

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: Quick Draw 10 BO #1H

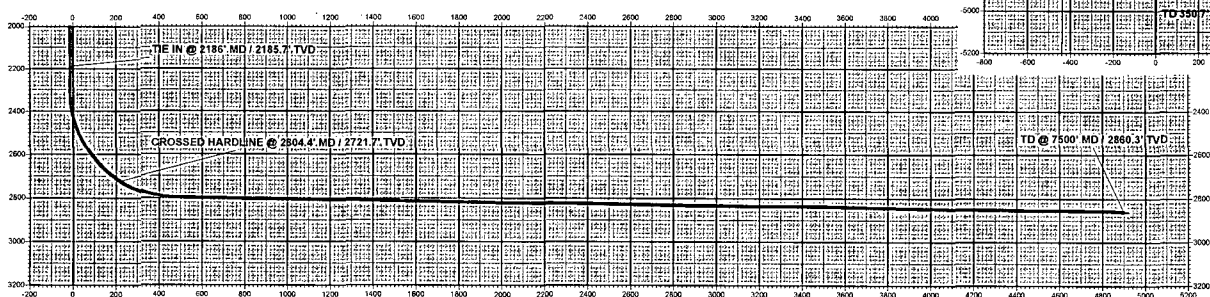
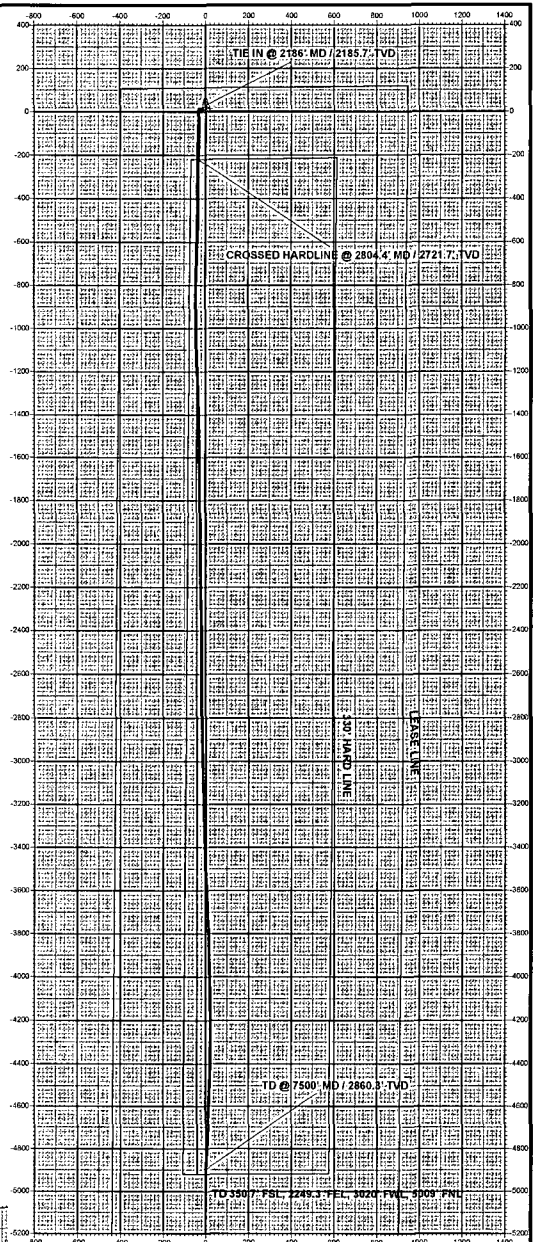
Ground Level: 3422.9
+N/-S +E/-W Northing Easting Latitude Longitude
0.0 0.0 580153.91 457559.2132 35° 41' 54.2" N 104° 28' 16.051" W

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PBHL Quick Draw 10 BO #1H Design #1 - plan hits target center	2862.9	-4920.2	-41.3	575235.61	457556.31	32° 34' 52.852" N	104° 28' 16.051" W

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation
2186.0	1.09	281.59	2185.7	12.2	-29.4	-11.9	33.0	TIE IN @ 2186' MD / 2185.7' TVD
2804.4	57.48	181.76	2721.7	-220.4	-35.3	220.7	269.1	CROSSED HARDLINE @ 2804.4' MD / 2721.7' TVD
7500.0	87.60	183.10	2860.3	-4899.3	-0.6	4899.2	4949.6	TD @ 7500' MD / 2860.3' TVD



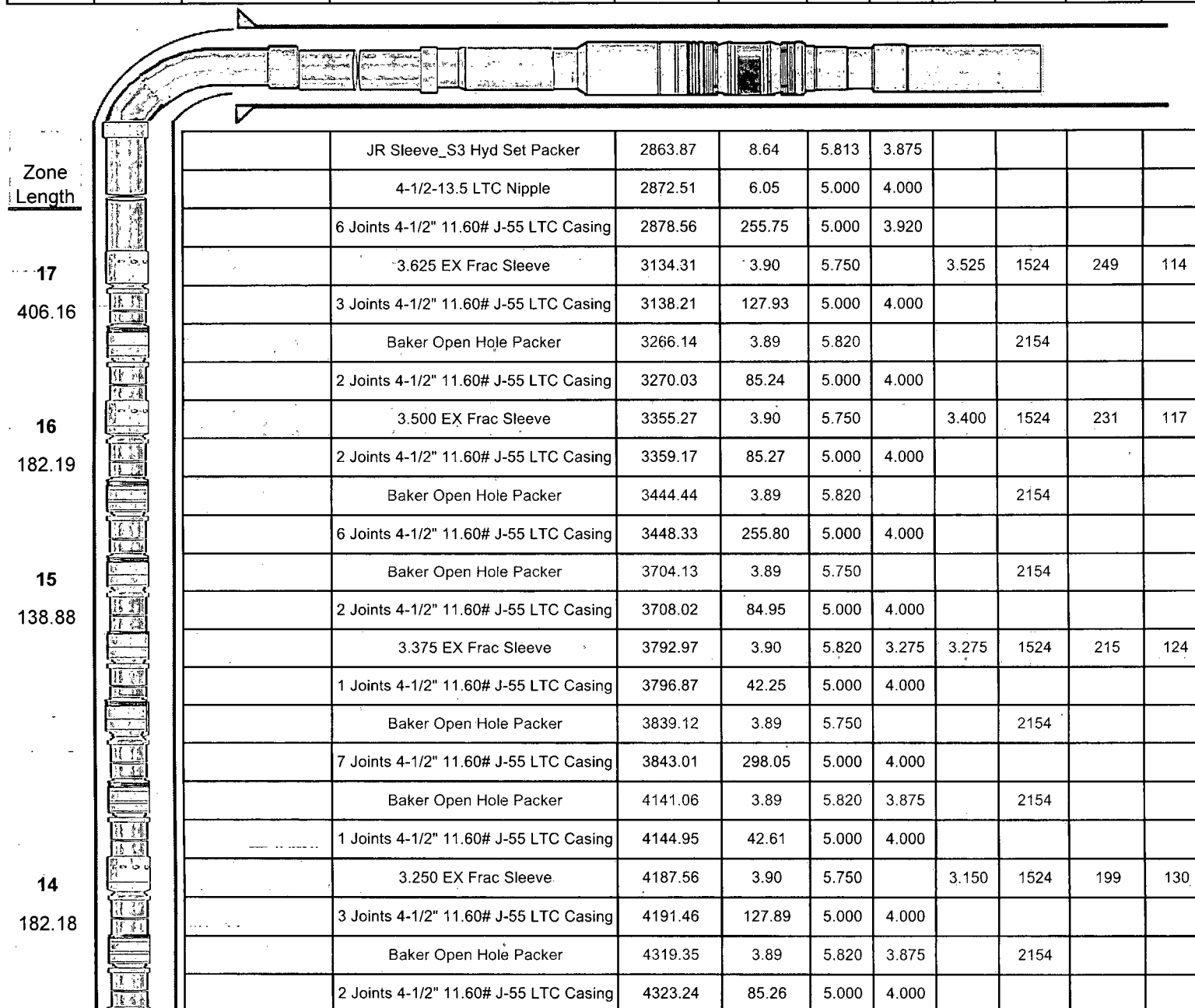
Vertical Section at 180.48° (200 usf/in)

Company Rep David Berryman
Field _____
BOT Service Rep John Davis



District Location	Odessa, Texas, USA
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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	2863.87							



Operating Company Mewbourne
Well Name & Number Quick Draw 10 BO #1H
Sales Ticket Number 0005344742-1
Date 3/12/2013

Company Rep David Berryman
Field
BOT Service Rep John Davis
District Location Odessa, Texas, USA



	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse	
Casing	7.000	26.00	J-55	6.276	6.151	LT&C	0.03826	3,100.00	9,960	6,230	
Top Liner	4.500	11.60	J-55	4.000	3.875	LT&C	0.01554	4,591.13	5,350	4,960	
Bott Liner											
TVD	2,801.93		KOP		2,330.00		Open Hole		6.125	Casing Vol. (bbl)	109.6
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)
13		3.125 EX Frac sleeve	4408.50	3.90	5.750		3.025	1524	183	134
182.18		2 Joints 4-1/2" 11.60# J-55 LTC Casing	4412.40	85.24	5.000	4.000				
		Baker Open Hole Packer	4497.64	3.89	5.820	3.875		2154		
		2 Joints 4-1/2" 11.60# J-55 LTC Casing	4501.53	85.27	5.000	4.000				
12		3.000 EX Frac Sleeve	4586.80	3.90	5.750		2.900	1524	168	136
182.26		2 Joints 4-1/2" 11.60# J-55 LTC Casing	4590.70	85.31	5.000	4.000				
		Baker Open Hole Packer	4676.01	3.89	5.820	3.875		2154		
		2 Joints 4-1/2" 11.60# J-55 LTC Casing	4679.90	85.27	5.000	4.000				
11		2.875 EX Frac Sleeve	4765.17	3.90	5.750		2.775	1524	154	139
182.21		2 Joints 4-1/2" 11.60# J-55 LTC Casing	4769.07	85.26	5.000	4.000				
		Baker Open Hole Packer	4854.33	3.89	5.820	3.875		2154		
		2 Joints 4-1/2" 11.60# J-55 LTC Casing	4858.22	85.25	5.000	4.000				
10		2.750 EX Frac Sleeve	4943.47	3.90	5.750		2.650	1524	141	142
182.19		2 Joints 4-1/2" 11.60# J-55 LTC Casing	4947.37	85.26	5.000	4.000				
		Baker Open Hole Packer	5032.63	3.89	5.820	3.875		2154		
		2 Joints 4-1/2" 11.60# J-55 LTC Casing	5036.52	85.22	5.000	4.000				
9		2.625 EX Frac Sleeve	5121.74	3.90	5.750		2.525	1524	128	145
181.07		2 Joints 4-1/2" 11.60# J-55 LTC Casing	5125.64	84.97	5.000	4.000				
		Baker Open Hole Packer	5210.61	3.89	5.820	3.875		2154		
		5 Joints 4-1/2" 11.60# J-55 LTC Casing	5214.50	212.87	5.000	4.000				
8		Baker Open Hole Packer	5427.37	3.89	5.750			2154		
96.92		1 Joints 4-1/2" 11.60# J-55 LTC Casing	5431.26	42.62	5.000	4.000				
		2.500 EX Frac Sleeve	5473.88	3.90	5.820	3.875	2.400	1524	115	150
		1 Joints 4-1/2" 11.60# J-55 LTC Casing	5477.78	42.62	5.000	4.000				
		Baker Open Hole Packer	5520.40	3.89	5.750			2154		
		4 Joints 4-1/2" 11.60# J-55 LTC Casing	5524.29	170.12	5.000	4.000				
		Baker Open Hole Packer	5694.41	3.89	5.820	3.875		2154		

Operating Company Mewbourne
 Well Name & Number Quick Draw 10 BO #1H
 Sales Ticket Number 0005344742-1
 Date 3/12/2013

Company Rep David Berryman
 Field
 BOT Service Rep John Davis
 District Location Odessa, Texas, USA



	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse		
Casing	7.000	26.00	J-55	6.276	6.151	LT&C	0.03826	3,100.00	9,960	6,230		
Top Liner	4.500	11.60	J-55	4.000	3.875	LT&C	0.01554	4,591.13	5,350	4,960		
Bott Liner-												
TVD		2,801.93		KOP		2,330.00		Open Hole		6.125	Casing Vol. (bbl)	109.6
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)
7 181.43		2 Joints 4-1/2" 11.60# J-55 LTC Casing	5698.30	84.90	5.000	4.000				
		2.375 EX Frac Sleeve	5783.20	3.90	5.750		2.025	1524	82	155
		2 Joints 4-1/2" 11.60# J-55 LTC Casing	5787.10	84.85	5.000	4.000				
		Baker Open Hole Packer	5871.95	3.89	5.820	3.875		2154		
6 182.22		2 Joints 4-1/2" 11.60# J-55 LTC Casing	5875.84	85.27	5.000	4.000				
		2.250 EX Frac Sleeve	5961.11	3.90	5.750		2.150	1524	93	158
		2 Joints 4-1/2" 11.60# J-55 LTC Casing	5965.01	85.27	5.000	4.000				
		Baker Open Hole Packer	6050.28	3.89	5.820	3.875		2154		
5 181.25		7 Joints 4-1/2" 11.60# J-55 LTC Casing	6054.17	297.04	5.000	4.000				
		Baker Open Hole Packer	6351.21	3.89	5.750			2154		
		2 Joints 4-1/2" 11.60# J-55 LTC Casing	6355.10	84.63	5.000	4.000				
		2.125 EX Frac Sleeve	6439.73	3.90	5.820	3.875	2.025	1524	82	165
4 224.4		2 Joints 4-1/2" 11.60# J-55 LTC Casing	6443.63	84.94	5.000	4.000				
		Baker Open Hole Packer	6528.57	3.89	5.750			2154		
		5 Joints 4-1/2" 11.60# J-55 LTC Casing	6532.46	213.18	5.000	4.000				
		Baker Open Hole Packer	6745.64	3.89	5.820	3.875		2154		
3 181.74		2 Joints 4-1/2" 11.60# J-55 LTC Casing	6749.53	85.26	5.000	4.000				
		2.000 EX Frac Sleeve	6834.79	3.90	5.750		1.900	1524	72	171
		3 Joints 4-1/2" 11.60# J-55 LTC Casing	6838.69	127.56	5.000	4.000				
		Baker Open Hole Packer	6966.25	3.89	5.820	3.875		2154		
2 223.49		2 Joints 4-1/2" 11.60# J-55 LTC Casing	6970.14	85.23	5.000	4.000				
		1.875 EX Frac Sleeve	7055.37	3.90	5.750		1.775	1524	63	175
		2 Joints 4-1/2" 11.60# J-55 LTC Casing	7059.27	84.83	5.000	4.000				
		Baker Open Hole Packer	7144.10	3.89	5.820			2154		
		2 Joints 4-1/2" 11.60# J-55 LTC Casing	7147.99	84.38	5.000	4.000				
		1.750 EX Frac Sleeve	7232.37	3.90	5.750		1.650	1524		177
		3 Joints 4-1/2" 11.60# J-55 LTC Casing	7236.27	127.43	5.000	4.000				

Sales Ticket Number 0005344742-1

District Location Odessa, Texas, USA



	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse
Casing	7.000	26.00	J-55	6.276	6.151	LT&C	0.03826	3,100.00	9,960	6,230
Top Liner	4.500	11.60	J-55	4.000	3.875	LT&C	0.01554	4,591.13	5,350	4,960
Bott Liner										
TVD	2,801.93		KOP		2,330.00		Open Hole	6.125	Casing Vol. (bbl)	109.6
Carry Fluid Weight (ppg)			8.7		Propant Content (ppa)				Max Drill Out Size	0

[illegible]