

OPERATOR
WELL/LEASE
COUNTY

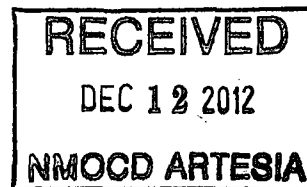
MEWBOURNE OIL COMPANY
BRADLEY 30 FED COM 3H
EDDY

045-0087

STATE OF NEW MEXICO
DEVIATION REPORT

30-015-40168

295	0.45
542	0.43
844	0.93
1,099	1.48
1,381	0.41
1,723	1.47
1,977	0.97
2,230	0.74
2,739	0.50
3,183	0.35
3,629	0.75
4,073	1.07
4,551	0.96
4,964	0.81
5,376	0.96
5,753	0.96
6,139	1.42
6,548	1.14
6,959	1.13



STATE OF TEXAS

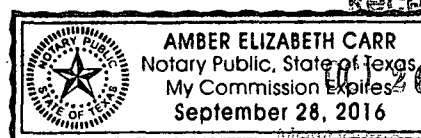
BY:

COUNTY OF MIDLAND

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

10/24/12, by

Notary Public for Midland County, Texas
My Commission Expires:



Received

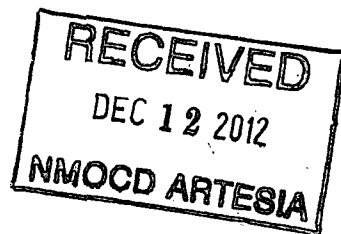
2012

Company
Hobbs



Job Number: SVMO-120024
 Company: Mewbourne Oil & Gas
 Lease/Well: Bradley 30 Federal Com
 Location: Eddy County, NM
 Rig Name: Patterson #45
 RKB: 17.5'
 G.L. or M.S.L.: GL

State/Country: New Mexico/USA
 Declination: 7.51°
 Grid: East To Grid North
 File name: F:\SURVEY\2012SU-1\MEWBOU-1\MO\BRADLEY\30FEDCOM.SVY
 Date/Time: 25-Oct-12 / 10:44
 Curve Name: Surface - 7125' M.D. (SRG)



WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane .00
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

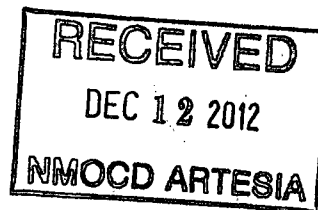
We hereby certify that our survey data from
 Surface MD to 7125' MD is, to the best of
 our knowledge a true and accurate account of
 the well bore.
 Daniel West 10/25/12
 MS Energy Services Date

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
100.00	.29	23.49	100.00	.23	.10	.23	.25	23.49	.29
200.00	.44	41.78	200.00	.75	.46	.75	.88	31.37	.19
300.00	.41	43.66	299.99	1.30	.96	1.30	1.61	36.55	.03
400.00	.42	30.62	399.99	1.87	1.39	1.87	2.33	36.71	.09
500.00	.56	9.01	499.99	2.67	1.66	2.67	3.14	31.85	.23
600.00	.55	27.59	599.98	3.58	1.96	3.58	4.08	28.68	.18
700.00	.69	18.55	699.98	4.57	2.37	4.57	5.15	27.40	.17
800.00	1.02	42.43	799.97	5.80	3.16	5.80	6.61	28.60	.48
900.00	1.15	40.09	899.95	7.22	4.41	7.22	8.46	31.39	.14

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
1000.00	1.50	45.89	999.92	8.90	5.99	8.90	10.73	33.95	.37
1100.00	1.75	51.01	1099.88	10.78	8.12	10.78	13.49	37.01	.29
1200.00	1.52	59.82	1199.84	12.40	10.45	12.40	16.22	40.13	.34
1300.00	1.14	47.43	1299.81	13.74	12.33	13.74	18.47	41.91	.47
1400.00	.96	54.76	1399.80	14.90	13.75	14.90	20.27	42.71	.22
1500.00	.81	41.59	1499.79	15.91	14.90	15.91	21.80	43.13	.25
1600.00	.87	32.86	1599.78	17.08	15.79	17.08	23.26	42.75	.14
1700.00	.72	14.62	1699.77	18.32	16.36	18.32	24.56	41.75	.29
1800.00	.54	357.19	1799.76	19.40	16.49	19.40	25.46	40.36	.26
1900.00	.67	338.71	1899.75	20.42	16.26	20.42	26.10	38.53	.23
2000.00	.75	339.64	1999.75	21.58	15.82	21.58	26.75	36.24	.08
2100.00	.63	338.18	2099.74	22.70	15.38	22.70	27.42	34.13	.12
2200.00	.50	342.25	2199.73	23.63	15.05	23.63	28.01	32.49	.14
2300.00	.56	2.77	2299.73	24.53	14.94	24.53	28.72	31.34	.20
2400.00	.68	14.57	2399.72	25.59	15.11	25.59	29.72	30.56	.17
2500.00	.88	.82	2499.72	26.93	15.27	26.93	30.96	29.55	.27
2600.00	.84	2.57	2599.70	28.43	15.31	28.43	32.30	28.31	.05
2700.00	.94	358.66	2699.69	29.99	15.33	29.99	33.68	27.07	.12
2800.00	.98	355.57	2799.68	31.66	15.24	31.66	35.14	25.71	.07
2900.00	.78	350.68	2899.67	33.18	15.07	33.18	36.44	24.42	.21
3000.00	.78	342.88	2999.66	34.50	14.76	34.50	37.53	23.15	.11
3100.00	.87	332.14	3099.65	35.83	14.20	35.83	38.54	21.62	.18
3200.00	.70	313.29	3199.64	36.92	13.40	36.92	39.27	19.95	.31
3300.00	.58	332.91	3299.63	37.79	12.73	37.79	39.87	18.61	.25
3400.00	.61	329.83	3399.63	38.70	12.23	38.70	40.58	17.54	.04
3500.00	.74	304.81	3499.62	39.53	11.43	39.53	41.15	16.13	.32
3600.00	.96	306.49	3599.61	40.39	10.23	40.39	41.67	14.21	.22
3700.00	1.28	314.70	3699.59	41.68	8.76	41.68	42.59	11.87	.36
3800.00	1.46	313.53	3799.56	43.34	7.04	43.34	43.91	9.23	.18

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
3900.00	1.45	298.16	3899.53	44.81	5.00	44.81	45.09	6.37	.39
4000.00	1.32	284.35	3999.50	45.70	2.77	45.70	45.78	3.47	.36
4100.00	1.51	268.99	4099.47	45.96	.34	45.96	45.96	.42	.42
4200.00	1.48	262.29	4199.44	45.76	-2.26	45.76	45.82	357.17	.18
4300.00	1.10	265.18	4299.41	45.51	-4.50	45.51	45.73	354.36	.39
4400.00	.73	266.07	4399.40	45.38	-6.09	45.38	45.79	352.36	.37
4500.00	1.08	276.68	4499.38	45.45	-7.66	45.45	46.09	350.43	.39
4600.00	.86	277.62	4599.37	45.66	-9.34	45.66	46.60	348.44	.22
4700.00	.87	289.57	4699.36	46.01	-10.80	46.01	47.26	346.79	.18
4800.00	.97	270.53	4799.35	46.28	-12.36	46.28	47.90	345.05	.32
4900.00	.89	288.55	4899.33	46.53	-13.94	46.53	48.57	343.32	.30
5000.00	.99	277.82	4999.32	46.89	-15.53	46.89	49.40	341.67	.20
5100.00	.77	281.61	5099.31	47.15	-17.05	47.15	50.14	340.12	.23
5200.00	.74	258.27	5199.30	47.15	-18.34	47.15	50.59	338.75	.31
5300.00	.90	221.99	5299.29	46.44	-19.50	46.44	50.36	337.22	.53
5400.00	1.09	233.68	5399.27	45.29	-20.79	45.29	49.83	335.34	.28
5500.00	.81	196.17	5499.26	44.05	-21.75	44.05	49.13	333.72	.67
5600.00	1.01	197.64	5599.25	42.53	-22.22	42.53	47.98	332.42	.20
5700.00	1.17	172.75	5699.23	40.68	-22.35	40.68	46.41	331.21	.50
5800.00	1.38	181.66	5799.21	38.46	-22.26	38.46	44.44	329.94	.29
5900.00	1.23	182.58	5899.18	36.18	-22.34	36.18	42.53	328.30	.15
6000.00	1.60	182.56	5999.15	33.72	-22.45	33.72	40.51	326.34	.37
6100.00	1.63	187.24	6099.11	30.91	-22.70	30.91	38.35	323.71	.14
6200.00	1.52	202.60	6199.07	28.28	-23.38	28.28	36.69	320.41	.43
6300.00	1.37	223.21	6299.04	26.18	-24.71	26.18	36.00	316.65	.54
6400.00	1.36	232.58	6399.01	24.59	-26.47	24.59	36.13	312.88	.22
6500.00	1.29	253.76	6498.99	23.55	-28.50	23.55	36.97	309.57	.49
6600.00	1.19	271.18	6598.96	23.26	-30.62	23.26	38.45	307.22	.39
6700.00	.97	263.60	6698.95	23.18	-32.50	23.18	39.92	305.51	.26

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
6800.00	.41	211.11	6798.94	22.78	-33.52	22.78	40.53	304.20	.79
6900.00	.66	188.16	6898.94	21.91	-33.79	21.91	40.27	302.96	.32
7000.00	.97	147.20	6998.93	20.63	-33.41	20.63	39.26	301.69	.64
7100.00	.75	138.45	7098.91	19.42	-32.52	19.42	37.88	300.85	.26
Last Survey Depth Recorded									
7125.00	.76	134.67	7123.91	19.19	-32.29	19.19	37.56	300.72	.20



Mewbourne Oil Co

Eddy County, New Mexico

Sec 30, T18S, R30E

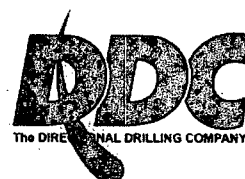
Bradley 30 Fed Com #3H

Wellbore #1

Survey: MWD

DDC Survey Report

06 November, 2012



DDC Survey Report



Company:	Mewbourne Oil Co.	Local Co-ordinate Reference:	Well Bradley 30 Fed Com #3H
Project:	Eddy County, New Mexico	TVD Reference:	well @ 3475.0usft (Patterson_UTI #45)
Site:	Sec 30, T18S, R30E	MD Reference:	well @ 3475.0usft (Patterson_UTI #45)
Well:	Bradley 30 Fed Com #3H	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 30, T18S, R30E		
Site Position:		Northing:	622,986.86 usft
From:	Lat/Long	Easting:	601,612.61 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 42' 44.110 N
		Longitude:	104° 0' 10.680 W
		Grid Convergence:	0.18 °

Well	Bradley 30 Fed Com #3H		
Well Position	+N-S	0.0 usft	Northing: 626,032.67 usft
	+E-W	0.0 usft	Easting: 596,767.15 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 43' 14.396 N
		Longitude:	104° 1' 7.287 W
		Ground Level:	3,455.0 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	10/19/2012	7.66	60.54	48,731

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)	Direction (°)
	0.0	0.0	0.0	88.39

Survey Program Date 11/6/2012

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	7,125.0	GYRO (Wellbore #1)	Good_gyro	Good Gyro
7,286.0	12,599.0	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 @ 7125' MD / 7124' TVD									
7,125.0	0.76	134.67	7,123.9	19.2	-32.3	-31.7	0.00	0.00	0.00
7,286.0	1.10	103.10	7,284.9	18.1	-30.0	-29.5	0.37	0.21	-19.61
7,427.0	1.00	131.80	7,425.9	17.0	-27.8	-27.3	0.38	-0.07	20.35
7,508.0	0.80	132.30	7,506.9	16.1	-26.8	-26.4	0.25	-0.25	0.62
7,540.0	1.00	89.60	7,538.9	16.0	-26.4	-25.9	2.13	0.63	-133.44
7,572.0	2.50	94.20	7,570.8	15.9	-25.4	-25.0	4.70	4.69	14.38
7,603.0	5.70	88.50	7,601.8	15.9	-23.2	-22.8	10.39	10.32	-18.39
7,635.0	10.10	85.40	7,633.4	16.2	-18.8	-18.4	13.81	13.75	-9.69
7,667.0	14.10	85.00	7,664.7	16.7	-12.1	-11.7	12.50	12.50	-1.25

DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well-Bradley 30 Fed Com #3H
Project:	Eddy County New Mexico	TVD Reference:	well @ 3475.0usft (Patterson UTI #45)
Site:	Sec 30, T18S, R30E	MD Reference:	well @ 3475.0usft (Patterson UTI #45)
Well:	Bradley 30 Fed Com #3H	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)
7,699.0	17.90	86.40	7,695.5	17.4	-3.3	-2.9	11.94	11.88	4.38
7,730.0	21.50	86.40	7,724.7	18.0	7.1	7.6	11.61	11.61	0.00
7,762.0	24.90	86.90	7,754.1	18.8	19.7	20.2	10.64	10.63	1.56
7,794.0	27.70	88.70	7,782.8	19.3	33.8	34.4	9.10	8.75	5.63
7,826.0	30.60	89.80	7,810.7	19.5	49.4	49.9	9.22	9.06	3.44
7,858.0	34.50	90.80	7,837.7	19.4	66.6	67.1	12.30	12.19	3.13
7,889.0	37.70	90.30	7,862.7	19.2	84.9	85.4	10.37	10.32	-1.61
7,921.0	41.50	89.80	7,887.4	19.2	105.3	105.8	11.92	11.88	-1.56
7,953.0	45.50	89.80	7,910.6	19.3	127.3	127.8	12.50	12.50	0.00
7,985.0	49.20	89.10	7,932.3	19.5	150.8	151.3	11.67	11.56	-2.19
8,016.0	52.50	88.90	7,951.8	19.9	174.9	175.4	10.66	10.65	-0.65
CROSSED HARD LINE @ 8025' MD / 7958' TVD									
8,025.4	53.70	88.69	7,957.5	20.1	182.4	182.9	12.94	12.81	-2.27
8,048.0	56.60	88.20	7,970.4	20.6	200.9	201.4	12.94	12.81	-2.15
8,080.0	59.70	88.70	7,987.3	21.3	228.1	228.6	9.78	9.69	1.56
8,112.0	63.10	89.10	8,002.6	21.9	256.2	256.7	10.68	10.63	1.25
8,143.0	67.00	88.90	8,015.6	22.4	284.3	284.8	12.59	12.58	-0.65
8,175.0	71.50	88.00	8,027.0	23.2	314.2	314.7	14.31	14.06	-2.81
8,207.0	74.70	88.70	8,036.3	24.1	344.8	345.3	10.22	10.00	2.19
8,239.0	77.90	88.90	8,043.9	24.7	375.9	376.4	10.02	10.00	0.63
8,346.0	87.80	93.10	8,057.2	22.8	481.9	482.3	10.04	9.25	3.93
8,378.0	89.40	92.90	8,058.0	21.1	513.8	514.2	5.04	5.00	-0.63
8,409.0	89.90	93.10	8,058.1	19.5	544.8	545.1	1.74	1.61	0.65
8,441.0	89.90	93.30	8,058.2	17.7	576.7	577.0	0.62	0.00	0.63
8,473.0	88.80	92.20	8,058.6	16.2	608.7	608.9	4.86	-3.44	-3.44
8,504.0	88.10	91.00	8,059.4	15.3	639.6	639.8	4.48	-2.26	-3.87
8,536.0	88.60	91.20	8,060.3	14.7	671.6	671.8	1.68	1.56	0.63
8,566.0	89.70	92.40	8,060.8	13.8	701.6	701.7	5.43	3.67	4.00
8,600.0	90.00	91.20	8,060.9	12.7	735.6	735.7	3.64	0.88	-3.53
8,631.0	90.10	90.10	8,060.8	12.4	766.6	766.6	3.56	0.32	-3.55
8,663.0	90.30	89.80	8,060.7	12.4	798.6	798.6	1.13	0.63	-0.94
8,695.0	89.90	88.90	8,060.7	12.8	830.6	830.6	3.08	-1.25	-2.81
8,726.0	89.30	88.20	8,060.9	13.5	861.6	861.6	2.97	-1.94	-2.26
8,789.0	89.30	88.90	8,061.6	15.1	924.5	924.6	1.11	0.00	1.11
8,852.0	88.70	86.90	8,062.7	17.4	987.5	987.6	3.31	-0.95	-3.17
8,916.0	88.90	84.70	8,064.1	22.1	1,051.3	1,051.5	3.45	0.31	-3.44
8,979.0	90.00	88.00	8,064.7	26.1	1,114.2	1,114.5	5.52	1.75	5.24
9,042.0	90.40	91.50	8,064.5	26.4	1,177.1	1,177.4	5.59	0.63	5.56
9,105.0	88.50	89.20	8,065.1	26.0	1,240.1	1,240.4	4.74	-3.02	-3.65
9,169.0	87.60	89.20	8,067.3	26.9	1,304.1	1,304.3	1.41	-1.41	0.00
9,232.0	87.10	87.80	8,070.2	28.6	1,367.0	1,367.3	2.36	-0.79	-2.22
9,296.0	86.70	86.20	8,073.6	31.9	1,430.8	1,431.1	2.57	-0.63	-2.50
9,359.0	87.10	86.60	8,077.0	35.9	1,493.6	1,494.0	0.90	0.63	0.63

DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well: Bradley 30 Fed Com #3H
Project:	Eddy County New Mexico	TVD Reference:	well @ 3475.0usft (Patterson UTI #45)
Site:	Sec 30 T18S R30E	MD Reference:	well @ 3475.0usft (Patterson UTI #45)
Well:	Bradley 30 Fed Com #3H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM-5000.1 Single User Db

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)
9,423.0	88.40	86.90	8,079.5	39.5	1,557.4	1,557.9	2.08	2.03	0.47
9,485.0	89.40	87.80	8,080.7	42.3	1,619.4	1,619.9	2.17	1.61	1.45
9,549.0	90.40	91.50	8,080.8	42.7	1,683.4	1,683.9	5.99	1.56	5.78
9,581.0	90.80	92.70	8,080.5	41.6	1,715.3	1,715.8	3.95	1.25	3.75
9,612.0	91.40	94.30	8,079.9	39.7	1,746.3	1,746.7	5.51	1.94	5.16
9,644.0	90.60	92.90	8,079.4	37.7	1,778.2	1,778.6	5.04	-2.50	-4.38
9,676.0	89.80	91.30	8,079.2	36.5	1,810.2	1,810.5	5.59	-2.50	-5.00
9,707.0	90.30	92.70	8,079.2	35.4	1,841.2	1,841.4	4.80	1.61	4.52
9,739.0	90.50	92.20	8,079.0	34.0	1,873.1	1,873.3	1.68	0.63	-1.56
9,770.0	91.40	91.70	8,078.5	33.0	1,904.1	1,904.3	3.32	2.90	-1.61
9,802.0	90.60	91.20	8,077.9	32.2	1,936.1	1,936.2	2.95	-2.50	-1.56
9,833.0	89.70	91.20	8,077.8	31.5	1,967.1	1,967.2	2.90	-2.90	0.00
9,865.0	89.70	89.80	8,078.0	31.3	1,999.1	1,999.2	4.37	0.00	-4.38
9,897.0	90.02	89.60	8,078.1	31.4	2,031.1	2,031.2	1.18	1.00	-0.63
9,928.0	90.60	90.10	8,077.9	31.5	2,062.1	2,062.1	2.47	1.87	1.61
9,960.0	90.20	88.70	8,077.7	31.8	2,094.1	2,094.1	4.55	-1.25	-4.38
9,991.0	89.30	86.90	8,077.8	33.0	2,125.0	2,125.1	6.49	-2.90	-5.81
10,023.0	90.20	87.30	8,078.0	34.6	2,157.0	2,157.1	3.08	2.81	1.25
10,055.0	90.50	88.00	8,077.8	36.0	2,189.0	2,189.1	2.38	0.94	2.19
10,087.0	89.50	88.20	8,077.8	37.0	2,221.0	2,221.1	3.19	-3.13	0.63
10,118.0	88.60	87.80	8,078.3	38.1	2,251.9	2,252.1	3.18	-2.90	-1.29
10,149.0	88.60	87.80	8,079.1	39.3	2,282.9	2,283.1	0.00	0.00	0.00
10,181.0	89.30	87.50	8,079.6	40.6	2,314.9	2,315.1	2.38	2.19	-0.94
10,212.0	89.80	87.70	8,079.9	41.9	2,345.8	2,346.1	1.74	1.61	0.65
10,244.0	89.00	86.80	8,080.2	43.4	2,377.8	2,378.1	3.76	-2.50	-2.81
10,275.0	89.40	86.90	8,080.6	45.1	2,408.8	2,409.1	1.33	1.29	0.32
10,307.0	89.60	87.50	8,080.9	46.7	2,440.7	2,441.1	1.98	0.63	1.88
10,339.0	88.30	87.80	8,081.5	48.0	2,472.7	2,473.1	4.17	-4.06	0.94
10,371.0	88.30	88.30	8,082.5	49.1	2,504.6	2,505.0	1.56	0.00	1.56
10,402.0	88.40	88.90	8,083.4	49.9	2,535.6	2,536.0	1.96	0.32	1.94
10,434.0	88.30	88.90	8,084.3	50.5	2,567.6	2,568.0	0.31	-0.31	0.00
10,465.0	88.50	88.70	8,085.1	51.1	2,598.6	2,599.0	0.91	0.65	-0.65
10,497.0	88.60	88.50	8,086.0	51.9	2,630.6	2,631.0	0.70	0.31	-0.63
10,528.0	88.70	87.80	8,086.7	52.9	2,661.5	2,662.0	2.28	0.32	-2.26
10,560.0	89.00	87.80	8,087.3	54.1	2,693.5	2,694.0	0.94	0.94	0.00
10,592.0	89.30	87.80	8,087.8	55.4	2,725.5	2,726.0	0.94	0.94	0.00
10,623.0	88.80	87.70	8,088.3	56.6	2,756.5	2,757.0	1.64	-1.61	-0.32
10,654.0	89.00	87.80	8,088.9	57.8	2,787.4	2,788.0	0.72	0.65	0.32
10,685.0	89.70	88.20	8,089.3	58.9	2,818.4	2,818.9	2.60	2.26	1.29
10,717.0	90.70	88.50	8,089.1	59.8	2,850.4	2,850.9	3.26	3.13	0.94
10,748.0	89.80	87.10	8,089.0	61.0	2,881.4	2,881.9	5.37	-2.90	-4.52
10,780.0	88.90	86.20	8,089.4	62.9	2,913.3	2,913.9	3.98	-2.81	-2.81
10,812.0	89.30	86.80	8,089.9	64.8	2,945.2	2,945.9	2.25	1.25	1.88
10,844.0	89.60	87.30	8,090.2	66.5	2,977.2	2,977.9	1.82	0.94	1.56

DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Bradley 30 Fed Com #3H
Project:	Eddy County, New Mexico	TVD Reference:	well @ 3475.0usft (Patterson UTI #45)
Site:	Sec 30 T18S R30E	MD Reference:	well @ 3475.0usft (Patterson UTI #45)
Well:	Bradley 30 Fed Com #3H	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)
10,875.0	90.00	87.50	8,090.3	67.9	3,008.2	3,008.9	1.44	1.29	-0.65
10,907.0	90.40	87.50	8,090.2	69.3	3,040.1	3,040.9	1.25	1.25	0.00
10,939.0	90.60	88.20	8,089.9	70.5	3,072.1	3,072.9	2.27	0.63	2.19
10,970.0	89.10	87.70	8,090.0	71.6	3,103.1	3,103.9	5.10	-4.84	-1.61
11,002.0	87.60	87.50	8,090.9	72.9	3,135.1	3,135.9	4.73	-4.69	-0.63
11,065.0	87.80	87.50	8,093.4	75.7	3,197.9	3,198.8	0.32	0.32	0.00
11,128.0	88.30	87.30	8,095.6	78.5	3,260.8	3,261.8	0.85	0.79	-0.32
11,191.0	89.20	87.70	8,097.0	81.3	3,323.8	3,324.7	1.56	1.43	0.63
11,254.0	88.80	88.20	8,098.1	83.5	3,386.7	3,387.7	1.02	-0.63	0.79
11,317.0	88.90	88.20	8,099.3	85.5	3,449.7	3,450.7	0.16	0.16	0.00
11,381.0	87.90	88.00	8,101.1	87.6	3,513.6	3,514.7	1.59	-1.56	-0.31
11,443.0	88.50	88.50	8,103.1	89.5	3,575.5	3,576.7	1.26	0.97	0.81
11,507.0	89.40	89.20	8,104.2	90.8	3,639.5	3,640.6	1.78	1.41	1.09
11,570.0	88.80	89.80	8,105.2	91.3	3,702.5	3,703.6	1.35	-0.95	0.95
11,634.0	89.20	90.10	8,106.3	91.4	3,766.5	3,767.6	0.78	0.63	0.47
11,697.0	89.00	90.30	8,107.3	91.2	3,829.5	3,830.5	0.45	-0.32	0.32
11,761.0	88.90	91.90	8,108.5	89.9	3,893.5	3,894.5	2.50	-0.16	2.50
11,792.0	89.80	93.40	8,108.8	88.5	3,924.4	3,925.4	5.64	2.90	4.84
11,824.0	89.30	92.00	8,109.1	87.0	3,956.4	3,957.3	4.65	-1.56	-4.38
11,856.0	87.80	90.50	8,109.9	86.3	3,988.4	3,989.2	6.63	-4.69	-4.69
11,887.0	87.60	89.60	8,111.1	86.3	4,019.4	4,020.2	2.97	-0.65	-2.90
11,950.0	87.80	88.90	8,113.7	87.1	4,082.3	4,083.1	1.15	0.32	-1.11
12,013.0	88.20	88.70	8,115.9	88.4	4,145.2	4,146.1	0.71	0.63	-0.32
12,077.0	90.50	89.20	8,116.6	89.6	4,209.2	4,210.1	3.68	3.59	0.78
12,140.0	91.30	88.70	8,115.6	90.7	4,272.2	4,273.1	1.50	1.27	-0.79
12,203.0	90.40	88.90	8,114.7	92.1	4,335.2	4,336.1	1.46	-1.43	0.32
12,266.0	90.70	89.20	8,114.1	93.1	4,398.2	4,399.1	0.67	0.48	0.48
12,329.0	90.80	89.10	8,113.2	94.0	4,461.2	4,462.0	0.22	0.16	-0.16
12,392.0	91.40	88.70	8,112.0	95.3	4,524.1	4,525.0	1.14	0.95	-0.63
12,455.0	89.30	87.70	8,111.7	97.2	4,587.1	4,588.0	3.69	-3.33	-1.59
12,518.0	88.10	87.30	8,113.1	100.0	4,650.0	4,651.0	2.01	-1.90	-0.63
12,549.0	88.00	86.60	8,114.1	101.6	4,681.0	4,682.0	2.28	-0.32	-2.26
TD @ 12599' MD / 8116' TVD									
12,599.0	88.00	86.60	8,115.9	104.6	4,730.8	4,731.9	0.00	0.00	0.00

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N-S (usft)	+E-W (usft)	
7,125.0	7,123.9	19.2	-32.3	TIE IN @ 7125' MD / 7124' TVD
8,025.4	7,957.5	20.1	182.4	CROSSED HARD LINE @ 8025' MD / 7958' TVD
12,599.0	8,115.9	104.6	4,730.8	TD @ 12599' MD / 8116' TVD

DDC
Survey Report

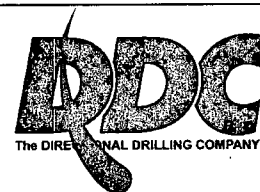


Company:	Mewbourne Oil Co.	Local Co-ordinate Reference:	Well: Bradley 30 Fed Com #3H
Project:	Eddy County New Mexico	TVD Reference:	well @ 3475.0usft (Patterson_UTI #45)
Site:	Sec 30 T18S R30E	MD Reference:	well @ 3475.0usft (Patterson_UTI #45)
Well:	Bradley 30 Fed Com #3H	North Reference:	Grid:
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Checked By: _____ Approved By: _____ Date: _____

Company Name: Mewbourne Oil Co
Bradley 30 Fed Com #3H
Eddy County, New Mexico
Rig: Patterson UTI #45
Created By: Dina Chance
Date: 11/6/2012

Bradley 30 Fed Com #3H
Eddy County, New Mexico
Q120011 & WT-12786
Design #3



Mewbourne Oil Company

ANNOTATIONS

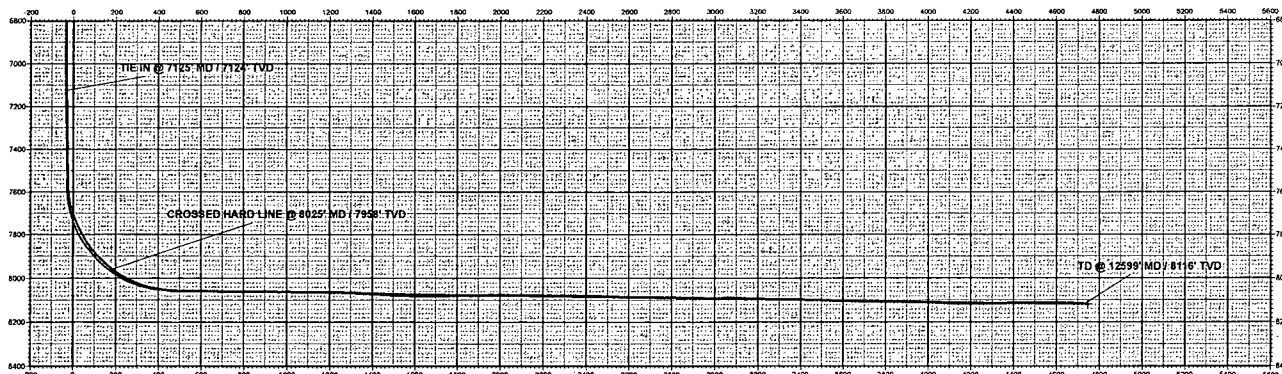
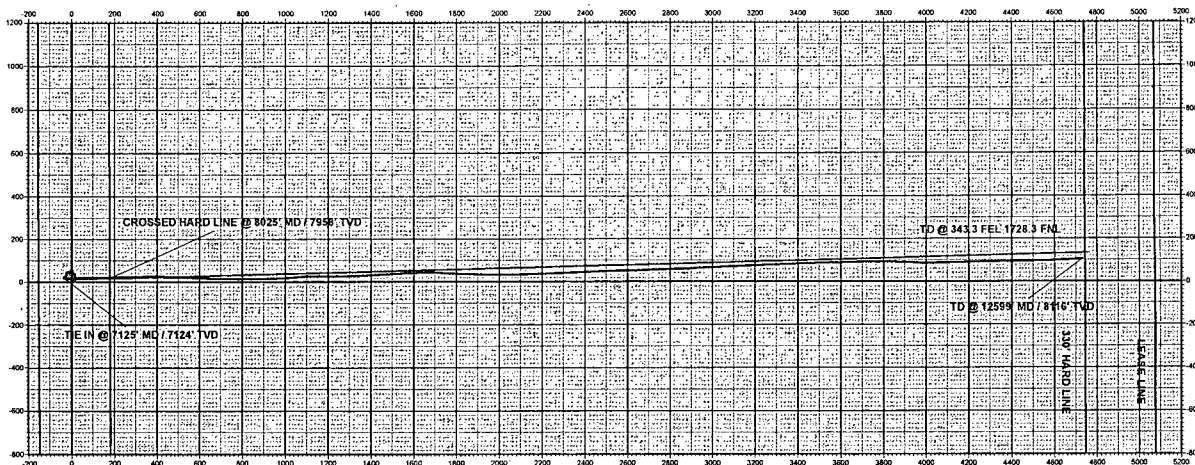
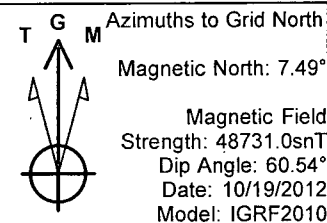
MD	Inc	Azi	TVD	+N-S	+E-W	V-Sect	Departure	Annotation
7135.0	0.76	134.67	7123.9	19.2	-32.3	-31.7	117.7	TIE IN @ 7125' MD / 7124' TVD
8025.4	63.70	86.69	7957.6	20.1	167.4	182.9	333.7	CROSSED HARD LINE @ 8025' MD / 7958' TVD
12599.0	88.00	86.60	8115.9	104.6	4730.8	4731.9	4685.0	TD @ 12599' MD / 8116' TVD

WELL DETAILS: Bradley 30 Fed Com #3H

+N-S	+E-W	Ground Level	3455.0
0.0	0.0	Northings	Eastings
626032.67	596767.15	Latitude	Longitude
32° 43' 14.396 N	104° 1' 7.287 W		

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 88.39° (200 usft/in)

Operating Company Mewbourne
 Well Name & Number Bradley 30 FED COM # 3H
 Sales Ticket Number 4707060
 Date 11/4/2012

Company Rep Lary Sutton
 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	P-110	6.276	6.151		0.03826	8,292.00	9,960	6,230	
Top Liner	4.500	13.50	338000	3.920	3.795	LT&C	0.01492	4,499.35	12,410	10,680	
Bott Liner											
TVD		8,115.87		KOP		7,537.00		Open Hole	6.125	Casing Vol. (bbl)	308.4
Carry Fluid Weight (ppg)			8.6		Propan Content (ppa)				Max Drill Out Size		0

	Comm. Number	Description	Depth	Length	OD	ID	Ball Seat ID	Shear Press	Max Rate (BPM)	Displ (BBL)
Liner Top	1	JR Setting Sleeve_RH Profile	8060.65							

Zone Length	JR Sleeve_S3 Hyd Set Packer		8060.65	8.63	5.813	3.875				
	4-1/2-13.5 LTC Nipple		8069.28	8.13	5.000	3.920				
20	7 Joints of 4-1/2-13.5 LTC Casing		8077.41	268.97	5.000	3.920				
	3 Joints of 4-1/2-13.5 LTC Casing		8350.28	113.52	5.000	3.920				
19	Baker Open Hole Packer		8463.80	3.89	5.820	3.875		2154		
	3 Joints of 4-1/2-13.5 LTC Casing		8467.69	115.73	5.000	3.920				
18	Baker Open Hole Packer		8583.42	3.89	5.820	3.875		2154		
	3 Joints of 4-1/2-13.5 LTC Casing		8587.32	115.88	5.000	3.920				
17	Baker Open Hole Packer		8703.20	3.89	5.820	3.875		2154		
	2 Joints of 4-1/2-13.5 LTC Casing		8707.09	77.52	5.000	3.920				
16	Baker Open Hole Packer		8784.61	3.89	5.820	3.875		2154		
	3 Joints of 4-1/2-13.5 LTC Casing		8788.51	114.93	5.000	3.920				
	Baker Open Hole Packer		8903.44	3.89	5.820	3.875		2154		
	2 Joints of 4-1/2-13.5 LTC Casing		8907.33	74.66	5.000	3.920				
	Baker Open Hole Packer		8984.95	3.89	5.820	3.875		2154		
	3 Joints of 4-1/2-13.5 LTC Casing		8985.89	114.51	5.000	3.920				
	Baker Open Hole Packer		9100.40	3.89	5.820	3.875		2154		
	3 Joints of 4-1/2-13.5 LTC Casing		9104.29	115.66	5.000	3.920				
	Baker Open Hole Packer		9219.95	3.89	5.820	3.875		2154		
	3 Joints of 4-1/2-13.5 LTC Casing		9223.85	116.27	5.000	3.920				
	Baker Open Hole Packer		9340.12	3.89	5.820	3.875		2154		

Operating Company Mewbourne
Well Name & Number Bradley 30 FED COM # 3H
Sales Ticket Number 4707060
Date 11/4/2012

Company Rep Lary Sutton
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	P-110	6.276	6.151		0.03826	8,292.00	9,960	6,230
Top Liner	4.500	13.50	338000	3.920	3.795	LT&C	0.01492	4,499.35	12,410	10,680
Bott Liner										
TVD	8,115.87		KOP	7,537.00		Open Hole	6.125	Casing Vol. (bbl)	308.4	
Carry Fluid Weight (ppg)	8.6		Propan 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		3 Joints of 4-1/2-13.5 LTC Casing	9344.01	115.72	5.000	3.920				
	15	3.000 Frac Sleeve	9450.73	3.90	5.750		2.900	2286	207	308
		3 Joint of 4-1/2-13.5 LTC Casing	9463.63	115.65	5.000	3.920				
14		Baker Open Hole Packer	9579.28	3.89	5.820	3.875		2154		
		3 Joints of 4-1/2-13.5 LTC Casing	9583.17	114.06	5.000	3.920				
	14	2.875 Frac Sleeve	9697.23	3.90	5.750		2.775	2286	190	308
13		3 Joints of 4-1/2-13.5 LTC Casing	9701.13	114.73	5.000	3.920				
		Baker Open Hole Packer	9815.86	3.89	5.820	3.875		2154		
		3 Joints of 4-1/2-13.5 LTC Casing	9819.75	113.60	5.000	3.920				
12		2.750 Frac Sleeve	9933.35	3.90	5.750		2.650	2286	173	308
		2 Joint of 4-1/2-13.5 LTC Casing	9937.25	77.24	5.000	3.920				
		Baker Open Hole Packer	10014.49	3.89	5.820	3.875		2154		
11		3 Joints of 4-1/2-13.5 LTC Casing	10018.38	115.18	5.000	3.920				
	12	2.625 Frac Sleeve	10133.56	3.90	5.750		2.525	2286	157	308
		3 Joints of 4-1/2-13.5 LTC Casing	10137.46	115.71	5.000	3.920				
10		Baker Open Hole Packer	10253.17	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	10257.06	76.59	5.000	3.920				
	11	2.500 EX Frac Sleeve	10333.66	3.90	5.750		2.400	2286	142	308
9		3 Joint of 4-1/2-13.5 LTC Casing	10337.55	115.17	5.000	3.920				
		Baker Open Hole Packer	10452.72	3.89	5.820	3.875		2154		
		3 Joints of 4-1/2-13.5 LTC Casing	10456.61	115.26	5.000	3.920				
10	10	2.375 EX Frac Sleeve	10571.33	3.90	5.750		2.275	2286	128	308
		3 Joints of 4-1/2-13.5 LTC Casing	10575.77	114.94	5.000	3.920				
		Baker Open Hole Packer	10690.71	3.89	5.820	3.875		2154		
9		2 Joint of 4-1/2-13.5 LTC Casing	10694.60	77.10	5.000	3.920				
	9	2.250 EX Frac Sleeve	10777.70	3.90	5.750		2.150	2286	114	308

Operating Company Mewbourne
 Well Name & Number Bradley 30 FED COM # 3H
 Sales Ticket Number 4707060
 Date 11/4/2012

Company Rep Lary Sutton
 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	P-110	6.276	6.151		0.03826	8,292.00	9,960	6,230
Top Liner	4.500	13.50	338000	3.920	3.795	LT&C	0.01492	4,499.35	12,410	10,680
Bott Liner										
TVD	8,115.87		KOP		7,537.00		Open Hole	6.125	Casing Vol. (bbl)	308.4
Carry Fluid Weight (ppg)	8.6		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)
8		3 Joints of 4-1/2-13.5 LTC Casing	10775.60	116.20	5.000	3.920				
		Baker Open Hole Packer	10891.80	3.89	5.820	3.875		2154		
		3 Joint of 4-1/2-13.5 LTC Casing	10895.69	114.58	5.000	3.920				
7		2-125 EX-Frac Sleeve	11010.27	3.90	5.750		2.025	2286	101	308
		3 Joints of 4-1/2-13.5 LTC Casing	11014.17	113.99	5.000	3.920				
		Baker Open Hole Packer	11128.16	3.89	5.820	3.875		2154		
6		2 Joint of 4-1/2-13.5 LTC Casing	11132.05	77.38	5.000	3.920				
		2-090 EX-Frac Sleeve	11209.43	3.90	5.750		1.900	2286	89	308
		3 Joints of 4-1/2-13.5 LTC Casing	11213.33	115.94	5.000	3.920				
5		Baker Open Hole Packer	11329.27	3.89	5.820	3.875		2154		
		3 Joint of 4-1/2-13.5 LTC Casing	11333.16	114.85	5.000	3.920				
		1-875 EX-Frac Sleeve	11448.01	3.90	5.750		1.775	2286	78	308
4		3 Joints of 4-1/2-13.5 LTC Casing	11451.91	115.13	5.000	3.920				
		Baker Open Hole Packer	11567.04	3.89	5.820	3.875		2154		
		3 Joints of 4-1/2-13.5 LTC Casing	11570.93	115.85	5.000	3.920				
3		1-750 EX-Frac Sleeve	11686.73	3.90	5.750		1.650	2286	67	308
		3 Joint of 4-1/2-13.5 LTC Casing	11690.68	114.45	5.000	3.920				
		Baker Open Hole Packer	11805.13	3.89	5.820	3.875		2154		
2		3 Joints of 4-1/2-13.5 LTC Casing	11809.02	114.98	5.000	3.920				
		1-625 EX-Frac Sleeve	11924.00	3.90	5.750		1.525	2286	57	308
		2 Joints of 4-1/2-13.5 LTC Casing	11927.90	77.13	5.000	3.920				
1		Baker Open Hole Packer	12005.03	3.89	5.820	3.875		2154		
		3 Joints of 4-1/2-13.5 LTC Casing	12008.92	115.69	5.000	3.920				
		500 DBL Ball Frac Sleeve	12124.87	3.90	5.750		1.400	2286	48	308
0		3 Joint of 4-1/2-13.5 LTC Casing	12128.51	113.94	5.000	3.920				
		Baker Open Hole Packer	12242.45	3.89	5.820	3.875		2154		

Company Rep	Lary Sutton
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	P-110	6.276	6.151		0.03826	8,292.00	9,960	6,230
Top Liner	4.500	13.50	338000	3.920	3.795	LT&C	0.01492	4,499.35	12,410	10,680
Bott Liner										
TVD		8,115.87	KOP		7,537.00	Open Hole	6.125	Casing Vol. (bbl)		308.4
Carry Fluid Weight (ppg)			8.6	Propant Content (ppa)				Max Drill Out Size		0

[illegible]