

OPERATOR
WELL/LEASE
COUNTY

MEWBOURNE OIL COMPANY
BRADLEY 30 FED # 2H
EDDY

046-0078

STATE OF NEW MEXICO
DEVIATION REPORT

30-015-40167

205	0.67
381	2.07
675	1.88
950	1.10
1,204	0.65
1,374	0.51
1,760	0.88
2,173	0.99
2,427	0.36
2,680	0.11
2,934	0.66
3,188	0.50
3,441	0.69
3,695	0.45
3,885	0.25
4,139	0.81
4,391	1.11
4,645	0.96
4,898	0.93
5,151	0.72
5,377	1.05
5,568	1.10
5,821	1.67
6,042	1.63
6,169	2.19
6,296	2.44
6,423	2.76
6,582	4.50
6,645	4.00
6,740	4.23
6,990	2.18
7,116	0.94

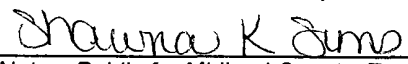
STATE OF TEXAS

COUNTY OF MIDLAND

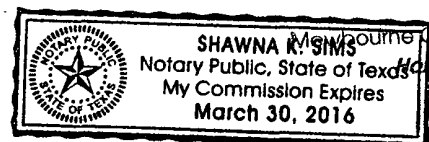
BY: 

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

6/15/12, by **Received**


Notary Public for Midland County, Texas
My Commission Expires:

JUN 18 2012



Mewbourne Oil Company
Habs

Company: Mewbourne Oil Company
Lease/Well: Bradley 30 Federal/No. 002H



Rig Name: Patterson 46
State/County: New Mexico/Eddy

Latitude: 32.71

GRID North is 0.18 Degrees East of True North

VS-Azi: 0.00 Degrees



Depth Reference : RKB= 20 Feet

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: bradley 30 fed 2h ha gyro_ed.ut

Minimum Curvature Method

Report Date/Time: 6/1/2012 / 10:10

Vaughn Energy Services

Midland, Texas

(432) 563-5444

Surveyor: Troy Hardin

Bradley 30 Federal No. 002 / API 30-015-40167

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	0.71	229.15	100.00	-0.41	-0.47	-0.41	0.62	229.15	0.71
200.00	0.67	217.69	199.99	-1.28	-1.30	-1.28	1.83	225.49	0.14
300.00	1.55	224.16	299.97	-2.71	-2.60	-2.71	3.76	223.80	0.88
400.00	2.34	238.94	399.91	-4.74	-5.29	-4.74	7.10	228.18	0.94
500.00	2.14	221.34	499.84	-7.19	-8.28	-7.19	10.97	229.01	0.71
600.00	1.46	230.36	599.79	-9.41	-10.50	-9.41	14.10	228.12	0.73
700.00	1.84	215.73	699.75	-11.52	-12.41	-11.52	16.94	227.13	0.56
800.00	1.88	216.30	799.69	-14.14	-14.32	-14.14	20.13	225.35	0.04
900.00	1.20	188.67	899.66	-16.50	-15.44	-16.50	22.60	223.12	0.99
1000.00	0.86	214.46	999.64	-18.14	-16.02	-18.14	24.21	221.45	0.57
1100.00	0.92	200.79	1099.63	-19.51	-16.73	-19.51	25.70	220.62	0.22
1200.00	1.14	194.89	1199.61	-21.23	-17.27	-21.23	27.37	219.14	0.25
1300.00	0.50	185.70	1299.60	-22.63	-17.57	-22.63	28.65	217.84	0.65
1400.00	0.68	237.39	1399.60	-23.38	-18.12	-23.38	29.58	217.77	0.54
1500.00	0.71	222.37	1499.59	-24.16	-19.03	-24.16	30.76	218.23	0.18
1600.00	0.42	300.23	1599.59	-24.44	-19.77	-24.44	31.43	218.97	0.75
1700.00	0.29	276.58	1699.59	-24.22	-20.33	-24.22	31.63	220.01	0.19
1800.00	0.82	356.42	1799.58	-23.48	-20.63	-23.48	31.25	221.31	0.82

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
1900.00	1.39	39.41	1899.56	-21.82	-19.90	-21.82	29.53	222.37	0.97
2000.00	1.60	12.79	1999.53	-19.52	-18.82	-19.52	27.11	223.96	0.72
2100.00	1.69	42.01	2099.49	-17.05	-17.52	-17.05	24.45	226.78	0.84
2200.00	1.21	53.59	2199.46	-15.33	-15.69	-15.33	21.94	225.66	0.56
2300.00	1.02	56.63	2299.44	-14.22	-14.10	-14.22	20.02	224.76	0.20
2400.00	0.74	86.07	2399.43	-13.69	-12.72	-13.69	18.68	222.90	0.52
2500.00	0.79	138.81	2499.42	-14.16	-11.62	-14.16	18.32	219.38	0.68
2600.00	0.72	210.41	2599.42	-15.22	-11.49	-15.22	19.07	217.05	0.89
2700.00	0.74	271.66	2699.41	-15.75	-12.46	-15.75	20.08	218.35	0.75
2800.00	0.53	319.64	2799.40	-15.38	-13.41	-15.38	20.40	221.08	0.55
2900.00	0.43	267.92	2899.40	-15.04	-14.08	-15.04	20.60	223.10	0.43
3000.00	1.01	288.39	2999.39	-14.78	-15.29	-14.78	21.26	225.98	0.63
3100.00	0.86	283.07	3099.38	-14.33	-16.86	-14.33	22.13	229.65	0.17
3200.00	0.82	303.65	3199.37	-13.76	-18.19	-13.76	22.81	232.90	0.30
3300.00	0.74	308.37	3299.36	-12.96	-19.29	-12.96	23.25	236.10	0.11
3400.00	0.61	272.42	3399.35	-12.54	-20.32	-12.54	23.88	238.32	0.43
3500.00	0.45	276.19	3499.35	-12.48	-21.24	-12.48	24.64	239.57	0.16
3600.00	0.18	281.48	3599.35	-12.41	-21.79	-12.41	25.07	240.34	0.27
3700.00	0.46	357.09	3699.34	-11.97	-21.96	-11.97	25.01	241.40	0.45
3800.00	0.46	288.76	3799.34	-11.44	-22.36	-11.44	25.12	242.90	0.52
3900.00	0.33	264.11	3899.34	-11.34	-23.02	-11.34	25.66	243.78	0.21
4000.00	0.71	278.07	3999.34	-11.28	-23.92	-11.28	26.45	244.75	0.40
4100.00	1.22	307.02	4099.32	-10.56	-25.38	-10.56	27.49	247.41	0.69
4200.00	1.82	322.45	4199.29	-8.66	-27.19	-8.66	28.54	252.34	0.72
4300.00	2.14	331.61	4299.23	-5.75	-29.05	-5.75	29.62	258.80	0.45
4400.00	2.08	321.32	4399.16	-2.70	-31.07	-2.70	31.19	265.04	0.38
4500.00	1.73	325.25	4499.10	-0.04	-33.06	-0.04	33.06	269.93	0.37
4600.00	1.42	313.89	4599.07	2.05	-34.81	2.05	34.87	273.38	0.44
4700.00	0.84	327.67	4699.05	3.53	-36.10	3.53	36.27	275.59	0.63
4800.00	1.35	316.07	4799.03	5.00	-37.31	5.00	37.64	277.64	0.55
4900.00	1.00	272.10	4899.01	5.88	-39.00	5.88	39.44	278.58	0.94
5000.00	1.65	272.55	4998.98	5.98	-41.31	5.98	41.74	278.24	0.64
5100.00	1.15	297.75	5098.95	6.51	-43.64	6.51	44.12	278.49	0.78
5200.00	1.03	310.58	5198.93	7.56	-45.21	7.56	45.84	279.50	0.27
5300.00	1.52	334.07	5298.91	9.34	-46.47	9.34	47.40	281.37	0.71
5400.00	1.27	10.23	5398.88	11.62	-46.86	11.62	48.28	283.93	0.90
5500.00	1.71	358.57	5498.85	14.20	-46.70	14.20	48.81	286.92	0.53
5600.00	1.57	329.52	5598.81	16.88	-47.43	16.88	50.34	289.59	0.83
5700.00	1.55	305.88	5698.77	18.85	-49.22	18.85	52.71	290.96	0.64

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
5800.00	2.32	293.03	5798.72	20.43	-52.18	20.43	56.04	291.39	0.88
5900.00	2.02	283.57	5898.64	21.64	-55.76	21.64	59.81	291.21	0.46
6000.00	2.23	288.90	5998.58	22.69	-59.32	22.69	63.51	290.93	0.29
6100.00	1.78	304.62	6098.51	24.20	-62.44	24.20	66.96	291.18	0.71
6200.00	2.82	298.97	6198.43	26.27	-65.87	26.27	70.92	291.75	1.07
6300.00	2.90	291.45	6298.31	28.39	-70.38	28.39	75.89	291.97	0.38
6400.00	2.89	302.78	6398.18	30.68	-74.85	30.68	80.89	292.29	0.57
6500.00	3.84	298.51	6498.01	33.64	-79.91	33.64	86.71	292.83	0.98
6600.00	5.23	270.05	6597.70	35.25	-87.42	35.25	94.26	291.96	2.60
6700.00	4.11	273.03	6697.37	35.44	-95.55	35.44	101.91	290.35	1.14
6800.00	4.22	279.40	6797.11	36.23	-102.77	36.23	108.97	289.42	0.48
6900.00	2.98	279.39	6896.91	37.26	-108.96	37.26	115.16	288.88	1.24
7000.00	2.30	280.66	6996.80	38.05	-113.49	38.05	119.70	288.53	0.68
7100.00	1.91	301.48	7096.74	39.29	-116.89	39.29	123.31	288.58	0.85
7200.00	1.38	305.36	7196.69	40.86	-119.29	40.86	126.10	288.91	0.54
7300.00	1.14	304.09	7296.67	42.12	-121.10	42.12	128.21	289.18	0.25
7400.00	0.88	305.64	7396.65	43.12	-122.54	43.12	129.90	289.39	0.26
7500.00	1.65	299.25	7496.63	44.27	-124.42	44.27	132.06	289.59	0.78
7565.00	1.53	286.94	7561.60	44.98	-126.06	44.98	133.85	289.64	0.55

Mewbourne Oil Co

Eddy County, New Mexico

Sec 30, T18S, R30E

Bradley 30 Federal #2H

Wellbore #1

Survey: MWD

DDC Survey Report

13 June, 2012



DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Bradley 30 Federal Com #2H
Project:	Eddy County, New Mexico	TVD Reference:	WELL @ 3463.0usft (Patterson-UTI 46)
Site:	Sec 30, T18S, R30E	MD Reference:	WELL @ 3463.0usft (Patterson-UTI 46)
Well:	Bradley 30 Federal 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:	Sec 30, T18S, R30E
Site Position:	Northing: 622,986.86 usft Latitude: 32° 42' 44.110 N
From: Lat/Long	Easting: 601,612.61 usft Longitude: 104° 0' 10.680 W
Position Uncertainty: 0.0 usft	Slot Radius: 13-3/16 " Grid Convergence: 0.18 °

Well:	Bradley 30 Federal Com #2H
Well Position	+N/-S 0.0 usft Northing: 622,986.86 usft Latitude: 32° 42' 44.110 N
	+E/-W 0.0 usft Easting: 601,612.61 usft Longitude: 104° 0' 10.680 W
Position Uncertainty	0.0 usft Wellhead Elevation: usft Ground Level: 3,445.0 usft

Wellbore:	Wellbore #1
Magnetics	Model Name Sample Date Declination Dip Angle Field Strength
	IGRF2010 1/3/2012 7 75 60 55 48,807

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

Vertical Section	Depth From (TVD) +N/-S +E/-W Direction
	(usft) (usft) (usft) (°)
	0.0 0.0 0.0 269.91

Survey Program	Date 6/13/2012
From To	Survey (Wellbore) Tool Name Description
(usft) (usft)	
100.0 7,565.0	Gyro (Wellbore #1) Good_gyro Good Gyro
7,700.0 12,503.0	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 @ 7565' MD / 7562' TVD									
7,565.0	1.53	286.94	7,561.6	45.0	-126.1	126.0	0.00	0.00	0.00
7,700.0	2.00	264.40	7,696.5	45.3	-130.1	130.1	0.61	0.35	-16.70
7,732.0	1.70	258.10	7,728.5	45.1	-131.1	131.1	1.13	-0.94	-19.69
7,764.0	4.10	269.60	7,760.5	45.0	-132.8	132.7	7.68	7.50	35.94
7,796.0	8.40	273.20	7,792.3	45.1	-136.2	136.2	13.49	13.44	11.25
7,827.0	12.90	274.40	7,822.7	45.5	-141.9	141.9	14.53	14.52	3.87
7,859.0	17.00	272.00	7,853.7	46.0	-150.2	150.1	12.96	12.81	-7.50
7,890.0	20.40	269.40	7,883.0	46.1	-160.1	160.0	11.29	10.97	-8.39
7,922.0	24.10	268.20	7,912.6	45.8	-172.2	172.2	11.65	11.56	-3.75

DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Bradley 30 Federal Com #2H
Project:	Eddy County, New Mexico	TVD Reference:	WELL @ 3463 0usft (Patterson-UTI 46)
Site:	Sec 30, T18S, R30E	MD Reference:	WELL @ 3463.0usft (Patterson-UTI 46)
Well:	Bradley 30 Federal 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)
7,953.0	27.80	268.40	7,940.5	45.4	-185.8	185.7	11.94	11.94	0.65
7,985.0	31.10	269.80	7,968.4	45.2	-201.5	201.4	10.53	10.31	4.38
8,017.0	34.70	269.60	7,995.2	45.1	-218.9	218.8	11.26	11.25	-0.63
8,049.0	39.00	268.60	8,020.8	44.8	-238.1	238.0	13.57	13.44	-3.13
8,080.0	43.30	268.00	8,044.2	44.2	-258.5	258.4	13.93	13.87	-1.94
8,112.0	46.50	268.80	8,066.8	43.5	-281.0	281.0	10.15	10.00	2.50
8,144.0	49.50	269.80	8,088.2	43.2	-304.8	304.7	9.66	9.38	3.13
8,175.0	53.40	269.80	8,107.5	43.2	-329.1	329.0	12.58	12.58	0.00
8,207.0	58.00	269.00	8,125.6	42.9	-355.5	355.4	14.52	14.38	-2.50
8,239.0	61.20	268.70	8,141.8	42.3	-383.1	383.0	10.03	10.00	-0.94
8,271.0	64.60	269.40	8,156.3	41.9	-411.6	411.5	10.80	10.63	2.19
8,302.0	68.40	269.90	8,168.7	41.7	-440.0	439.9	12.35	12.26	1.61
8,334.0	71.50	270.10	8,179.7	41.7	-470.0	470.0	9.71	9.69	0.63
8,366.0	74.20	270.00	8,189.1	41.7	-500.6	500.5	8.44	8.44	-0.31
8,397.0	77.10	269.80	8,196.8	41.7	-530.6	530.6	9.38	9.35	-0.65
8,424.0	79.70	269.80	8,202.2	41.6	-557.1	557.0	9.63	9.63	0.00
8,513.0	84.90	268.00	8,214.1	39.9	-645.2	645.2	6.18	5.84	-2.02
8,544.0	84.50	268.00	8,217.0	38.8	-676.1	676.0	1.29	-1.29	0.00
8,576.0	85.00	268.00	8,219.9	37.7	-707.9	707.9	1.56	1.56	0.00
8,608.0	86.50	268.40	8,222.3	36.7	-739.8	739.8	4.85	4.69	1.25
8,640.0	88.20	268.50	8,223.8	35.8	-771.8	771.7	5.32	5.31	0.31
8,671.0	90.40	269.50	8,224.2	35.3	-802.8	802.7	7.80	7.10	3.23
8,702.0	91.50	269.30	8,223.6	34.9	-833.8	833.7	3.61	3.55	-0.65
8,734.0	91.50	269.50	8,222.8	34.6	-865.7	865.7	0.62	0.00	0.63
8,766.0	91.20	269.40	8,222.1	34.3	-897.7	897.7	0.99	-0.94	-0.31
8,798.0	90.70	269.30	8,221.5	33.9	-929.7	929.7	1.59	-1.56	-0.31
8,830.0	90.50	270.00	8,221.2	33.7	-961.7	961.7	2.27	-0.63	2.19
8,862.0	91.60	270.00	8,220.6	33.7	-993.7	993.7	3.44	3.44	0.00
8,926.0	91.30	269.20	8,219.0	33.3	-1,057.7	1,057.6	1.33	-0.47	-1.25
8,989.0	90.90	268.80	8,217.8	32.2	-1,120.7	1,120.6	0.90	-0.63	-0.53
9,053.0	90.60	267.80	8,216.9	30.3	-1,184.6	1,184.6	1.63	-0.47	-1.56
9,116.0	91.40	268.70	8,215.8	28.4	-1,247.6	1,247.6	1.91	1.27	1.43
9,180.0	91.00	268.10	8,214.5	26.6	-1,311.6	1,311.5	1.13	-0.63	-0.94
9,243.0	91.00	268.30	8,213.4	24.6	-1,374.5	1,374.5	0.32	0.00	0.32
9,307.0	90.90	268.60	8,212.3	22.9	-1,438.5	1,438.4	0.49	-0.16	0.47
9,370.0	90.20	268.30	8,211.7	21.2	-1,501.5	1,501.4	1.21	-1.11	-0.48
9,434.0	91.20	268.60	8,210.9	19.4	-1,565.4	1,565.4	1.63	1.56	0.47
9,498.0	91.90	269.80	8,209.2	18.5	-1,629.4	1,629.4	2.17	1.09	1.88
9,562.0	91.60	269.80	8,207.3	18.3	-1,693.4	1,693.3	0.47	-0.47	0.00
9,625.0	91.20	269.60	8,205.7	18.0	-1,756.3	1,756.3	0.71	-0.63	-0.32
9,688.0	91.00	269.40	8,204.5	17.4	-1,819.3	1,819.3	0.45	-0.32	-0.32
9,752.0	90.30	268.20	8,203.8	16.1	-1,883.3	1,883.3	2.17	-1.09	-1.88
9,815.0	91.80	268.60	8,202.6	14.3	-1,946.3	1,946.3	2.46	2.38	0.63

DDC Survey Report



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Site:	Sec 30, T18S, R30E	MD Reference:	WELL @ 3463.0usft (Patterson-UT1 46)
Well:	Bradley 30 Federal 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)
9,879.0	91.60	269.80	8,200.7	13.4	-2,010.2	2,010.2	1.90	-0.31	1.88
9,943.0	91.50	270.10	8,199.0	13.4	-2,074.2	2,074.2	0.49	-0.16	0.47
10,006.0	91.60	269.70	8,197.3	13.3	-2,137.2	2,137.2	0.65	0.16	-0.63
10,070.0	91.60	269.20	8,195.5	12.7	-2,201.2	2,201.1	0.78	0.00	-0.78
10,134.0	90.70	270.10	8,194.2	12.3	-2,265.2	2,265.1	1.99	-1.41	1.41
10,197.0	90.30	269.60	8,193.7	12.1	-2,328.1	2,328.1	1.02	-0.63	-0.79
10,260.0	90.20	269.60	8,193.4	11.7	-2,391.1	2,391.1	0.16	-0.16	0.00
10,324.0	90.00	269.90	8,193.3	11.4	-2,455.1	2,455.1	0.56	-0.31	0.47
10,388.0	89.20	269.00	8,193.7	10.8	-2,519.1	2,519.1	1.88	-1.25	-1.41
10,451.0	90.30	269.00	8,194.0	9.7	-2,582.1	2,582.1	1.75	1.75	0.00
10,515.0	92.20	270.10	8,192.6	9.2	-2,646.1	2,646.1	3.43	2.97	1.72
10,578.0	92.30	270.60	8,190.1	9.6	-2,709.1	2,709.0	0.81	0.16	0.79
10,642.0	92.70	271.00	8,187.4	10.5	-2,773.0	2,773.0	0.88	0.63	0.63
10,706.0	91.40	268.90	8,185.1	10.4	-2,836.9	2,836.9	3.86	-2.03	-3.28
10,770.0	89.80	266.80	8,184.4	8.0	-2,900.9	2,900.9	4.12	-2.50	-3.28
10,802.0	88.60	265.60	8,184.8	5.9	-2,932.8	2,932.8	5.30	-3.75	-3.75
10,833.0	89.90	266.50	8,185.2	3.7	-2,963.7	2,963.7	5.10	4.19	2.90
10,865.0	90.80	267.50	8,185.0	2.1	-2,995.7	2,995.7	4.20	2.81	3.13
10,896.0	90.90	267.30	8,184.6	0.7	-3,026.7	3,026.7	0.72	0.32	-0.65
10,928.0	90.90	268.70	8,184.1	-0.5	-3,058.6	3,058.6	4.37	0.00	4.38
10,960.0	91.50	269.40	8,183.4	-1.0	-3,090.6	3,090.6	2.88	1.88	2.19
11,023.0	91.50	271.80	8,181.8	-0.3	-3,153.6	3,153.6	3.81	0.00	3.81
11,087.0	90.30	271.50	8,180.8	1.5	-3,217.6	3,217.5	1.93	-1.88	-0.47
11,150.0	91.20	270.80	8,179.9	2.8	-3,280.5	3,280.5	1.81	1.43	-1.11
11,213.0	90.80	269.90	8,178.8	3.2	-3,343.5	3,343.5	1.56	-0.63	-1.43
11,275.0	91.70	270.20	8,177.5	3.2	-3,405.5	3,405.5	1.53	1.45	0.48
11,339.0	92.70	270.10	8,175.0	3.4	-3,469.5	3,469.5	1.57	1.56	-0.16
11,402.0	92.70	269.70	8,172.1	3.3	-3,532.4	3,532.4	0.63	0.00	-0.63
11,465.0	92.00	270.60	8,169.5	3.4	-3,595.3	3,595.3	1.81	-1.11	1.43
11,497.0	91.90	271.20	8,168.4	3.9	-3,627.3	3,627.3	1.90	-0.31	1.88
11,529.0	91.30	271.30	8,167.5	4.6	-3,659.3	3,659.3	1.90	-1.88	0.31
11,561.0	90.60	271.00	8,167.0	5.3	-3,691.3	3,691.3	2.38	-2.19	-0.94
11,625.0	89.10	271.30	8,167.1	6.6	-3,755.3	3,755.3	2.39	-2.34	0.47
11,688.0	88.40	271.10	8,168.5	7.9	-3,818.2	3,818.2	1.16	-1.11	-0.32
11,752.0	89.80	270.70	8,169.5	8.9	-3,882.2	3,882.2	2.28	2.19	-0.63
11,816.0	90.90	271.60	8,169.1	10.2	-3,946.2	3,946.2	2.22	1.72	1.41
11,879.0	91.30	271.40	8,167.9	11.8	-4,009.2	4,009.1	0.71	0.63	-0.32
11,942.0	91.30	271.00	8,166.5	13.1	-4,072.1	4,072.1	0.63	0.00	-0.63
12,006.0	90.60	269.70	8,165.4	13.5	-4,136.1	4,136.1	2.31	-1.09	-2.03
12,070.0	91.30	270.00	8,164.4	13.4	-4,200.1	4,200.1	1.19	1.09	0.47
12,133.0	91.50	270.70	8,162.8	13.8	-4,263.1	4,263.1	1.16	0.32	1.11
12,197.0	92.00	269.70	8,160.9	14.0	-4,327.1	4,327.0	1.75	0.78	-1.56
12,229.0	92.80	270.10	8,159.5	13.9	-4,359.0	4,359.0	2.79	2.50	1.25

DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Bradley 30 Federal Com #2H
Project:	Eddy County, New Mexico	TVD Reference:	WELL @ 3463.0usft (Patterson-UT1 46)
Site:	Sec 30, T18S, R30E	MD Reference:	WELL @ 3463.0usft (Patterson-UT1 46)
Well:	Bradley 30 Federal 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)
12,261.0	92.10	269.90	8,158.2	13.9	-4,391.0	4,391.0	2.27	-2.19	-0.63
12,324.0	90.30	269.60	8,156.8	13.6	-4,454.0	4,454.0	2.90	-2.86	-0.48
12,388.0	90.40	269.50	8,156.4	13.1	-4,518.0	4,518.0	0.22	0.16	-0.16
12,451.0	90.10	268.70	8,156.2	12.2	-4,581.0	4,581.0	1.36	-0.48	-1.27
TD @ 12503' MD / 8156' TVD									
12,503.0	90.10	268.70	8,156.1	11.0	-4,633.0	4,632.9	0.00	0.00	0.00

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
7,565.0	7,561.6	45.0	-126.1	TIE IN @ 7565' MD / 7562' TVD
12,503.0	8,156.1	11.0	-4,633.0	TD @ 12503' MD / 8156' TVD

Checked By: _____	Approved By: _____	Date: _____
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