

MEWBOURNE OIL

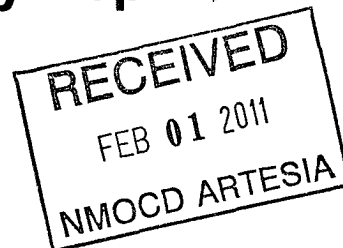
Scanlon Draw
Eddy County, NM
Parkway "16" State Com #2H
VH - Job #32K1110843

30-015-38109

Survey: Actual

SDI Standard Survey Report

10 November, 2010



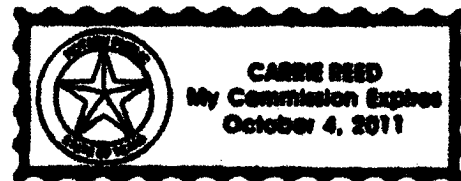
This survey is correct to the best of my knowledge and is supported by actual field data.

Liberty

Notorized this date 11th of November, 2010.

Carrie Reed

Notary Signature
County of Midland
State of Texas



Scientific Drilling International, Inc.

SDI Standard Survey Report

Company:	MEWBOURNE OIL	Local Co-ordinate Reference:	Well Parkway "16" State Com #2H
Project:	Scanlon Draw	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	Parkway "16" State Com #2H	North Reference:	Grid
Wellbore:	VH - Job #32K1110843	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K1110843	Database:	EDM-Regulatory

Project	Scanlon Draw		
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	Eddy County, NM		
Site Position:		Northing:	600,967.56 usft
From:	Lat/Long	Easting:	561,966.65 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"
		Latitude:	32° 39' 7.200 N
		Longitude:	104° 7' 55.200 W
		Grid Convergence:	0.11 °

Well	Parkway "16" State Com #2H, Directional (Baker Inteq)		
Well Position	+N/-S	0.0 usft	Northing: 601,331.44 usft
	+E/-W	0.0 usft	Easting: 575,901.56 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 39' 10.510 N
		Longitude:	104° 5' 12.200 W
		Ground Level:	0.0 usft

Wellbore	VH - Job #32K1110843		
Magnetics	Model Name	Sample Date	Declination
			(°)
	BGGM2010	11/1/2010	7.99
			Dip Angle
			(°)
			60.52
			Field Strength
			(nT)
			48,939

Design	VH - Job #32K1110843		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			359.81

Survey Program	Date 11/10/2010		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
100.0	7,065.0	Actual (VH - Job #32K1110843)	Keeper
			Description
			Keeper Gyro

Survey								
Measured Depth	Inclination	Azimuth	True Vertical	North/South	East/West	Closure Azimuth	Closure Distance	
(usft)	(°)	(°)	Depth	(usft)	(usft)	(°)	(usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0	
100.0	0.25	70.73	100.0	0.1	0.2	70.73	0.2	
200.0	0.37	351.52	200.0	0.5	0.4	38.17	0.6	
300.0	0.33	320.74	300.0	1.0	0.1	7.61	1.0	
400.0	0.29	313.97	400.0	1.4	-0.2	350.70	1.4	
500.0	0.57	302.24	500.0	1.8	-0.8	335.71	2.0	
600.0	0.63	331.75	600.0	2.6	-1.5	329.74	3.0	
700.0	1.03	5.88	700.0	4.0	-1.7	337.06	4.3	
800.0	1.76	35.88	799.9	6.1	-0.7	353.56	6.2	
900.0	2.34	45.47	899.9	8.8	1.7	10.73	8.9	
1,000.0	2.19	46.35	999.8	11.5	4.5	21.32	12.4	
1,100.0	2.04	38.45	1,099.7	14.3	7.0	26.14	15.9	

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Well:	Parkway "16" State Com #2H	North Reference:	Grid
Wellbore:	VH - Job #32K1110843	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K1110843	Database:	EDM-Regulatory

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
1,200.0	1.59	31.82	1,199.7	16.8	8.8	27.70	19.0
1,300.0	1.11	14.44	1,299.7	18.9	9.8	27.37	21.3
1,400.0	1.13	12.91	1,399.6	20.8	10.3	26.23	23.2
1,500.0	1.35	10.24	1,499.6	23.0	10.7	24.98	25.3
1,600.0	1.34	7.61	1,599.6	25.3	11.1	23.63	27.6
1,700.0	1.22	27.11	1,699.6	27.4	11.7	23.13	29.8
1,800.0	0.95	21.25	1,799.5	29.1	12.5	23.22	31.7
1,900.0	0.85	18.45	1,899.5	30.6	13.0	23.06	33.2
2,000.0	0.69	25.73	1,999.5	31.8	13.5	23.01	34.6
2,100.0	0.66	31.99	2,099.5	32.9	14.1	23.20	35.7
2,200.0	0.41	44.87	2,199.5	33.6	14.6	23.54	36.7
2,300.0	0.58	20.26	2,299.5	34.3	15.1	23.70	37.5
2,400.0	0.55	7.15	2,399.5	35.3	15.3	23.45	38.5
2,500.0	0.52	346.98	2,499.5	36.2	15.3	22.86	39.3
2,600.0	0.57	336.00	2,599.5	37.1	15.0	21.96	40.0
2,700.0	0.59	327.46	2,699.5	38.0	14.5	20.86	40.6
2,800.0	0.86	295.64	2,799.5	38.7	13.5	19.24	41.0
2,900.0	0.90	285.48	2,899.5	39.3	12.1	17.11	41.1
3,000.0	1.02	302.00	2,999.5	40.0	10.6	14.83	41.3
3,100.0	1.20	290.23	3,099.4	40.8	8.8	12.23	41.7
3,200.0	1.15	290.48	3,199.4	41.5	6.9	9.46	42.1
3,300.0	1.20	283.99	3,299.4	42.1	5.0	6.72	42.4
3,400.0	0.67	299.61	3,399.4	42.7	3.4	4.61	42.8
3,500.0	0.87	315.90	3,499.4	43.5	2.4	3.16	43.6
3,600.0	0.83	319.13	3,599.4	44.6	1.4	1.80	44.6
3,700.0	0.90	347.07	3,699.4	45.9	0.7	0.94	45.9
3,800.0	1.06	343.99	3,799.3	47.5	0.3	0.38	47.5
3,900.0	1.19	344.45	3,899.3	49.4	-0.2	359.75	49.4
4,000.0	1.38	339.08	3,999.3	51.6	-0.9	358.97	51.6
4,100.0	1.35	340.30	4,099.3	53.8	-1.8	358.14	53.8
4,200.0	1.73	333.52	4,199.2	56.3	-2.8	357.13	56.3
4,300.0	1.81	333.89	4,299.2	59.0	-4.2	355.94	59.2
4,400.0	1.86	331.33	4,399.1	61.9	-5.7	354.77	62.1
4,500.0	1.89	327.64	4,499.1	64.7	-7.3	353.54	65.1
4,600.0	1.75	319.16	4,599.0	67.2	-9.2	352.20	67.9
4,700.0	1.65	302.57	4,699.0	69.2	-11.4	350.63	70.1
4,800.0	1.66	294.16	4,798.9	70.5	-14.0	348.81	71.9
4,900.0	1.68	302.38	4,898.9	71.9	-16.5	347.07	73.8
5,000.0	1.53	297.43	4,998.9	73.3	-18.9	345.52	75.7
5,100.0	0.84	291.21	5,098.8	74.2	-20.8	344.34	77.0
5,200.0	0.68	241.66	5,198.8	74.2	-22.0	343.47	77.4
5,300.0	0.71	146.99	5,298.8	73.4	-22.2	343.17	76.7
5,400.0	1.47	129.98	5,398.8	72.0	-20.9	343.84	75.0
5,500.0	2.39	115.48	5,498.8	70.3	-18.0	345.63	72.6

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Well:	Parkway "16" State Com #2H	North Reference:	Grid
Wellbore:	VH - Job #32K1110843	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K1110843	Database:	EDM-Regulatory

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
5,600.0	2.88	111.67	5,598.6	68.5	-13.8	348.61	69.9
5,700.0	5.07	112.70	5,698.4	65.8	-7.4	353.61	66.3
5,800.0	3.78	108.00	5,798.1	63.1	-0.2	359.85	63.1
5,900.0	3.40	112.18	5,897.9	61.0	5.7	5.35	61.3
6,000.0	2.83	115.98	5,997.8	58.8	10.7	10.30	59.7
6,100.0	2.10	125.13	6,097.7	56.6	14.4	14.26	58.4
6,200.0	1.49	132.15	6,197.6	54.7	16.9	17.12	57.3
6,300.0	1.33	160.42	6,297.6	52.8	18.2	19.05	55.8
6,400.0	1.49	191.57	6,397.6	50.4	18.3	20.00	53.6
6,500.0	1.90	197.22	6,497.5	47.5	17.6	20.31	50.7
6,600.0	2.03	202.31	6,597.5	44.3	16.4	20.34	47.3
6,700.0	1.42	196.14	6,697.4	41.5	15.4	20.38	44.2
6,800.0	1.65	190.49	6,797.4	38.9	14.8	20.85	41.6
6,900.0	1.45	186.52	6,897.3	36.2	14.4	21.69	39.0
7,000.0	1.32	207.89	6,997.3	33.9	13.7	22.01	36.6
7,065.0	0.73	248.57	7,062.3	33.1	13.0	21.40	35.6

Checked By: _____ Approved By: _____ Date: _____



Scientific Drilling
Directional Drilling Operations

Project: Scanlon Draw
Eddy County, NM
Well: Parkway "16" State Com #2H
Wellbore: VH - Job #32K1110843
Design: VH - Job #32K1110843



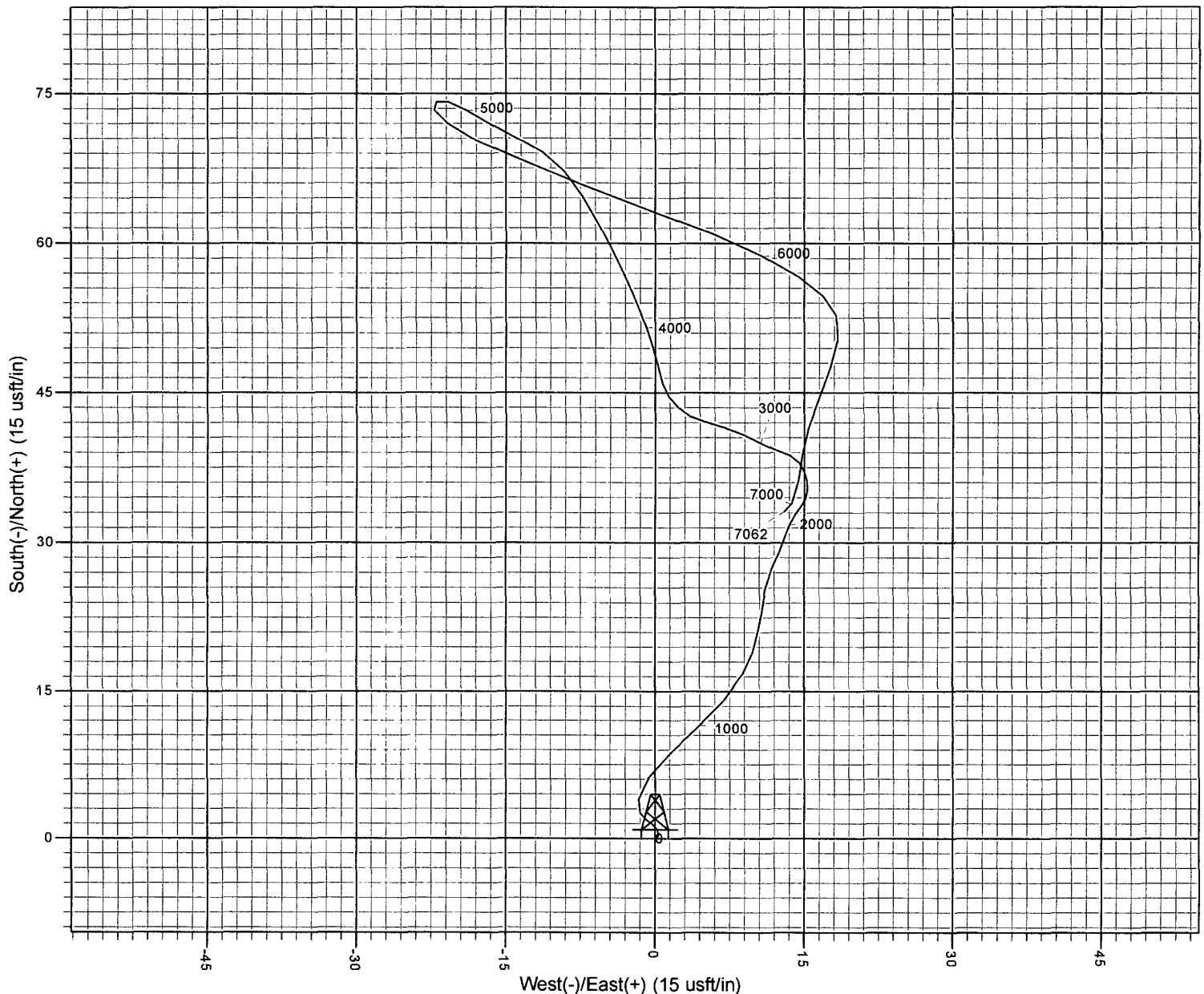
Azimuths to Grid North
True North: -0.13°
Magnetic North: 7.86°

Magnetic Field
Strength: 48939.2snT
Dip Angle: 60.52°
Date: 11/1/2010
Model: BGGM2010

WELL DETAILS: Parkway "16" State Com #2H
WELL @ 0.0usft (Original Well Elev)

Ground Level: 0.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	601331.44	575901.56	32° 39' 10.510 N	104° 5' 12.200 W	



PROJECT DETAILS: Scanlon Draw
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

SITE DETAILS: Eddy County, NM
Site Centre Latitude: 32° 39' 7.200 N
Longitude: 104° 7' 55.200 W
Positional Uncertainty: 0.0
Convergence: 0.11
Local North: Grid