

3D-015-37998

MEWBOURNE OIL

Scanlon Draw
Eddy County, NM
Parkchester 24 State #3H
VH - Job #32K0910712

Survey: Actual

SDI Standard Survey Report

27 September, 2010

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

Wharton

Notorized this date 13th of October, 2010.

Carrie Reed

Notary Signature
County of Midland
State of Texas



WR

Scientific Drilling International, Inc.
SDI Standard Survey Report

Company:	MEWBOURNE OIL	Local Co-ordinate Reference:	Well Parkchester 24 State #3H
Project:	Scanlon Draw	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	Parkchester 24 State #3H	North Reference:	Grid
Wellbore:	VH - Job #32K0910712	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0910712	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		

Well	Parkchester 24 State #3H, Directional (Bker Inteq)				
Well Position	+N/-S	0.0 usft	Northing:	600,967.56 usft	Latitude: 32° 39' 7.200 N
	+E/-W	0.0 usft	Easting:	561,966.65 usft	Longitude: 104° 7' 55.200 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level: 0.0 usft

Wellbore	VH - Job #32K0910712				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	9/23/2010	8.03	60.51	48,944

Design	VH - Job #32K0910712				
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	281.36	

Survey Program	Date	9/27/2010			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.0	6,846.0	Actual (VH - Job #32K0910712)	Keeper	Keeper Gyro	

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0
100.0	0.25	135.51	100.0	-0.2	0.2	135.51	0.2
200.0	0.66	54.51	200.0	0.0	0.8	88.29	0.8
300.0	0.66	83.03	300.0	0.4	1.8	76.75	1.9
400.0	0.97	53.01	400.0	1.0	3.1	71.81	3.2
500.0	1.38	58.98	500.0	2.1	4.8	65.88	5.2
600.0	1.58	59.95	599.9	3.4	7.0	63.77	7.8
700.0	1.64	57.83	699.9	4.9	9.4	62.47	10.6
800.0	1.47	51.76	799.8	6.5	11.6	60.95	13.3
900.0	1.06	48.84	899.8	7.9	13.3	59.47	15.5
1,000.0	0.54	34.66	999.8	8.9	14.3	58.21	16.8
1,100.0	0.31	21.13	1,099.8	9.5	14.7	57.06	17.5
1,200.0	0.21	302.54	1,199.8	9.8	14.6	56.00	17.6
1,300.0	0.28	304.56	1,299.8	10.1	14.2	54.70	17.4
1,400.0	0.26	286.91	1,399.8	10.3	13.8	53.34	17.2
1,500.0	0.26	303.89	1,499.8	10.5	13.4	52.01	17.0
1,600.0	0.48	304.76	1,599.8	10.8	12.9	49.91	16.8

Scientific Drilling International, Inc.
SDI Standard Survey Report

Company:	MEWBOURNE OIL	Local Co-ordinate Reference:	Well Parkchester 24 State #3H
Project:	Scanlon Draw	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	Parkchester 24 State #3H	North Reference:	Grid
Wellbore:	VH - Job #32K0910712	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0910712	Database:	EDM-Regulatory

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
1,700.0	0.33	320.86	1,699.8	11.3	12.4	47.54	16.8
1,800.0	0.38	304.48	1,799.8	11.7	11.9	45.45	16.7
1,900.0	0.49	285.79	1,899.8	12.0	11.2	43.02	16.4
2,000.0	0.40	280.96	1,999.8	12.2	10.5	40.61	16.1
2,100.0	0.43	289.24	2,099.8	12.4	9.8	38.24	15.8
2,200.0	0.33	298.71	2,199.8	12.7	9.2	35.90	15.6
2,300.0	0.32	306.62	2,299.8	13.0	8.7	33.82	15.6
2,400.0	0.27	323.17	2,399.8	13.3	8.3	31.99	15.7
2,500.0	0.29	311.42	2,499.8	13.7	8.0	30.29	15.8
2,600.0	0.26	321.88	2,599.8	14.0	7.7	28.65	16.0
2,700.0	0.28	294.99	2,699.8	14.3	7.3	27.03	16.1
2,800.0	0.45	337.60	2,799.8	14.8	6.9	25.12	16.3
2,900.0	0.85	359.38	2,899.8	15.9	6.8	23.09	17.3
3,000.0	0.76	355.93	2,999.8	17.3	6.7	21.23	18.5
3,100.0	0.73	352.93	3,099.8	18.6	6.6	19.53	19.7
3,200.0	0.80	349.94	3,199.7	19.9	6.4	17.80	20.9
3,300.0	1.50	315.85	3,299.7	21.5	5.4	13.97	22.2
3,400.0	1.74	311.02	3,399.7	23.5	3.3	8.00	23.7
3,500.0	1.85	310.80	3,499.6	25.5	0.9	2.09	25.5
3,600.0	1.70	312.73	3,599.6	27.6	-1.4	357.13	27.6
3,700.0	1.54	310.29	3,699.6	29.4	-3.5	353.22	29.6
3,800.0	1.58	307.03	3,799.5	31.1	-5.6	349.76	31.6
3,900.0	1.24	302.47	3,899.5	32.5	-7.6	346.80	33.4
4,000.0	1.12	289.83	3,999.5	33.5	-9.5	344.20	34.8
4,100.0	1.12	289.55	4,099.4	34.1	-11.3	341.66	35.9
4,200.0	1.00	279.66	4,199.4	34.6	-13.1	339.27	37.0
4,300.0	1.05	282.63	4,299.4	34.9	-14.8	336.98	38.0
4,400.0	1.00	286.04	4,399.4	35.4	-16.6	334.90	39.1
4,500.0	0.99	289.82	4,499.4	35.9	-18.2	333.09	40.3
4,600.0	0.67	283.96	4,599.4	36.3	-19.6	331.66	41.3
4,700.0	0.58	253.46	4,699.4	36.3	-20.7	330.38	41.8
4,800.0	0.98	230.84	4,799.4	35.7	-21.8	328.55	41.8
4,900.0	1.24	225.56	4,899.3	34.4	-23.2	325.92	41.5
5,000.0	1.63	221.51	4,999.3	32.5	-25.0	322.51	41.0
5,100.0	1.53	220.05	5,099.3	30.5	-26.8	318.69	40.5
5,200.0	1.56	219.63	5,199.2	28.4	-28.5	314.89	40.2
5,300.0	1.38	207.08	5,299.2	26.3	-29.9	311.29	39.8
5,400.0	1.37	182.94	5,399.2	24.0	-30.5	308.18	38.8
5,500.0	1.37	187.13	5,499.1	21.6	-30.7	305.13	37.6
5,600.0	1.18	250.42	5,599.1	20.1	-31.8	302.24	37.6
5,700.0	1.51	276.60	5,699.1	19.9	-34.1	300.24	39.5
5,800.0	2.04	276.07	5,799.0	20.2	-37.2	298.54	42.3
5,900.0	2.28	276.39	5,899.0	20.6	-40.9	296.75	45.9
6,000.0	2.61	281.26	5,998.9	21.3	-45.2	295.26	49.9

Scientific Drilling International, Inc.
SDI Standard Survey Report

Company:	MEWBOURNE OIL	Local Co-ordinate Reference:	Well Parkchester 24 State #3H
Project:	Scanlon Draw	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	Parkchester 24 State #3H	North Reference:	Grid
Wellbore:	VH - Job #32K0910712	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0910712	Database:	EDM-Regulatory

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
6,100.0	2.64	278.66	6,098.8	22.1	-49.7	293.99	54.4
6,200.0	2.29	265.18	6,198.7	22.3	-53.9	292.44	58.4
6,300.0	2.60	249.18	6,298.6	21.3	-58.0	290.15	61.8
6,400.0	2.75	250.21	6,398.5	19.7	-62.4	287.50	65.5
6,500.0	2.19	254.41	6,498.4	18.4	-66.5	285.43	69.0
6,600.0	1.79	258.25	6,598.3	17.5	-69.9	284.08	72.1
6,700.0	1.77	252.24	6,698.3	16.7	-72.9	282.93	74.8
6,800.0	2.35	262.24	6,798.2	16.0	-76.4	281.82	78.0
6,846.0	2.39	261.80	6,844.2	15.7	-78.3	281.36	79.8



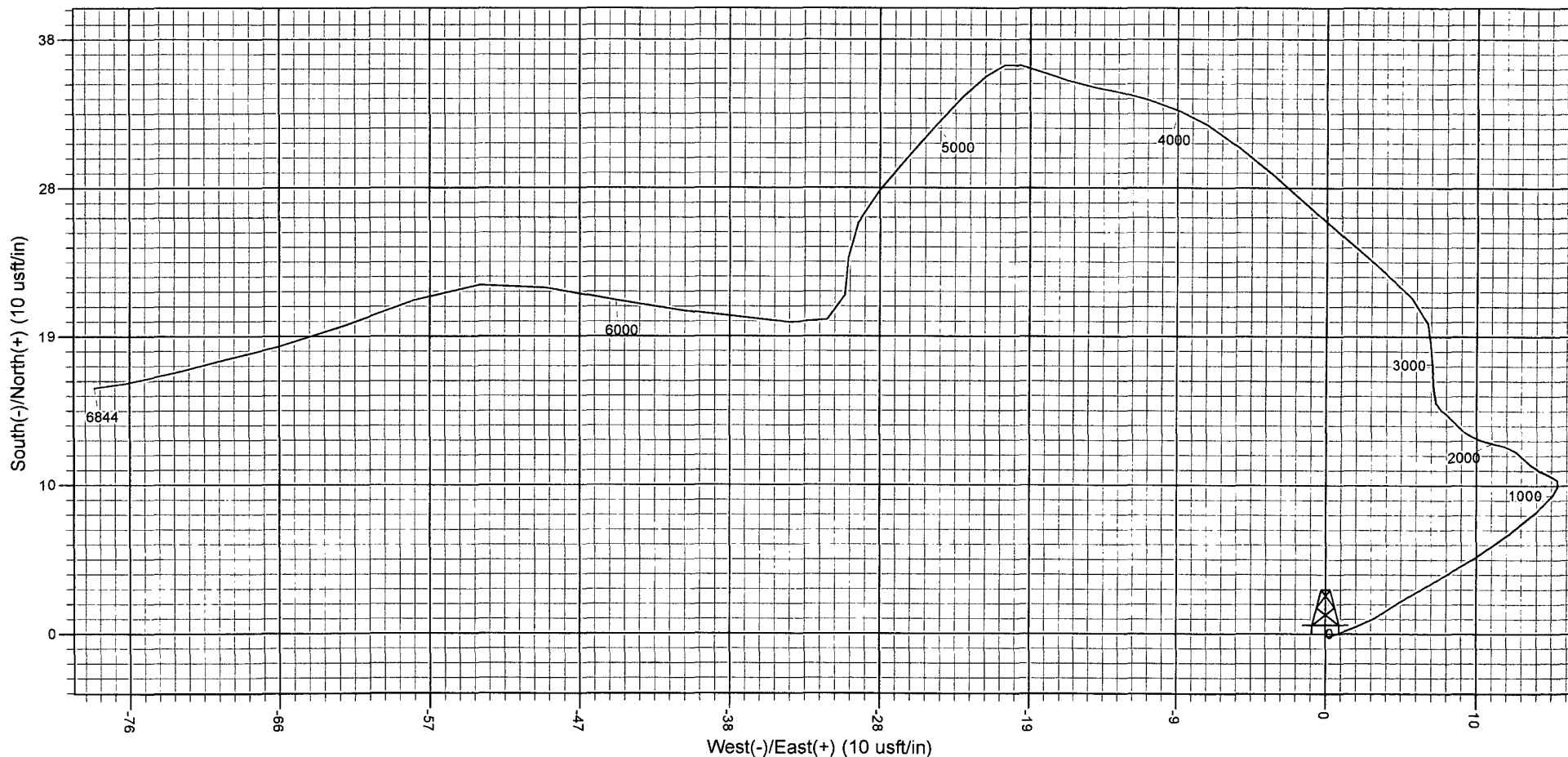
Project: Scanlon Draw
 Eddy County, NM
 Well: Parkchester 24 State #3H
 Wellbore: VH - Job #32K0910712
 Design: VH - Job #32K0910712



Azimuths to Grid North
 True North: -0.11°
 Magnetic North: 7.92°
 Magnetic Field
 Strength: 48944.3snT
 Dip Angle: 60.51°
 Date: 9/23/2010
 Model: BGGM2010

WELL DETAILS: Parkchester 24 State #3H
 WELL @ 0.0usft (Original Well Elev)
 Ground Level: 0.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	600967.56	561966.65	$32^\circ 39' 7.200\text{ N}$	$104^\circ 7' 55.200\text{ W}$	



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: $32^\circ 39' 7.200\text{ N}$
 Longitude: $104^\circ 7' 55.200\text{ W}$
 Positional Uncertainty: 0.0
 Convergence: 0.11
 Local North: Grid