

OPERATOR MEWBORNE OIL COMPANY
WELL/LEASE SKEEN 21 STATE COM 2H
COUNTY EDDY

STATE OF NEW MEXICO
DEVIATION REPORT

30-015-39773

269	0.50
656	0.88
1,117	1.00
1,562	0.19
1,817	1.61
1,977	1.11
2,130	1.55
2,450	0.57
2,780	0.97
3,195	0.35
3,577	0.94
3,959	0.45
4,372	1.70
4,626	0.87
4,681	1.37
5,136	1.21
5,454	2.11
5,708	1.50

Received

STATE OF TEXAS

APR 19 2012

COUNTY OF MIDLAND Mewbourne Oil Company
Hobbs

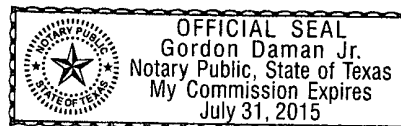
BY

Steve Moore

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

April 18th, 2012, by

Gordon Daman Jr.
Notary Public for Midland County, Texas
My Commission Expires: 7/31/15





Company: Mewbourne Oil Company

Lease/Well: Skeen -21- State Com/#2H

Location: S21 T26S R28E

Rig Name: Patterson 75

State/County: New Mexico/Eddy

Latitude: 32.03

GRID North is 0.13 Degrees East of True North

VS-Azi: 0.00 Degrees



RKB : 23

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: skeen21statecom#2h_ed.ut

Minimum Curvature Method

Report Date/Time: 2/6/2012 / 10:00

Vaughn Energy Services

Fort Worth, Texas

817-741-3610

Surveyor: Ray Seago

Skeen -21- State Com #2H / API# 30-015-39773

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	0.39	83.80	100.00	0.04	0.34	0.04	0.34	83.80	0.39
200.00	0.28	103.32	200.00	0.02	0.91	0.02	0.91	88.91	0.16
300.00	0.47	170.82	300.00	-0.45	1.21	-0.45	1.29	110.18	0.45
400.00	0.60	133.24	399.99	-1.21	1.66	-1.21	2.06	126.13	0.37
500.00	0.38	104.62	499.99	-1.66	2.36	-1.66	2.89	125.01	0.32
600.00	0.57	105.31	599.98	-1.87	3.16	-1.87	3.67	120.61	0.19
700.00	0.59	85.14	699.98	-1.96	4.15	-1.96	4.59	115.25	0.20
800.00	0.43	53.09	799.98	-1.69	4.96	-1.69	5.24	108.77	0.32
900.00	0.09	161.00	899.97	-1.53	5.29	-1.53	5.50	106.15	0.47
1000.00	0.53	173.11	999.97	-2.06	5.37	-2.06	5.75	111.03	0.45
1100.00	0.81	184.20	1099.97	-3.23	5.37	-3.23	6.27	121.00	0.30
1200.00	0.69	198.00	1199.96	-4.50	5.13	-4.50	6.83	131.25	0.22
1300.00	0.58	199.87	1299.95	-5.55	4.78	-5.55	7.32	139.28	0.11
1400.00	0.67	229.92	1399.95	-6.40	4.16	-6.40	7.63	146.98	0.33
1500.00	0.34	240.82	1499.94	-6.92	3.45	-6.92	7.73	153.47	0.34
1600.00	0.54	331.22	1599.94	-6.65	2.97	-6.65	7.29	155.94	0.64
1700.00	0.79	299.35	1699.93	-5.90	2.14	-5.90	6.28	160.07	0.44
1800.00	0.86	306.62	1799.92	-5.12	0.94	-5.12	5.20	169.62	0.12

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	1.07	356.49	1899.91	-3.74	0.28	-3.74	3.75	175.71	0.84
2000.00	1.33	327.48	1999.89	-1.83	-0.40	-1.83	1.87	192.40	0.65
2100.00	0.44	10.53	2099.88	-0.46	-0.96	-0.46	1.06	244.08	1.05
2200.00	1.48	75.34	2199.86	0.24	0.36	0.24	0.44	56.16	1.35
2300.00	1.38	66.91	2299.83	1.04	2.72	1.04	2.91	69.03	0.23
2400.00	1.23	35.27	2399.81	2.39	4.45	2.39	5.05	61.71	0.73
2500.00	0.95	48.33	2499.79	3.82	5.69	3.82	6.85	56.09	0.38
2600.00	0.68	40.12	2599.78	4.82	6.69	4.82	8.24	54.18	0.29
2700.00	1.10	30.30	2699.77	6.11	7.55	6.11	9.71	51.04	0.45
2800.00	0.66	39.13	2799.76	7.39	8.40	7.39	11.19	48.68	0.46
2900.00	0.71	2.74	2899.75	8.45	8.80	8.45	12.20	46.15	0.43
3000.00	0.71	3.78	2999.74	9.68	8.87	9.68	13.13	42.49	0.01
3100.00	0.28	318.19	3099.74	10.48	8.74	10.48	13.65	39.83	0.55
3200.00	0.30	276.91	3199.74	10.70	8.32	10.70	13.55	37.88	0.20
3300.00	0.16	325.47	3299.74	10.84	7.99	10.84	13.46	36.37	0.23
3400.00	0.52	261.08	3399.73	10.88	7.46	10.88	13.20	34.43	0.47
3500.00	0.16	307.72	3499.73	10.90	6.90	10.90	12.90	32.35	0.42
3600.00	0.62	267.53	3599.73	10.96	6.26	10.96	12.62	29.71	0.50
3700.00	0.29	254.27	3699.73	10.87	5.48	10.87	12.17	26.74	0.34
3800.00	0.30	274.61	3799.73	10.82	4.97	10.82	11.91	24.68	0.11
3900.00	0.73	277.42	3899.72	10.93	4.08	10.93	11.67	20.48	0.42
4000.00	0.93	247.79	3999.71	10.70	2.70	10.70	11.04	14.15	0.47
4100.00	0.80	246.41	4099.70	10.12	1.31	10.12	10.20	7.36	0.14
4200.00	0.68	236.64	4199.69	9.51	0.18	9.51	9.51	1.07	0.17
4300.00	0.99	230.58	4299.68	8.64	-0.98	8.64	8.70	353.51	0.33
4400.00	0.83	230.56	4399.67	7.63	-2.21	7.63	7.94	343.84	0.16
4500.00	1.10	222.10	4499.65	6.46	-3.41	6.46	7.31	332.16	0.30
4600.00	1.11	229.93	4599.64	5.13	-4.79	5.13	7.02	316.95	0.15
4700.00	1.52	208.63	4699.61	3.34	-6.17	3.34	7.01	298.47	0.63
4800.00	1.54	210.54	4799.57	1.02	-7.48	1.02	7.55	277.78	0.05
4900.00	1.38	224.47	4899.54	-0.99	-9.01	-0.99	9.07	263.70	0.39
5000.00	1.24	205.83	4999.52	-2.83	-10.33	-2.83	10.71	254.67	0.45
5100.00	1.51	213.65	5099.49	-4.90	-11.53	-4.90	12.53	246.96	0.33
5200.00	1.53	211.97	5199.45	-7.14	-12.97	-7.14	14.81	241.18	0.05
5300.00	1.80	208.61	5299.41	-9.65	-14.43	-9.65	17.37	236.22	0.28
5400.00	1.97	216.83	5399.36	-12.41	-16.22	-12.41	20.42	232.57	0.32
5500.00	1.71	216.33	5499.30	-15.00	-18.14	-15.00	23.53	230.42	0.26
5600.00	1.76	221.66	5599.26	-17.35	-20.04	-17.35	26.51	229.12	0.17
5700.00	1.57	222.86	5699.21	-19.50	-22.00	-19.50	29.40	228.44	0.19

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	1.30	221.48	5799.18	-21.36	-23.69	-21.36	31.90	227.96	0.27
5900.00	1.44	207.96	5899.15	-23.32	-25.03	-23.32	34.21	227.02	0.35
6000.00	1.60	228.57	5999.12	-25.35	-26.66	-25.35	36.79	226.44	0.57
6100.00	1.37	216.08	6099.09	-27.24	-28.41	-27.24	39.36	226.21	0.40
6182.00	1.83	214.92	6181.06	-29.11	-29.74	-29.11	41.61	225.62	0.56

Mewbourne Oil Co

Eddy County, New Mexico

Sec 21-26S-28E

Skeen 21 State Com #2H

Wellbore #1

Survey: MWD

DDC Survey Report

02 February, 2012



DDC
Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Skeen 21 State Com #2H
Project:	Eddy County, New Mexico	TVD Reference:	WELL @ 3040.0usft (Patterson #75)
Site:	Sec 21-26S-28E	MD Reference:	WELL @ 3040.0usft (Patterson #75)
Well:	Skeen 21 State 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 21-26S-28E		
Site Position:		Northing:	376,242.70 usft
From:	Map	Easting:	575,636.40 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 2' 3.015 N
		Longitude:	104° 5' 21.302 W
		Grid Convergence:	0.13 °

Well	Skeen 21 State Com #2H		
Well Position	+N/-S	0.0 usft	Northing: 376,242.70 usft
	+E/-W	0.0 usft	Easting: 575,636.40 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 2' 3.015 N
		Longitude:	104° 5' 21.302 W
		Ground Level:	3,017.0 usft

Wellbore	Wellbore #1		
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	1/10/2012	7.74	59.91	48,389

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	225.61

Survey Program	Date 2/2/2012		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
100.0	6,182.0	GYRO (Wellbore #1)	Good_gyro
6,260.0	11,235.0	MWD (Wellbore #1)	MWD default
			Description
			Good Gyro
			MWD - Standard

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 @ 6182' MD / 6182' TVD									
6,182.0	1.83	214.92	6,181.1	-29.1	-29.7	41.6	0.00	0.00	0.00
6,260.0	1.90	209.20	6,259.0	-31.3	-31.1	44.1	0.25	0.09	-7.33
6,292.0	1.90	208.20	6,291.0	-32.2	-31.6	45.1	0.10	0.00	-3.13
6,324.0	3.70	192.90	6,323.0	-33.7	-32.1	46.5	6.04	5.63	-47.81
6,356.0	6.70	184.90	6,354.8	-36.5	-32.5	48.7	9.62	9.38	-25.00
6,387.0	9.50	181.30	6,385.5	-40.9	-32.7	52.0	9.17	9.03	-11.61
6,419.0	12.50	179.90	6,416.9	-47.0	-32.7	56.3	9.41	9.38	-4.38
6,451.0	15.80	177.80	6,447.9	-54.8	-32.6	61.6	10.43	10.31	-6.56
6,483.0	18.90	174.90	6,478.5	-64.3	-31.9	67.8	10.05	9.69	-9.06

DDC
Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Skeen 21 State Com #2H
Project:	Eddy County, New Mexico	TVD Reference:	WELL @ 3040 0usft (Patterson #75)
Site:	Sec 21-26S-28E	MD Reference:	WELL @ 3040 0usft (Patterson #75)
Well:	Skeen 21 State 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)	
6,515.0	21.60	173.10	6,508.5	-75.3	-30.8	74.7	8.66	8.44	-5.63	
6,546.0	24.70	172.10	6,537.0	-87.4	-29.2	82.0	10.08	10.00	-3.23	
6,578.0	27.40	172.50	6,565.8	-101.3	-27.3	90.4	8.46	8.44	1.25	
6,610.0	30.30	171.20	6,593.8	-116.6	-25.1	99.5	9.27	9.06	-4.06	
6,642.0	33.50	171.40	6,620.9	-133.3	-22.6	109.4	10.01	10.00	0.63	
6,674.0	36.70	172.60	6,647.1	-151.6	-20.0	120.3	10.23	10.00	3.75	
6,706.0	39.80	174.60	6,672.2	-171.2	-17.8	132.5	10.43	9.69	6.25	
6,738.0	43.10	175.70	6,696.2	-192.3	-16.0	146.0	10.56	10.31	3.44	
6,770.0	46.30	176.20	6,719.0	-214.8	-14.4	160.6	10.06	10.00	1.56	
6,802.0	49.50	176.60	6,740.4	-238.5	-12.9	176.1	10.04	10.00	1.25	
6,836.0	52.50	177.20	6,761.8	-264.9	-11.5	193.5	8.93	8.82	1.76	
6,867.0	55.70	177.70	6,780.0	-290.0	-10.4	210.3	10.40	10.32	1.61	
6,899.0	60.30	178.60	6,796.9	-317.1	-9.5	228.6	14.57	14.38	2.81	
6,931.0	65.20	179.10	6,811.6	-345.5	-9.0	248.1	15.38	15.31	1.56	
6,963.0	70.70	179.80	6,823.6	-375.2	-8.7	268.6	17.31	17.19	2.19	
6,995.0	76.00	179.60	6,832.8	-405.8	-8.5	290.0	16.57	16.56	-0.63	
7,027.0	81.10	179.60	6,839.1	-437.1	-8.3	311.7	15.94	15.94	0.00	
7,092.0	89.90	178.40	6,844.2	-501.9	-7.2	356.2	13.66	13.54	-1.85	
7,124.0	91.40	177.90	6,843.8	-533.9	-6.1	377.8	4.94	4.69	-1.56	
7,156.0	91.30	177.50	6,843.1	-565.8	-4.9	399.3	1.29	-0.31	-1.25	
7,187.0	91.20	177.90	6,842.4	-596.8	-3.6	420.1	1.33	-0.32	1.29	
7,219.0	90.80	177.90	6,841.9	-628.8	-2.4	441.6	1.25	-1.25	0.00	
7,250.0	90.60	176.30	6,841.5	-659.7	-0.9	462.1	5.20	-0.65	-5.16	
7,282.0	90.50	176.10	6,841.2	-691.6	1.3	482.9	0.70	-0.31	-0.63	
7,314.0	90.20	175.90	6,841.0	-723.6	3.5	503.7	1.13	-0.94	-0.63	
7,377.0	89.70	175.60	6,841.0	-786.4	8.2	544.3	0.93	-0.79	-0.48	
7,440.0	91.00	175.70	6,840.6	-849.2	12.9	584.8	2.07	2.06	0.16	
7,504.0	91.20	175.90	6,839.4	-913.0	17.6	626.1	0.44	0.31	0.31	
7,567.0	91.40	175.70	6,838.0	-975.8	22.2	666.8	0.45	0.32	-0.32	
7,631.0	91.40	174.80	6,836.4	-1,039.6	27.5	707.6	1.41	0.00	-1.41	
7,694.0	91.30	173.50	6,834.9	-1,102.3	33.9	746.8	2.07	-0.16	-2.06	
7,758.0	90.20	175.70	6,834.1	-1,166.0	40.0	787.1	3.84	-1.72	3.44	
7,822.0	89.70	176.40	6,834.2	-1,229.8	44.4	828.6	1.34	-0.78	1.09	
7,885.0	88.20	174.90	6,835.3	-1,292.6	49.2	869.1	3.37	-2.38	-2.38	
7,949.0	88.40	176.30	6,837.2	-1,356.4	54.1	910.2	2.21	0.31	2.19	
8,012.0	89.70	176.60	6,838.3	-1,419.3	58.0	951.4	2.12	2.06	0.48	
8,076.0	89.60	175.90	6,838.7	-1,483.1	62.1	993.1	1.10	-0.16	-1.09	
8,139.0	91.20	175.70	6,838.2	-1,546.0	66.8	1,033.7	2.56	2.54	-0.32	
8,203.0	91.30	175.80	6,836.8	-1,609.8	71.5	1,075.0	0.22	0.16	0.16	
8,266.0	90.50	176.30	6,835.8	-1,672.6	75.8	1,115.9	1.50	-1.27	0.79	
8,330.0	89.80	175.60	6,835.7	-1,736.4	80.4	1,157.3	1.55	-1.09	-1.09	
8,393.0	88.80	175.70	6,836.4	-1,799.3	85.1	1,197.8	1.60	-1.59	0.16	
8,457.0	90.90	174.90	6,836.6	-1,863.0	90.4	1,238.7	3.51	3.28	-1.25	

DDC Survey Report



Company: Mewbourne Oil Co	Local Co-ordinate Reference: Well Skeen 21 State Com #2H
Project: Eddy County, New Mexico	TVD Reference: WELL @ 3040.0usft (Patterson #75)
Site: Sec 21-26S-28E	MD Reference: WELL @ 3040.0usft (Patterson #75)
Well: Skeen 21 State 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)
8,520.0	91.80	174.90	6,835.1	-1,925.8	96.0	1,278.6	1.43	1.43	0.00
8,584.0	92.00	174.00	6,833.0	-1,989.4	102.2	1,318.7	1.44	0.31	-1.41
8,648.0	92.20	172.50	6,830.6	-2,052.9	109.7	1,357.7	2.36	0.31	-2.34
8,711.0	90.70	173.90	6,829.0	-2,115.5	117.1	1,396.1	3.26	-2.38	2.22
8,775.0	90.20	174.40	6,828.5	-2,179.1	123.7	1,436.0	1.10	-0.78	0.78
8,838.0	90.10	172.90	6,828.4	-2,241.8	130.6	1,474.8	2.39	-0.16	-2.38
8,902.0	90.10	172.10	6,828.3	-2,305.2	139.0	1,513.3	1.25	0.00	-1.25
8,966.0	89.40	174.40	6,828.5	-2,368.8	146.5	1,552.3	3.76	-1.09	3.59
9,029.0	89.10	174.50	6,829.4	-2,431.5	152.6	1,591.8	0.50	-0.48	0.16
9,092.0	88.80	175.40	6,830.5	-2,494.2	158.1	1,631.8	1.51	-0.48	1.43
9,156.0	90.90	176.60	6,830.7	-2,558.0	162.6	1,673.2	3.78	3.28	1.88
9,219.0	91.30	177.00	6,829.5	-2,620.9	166.1	1,714.7	0.90	0.63	0.63
9,282.0	90.70	177.70	6,828.4	-2,683.9	169.0	1,756.7	1.46	-0.95	1.11
9,346.0	90.20	178.00	6,827.9	-2,747.8	171.4	1,799.7	0.91	-0.78	0.47
9,409.0	89.90	175.90	6,827.8	-2,810.7	174.8	1,841.3	3.37	-0.48	-3.33
9,473.0	89.80	174.10	6,828.0	-2,874.5	180.4	1,881.9	2.82	-0.16	-2.81
9,536.0	89.90	174.00	6,828.2	-2,937.1	186.9	1,921.1	0.22	0.16	-0.16
9,599.0	89.60	174.10	6,828.4	-2,999.8	193.4	1,960.2	0.50	-0.48	0.16
9,663.0	90.10	174.50	6,828.6	-3,063.5	199.8	2,000.2	1.00	0.78	0.63
9,727.0	89.90	174.10	6,828.6	-3,127.2	206.1	2,040.3	0.70	-0.31	-0.63
9,790.0	91.30	173.70	6,827.9	-3,189.8	212.8	2,079.3	2.31	2.22	-0.63
9,854.0	92.80	174.70	6,825.7	-3,253.4	219.3	2,119.2	2.82	2.34	1.56
9,918.0	90.90	174.80	6,823.6	-3,317.1	225.2	2,159.6	2.97	-2.97	0.16
9,981.0	90.40	174.10	6,822.9	-3,379.8	231.2	2,199.1	1.37	-0.79	-1.11
10,044.0	89.40	174.10	6,823.0	-3,442.5	237.7	2,238.3	1.59	-1.59	0.00
10,108.0	90.00	173.50	6,823.3	-3,506.1	244.6	2,277.8	1.33	0.94	-0.94
10,171.0	89.40	172.60	6,823.6	-3,568.6	252.3	2,316.1	1.72	-0.95	-1.43
10,234.0	89.90	174.30	6,824.0	-3,631.2	259.4	2,354.8	2.81	0.79	2.70
10,298.0	89.10	174.00	6,824.6	-3,694.9	266.0	2,394.7	1.33	-1.25	-0.47
10,362.0	89.70	174.80	6,825.3	-3,758.6	272.2	2,434.7	1.56	0.94	1.25
10,426.0	91.30	175.60	6,824.7	-3,822.3	277.6	2,475.5	2.80	2.50	1.25
10,490.0	91.20	174.60	6,823.3	-3,886.1	283.0	2,516.2	1.57	-0.16	-1.56
10,553.0	91.10	173.40	6,822.0	-3,948.7	289.6	2,555.3	1.91	-0.16	-1.90
10,616.0	91.30	174.50	6,820.7	-4,011.4	296.3	2,594.4	1.77	0.32	1.75
10,680.0	90.80	174.70	6,819.6	-4,075.1	302.3	2,634.7	0.84	-0.78	0.31
10,743.0	90.10	174.50	6,819.1	-4,137.8	308.2	2,674.3	1.16	-1.11	-0.32
10,807.0	89.80	174.20	6,819.1	-4,201.5	314.5	2,714.4	0.66	-0.47	-0.47
10,871.0	90.10	174.50	6,819.2	-4,265.2	320.8	2,754.4	0.66	0.47	0.47
10,934.0	89.90	173.50	6,819.2	-4,327.8	327.4	2,793.5	1.62	-0.32	-1.59
10,998.0	91.00	173.60	6,818.7	-4,391.4	334.6	2,832.9	1.73	1.72	0.16
11,061.0	90.80	173.70	6,817.7	-4,454.0	341.5	2,871.7	0.35	-0.32	0.16
11,125.0	90.70	173.60	6,816.8	-4,517.6	348.6	2,911.1	0.22	-0.16	-0.16
11,185.0	90.60	172.80	6,816.2	-4,577.2	355.7	2,947.7	1.34	-0.17	-1.33

DDC
Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Skeen 21 State Com #2H
Project:	Eddy County, New Mexico	TVD Reference:	WELL @ 3040.0usft (Patterson #75)
Site:	Sec 21-26S-28E	MD Reference:	WELL @ 3040.0usft (Patterson #75)
Well:	Skeen 21 State 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)
TD @ 11235' MD / 6816' TVD									
11,235.0	90.60	172.80	6,815.6	-4,626.8	362.0	2,977.9	0.00	0.00	0.00

Survey Annotations

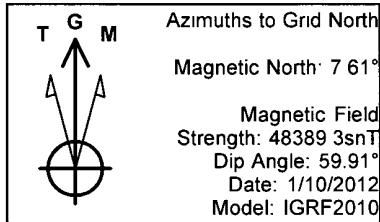
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
6,182.0	6,181.1	-29.1	-29.7	Tie In @ 6182' MD / 6182' TVD
11,235.0	6,815.6	-4,626.8	362.0	TD @ 11235' MD / 6816' TVD

Checked By: _____	Approved By: _____	Date: _____
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Company Name Mewbourne Oil Co
Skeen 21 State Com #2H
Eddy County, New Mexico
Rig Patterson #75
Created By Dina Chance
Date 2/2/2012

Skeen 21 State Com #2H
Eddy County, New Mexico
Q120012 & WT-12022

Mewbourne Oil Company

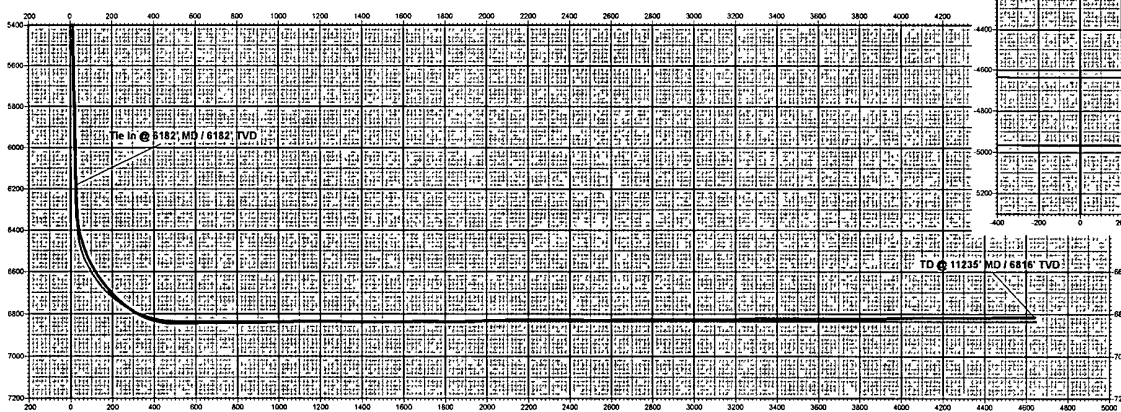


ANNOTATIONS									
MD	Inc	Azi	TVD	+N-S	+E-W	V-Sect	Departure	Annotation	
6182 0	1 83	214 82	6181 1	-29 1	-29 7	41 6	96 0	Tie in @ 6182' MD / 6182' TVD	
11235 0	90 60	172 80	6816 6	-4626 8	362 0	2977 9	4713 1	TD @ 11235' MD / 6816' TVD	

DESIGN TARGET DETAILS							
Name	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude
PBHL Skeen 21 State Com #2H - plan hits target center	6835 0	-4636 1	343 2	371606 60	576979 60	32° 1' 17.128 N	104° 5' 17.437 W

WELL DETAILS Skeen 21 State Com #2H							
+N-S	+E-W	Ground Level	Northing	Easting	Latitude	Longitude	
0 0	0 0	3017 0	376342 70	576936 40	32° 2' 3.016 N	104° 5' 21.502 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 175 77° (200 usft/in)

