

February 11, 2015

New Mexico Energy, Minerals and Natural Resources Department
Attn: Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

HOBBS OGD

MAR 19 2015

Attn: Jackie Lathan

Re: Mewbourne Oil Company
Scharb 10 B3NC State #001H
3RD Bone Spring Sand
Lea County, New Mexico
API# 30-025-41986

RECEIVED

Enclosed please find the original and one (1) copy of the survey performed on the reference well by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C. Other information required by your office is as follows:

<u>Name & Title</u>	<u>Drainhole No.</u>	<u>Survey Depths</u>	<u>Dates Performed</u>	<u>Type Survey</u>
John Bult	Original Hole	10,020ft. to 15,179ft.	12-26-14 to 01-05-15	MWD Survey

A certified plat on which the bottom-hole location is oriented to both surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number


Todd Estes

Enclosures

CC:

Mewbourne Oil Company
Attn: Frosty Lathan
P.O. Box 5720
Hobbs, NM 88241

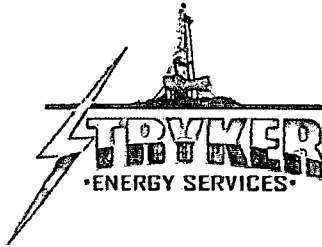
Mewbourne Oil Company
Attn: Robin Terrell
P.O. Box 5720
Hobbs, NM 88241

NMEMaNRD\Mewbourne Oil Company\Scharb 10 B3NC State #11H\141285

STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.
P.O. Box 1250
Montgomery, TX 77356
Office (936) 582-7296 * Fax (936) 588-4163

MAR 26 2015





February 11, 2015

HOBBS OCD

Survey Certification Report

MAR 19 2015

STATE OF TEXAS

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COUNTY OF Montgomery

I, Todd Estes, certify that I am employed by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C., and that I did on the day(s) of December 26, 2014 thru January 05, 2014, conduct or supervise the taking of a SEDS MWD Survey from a depth of 10,020 feet to a depth of 15,179 feet; that I am authorized and qualified to make this report; that this survey was conducted at the request of Mewbourne Oil Company, for the Scharb 10 B3NC State #001H well, API # 30-025-41986 in Lea County, New Mexico; and that I have reviewed this report and find that it conforms to the principles as set forth by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.

Todd Estes

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Montgomery, TX 77356

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Mewbourne Oil Company .

Lea County N.M.

Section 10-19S-34E Scharb 10 NC State #1H

Scharb 10 B3NC State #1H

Original Hole

Design: Original Hole

HOBBS OCD

MAR 19 2015

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Standard Survey Report

11 February, 2015

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Stryker Directional Survey Report

Company: Mewbourne Oil Company	Local Co-ordinate Reference: Well Scharb 10 B3NC State #1H	
Project: Lea County N.M.	TVD Reference: 3857 + 20 @ 3877.0usft (Patterson # 80)	
Site: Section 10-19S-34E Scharb 10 NC State #1H	MD Reference: 3857 + 20 @ 3877.0usft (Patterson # 80)	
Well: Scharb 10 B3NC State #1H	North Reference: Grid	
Wellbore: Original Hole	Survey Calculation Method: Minimum Curvature	
Design: Original Hole	Database: Stryker_EDM	

Project Lea County N.M.		
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 Section 10-19S-34E Scharb 10 NC State #1H			
Site Position:	Northing: 607,594.00 usft	Latitude: 32° 40' 4.547 N	
From: Map	Easting: 741,124.40 usft	Longitude: 103° 32' 59.195 W	
Position Uncertainty: 0.0 usft	Slot Radius: 13-3/16 "	Grid Convergence: 0.42 °	

Well Scharb 10 B3NC State #1H			
Well Position	+N/-S 0.0 usft	Northing: 607,594.00 usft	Latitude: 32° 40' 4.547 N
	+E/-W 0.0 usft	Easting: 741,124.40 usft	Longitude: 103° 32' 59.195 W
Position Uncertainty 0.0 usft	Wellhead Elevation: 0.0 usft	Ground Level: 3,857.0 usft	

Wellbore Original Hole			
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2010	12/9/2014	7.18
			Dip Angle (°) 60.51
			Field Strength (nT) 48,533

Design Original Hole			
Audit Notes:			
Version: 1.0	Phase: ACTUAL	Tie On Depth: 0.0	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.0	0.0	0.0
			Direction (°) 356.75

Survey Program		Date 2/11/2015
From (usft)	To (usft)	Survey (Wellbore)
100.0	9,950.0	Ves Gyro Survey (Original Hole)
10,020.0	15,190.0	MWD Survey (Original Hole)
		Tool Name
		MWD
		Description
		MWD v3:standard declination
		MWD v3:standard declination

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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.33	19.95	100.0	0.3	0.1	0.3	0.33	0.33	0.00
200.0	0.02	148.39	200.0	0.5	0.2	0.5	0.34	-0.31	128.44
300.0	0.14	355.88	300.0	0.6	0.2	0.6	0.16	0.12	-152.51
400.0	0.08	91.07	400.0	0.8	0.3	0.7	0.17	-0.06	95.19
500.0	0.20	80.85	500.0	0.8	0.5	0.8	0.12	0.12	-10.22
600.0	0.35	64.50	600.0	0.9	1.0	0.9	0.17	0.15	-16.35
700.0	0.24	60.36	700.0	1.2	1.4	1.1	0.11	-0.11	-4.14
800.0	0.29	1.99	800.0	1.5	1.6	1.4	0.26	0.05	-58.37
900.0	0.09	25.54	900.0	1.9	1.6	1.8	0.21	-0.20	23.55

Stryker Directional Survey Report

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Well: Scharb 10 B3NC State #1H	North Reference: Grid	
Wellbore: Original Hole	Survey Calculation Method: Minimum Curvature	
Design: Original Hole	Database: Stryker_EDM	

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)
1,000.0	0.18	57.48	1,000.0	2.0	1.8	1.9	0.11	0.09	31.94
1,100.0	0.12	76.61	1,100.0	2.1	2.0	2.0	0.08	-0.06	19.13
1,200.0	0.11	254.95	1,200.0	2.1	2.1	2.0	0.23	-0.01	178.34
1,300.0	0.28	326.21	1,300.0	2.3	1.8	2.2	0.27	0.17	71.26
1,400.0	0.10	310.78	1,400.0	2.6	1.6	2.5	0.19	-0.18	-15.43
1,500.0	0.12	35.65	1,500.0	2.7	1.6	2.6	0.15	0.02	84.87
1,600.0	0.42	322.35	1,600.0	3.1	1.5	3.0	0.40	0.30	-73.30
1,700.0	0.44	326.37	1,700.0	3.7	1.0	3.6	0.04	0.02	4.02
1,800.0	0.25	345.92	1,800.0	4.2	0.8	4.2	0.22	-0.19	19.55
1,900.0	0.46	345.30	1,900.0	4.8	0.6	4.8	0.21	0.21	-0.62
2,000.0	0.25	343.84	2,000.0	5.4	0.4	5.4	0.21	-0.21	-1.46
2,100.0	0.13	336.26	2,100.0	5.7	0.3	5.7	0.12	-0.12	-7.58
2,200.0	0.09	349.28	2,200.0	5.9	0.3	5.9	0.05	-0.04	13.02
2,300.0	0.09	16.27	2,300.0	6.1	0.3	6.0	0.04	0.00	26.99
2,400.0	0.06	41.74	2,400.0	6.2	0.3	6.1	0.04	-0.03	25.47
2,500.0	0.15	266.96	2,500.0	6.2	0.2	6.2	0.20	0.09	-134.78
2,600.0	0.16	161.84	2,600.0	6.1	0.2	6.0	0.25	0.01	-105.12
2,700.0	0.23	91.90	2,700.0	5.9	0.4	5.9	0.23	0.07	-69.94
2,800.0	0.17	108.64	2,800.0	5.9	0.7	5.8	0.08	-0.06	16.74
2,900.0	0.71	82.76	2,900.0	5.9	1.5	5.8	0.56	0.54	-25.88
3,000.0	0.70	71.78	3,000.0	6.2	2.7	6.0	0.14	-0.01	-10.98
3,100.0	0.73	80.40	3,100.0	6.5	3.9	6.2	0.11	0.03	8.62
3,200.0	0.91	79.58	3,200.0	6.7	5.3	6.4	0.18	0.18	-0.82
3,300.0	0.85	69.34	3,299.9	7.1	6.8	6.7	0.17	-0.06	-10.24
3,400.0	0.68	64.21	3,399.9	7.6	8.0	7.2	0.18	-0.17	-5.13
3,500.0	0.35	61.39	3,499.9	8.0	8.8	7.5	0.33	-0.33	-2.82
3,600.0	0.34	30.24	3,599.9	8.5	9.2	7.9	0.19	-0.01	-31.15
3,700.0	0.29	54.88	3,699.9	8.9	9.6	8.3	0.14	-0.05	24.64
3,800.0	0.27	39.49	3,799.9	9.2	9.9	8.6	0.08	-0.02	-15.39
3,900.0	0.36	331.33	3,899.9	9.6	9.9	9.1	0.36	0.09	-68.16
4,000.0	0.69	18.24	3,999.9	10.5	10.0	9.9	0.52	0.33	46.91
4,100.0	0.57	31.18	4,099.9	11.5	10.4	10.9	0.19	-0.12	12.94
4,200.0	0.48	13.92	4,199.9	12.3	10.8	11.7	0.18	-0.09	-17.26
4,300.0	0.55	8.89	4,299.9	13.2	11.0	12.6	0.08	0.07	-5.03
4,400.0	0.75	349.14	4,399.9	14.3	10.9	13.7	0.30	0.20	-19.75
4,500.0	0.98	354.32	4,499.9	15.8	10.7	15.2	0.24	0.23	5.18
4,600.0	0.89	345.46	4,599.9	17.4	10.4	16.8	0.17	-0.09	-8.86
4,700.0	0.55	328.98	4,699.9	18.6	10.0	18.0	0.39	-0.34	-16.48
4,800.0	0.52	334.02	4,799.9	19.4	9.5	18.8	0.06	-0.03	5.04
4,900.0	0.85	356.93	4,899.9	20.5	9.3	20.0	0.42	0.33	22.91
5,000.0	0.81	355.40	4,999.8	22.0	9.2	21.4	0.05	-0.04	-1.53
5,100.0	0.81	354.76	5,099.8	23.4	9.1	22.8	0.01	0.00	-0.64
5,200.0	1.07	337.95	5,199.8	25.0	8.7	24.4	0.38	0.26	-16.81

Stryker Directional Survey Report

Company: Mewbourne Oil Company	Local Co-ordinate Reference: Well Scharb 10 B3NC State #1H	
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Site: Section 10-19S-34E Scharb 10 NC State #1H	MD Reference: 3857 + 20 @ 3877.0usft (Patterson # 80)	
Well: Scharb 10 B3NC State #1H	North Reference: Grid	
Wellbore: Original Hole	Survey Calculation Method: Minimum Curvature	
Design: Original Hole	Database: Stryker_EDM	

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)
5,300.0	0.81	325.91	5,299.8	26.4	7.9	25.9	0.33	-0.26	-12.04
5,400.0	0.56	348.98	5,399.8	27.5	7.4	27.0	0.37	-0.25	23.07
5,500.0	0.18	332.76	5,499.8	28.1	7.3	27.6	0.39	-0.38	-16.22
5,600.0	0.67	325.00	5,599.8	28.7	6.9	28.3	0.49	0.49	-7.76
5,700.0	0.45	322.24	5,699.8	29.5	6.3	29.1	0.22	-0.22	-2.76
5,800.0	0.84	322.00	5,799.8	30.4	5.6	30.0	0.39	0.39	-0.24
5,900.0	0.70	332.12	5,899.8	31.5	4.9	31.2	0.19	-0.14	10.12
6,000.0	0.87	340.60	5,999.8	32.8	4.3	32.5	0.21	0.17	8.48
6,100.0	0.34	341.67	6,099.8	33.8	4.0	33.5	0.53	-0.53	1.07
6,200.0	0.18	79.35	6,199.8	34.1	4.0	33.8	0.41	-0.16	97.68
6,300.0	0.43	26.56	6,299.8	34.4	4.4	34.1	0.35	0.25	-52.79
6,400.0	0.25	25.05	6,399.8	35.0	4.6	34.7	0.18	-0.18	-1.51
6,500.0	0.07	96.62	6,499.8	35.2	4.8	34.8	0.24	-0.18	71.57
6,600.0	0.24	313.32	6,599.8	35.3	4.7	35.0	0.30	0.17	-143.30
6,700.0	0.42	297.62	6,699.8	35.6	4.2	35.3	0.20	0.18	-15.70
6,800.0	0.13	320.11	6,799.7	35.9	3.8	35.6	0.30	-0.29	22.49
6,900.0	0.64	294.89	6,899.7	36.2	3.2	36.0	0.53	0.51	-25.22
7,000.0	0.67	279.47	6,999.7	36.5	2.1	36.3	0.18	0.03	-15.42
7,100.0	0.49	294.09	7,099.7	36.8	1.2	36.7	0.23	-0.18	14.62
7,200.0	0.42	247.87	7,199.7	36.8	0.4	36.8	0.36	-0.07	-46.22
7,300.0	0.88	246.39	7,299.7	36.4	-0.6	36.4	0.46	0.46	-1.48
7,400.0	0.70	241.90	7,399.7	35.8	-1.8	35.8	0.19	-0.18	-4.49
7,500.0	0.55	258.66	7,499.7	35.4	-2.9	35.5	0.23	-0.15	16.76
7,600.0	0.36	265.58	7,599.7	35.3	-3.6	35.4	0.20	-0.19	6.92
7,700.0	0.31	269.74	7,699.7	35.3	-4.2	35.4	0.06	-0.05	4.16
7,800.0	0.40	273.96	7,799.7	35.3	-4.8	35.5	0.09	0.09	4.22
7,900.0	0.52	284.13	7,899.7	35.4	-5.6	35.7	0.14	0.12	10.17
8,000.0	0.46	240.77	7,999.7	35.3	-6.4	35.6	0.37	-0.06	-43.36
8,100.0	0.70	253.30	8,099.7	35.0	-7.4	35.3	0.27	0.24	12.53
8,200.0	0.96	231.48	8,199.7	34.3	-8.6	34.7	0.40	0.26	-21.82
8,300.0	1.42	232.72	8,299.7	33.0	-10.2	33.5	0.46	0.46	1.24
8,400.0	1.90	219.75	8,399.6	31.0	-12.3	31.6	0.61	0.48	-12.97
8,500.0	2.29	210.79	8,499.6	28.0	-14.4	28.8	0.51	0.39	-8.96
8,600.0	3.75	196.87	8,599.4	23.1	-16.3	24.0	1.62	1.46	-13.92
8,700.0	2.40	202.35	8,699.3	18.1	-18.1	19.1	1.38	-1.35	5.48
8,800.0	1.85	219.51	8,799.2	14.9	-19.9	16.0	0.84	-0.55	17.16
8,900.0	1.04	233.89	8,899.2	13.1	-21.7	14.3	0.88	-0.81	14.38
9,000.0	0.88	265.52	8,999.2	12.5	-23.2	13.8	0.55	-0.16	31.63
9,100.0	1.12	312.42	9,099.1	13.1	-24.7	14.5	0.83	0.24	46.90
9,200.0	1.53	322.43	9,199.1	14.8	-26.2	16.3	0.47	0.41	10.01
9,300.0	2.27	312.81	9,299.1	17.2	-28.5	18.8	0.80	0.74	-9.62
9,400.0	2.02	321.30	9,399.0	20.0	-31.0	21.7	0.40	-0.25	8.49
9,500.0	2.12	344.24	9,498.9	23.1	-32.6	24.9	0.83	0.10	22.94

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9,600.0	1.65	336.86	9,598.9	26.2	-33.7	28.1	0.53	-0.47	-7.38
9,700.0	1.20	7.70	9,698.8	28.6	-34.1	30.5	0.87	-0.45	30.84
9,800.0	0.90	44.91	9,798.8	30.2	-33.4	32.0	0.73	-0.30	37.21
9,900.0	1.15	77.62	9,898.8	30.9	-31.9	32.7	0.63	0.25	32.71
9,950.0	1.13	83.59	9,948.8	31.1	-30.9	32.8	0.24	-0.04	11.94
9950' MD VES Gyro									
10,020.0	1.40	116.20	10,018.8	30.8	-29.4	32.4	1.08	0.39	46.59
10,115.0	1.20	118.50	10,113.8	29.8	-27.5	31.3	0.22	-0.21	2.42
10,179.0	3.30	0.20	10,177.7	31.3	-26.9	32.8	6.27	3.28	-184.84
10,210.0	8.40	349.20	10,208.6	34.5	-27.4	36.0	16.77	16.45	-35.48
10,242.0	14.20	149.10	10,240.3	33.4	-25.8	34.8	69.60	18.13	499.69
10,274.0	17.80	353.00	10,271.8	34.9	-24.3	36.2	97.81	11.25	-487.81
10,305.0	20.20	356.40	10,301.1	44.9	-25.2	46.3	8.52	7.74	10.97
10,337.0	22.40	357.60	10,330.9	56.6	-25.8	57.9	7.01	6.88	3.75
10,369.0	24.80	356.20	10,360.3	69.3	-26.5	70.7	7.70	7.50	-4.38
10,400.0	27.40	355.90	10,388.1	82.9	-27.5	84.4	8.40	8.39	-0.97
10,432.0	29.50	354.20	10,416.2	98.1	-28.8	99.6	7.03	6.56	-5.31
10,464.0	31.80	352.10	10,443.8	114.3	-30.7	115.9	7.93	7.19	-6.56
10,496.0	34.80	352.80	10,470.5	131.7	-33.0	133.4	9.45	9.38	2.19
10,528.0	37.50	354.80	10,496.3	150.5	-35.1	152.2	9.21	8.44	6.25
10,559.0	40.00	356.20	10,520.5	169.8	-36.6	171.6	8.55	8.06	4.52
10,591.0	42.90	358.10	10,544.5	191.0	-37.6	192.8	9.88	9.06	5.94
10,623.0	46.00	0.20	10,567.3	213.4	-38.0	215.2	10.72	9.69	6.56
10,654.0	49.10	1.40	10,588.3	236.3	-37.6	238.0	10.40	10.00	3.87
10,686.0	52.60	1.90	10,608.5	261.1	-36.9	262.7	11.00	10.94	1.56
10,718.0	55.50	1.50	10,627.3	287.0	-36.1	288.5	9.12	9.06	-1.25
10,750.0	58.40	0.90	10,644.7	313.8	-35.6	315.3	9.20	9.06	-1.88
10,781.0	60.80	1.30	10,660.4	340.5	-35.1	341.9	7.82	7.74	1.29
10,813.0	64.20	0.60	10,675.2	368.9	-34.6	370.2	10.80	10.63	-2.19
10,845.0	68.00	359.90	10,688.1	398.1	-34.5	399.4	12.04	11.88	-2.19
10,877.0	71.80	358.40	10,699.1	428.2	-34.9	429.5	12.66	11.88	-4.69
10,909.0	75.90	357.80	10,708.0	458.9	-35.9	460.2	12.94	12.81	-1.88
10,941.0	79.50	358.00	10,714.8	490.1	-37.1	491.4	11.27	11.25	0.63
10,972.0	83.00	358.70	10,719.6	520.7	-38.0	522.1	11.51	11.29	2.26
11,004.0	87.10	356.90	10,722.3	552.6	-39.2	553.9	13.98	12.81	-5.63
11,064.0	91.30	354.20	10,723.2	612.4	-43.9	613.9	8.32	7.00	-4.50
11,159.0	91.80	353.40	10,720.6	706.8	-54.1	708.7	0.99	0.53	-0.84
11,255.0	90.70	355.10	10,718.5	802.3	-63.7	804.6	2.11	-1.15	1.77
11,350.0	90.60	356.60	10,717.4	897.0	-70.6	899.6	1.58	-0.11	1.58
11,445.0	91.50	358.00	10,715.7	991.9	-75.1	994.6	1.75	0.95	1.47
11,540.0	90.40	358.30	10,714.1	1,086.8	-78.1	1,089.5	1.20	-1.16	0.32
11,635.0	91.40	357.70	10,712.6	1,181.8	-81.5	1,184.5	1.23	1.05	-0.63
11,730.0	88.90	358.20	10,712.4	1,276.7	-84.9	1,279.5	2.68	-2.63	0.53
11,826.0	88.70	357.50	10,714.4	1,372.6	-88.5	1,375.4	0.76	-0.21	-0.73

Stryker Directional Survey Report

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Scharb 10 B3NC State #1H
Project:	Lea County N.M.	TVD Reference:	3857 + 20 @ 3877.0usft (Patterson # 80)
Site:	Section 10-19S-34E Scharb 10 NC State #1H	MD Reference:	3857 + 20 @ 3877.0usft (Patterson # 80)
Well:	Scharb 10 B3NC State #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

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)
11,921.0	90.50	358.80	10,715.0	1,467.6	-91.5	1,470.4	2.34	1.89	1.37
12,016.0	92.10	359.60	10,712.9	1,562.5	-92.8	1,565.3	1.88	1.68	0.84
12,111.0	92.60	359.10	10,709.0	1,657.4	-93.9	1,660.1	0.74	0.53	-0.53
12,207.0	92.90	358.70	10,704.4	1,753.3	-95.8	1,755.9	0.52	0.31	-0.42
12,302.0	93.40	358.00	10,699.1	1,848.1	-98.5	1,850.7	0.90	0.53	-0.74
12,397.0	90.10	357.50	10,696.2	1,943.0	-102.2	1,945.7	3.51	-3.47	-0.53
12,492.0	90.50	356.90	10,695.8	2,037.9	-106.9	2,040.6	0.76	0.42	-0.63
12,587.0	91.20	356.40	10,694.3	2,132.7	-112.4	2,135.6	0.91	0.74	-0.53
12,682.0	91.70	355.50	10,691.9	2,227.4	-119.1	2,230.6	1.08	0.53	-0.95
12,777.0	89.80	355.00	10,690.7	2,322.1	-127.0	2,325.6	2.07	-2.00	-0.53
12,872.0	90.40	354.40	10,690.5	2,416.7	-135.8	2,420.5	0.89	0.63	-0.63
12,968.0	89.70	355.90	10,690.4	2,512.3	-143.9	2,516.4	1.72	-0.73	1.56
13,064.0	90.10	355.50	10,690.6	2,608.1	-151.1	2,612.4	0.59	0.42	-0.42
13,159.0	90.50	354.70	10,690.1	2,702.7	-159.2	2,707.4	0.94	0.42	-0.84
13,254.0	90.00	356.50	10,689.7	2,797.4	-166.5	2,802.4	1.97	-0.53	1.89
13,349.0	89.60	354.60	10,690.0	2,892.1	-173.8	2,897.3	2.04	-0.42	-2.00
13,445.0	90.30	355.50	10,690.1	2,987.8	-182.1	2,993.3	1.19	0.73	0.94
13,540.0	90.10	354.60	10,689.8	3,082.4	-190.3	3,088.3	0.97	-0.21	-0.95
13,635.0	89.30	355.50	10,690.3	3,177.1	-198.5	3,183.2	1.27	-0.84	0.95
13,731.0	92.00	356.60	10,689.2	3,272.8	-205.1	3,279.2	3.04	2.81	1.15
13,826.0	93.10	355.80	10,685.0	3,367.5	-211.4	3,374.1	1.43	1.16	-0.84
13,921.0	94.20	355.10	10,678.9	3,462.0	-218.9	3,468.9	1.37	1.16	-0.74
14,017.0	92.50	357.50	10,673.3	3,557.6	-225.1	3,564.7	3.06	-1.77	2.50
14,112.0	90.20	357.60	10,671.1	3,652.5	-229.2	3,659.6	2.42	-2.42	0.11
14,207.0	89.00	358.50	10,671.7	3,747.5	-232.4	3,754.6	1.58	-1.26	0.95
14,303.0	89.60	357.70	10,672.9	3,843.4	-235.6	3,850.6	1.04	0.63	-0.83
14,398.0	88.70	358.70	10,674.3	3,938.3	-238.6	3,945.5	1.42	-0.95	1.05
14,494.0	89.40	357.90	10,675.9	4,034.3	-241.4	4,041.5	1.11	0.73	-0.83
14,589.0	90.10	357.30	10,676.3	4,129.2	-245.4	4,136.5	0.97	0.74	-0.63
14,684.0	90.70	356.60	10,675.7	4,224.1	-250.5	4,231.5	0.97	0.63	-0.74
14,779.0	91.20	355.80	10,674.1	4,318.8	-256.8	4,326.5	0.99	0.53	-0.84
14,854.0	92.10	354.20	10,671.9	4,393.5	-263.3	4,401.4	2.45	1.20	-2.13
14,949.0	92.90	353.40	10,667.8	4,487.9	-273.5	4,496.2	1.19	0.84	-0.84
15,044.0	93.50	352.50	10,662.5	4,582.0	-285.2	4,590.8	1.14	0.63	-0.95
15,140.0	94.50	351.90	10,655.8	4,676.9	-298.2	4,686.3	1.21	1.04	-0.63
15,179.0	94.70	351.70	10,652.7	4,715.4	-303.7	4,725.0	0.72	0.51	-0.51
15,190.0	94.70	351.70	10,651.8	4,726.2	-305.3	4,735.9	0.00	0.00	0.00
15190' Projection to Bit									

Stryker Directional Survey Report

Company: Mewbourne Oil Company	Local Co-ordinate Reference: Well Scharb 10 B3NC State #1H	
Project: Lea County N.M.	TVD Reference: 3857 + 20 @ 3877.0usft (Patterson # 80)	
Site: Section 10-19S-34E Scharb 10 NC State #1H	MD Reference: 3857 + 20 @ 3877.0usft (Patterson # 80)	
Well: Scharb 10 B3NC State #1H	North Reference: Grid	
Wellbore: Original Hole	Survey Calculation Method: Minimum Curvature	
Design: Original Hole	Database: Stryker_EDM	

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
9,950.0	9,948.8	31.1	-30.9	9950' MD VES Gyro
15,190.0	10,651.8	4,726.2	-305.3	15190' Projection to Bit



COMPANY: Mewbourne Oil Company
 WELL: Scharb 10 B3NC State #1H
 COUNTY: Lea County N.M.
 DATUM: NAD 1927 (NADCON CONUS)
 RIG: Patterson # 80

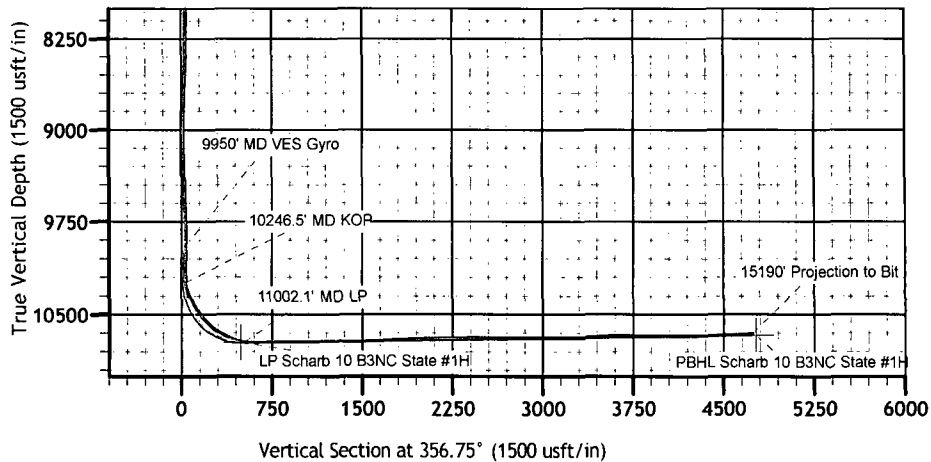
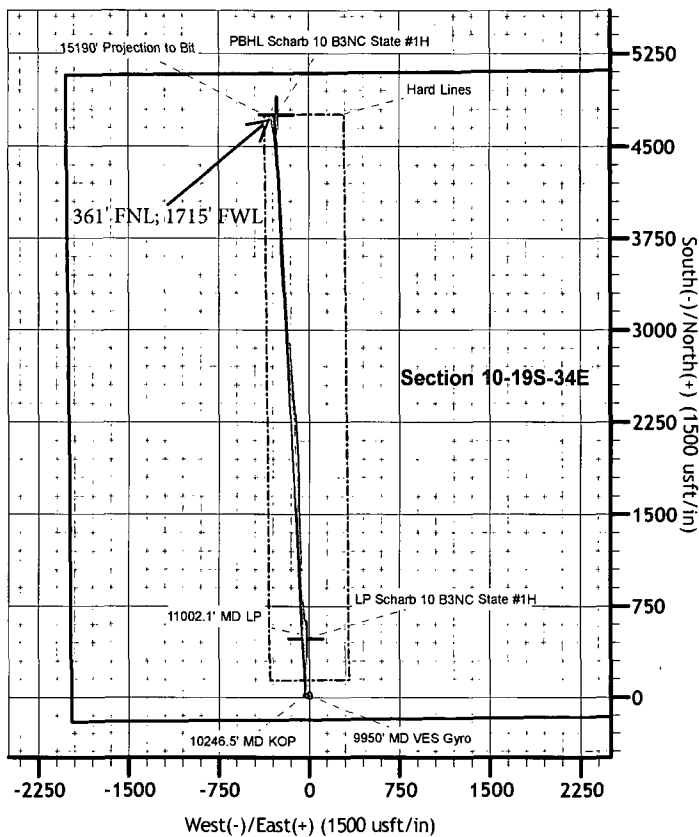
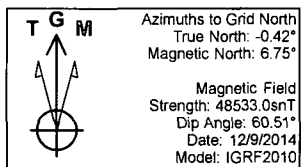


GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 6.75°

OFFICE: 936.582.7296

GEODETTIC ZONE: New Mexico East 3001							
3857 + 20 @ 3877 0usft (Patterson # 80)							
GROUND ELEVATION: 3857.0							
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot	
0.0	0.0	607594.00	741124.40	32° 40' 4.547 N	103° 32' 59.195 W		

PLAN SECTIONS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	9950.0	1.13	83.59	9948.8	31.1	-30.9	0.00	0.00	32.8	
2	10246.5	1.13	83.59	10245.2	31.8	-25.1	0.00	0.00	33.1	
3	11002.1	90.74	356.91	10722.0	515.2	-41.7	12.00	-86.66	516.7	
4	15252.6	90.74	356.91	10667.0	4759.1	-270.6	0.00	0.00	4766.8	PBHL Scharb 10 B3NC State #1H



HOBBSOCD

MAR 19 2015

Stryker Directional
Scharb 10 B3NC State #1H

RECEIVED

Company: Mewbourne Oil Company
Project: Lea County N.M.
Site: Section 10-18S-34E Scharb 10 NC State #1H
Well: Scharb 10 B3NC State #1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Scharb 10 B3NC State #1H
TVD Reference: 3857 + 20 @ 3877.0usft (Patterson # 80)
MD Reference: 3857 + 20 @ 3877.0usft (Patterson # 80)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Project	Lea County N.M.		
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	Section 10-18S-34E Scharb 10 NC State #1H		
Site Position:		Northing:	607,594.00 usft
From: Map		Easting:	741,124.40 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 40' 4.547 N
		Longitude:	103° 32' 59.195 W
		Grid Convergence:	0.42 "

Well	Scharb 10 B3NC State #1H		
Well Position	+N/-S	0.0 usft	Northing: 607,594.00 usft
	+E/-W	0.0 usft	Easting: 741,124.40 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft
		Latitude:	32° 40' 4.547 N
		Longitude:	103° 32' 59.195 W
		Ground Level:	3,857.0 usft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/9/2014	7.18	60.51	48,533

Design	Original Hole				
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	356.75	

Stryker Directional
Scharb 10 B3NC State #1H

Company: Mewbourne Oil Company
Project: Lea County N.M.
Site: Section 10-19S-34E Scharb 10 NC State #1H
Well: Scharb 10 B3NC State #1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Scharb 10 B3NC State #1H
TVD Reference: 3857 + 20 @ 3877.0usft (Patterson # 80)
MD Reference: 3857 + 20 @ 3877.0usft (Patterson # 80)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Survey Program Date 2/11/2015

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	9,950.0	Ves Gyro Survey (Original Hole)	MWD	MWD v3:standard declination
10,020.0	15,190.0	MWD Survey (Original Hole)	MWD	MWD v3:standard declination

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)
9,950.0	1.13	83.59	9,948.8	31.1	-30.9	32.8	43.8	315.19	0.00
10,020.0	1.40	116.20	10,018.8	30.8	-29.4	32.4	42.6	316.29	1.08
10,115.0	1.20	118.50	10,113.8	29.8	-27.5	31.3	40.6	317.28	0.22
10,179.0	3.30	0.20	10,177.7	31.3	-26.9	32.8	41.3	319.32	6.27
10,210.0	8.40	349.20	10,208.6	34.5	-27.4	38.0	44.0	321.55	16.77
10,242.0	14.20	149.10	10,240.3	33.4	-25.8	34.8	42.2	322.34	69.60
10,274.0	17.80	353.00	10,271.8	34.9	-24.3	36.2	42.5	325.15	97.81
10,305.0	20.20	356.40	10,301.1	44.9	-25.2	46.3	51.5	330.70	8.52
10,337.0	22.40	357.60	10,330.9	56.6	-25.8	57.9	62.2	335.48	7.01
10,369.0	24.80	356.20	10,360.3	69.3	-26.5	70.7	74.2	339.07	7.70
10,400.0	27.40	355.90	10,388.1	82.9	-27.5	84.4	87.4	341.68	8.40
10,432.0	29.50	354.20	10,416.2	98.1	-28.8	99.8	102.3	343.65	7.03
10,464.0	31.80	352.10	10,443.8	114.3	-30.7	115.9	118.4	344.95	7.93
10,496.0	34.80	352.80	10,470.5	131.7	-33.0	133.4	135.8	345.92	9.45
10,528.0	37.50	354.80	10,496.3	150.5	-35.1	152.2	154.5	346.88	9.21
10,559.0	40.00	356.20	10,520.5	169.8	-36.6	171.6	173.7	347.84	8.55
10,591.0	42.90	358.10	10,544.5	191.0	-37.6	192.8	194.7	348.85	9.88
10,623.0	46.00	0.20	10,567.3	213.4	-38.0	215.2	216.7	349.92	10.72
10,654.0	49.10	1.40	10,588.3	236.3	-37.6	238.0	239.2	350.95	10.40
10,686.0	52.60	1.90	10,608.5	261.1	-36.9	262.7	263.7	351.95	11.00
10,718.0	55.50	1.50	10,627.3	287.0	-36.1	288.5	289.2	352.82	9.12

Stryker Directional
Scharb 10 B3NC State #1H

Company: Mewbourne Oil Company
Project: Lea County N.M.
Site: Section 10-19S-34E Scharb 10 NC State #1H
Well: Scharb 10 B3NC State #1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Scharb 10 B3NC State #1H
TVD Reference: 3857 + 20 @ 3877.0usft (Patterson # 80)
MD Reference: 3857 + 20 @ 3877.0usft (Patterson # 80)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)
10,750.0	58.40	0.90	10,644.7	313.8	-35.6	315.3	315.8	353.53	9.20
10,781.0	60.80	1.30	10,660.4	340.5	-35.1	341.9	342.3	354.12	7.82
10,813.0	64.20	0.60	10,675.2	368.9	-34.6	370.2	370.5	354.64	10.80
10,845.0	68.00	359.90	10,688.1	398.1	-34.5	399.4	399.6	355.05	12.04
10,877.0	71.80	358.40	10,699.1	428.2	-34.9	429.5	429.6	355.34	12.66
10,909.0	75.90	357.80	10,708.0	458.9	-35.9	460.2	460.3	355.52	12.94
10,941.0	79.50	358.00	10,714.8	490.1	-37.1	491.4	491.5	355.67	11.27
10,972.0	83.00	358.70	10,719.6	520.7	-38.0	522.1	522.1	355.83	11.51
11,004.0	87.10	356.90	10,722.3	552.6	-39.2	553.9	554.0	355.94	13.98
11,064.0	91.30	354.20	10,723.2	612.4	-43.9	613.9	614.0	355.90	8.32
11,159.0	91.80	353.40	10,720.6	706.8	-54.1	708.7	708.9	355.62	0.99
11,255.0	90.70	355.10	10,718.5	802.3	-63.7	804.6	804.8	355.46	2.11
11,350.0	90.60	356.60	10,717.4	897.0	-70.6	899.6	899.8	355.50	1.58
11,445.0	91.50	358.00	10,715.7	991.9	-75.1	994.6	994.7	355.67	1.75
11,540.0	90.40	358.30	10,714.1	1,086.8	-78.1	1,089.5	1,089.6	355.89	1.20
11,635.0	91.40	357.70	10,712.6	1,181.8	-81.5	1,184.5	1,184.6	356.06	1.23
11,730.0	88.90	358.20	10,712.4	1,276.7	-84.9	1,279.5	1,279.5	356.20	2.68
11,826.0	88.70	357.50	10,714.4	1,372.6	-88.5	1,375.4	1,375.5	356.31	0.76
11,921.0	90.50	358.80	10,715.0	1,467.6	-91.5	1,470.4	1,470.4	356.43	2.34
12,016.0	92.10	359.60	10,712.9	1,562.5	-92.8	1,565.3	1,565.3	356.60	1.88
12,111.0	92.60	359.10	10,709.0	1,657.4	-93.9	1,660.1	1,660.1	356.76	0.74
12,207.0	92.90	358.70	10,704.4	1,753.3	-95.8	1,755.9	1,755.9	356.87	0.52
12,302.0	93.40	358.00	10,699.1	1,848.1	-98.5	1,850.7	1,850.7	356.95	0.90
12,397.0	90.10	357.50	10,696.2	1,943.0	-102.2	1,945.7	1,945.7	356.99	3.51
12,492.0	90.50	356.90	10,695.8	2,037.9	-106.9	2,040.6	2,040.7	357.00	0.76
12,587.0	91.20	356.40	10,694.3	2,132.7	-112.4	2,135.6	2,135.7	356.98	0.91
12,682.0	91.70	355.50	10,691.9	2,227.4	-119.1	2,230.6	2,230.6	356.94	1.08

Stryker Directional
Scharb 10 B3NC State #1H

Company: Mewbourne Oil Company
Project: Lea County N.M.
Site: Section 10-18S-34E Scharb 10 NC State #1H
Well: Scharb 10 B3NC State #1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Scharb 10 B3NC State #1H
TVD Reference: 3857 + 20 @ 3877.0usft (Patterson # 80)
MD Reference: 3857 + 20 @ 3877.0usft (Patterson # 80)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg ("/100usft)
12,777.0	89.80	355.00	10,690.7	2,322.1	-127.0	2,325.6	2,325.6	356.87	2.07
12,872.0	90.40	354.40	10,690.5	2,416.7	-135.8	2,420.5	2,420.5	356.78	0.89
12,968.0	89.70	355.90	10,690.4	2,512.3	-143.9	2,516.4	2,516.4	356.72	1.72
13,064.0	90.10	355.50	10,690.6	2,608.1	-151.1	2,612.4	2,612.4	356.68	0.59
13,159.0	90.50	354.70	10,690.1	2,702.7	-159.2	2,707.4	2,707.4	356.63	0.94
13,254.0	90.00	356.50	10,689.7	2,797.4	-166.5	2,802.4	2,802.4	356.59	1.97
13,349.0	89.60	354.60	10,690.0	2,892.1	-173.8	2,897.3	2,897.4	356.56	2.04
13,445.0	90.30	355.50	10,690.1	2,987.8	-182.1	2,993.3	2,993.3	356.51	1.19
13,540.0	90.10	354.60	10,689.8	3,082.4	-190.3	3,088.3	3,088.3	356.47	0.97
13,635.0	89.30	355.50	10,690.3	3,177.1	-198.5	3,183.2	3,183.3	356.42	1.27
13,731.0	92.00	356.60	10,689.2	3,272.8	-205.1	3,279.2	3,279.2	356.41	3.04
13,826.0	93.10	356.80	10,685.0	3,367.5	-211.4	3,374.1	3,374.1	356.41	1.43
13,921.0	94.20	355.10	10,678.9	3,462.0	-218.9	3,468.9	3,468.9	356.38	1.37
14,017.0	92.50	357.50	10,673.3	3,557.6	-225.1	3,564.7	3,564.8	356.38	3.06
14,112.0	90.20	357.80	10,671.1	3,652.5	-229.2	3,659.6	3,659.7	356.41	2.42
14,207.0	89.00	358.50	10,671.7	3,747.5	-232.4	3,754.6	3,754.7	356.45	1.58
14,303.0	89.60	357.70	10,672.9	3,843.4	-235.6	3,850.6	3,850.6	356.49	1.04
14,398.0	88.70	358.70	10,674.3	3,938.3	-238.6	3,945.5	3,945.6	356.53	1.42
14,494.0	89.40	357.90	10,675.9	4,034.3	-241.4	4,041.5	4,041.5	356.58	1.11
14,589.0	90.10	357.30	10,676.3	4,129.2	-245.4	4,136.5	4,136.5	356.60	0.97
14,684.0	90.70	356.60	10,675.7	4,224.1	-250.5	4,231.5	4,231.5	356.61	0.97
14,779.0	91.20	356.80	10,674.1	4,318.8	-256.8	4,326.5	4,326.5	356.60	0.99
14,854.0	92.10	354.20	10,671.9	4,393.5	-263.3	4,401.4	4,401.4	356.57	2.45
14,949.0	92.90	353.40	10,667.8	4,487.9	-273.5	4,496.2	4,496.2	356.51	1.19
15,044.0	93.50	352.50	10,662.5	4,582.0	-285.2	4,590.8	4,590.9	356.44	1.14
15,140.0	94.50	351.90	10,655.8	4,676.9	-298.2	4,686.3	4,686.4	356.35	1.21
15,179.0	94.70	351.70	10,652.7	4,715.4	-303.7	4,725.0	4,725.1	356.31	0.72

Stryker Directional
Scharb 10 B3NC State #1H

Company: Mewbourne Oil Company
Project: Lea County N.M.
Site: Section 10-19S-34E Scharb 10 NC State #1H
Well: Scharb 10 B3NC State #1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Scharb 10 B3NC State #1H
TVD Reference: 3857 + 20 @ 3877.0usft (Patterson # 80)
MD Reference: 3857 + 20 @ 3877.0usft (Patterson # 80)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Survey

MD (usft)	Inc (")	Azi (azimuth) (")	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	Closure Distance (usft)	Closure Azimuth (")	DLeg ("/100usft)
15,190.0	94.70	351.70	10,651.8	4,726.2	-305.3	4,735.9	4,736.1	356.30	0.00

15190' Projection to Bit

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N-S (usft)	+E-W (usft)	
15,190.0	10,651.8	4,726.2	-305.3	15190' Projection to Bit