



HOBBS OGD

SEP 02 2015

RECEIVED

Mewbourne Oil Company

Lea County, NM

Scharb 10 MD State No. 1H

No. 1H

Original Hole

Design: Original Hole

EOW Report

07 July, 2015



SEP 14 2015



Mewbourne Oil Company
Project: Lea County, NM
Site: Scharb 10 MD State No. 1H
Well: No. 1H
Wellbore: Original Hole
Design: Plan #2
Lat: 32° 40' 4.518 N
Long: 103° 33' 14.166 W
Pad GL: 3845.00
KB: WELL @ 3865.00usft (Patterson 250)

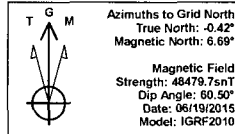


SECTION DETAILS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSeet	
9771.00	0.55	16.28	9769.25	80.69	-18.12	0.00	0.00	81.65	
10267.50	0.55	16.28	10265.73	85.27	-16.78	0.00	0.00	88.13	
11020.45	90.87	356.62	10738.62	569.23	-43.79	12.00	-19.65	570.84	
15215.97	90.87	356.62	10675.00	4756.98	-290.88	0.00	0.00	4765.86	

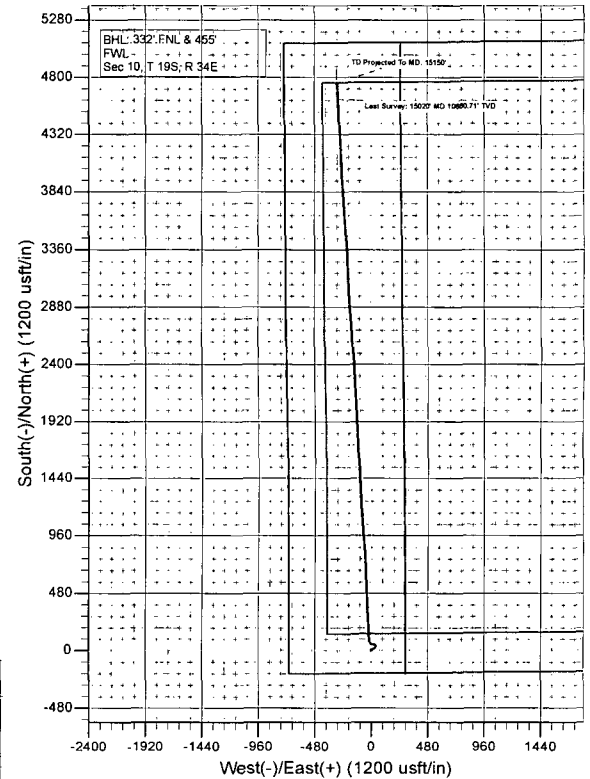
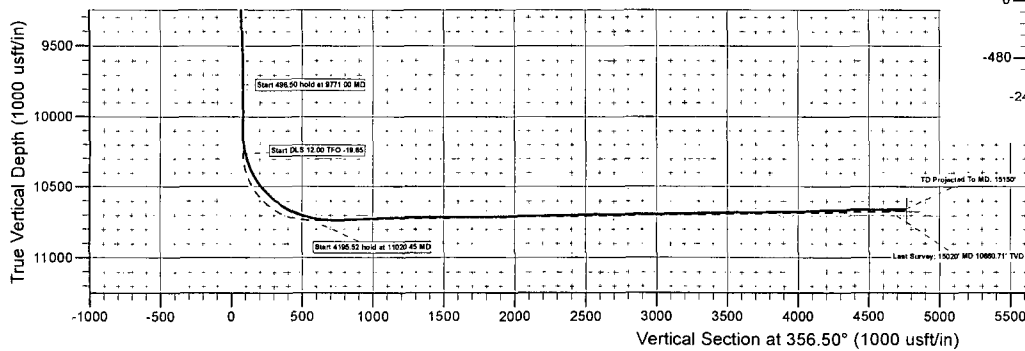
WELL DETAILS: No. 1H									
+N/-S	+E/-W	Northing	Ground Level:	3845.00	Latitude	Longitude			
0.00	0.00	607581.60	Easting	739844.70	32° 40' 4.518 N	103° 33' 14.166 W			

DESIGN TARGET DETAILS									
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude		
Scharb No. 1H TD/BHL	10675.00	4756.98	-290.88	612338.46	739563.83	32° 40' 51.607 N	103° 33' 17.160 W		

PROJECT DETAILS: Lea County, NM
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



NOTE: All Lease lines and Hard lines are estimates only and are subject to the customers' approval.



Plan: Plan #2 (No. 1H/Original Hole)
Created By: Chris LeMaster Date: 9:26, July 07 2015

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well No. 1H
Project:	Lea County, NM	TVD Reference:	WELL @ 3865.00usft (Patterson 250)
Site:	Scharb 10 MD State No. 1H	MD Reference:	WELL @ 3865.00usft (Patterson 250)
Well:	No. 1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Inwell

Project	Lea County, NM		
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		Using geodetic scale factor

Site	Scharb 10 MD State No. 1H				
Site Position:		Northing:	607,581.60 usft	Latitude:	32° 40' 4.518 N
From:	Map	Easting:	739,844.70 usft	Longitude:	103° 33' 14.166 W
Position Uncertainty:	3.30 usft	Slot Radius:	13-3/16"	Grid Convergence:	0.42 °

Well	No. 1H					
Well Position	+N/-S	0.00 usft	Northing:	607,581.60 usft	Latitude:	32° 40' 4.518 N
	+E/-W	0.00 usft	Easting:	739,844.70 usft	Longitude:	103° 33' 14.166 W
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,845.00 usft	

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	06/19/15	7.11	60.50	48,480

Design	Original Hole				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	356.50	

Survey Program	Date 07/07/15				
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.00	9,771.00	Gyro (Original Hole)	CB-GYRO-MS	Camera based gyro multishot	
9,837.00	15,150.00	MWD (Original Hole)	MWD	MWD - Standard	

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)
	0.00		0.00	0.00	0.00	0.00	0.00	0.00
	100.00	0.36	312.72	100.00	0.23	0.21	-0.23	0.36
	200.00	0.35	351.90	200.00	0.76	0.73	-0.50	0.24
	300.00	0.30	10.47	300.00	1.32	1.29	-0.50	0.12
	400.00	0.21	151.32	400.00	1.40	1.39	-0.36	0.48
	500.00	0.17	261.97	500.00	1.23	1.20	-0.42	0.31
	600.00	0.25	28.50	599.99	1.40	1.37	-0.47	0.38
	700.00	0.41	159.51	699.99	1.24	1.23	-0.24	0.60
	800.00	0.26	238.85	799.99	0.80	0.78	-0.31	0.44
	900.00	0.16	13.71	899.99	0.82	0.80	-0.47	0.39
	1,000.00	0.38	87.29	999.99	0.95	0.95	-0.10	0.37

Company: Mewbourne Oil Company
Project: Lea County, NM
Site: Scharb 10 MD State No. 1H
Well: No. 1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well No. 1H
TVD Reference: WELL @ 3865.00usft (Patterson 250)
MD Reference: WELL @ 3865.00usft (Patterson 250)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Inwell

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)
1,100.00	0.30	184.64	1,099.99	0.69	0.70	0.21	0.51
1,200.00	0.25	259.01	1,199.99	0.40	0.40	-0.03	0.33
1,300.00	0.25	21.17	1,299.99	0.57	0.56	-0.16	0.44
1,400.00	0.28	94.64	1,399.99	0.73	0.75	0.16	0.32
1,500.00	0.16	169.31	1,499.99	0.56	0.59	0.43	0.28
1,600.00	0.26	290.33	1,599.99	0.51	0.53	0.24	0.37
1,700.00	0.50	23.79	1,699.99	0.99	1.01	0.20	0.58
1,800.00	0.49	51.85	1,799.98	1.63	1.67	0.72	0.24
1,900.00	0.20	24.41	1,899.98	2.02	2.10	1.13	0.33
2,000.00	0.39	18.40	1,999.98	2.49	2.58	1.31	0.19
2,100.00	0.68	359.32	2,099.97	3.40	3.49	1.41	0.34
2,200.00	0.95	31.84	2,199.96	4.67	4.79	1.84	0.52
2,300.00	0.28	54.74	2,299.96	5.47	5.64	2.47	0.70
2,400.00	0.43	14.57	2,399.96	5.96	6.14	2.77	0.28
2,500.00	0.78	32.69	2,499.95	6.87	7.08	3.23	0.39
2,600.00	0.22	46.46	2,599.95	7.54	7.78	3.74	0.57
2,700.00	0.49	53.95	2,699.94	7.89	8.17	4.22	0.27
2,800.00	1.78	79.22	2,799.92	8.32	8.71	6.09	1.35
2,900.00	2.36	69.38	2,899.86	9.12	9.72	9.54	0.68
3,000.00	2.82	61.05	2,999.76	10.79	11.64	13.62	0.59
3,100.00	2.74	67.27	3,099.64	12.63	13.75	17.98	0.31
3,200.00	2.88	51.96	3,199.52	14.84	16.23	22.16	0.76
3,300.00	2.44	49.78	3,299.41	17.54	19.15	25.77	0.45
3,400.00	1.74	52.55	3,399.34	19.66	21.45	28.60	0.71
3,500.00	1.53	39.57	3,499.30	21.48	23.40	30.65	0.42
3,600.00	1.17	42.94	3,599.28	23.16	25.17	32.20	0.37
3,700.00	1.50	41.51	3,699.25	24.79	26.90	33.76	0.33
3,800.00	1.29	36.66	3,799.22	26.58	28.78	35.30	0.24
3,900.00	1.84	51.05	3,899.18	28.37	30.70	37.22	0.67
4,000.00	1.09	34.25	3,999.15	30.05	32.49	39.01	0.86
4,100.00	0.96	11.04	4,099.13	31.61	34.10	39.70	0.43
4,200.00	0.94	18.08	4,199.12	33.19	35.70	40.12	0.12
4,300.00	0.45	1.87	4,299.11	34.34	36.88	40.39	0.52
4,400.00	0.78	1.32	4,399.11	35.41	37.95	40.41	0.33
4,500.00	0.57	342.84	4,499.10	36.57	39.10	40.28	0.30
4,600.00	0.54	334.23	4,599.09	37.49	40.00	39.93	0.09
4,700.00	1.01	334.79	4,699.09	38.75	41.23	39.35	0.47
4,800.00	0.46	328.94	4,799.08	39.92	42.37	38.77	0.55
4,900.00	0.65	331.01	4,899.07	40.79	43.21	38.29	0.19
5,000.00	0.53	291.08	4,999.07	41.49	43.87	37.58	0.42
5,100.00	0.68	326.70	5,099.06	42.20	44.53	36.82	0.40
5,200.00	0.26	254.44	5,199.06	42.67	44.97	36.28	0.65
5,300.00	0.75	299.50	5,299.06	42.98	45.23	35.49	0.60
5,400.00	0.68	298.28	5,399.05	43.65	45.83	34.40	0.07

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well No. 1H
Project:	Lea County, NM	TVD Reference:	WELL @ 3865.00usft (Patterson 250)
Site:	Scharb 10 MD State No. 1H	MD Reference:	WELL @ 3865.00usft (Patterson 250)
Well:	No. 1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Inwell

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)
5,500.00	0.15	0.36	5,499.04	44.09	46.24	33.88	0.62
5,600.00	0.64	329.87	5,599.04	44.72	46.86	33.60	0.52
5,700.00	0.55	301.06	5,699.04	45.49	47.59	32.91	0.31
5,800.00	0.55	304.09	5,799.03	46.06	48.10	32.10	0.03
5,900.00	0.19	265.26	5,899.03	46.34	48.36	31.53	0.42
6,000.00	0.75	319.96	5,999.03	46.87	48.85	30.95	0.66
6,100.00	1.05	311.81	6,099.01	48.04	49.96	29.84	0.33
6,200.00	1.48	278.19	6,198.99	48.96	50.75	27.88	0.84
6,300.00	1.72	293.18	6,298.95	49.89	51.53	25.22	0.48
6,400.00	1.39	270.59	6,398.92	50.65	52.13	22.63	0.69
6,500.00	1.34	271.54	6,498.89	50.84	52.18	20.25	0.05
6,600.00	1.23	264.13	6,598.86	50.90	52.10	18.01	0.20
6,700.00	1.27	265.56	6,698.84	50.84	51.90	15.84	0.05
6,800.00	0.68	306.54	6,798.83	51.20	52.17	14.26	0.88
6,900.00	1.22	272.38	6,898.81	51.69	52.57	12.72	0.76
7,000.00	1.08	278.85	6,998.79	52.00	52.76	10.72	0.19
7,100.00	1.24	262.79	7,098.77	52.13	52.77	8.72	0.36
7,200.00	1.00	293.20	7,198.75	52.46	52.97	6.84	0.63
7,300.00	0.46	256.26	7,298.75	52.78	53.22	5.65	0.69
7,400.00	0.75	274.04	7,398.74	52.79	53.17	4.61	0.34
7,500.00	0.86	280.47	7,498.73	53.06	53.36	3.22	0.14
7,600.00	0.70	258.95	7,598.72	53.16	53.37	1.88	0.33
7,700.00	1.07	283.72	7,698.71	53.36	53.48	0.37	0.52
7,800.00	0.29	266.99	7,798.70	53.63	53.69	-0.79	0.80
7,900.00	0.36	287.99	7,898.70	53.75	53.77	-1.34	0.14
8,000.00	0.33	336.53	7,998.70	54.14	54.13	-1.75	0.28
8,100.00	0.68	24.13	8,098.69	54.93	54.94	-1.62	0.52
8,200.00	0.75	102.67	8,198.69	55.28	55.34	-0.74	0.91
8,300.00	0.22	200.67	8,298.69	54.92	55.01	-0.17	0.81
8,400.00	0.88	335.59	8,398.68	55.46	55.53	-0.56	1.05
8,500.00	0.86	290.94	8,498.67	56.49	56.50	-1.57	0.66
8,600.00	1.42	315.73	8,598.65	57.74	57.65	-3.14	0.73
8,700.00	1.31	297.80	8,698.62	59.27	59.08	-5.02	0.44
8,800.00	1.42	289.35	8,798.60	60.35	60.02	-7.20	0.23
8,900.00	1.49	339.70	8,898.57	62.07	61.65	-8.82	1.24
9,000.00	1.34	341.01	8,998.54	64.44	63.97	-9.65	0.15
9,100.00	1.94	313.24	9,098.50	66.80	66.24	-11.26	0.98
9,200.00	2.20	309.57	9,198.43	69.35	68.62	-13.97	0.29
9,300.00	1.60	337.93	9,298.38	71.98	71.14	-15.98	1.10
9,400.00	1.65	339.34	9,398.34	74.68	73.78	-17.01	0.06
9,500.00	1.73	344.92	9,498.29	77.53	76.58	-17.91	0.18
9,600.00	1.22	7.91	9,598.26	80.06	79.10	-18.16	0.77
9,700.00	0.20	316.52	9,698.25	81.23	80.28	-18.13	1.11
9,771.00	0.55	16.28	9,769.25	81.65	80.69	-18.12	0.68
9,837.00	1.10	48.80	9,835.25	82.33	81.41	-17.56	1.06

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Well:	No. 1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Inwell

Survey							
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)
9,932.00	0.80	50.50	9,930.23	83.28	82.44	-16.36	0.32
10,027.00	0.40	9.10	10,025.23	84.00	83.19	-15.79	0.60
10,122.00	0.80	318.90	10,120.22	84.84	84.01	-16.18	0.66
10,154.00	0.90	333.30	10,152.22	85.25	84.41	-16.44	0.73
10,185.00	4.30	353.90	10,183.18	86.64	85.78	-16.67	11.20
10,217.00	8.40	353.90	10,214.98	90.17	89.30	-17.05	12.81
10,248.00	12.00	353.50	10,245.48	95.65	94.75	-17.65	11.62
10,280.00	15.20	356.30	10,276.58	103.17	102.25	-18.30	10.21
10,312.00	17.80	355.80	10,307.26	112.26	111.31	-18.93	8.14
10,343.00	20.30	354.30	10,336.56	122.37	121.39	-19.81	8.22
10,375.00	23.30	355.20	10,366.27	134.25	133.22	-20.89	9.43
10,407.00	26.20	356.60	10,395.33	147.65	146.59	-21.84	9.25
10,438.00	29.40	358.10	10,422.75	162.10	161.03	-22.50	10.57
10,470.00	32.10	359.00	10,450.25	178.45	177.38	-22.91	8.56
10,501.00	34.90	358.10	10,476.09	195.54	194.48	-23.34	9.17
10,533.00	38.30	356.40	10,501.78	214.62	213.53	-24.27	11.09
10,565.00	42.30	355.50	10,526.18	235.31	234.17	-25.74	12.63
10,596.00	45.20	355.30	10,548.57	256.74	255.54	-27.46	9.37
10,628.00	48.50	355.50	10,570.46	280.08	278.81	-29.33	10.32
10,660.00	51.10	355.80	10,591.11	304.52	303.18	-31.18	8.16
10,692.00	53.20	356.20	10,610.74	329.78	328.38	-32.94	6.64
10,723.00	56.30	356.80	10,628.63	355.09	353.65	-34.49	10.12
10,755.00	59.00	357.70	10,645.75	382.12	380.65	-35.78	8.77
10,787.00	61.30	358.10	10,661.68	409.87	408.38	-36.80	7.27
10,818.00	65.00	358.80	10,675.68	437.50	436.02	-37.54	12.10
10,850.00	69.10	358.80	10,688.15	466.94	465.48	-38.16	12.81
10,882.00	70.80	358.20	10,699.12	496.98	495.53	-38.95	5.60
10,913.00	73.40	357.50	10,708.65	526.47	525.00	-40.05	8.66
10,945.00	77.00	356.60	10,716.82	557.40	555.89	-41.65	11.57
10,976.00	78.10	355.90	10,723.51	587.67	586.10	-43.63	4.18
11,035.00	83.80	357.30	10,732.79	645.91	644.24	-47.08	9.94
11,067.00	86.80	358.20	10,735.41	677.79	676.10	-48.33	9.78
11,098.00	88.60	358.60	10,736.65	708.75	707.06	-49.19	5.95
11,130.00	90.50	358.00	10,736.90	740.73	739.05	-50.14	6.23
11,162.00	90.90	357.40	10,736.51	772.72	771.02	-51.43	2.25
11,193.00	92.60	356.10	10,735.56	803.70	801.95	-53.18	6.90
11,225.00	93.10	355.50	10,733.97	835.66	833.83	-55.52	2.44
11,320.00	93.30	354.50	10,728.67	930.48	928.32	-63.79	1.07
11,415.00	93.10	354.60	10,723.37	1,025.28	1,022.74	-72.80	0.24
11,509.00	92.00	355.40	10,719.19	1,119.15	1,116.29	-80.98	1.45
11,604.00	91.00	355.90	10,716.70	1,214.10	1,210.98	-88.18	1.18
11,699.00	90.20	356.90	10,715.70	1,309.10	1,305.78	-94.15	1.35
11,794.00	90.20	356.30	10,715.37	1,404.10	1,400.62	-99.78	0.63
11,889.00	90.10	357.20	10,715.12	1,499.09	1,495.46	-105.17	0.95

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Project: Lea County, NM
Site: Scharb 10 MD State No. 1H
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Wellbore: Original Hole
Design: Original Hole

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TVD Reference: WELL @ 3865.00usft (Patterson 250)
MD Reference: WELL @ 3865.00usft (Patterson 250)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)
11,984.00	90.60	356.80	10,714.54	1,594.09	1,590.33	-110.14	0.67
12,079.00	90.70	358.00	10,713.47	1,689.07	1,685.22	-114.45	1.27
12,174.00	91.30	357.70	10,711.81	1,784.03	1,780.14	-118.01	0.71
12,269.00	91.50	356.90	10,709.49	1,878.99	1,875.01	-122.49	0.87
12,364.00	91.30	357.40	10,707.17	1,973.95	1,969.86	-127.21	0.57
12,459.00	90.80	358.20	10,705.42	2,068.91	2,064.77	-130.86	0.99
12,554.00	90.70	357.80	10,704.18	2,163.87	2,159.71	-134.17	0.43
12,649.00	91.10	357.30	10,702.69	2,258.84	2,254.61	-138.23	0.67
12,744.00	91.80	356.80	10,700.28	2,353.81	2,349.45	-143.12	0.91
12,839.00	91.90	356.10	10,697.22	2,448.76	2,444.22	-149.00	0.74
12,935.00	90.90	356.50	10,694.87	2,544.73	2,539.99	-155.19	1.12
13,030.00	90.20	356.30	10,693.96	2,639.72	2,634.80	-161.16	0.77
13,124.00	90.30	355.90	10,693.55	2,733.72	2,728.58	-167.55	0.44
13,219.00	90.40	355.30	10,692.97	2,828.70	2,823.30	-174.84	0.64
13,314.00	90.30	356.30	10,692.39	2,923.69	2,918.04	-181.79	1.06
13,409.00	91.60	356.30	10,690.81	3,018.68	3,012.83	-187.92	1.37
13,504.00	91.20	356.80	10,688.49	3,113.65	3,107.62	-193.64	0.67
13,599.00	90.90	357.40	10,686.75	3,208.63	3,202.49	-198.44	0.71
13,694.00	91.30	357.10	10,684.93	3,303.60	3,297.36	-203.00	0.53
13,789.00	90.70	357.10	10,683.27	3,398.58	3,392.22	-207.81	0.63
13,883.00	90.90	356.80	10,681.96	3,492.57	3,486.08	-212.81	0.38
13,978.00	91.00	356.20	10,680.38	3,587.56	3,580.89	-218.61	0.64
14,073.00	90.60	355.20	10,679.06	3,682.54	3,675.61	-225.73	1.13
14,168.00	91.00	354.90	10,677.73	3,777.50	3,770.25	-233.93	0.53
14,262.00	90.10	356.00	10,676.83	3,871.47	3,863.94	-241.38	1.51
14,357.00	92.10	357.20	10,675.00	3,966.45	3,958.75	-247.02	2.45
14,452.00	93.30	357.10	10,670.53	4,061.34	4,053.53	-251.73	1.27
14,546.00	91.70	356.90	10,666.43	4,155.24	4,147.31	-256.65	1.72
14,641.00	90.70	357.60	10,664.44	4,250.21	4,242.18	-261.20	1.28
14,736.00	91.30	357.50	10,662.78	4,345.18	4,337.07	-265.27	0.64
14,831.00	90.20	357.60	10,661.54	4,440.15	4,431.98	-269.33	1.16
14,925.00	89.90	357.30	10,661.46	4,534.14	4,525.88	-273.51	0.45
15,020.00	91.00	356.90	10,660.71	4,629.13	4,620.76	-278.31	1.23
Last Survey: 15020' MD 10660.71' TVD							
15,150.00	91.00	356.90	10,658.44	4,759.11	4,750.55	-285.34	0.00

TD Projected To MD: 15150' - Scharb No. 1H TD/PBHL

Company: Mewbourne Oil Company
Project: Lea County, NM
Site: Scharb 10 MD State No. 1H
Well: No. 1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well No. 1H
TVD Reference: WELL @ 3865.00usft (Patterson 250)
MD Reference: WELL @ 3865.00usft (Patterson 250)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Inwell

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
15,020.00	10,660.71	4,620.76	-278.31	Last Survey: 15020' MD 10660.71' TVD
15,150.00	10,658.44	4,750.55	-285.34	TD Projected To MD: 15150'

Checked By: _____ Approved By: _____ Date: _____



July 6, 2015

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

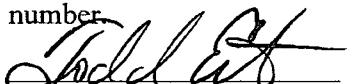
Attn: Jackie Lathan

Re: Mewbourne Oil Company
Scharb 10 B3MD State #001H
Quail Ridge; Bone Spring
Lea County, New Mexico
API# 30-025-42521

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>
Chris Alley	Original Hole	Surface to 9,771 ft.	06-28-2015	Gyro 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

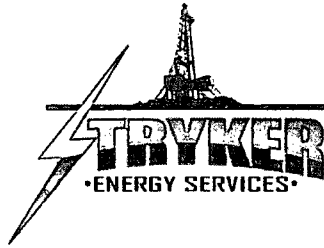
CC:

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 B3MD State #1H\M151074

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



July 6, 2015

Survey Certification Report

STATE OF TEXAS

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 June 28, 2015, conduct or supervise the taking of a SEDS Gyro Survey from Surface to a depth of 9,771 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 B3MD State #001H well, API # **30-025-42521** 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

STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.

STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.

P.O. Box 1250

Montgomery, TX 77356

Office (936) 582-7296 * Fax (936)-588-4163

Mewbourne Oil Company .

Lea County N.M.

Section 10-19S-34E Scharb 10 B3MD State #1H

Scharb 10 N

Original Hole

Design: Original Hole

Scharb 10 B3MD State #1H

02 July, 2015

Stryker Directional

Scharb 10 B3MD State #1H

Company:	Mewbourne Oil Company.	Local Co-ordinate Reference:	Well Scharb 10 N
Project:	Lea County N.M.	TVD Reference:	Mean Sea Level (System)
Site:	Section 10-19S-34E Scharb 10 B3MD State #1H	MD Reference:	Mean Sea Level (System)
Well:	Scharb 10 N	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 B3MD State #1H		
Site Position:		Northing:	0.00 usft
From:	None	Easting:	0.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	0° 0' 0.000 N
		Longitude:	0° 0' 0.000 E
		Grid Convergence:	0.00 °

Well	Scharb 10 N					
Well Position	+N/-S	0.0 usft	Northing:	0.00 usft	Latitude:	30° 59' 24.512 N
	+E/-W	0.0 usft	Easting:	0.00 usft	Longitude:	105° 55' 44.137 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	0.0 usft	

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	User Defined	7/2/2015	6.69	0.00	0

Design:		Original Hole		
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	5.50

Survey Program	Date	7/2/2015		
From	To	Survey (Wellbore)	Tool Name	Description
(usft)	(usft)			
100.0	9,771.0	Stryker Gyro Survey (Original Hole)	SRG-GYRO-MS	surface readout gyro multishot

Stryker Directional

Scharb 10 B3MD State #1H

Company: Mewbourne Oil Company Project: Lea County N.M. Site: Section 10-19S-34E Scharb 10 B3MD State #1H Well: Scharb 10 N Wellbore: Original Hole Design: Original Hole	Local Co-ordinate Reference: Well Scharb 10 N TVD Reference: Mean Sea Level (System) MD Reference: Mean Sea Level (System) North Reference: Grid Survey Calculation Method: Minimum Curvature Database: Stryker_EDM
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Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	N/S (usft)	E/W (usft)	TVD (usft)	V. Sec (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.00	0.00
100.0	0.36	312.72	0.2	-0.2	100.0	0.2	0.3	312.72	0.36
200.0	0.35	351.90	0.7	-0.5	200.0	0.7	0.9	325.29	0.24
300.0	0.30	10.47	1.3	-0.5	300.0	1.2	1.4	338.79	0.12
400.0	0.21	151.32	1.4	-0.4	400.0	1.3	1.4	345.25	0.48
500.0	0.17	261.97	1.2	-0.4	500.0	1.2	1.3	340.61	0.31
600.0	0.25	28.50	1.4	-0.5	600.0	1.3	1.5	341.26	0.38
700.0	0.41	159.51	1.2	-0.2	700.0	1.2	1.3	349.10	0.60
800.0	0.26	238.85	0.8	-0.3	800.0	0.7	0.8	338.55	0.44
900.0	0.16	13.71	0.8	-0.5	900.0	0.7	0.9	329.63	0.39
1,000.0	0.38	87.29	0.9	-0.1	1,000.0	0.9	1.0	353.82	0.37
1,100.0	0.30	184.64	0.7	0.2	1,100.0	0.7	0.7	16.44	0.51
1,200.0	0.25	259.01	0.4	0.0	1,200.0	0.4	0.4	356.01	0.33
1,300.0	0.25	21.17	0.6	-0.2	1,300.0	0.5	0.6	343.80	0.44
1,400.0	0.28	94.64	0.7	0.2	1,400.0	0.8	0.8	12.03	0.32
1,500.0	0.16	169.31	0.6	0.4	1,500.0	0.6	0.7	36.03	0.28
1,600.0	0.26	290.33	0.5	0.2	1,600.0	0.6	0.6	24.48	0.37
1,700.0	0.50	23.79	1.0	0.2	1,700.0	1.0	1.0	11.48	0.58
1,800.0	0.49	51.85	1.7	0.7	1,800.0	1.7	1.8	23.21	0.24
1,900.0	0.20	24.41	2.1	1.1	1,900.0	2.2	2.4	28.24	0.33
2,000.0	0.39	18.40	2.6	1.3	2,000.0	2.7	2.9	26.86	0.19
2,100.0	0.68	359.32	3.5	1.4	2,100.0	3.6	3.8	21.92	0.34
2,200.0	0.95	31.84	4.8	1.8	2,200.0	4.9	5.1	20.96	0.52
2,300.0	0.28	54.74	5.6	2.5	2,300.0	5.8	6.2	23.69	0.70
2,400.0	0.43	14.57	6.1	2.8	2,400.0	6.4	6.7	24.25	0.28
2,500.0	0.78	32.69	7.1	3.2	2,500.0	7.4	7.8	24.52	0.39
2,600.0	0.22	46.46	7.8	3.7	2,599.9	8.1	8.6	25.64	0.57

Stryker Directional

Scharb 10 B3MD State #1H

Company: Mewbourne Oil Company
Project: Lea County N.M.
Site: Section 10-19S-34E Scharb 10 B3MD State #1H
Well: Scharb 10 N
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Scharb 10 N
TVD Reference: Mean Sea Level (System)
MD Reference: Mean Sea Level (System)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	N/S (usft)	E/W (usft)	TVD (usft)	V. Sec (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)
2,700.0	0.49	53.95	8.2	4.2	2,699.9	8.5	9.2	27.33	0.27
2,800.0	1.78	79.22	8.7	6.1	2,799.9	9.3	10.6	34.98	1.35
2,900.0	2.36	69.38	9.7	9.5	2,899.9	10.6	13.6	44.47	0.68
3,000.0	2.82	61.05	11.6	13.6	2,999.8	12.9	17.9	49.49	0.59
3,100.0	2.74	67.27	13.8	18.0	3,099.6	15.4	22.6	52.59	0.31
3,200.0	2.88	51.96	16.2	22.2	3,199.5	18.3	27.5	53.79	0.76
3,300.0	2.44	49.78	19.1	25.8	3,299.4	21.5	32.1	53.39	0.45
3,400.0	1.74	52.55	21.4	28.6	3,399.3	24.1	35.7	53.14	0.71
3,500.0	1.53	39.57	23.4	30.7	3,499.3	26.2	38.6	52.65	0.42
3,600.0	1.17	42.94	25.2	32.2	3,599.3	28.1	40.9	51.98	0.37
3,700.0	1.50	41.51	26.9	33.8	3,699.2	30.0	43.2	51.45	0.33
3,800.0	1.29	36.66	28.8	35.3	3,799.2	32.0	45.6	50.81	0.24
3,900.0	1.84	51.05	30.7	37.2	3,899.2	34.1	48.2	50.49	0.67
4,000.0	1.09	34.25	32.5	39.0	3,999.1	36.1	50.8	50.21	0.86
4,100.0	0.96	11.04	34.1	39.7	4,099.1	37.7	52.3	49.34	0.43
4,200.0	0.94	18.08	35.7	40.1	4,199.1	39.4	53.7	48.33	0.12
4,300.0	0.45	1.87	36.9	40.4	4,299.1	40.6	54.7	47.60	0.52
4,400.0	0.78	1.32	37.9	40.4	4,399.1	41.6	55.4	46.80	0.33
4,500.0	0.57	342.84	39.1	40.3	4,499.1	42.8	56.1	45.85	0.30
4,600.0	0.54	334.23	40.0	39.9	4,599.1	43.6	56.5	44.95	0.09
4,700.0	1.01	334.79	41.2	39.4	4,699.1	44.8	57.0	43.67	0.47
4,800.0	0.46	328.94	42.4	38.8	4,799.1	45.9	57.4	42.46	0.55
4,900.0	0.65	331.01	43.2	38.3	4,899.1	46.7	57.7	41.55	0.19
5,000.0	0.53	291.08	43.9	37.6	4,999.1	47.3	57.8	40.58	0.42
5,100.0	0.68	326.70	44.5	36.8	5,099.1	47.9	57.8	39.59	0.40
5,200.0	0.26	254.44	45.0	36.3	5,199.1	48.2	57.8	38.90	0.65
5,300.0	0.75	299.50	45.2	35.5	5,299.1	48.4	57.5	38.12	0.60

Stryker Directional
Scharb 10 B3MD State #1H

Company: Mewbourne Oil Company
Project: Lea County N.M.
Site: Section 10-19S-34E Scharb 10 B3MD State #1H
Well: Scharb 10 N
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Scharb 10 N
TVD Reference: Mean Sea Level (System)
MD Reference: Mean Sea Level (System)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	N/S (usft)	E/W (usft)	TVD (usft)	V. Sec (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)
5,400.0	0.68	298.28	45.8	34.4	5,399.0	48.9	57.3	36.89	0.07
5,500.0	0.15	0.36	46.2	33.9	5,499.0	49.3	57.3	36.23	0.62
5,600.0	0.64	329.87	46.9	33.6	5,599.0	49.9	57.7	35.64	0.52
5,700.0	0.55	301.06	47.6	32.9	5,699.0	50.5	57.9	34.66	0.31
5,800.0	0.55	304.09	48.1	32.1	5,799.0	51.0	57.8	33.71	0.03
5,900.0	0.19	265.26	48.4	31.5	5,899.0	51.2	57.7	33.11	0.42
6,000.0	0.75	319.96	48.8	30.9	5,999.0	51.6	57.8	32.36	0.66
6,100.0	1.05	311.81	50.0	29.8	6,099.0	52.6	58.2	30.85	0.33
6,200.0	1.48	278.19	50.8	27.9	6,199.0	53.2	57.9	28.78	0.84
6,300.0	1.72	293.18	51.5	25.2	6,299.0	53.7	57.4	26.08	0.48
6,400.0	1.39	270.59	52.1	22.6	6,398.9	54.1	56.8	23.47	0.69
6,500.0	1.34	271.54	52.2	20.3	6,498.9	53.9	56.0	21.21	0.05
6,600.0	1.23	264.13	52.1	18.0	6,598.9	53.6	55.1	19.07	0.20
6,700.0	6,698.84	53.18	9.5	-41.0	6,623.7	5.5	42.0	283.06	140.10
6,800.0	0.68	306.54	-32.8	-99.6	6,649.1	-42.2	104.9	251.78	140.96
6,900.0	1.22	272.38	-32.4	-101.2	6,749.1	-41.9	106.2	252.25	0.76
7,000.0	1.08	278.85	-32.2	-103.1	6,849.1	-41.9	108.1	252.67	0.19
7,100.0	1.24	262.79	-32.2	-105.2	6,949.0	-42.1	110.0	252.98	0.36
7,200.0	1.00	293.20	-32.0	-107.0	7,049.0	-42.1	111.7	253.37	0.63
7,300.0	0.46	256.26	-31.7	-108.2	7,149.0	-42.0	112.8	253.66	0.69
7,400.0	0.75	274.04	-31.8	-109.3	7,249.0	-42.1	113.8	253.78	0.34
7,500.0	0.86	280.47	-31.6	-110.7	7,349.0	-42.1	115.1	254.06	0.14
7,600.0	0.70	258.95	-31.6	-112.0	7,449.0	-42.2	116.4	254.25	0.33
7,700.0	1.07	283.72	-31.5	-113.5	7,549.0	-42.2	117.8	254.50	0.52
7,800.0	0.29	266.99	-31.3	-114.7	7,649.0	-42.1	118.8	254.75	0.80
7,900.0	0.36	287.99	-31.2	-115.2	7,749.0	-42.1	119.4	254.86	0.14
8,000.0	0.33	336.53	-30.8	-115.6	7,849.0	-41.8	119.7	255.08	0.28

Stryker Directional

Scharb 10 B3MD State #1H

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Scharb 10 N
Project:	Lea County N.M.	TVD Reference:	Mean Sea Level (System)
Site:	Section 10-19S-34E Scharb 10 B3MD State #1H	MD Reference:	Mean Sea Level (System)
Well:	Scharb 10 N	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	N/S (usft)	E/W (usft)	TVD (usft)	V. Sec (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg, (%/100usft)	
8,100.0	0.68	24.13	-30.0	-115.5	7,949.0	-40.9	119.3	255.43	0.52	
8,200.0	0.75	102.67	-29.6	-114.6	8,049.0	-40.5	118.4	255.51	0.91	
8,300.0	0.22	200.67	-29.9	-114.0	8,149.0	-40.7	117.9	255.29	0.81	
8,400.0	0.88	335.59	-29.4	-114.4	8,248.9	-40.3	118.2	255.58	1.05	
8,500.0	0.86	290.94	-28.5	-115.4	8,348.9	-39.4	118.9	256.16	0.66	
8,600.0	1.42	315.73	-27.3	-117.0	8,448.9	-38.4	120.2	256.87	0.73	
8,700.0	1.31	297.80	-25.9	-118.9	8,548.9	-37.2	121.7	257.72	0.44	
8,800.0	1.42	289.35	-24.9	-121.1	8,648.9	-36.4	123.6	258.36	0.23	
8,900.0	1.49	339.70	-23.3	-122.7	8,748.8	-35.0	124.9	259.25	1.24	
9,000.0	1.34	341.01	-21.0	-123.5	8,848.8	-32.7	125.3	260.36	0.15	
9,100.0	1.94	313.24	-18.7	-125.1	8,948.8	-30.6	126.5	261.50	0.98	
9,200.0	2.20	309.57	-16.3	-127.8	9,048.7	-28.5	128.9	262.72	0.29	
9,300.0	1.60	337.93	-13.8	-129.9	9,148.6	-26.2	130.6	263.93	1.10	
9,400.0	1.65	339.34	-11.2	-130.9	9,248.6	-23.7	131.4	265.12	0.06	
9,500.0	1.73	344.92	-8.4	-131.8	9,348.6	-21.0	132.1	266.37	0.18	
9,600.0	1.22	7.91	-5.9	-132.0	9,448.5	-18.5	132.2	267.46	0.77	
9,700.0	0.20	316.52	-4.7	-132.0	9,548.5	-17.3	132.1	267.97	1.11	
9,771.0	0.55	16.28	-4.3	-132.0	9,619.5	-16.9	132.1	268.15	0.68	
9771' Stryker Gyro Survey										

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/S (usft)	+E/W (usft)	
9,771.0	9,619.5	-4.3	-132.0	9771' Stryker Gyro Survey