

30-025-41984



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°

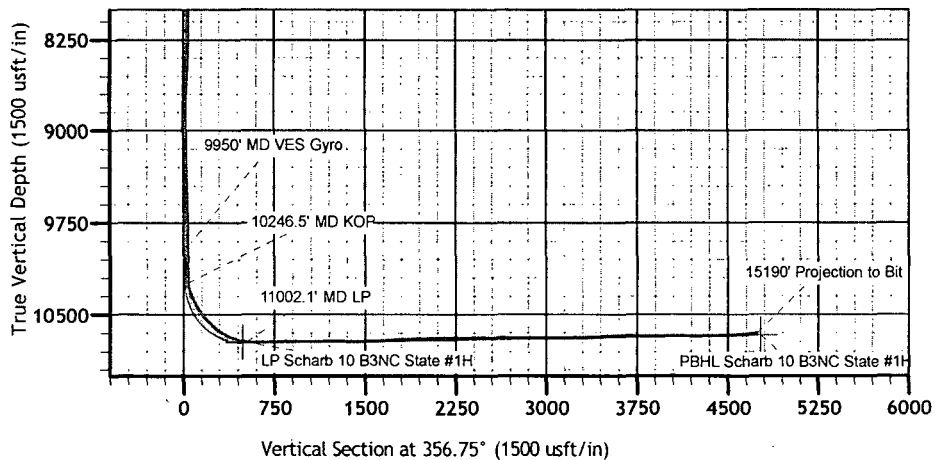
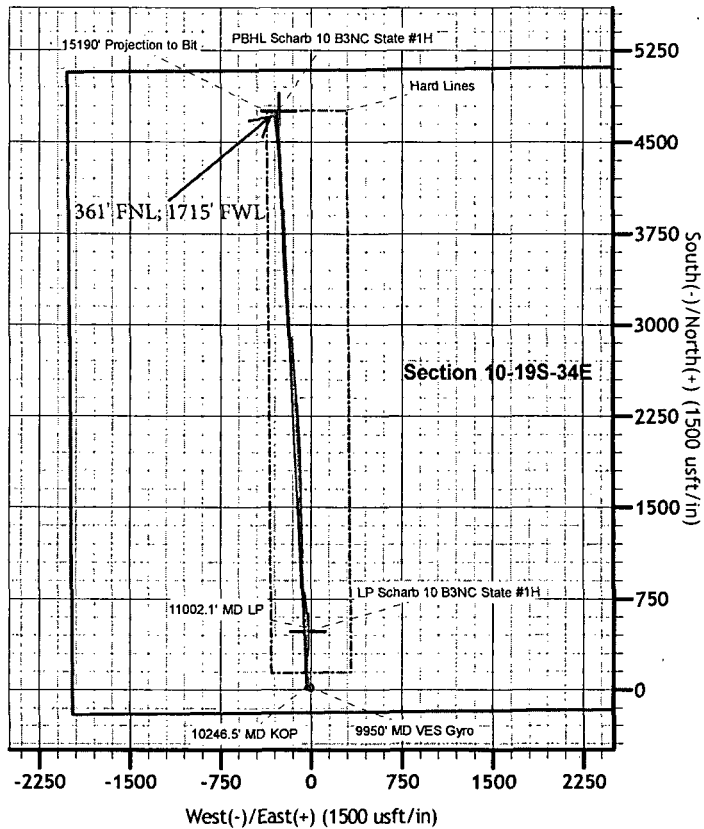
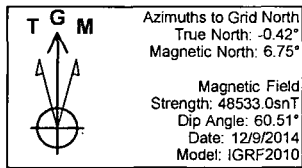
OFFICE: 936.582.7296

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	VSec	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



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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

30-025-41986

Design: Original Hole

Standard Survey Report

11 February, 2015

dm

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

Design	Original Hole				
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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	356.75

Survey Program	Date	From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
	2/11/2015	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	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

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)
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
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)	
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	

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)
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