



NM OIL CONSERVATION
ARTESIA DISTRICT

DEC 10 2015

RECEIVED

3001542948

Mewbourne Oil Company .

Eddy County, New Mexico

Section 3-24S-28E Yardbirds 3 D3BO Fee #1H

Yardbirds 3 D3BO Fee #1H

Original Hole

Design: Original Hole

Standard Survey Report

31 July, 2015

Provide signature page for Survey





Stryker Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Yardbirds 3 D3BO Fee #1H
Project:	Eddy County, New Mexico	TVD Reference:	3023 +20 @ 3043.0usft (Patterson)
Site:	Section 3-24S-28E Yardbirds 3 D3BO Fee #1H	MD Reference:	3023 +20 @ 3043.0usft (Patterson)
Well:	Yardbirds 3 D3BO Fee #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

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	Section 3-24S-28E Yardbirds 3 D3BO Fee #1H			
Site Position:		Northing:	456,084.00 usft	Latitude: 32° 15' 13.043 N
From:	Map	Easting:	580,551.70 usft	Longitude: 104° 4' 21.955 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.14 °

Well	Yardbirds 3 D3BO Fee #1H			
Well Position	+N/-S	0.0 usft	Northing:	456,084.00 usft
	+E/-W	0.0 usft	Easting:	580,551.70 usft
Position Uncertainty	0.0 usft		Wellhead Elevation:	0.0 usft
			Ground Level:	3,023.0 usft

Wellbore	Original Hole			
-----------------	---------------	--	--	--

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	4/1/2015	7.42	60.03	48,132

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	180.90

Survey Program	Date 7/31/2015			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	5,478.0	VES Gyro Survey #1 (Original Hole)	NSG-CT_WL	Continuous north-seeking gyro on wireline
5,524.0	10,535.0	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	0.78	276.94	100.0	0.1	-0.7	-0.1	0.78	0.78	0.00
200.0	0.97	273.47	200.0	0.2	-2.2	-0.2	0.20	0.19	-3.47
300.0	0.99	257.52	300.0	0.1	-3.9	0.0	0.27	0.02	-15.95
400.0	1.29	253.59	400.0	-0.4	-5.8	0.5	0.31	0.30	-3.93
500.0	1.18	242.05	499.9	-1.2	-7.8	1.3	0.27	-0.11	-11.54
600.0	1.24	227.77	599.9	-2.4	-9.5	2.6	0.31	0.06	-14.28
700.0	1.21	218.51	699.9	-4.0	-11.0	4.2	0.20	-0.03	-9.26
800.0	1.18	216.79	799.9	-5.6	-12.2	5.8	0.05	-0.03	-1.72
900.0	1.28	217.94	899.8	-7.3	-13.5	7.6	0.10	0.10	1.15



Stryker Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Yardbirds 3 D3BO Fee #1H
Project:	Eddy County, New Mexico	TVD Reference:	3023 +20 @ 3043.0usft (Patterson)
Site:	Section 3-24S-28E Yardbirds 3 D3BO Fee #1H	MD Reference:	3023 +20 @ 3043.0usft (Patterson)
Well:	Yardbirds 3 D3BO Fee #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	1.08	221.61	999.8	-8.9	-14.9	9.2	0.21	-0.20	3.67
1,100.0	1.29	220.66	1,099.8	-10.5	-16.2	10.7	0.21	0.21	-0.95
1,200.0	1.81	240.38	1,199.8	-12.1	-18.3	12.4	0.74	0.52	19.72
1,300.0	1.54	299.62	1,299.7	-12.2	-20.9	12.6	1.67	-0.27	59.24
1,400.0	1.72	40.03	1,399.7	-10.4	-21.1	10.8	2.51	0.18	100.41
1,500.0	1.45	77.82	1,499.7	-9.0	-18.9	9.3	1.06	-0.27	37.79
1,600.0	0.96	132.23	1,599.6	-9.3	-17.0	9.6	1.18	-0.49	54.41
1,700.0	1.23	154.05	1,699.6	-10.8	-15.9	11.1	0.49	0.27	21.82
1,800.0	1.10	186.87	1,799.6	-12.8	-15.6	13.0	0.67	-0.13	32.82
1,900.0	1.56	196.00	1,899.6	-15.0	-16.1	15.3	0.51	0.46	9.13
2,000.0	0.75	174.74	1,999.6	-17.0	-16.4	17.2	0.90	-0.81	-21.26
2,100.0	0.69	154.76	2,099.6	-18.2	-16.1	18.4	0.26	-0.06	-19.98
2,200.0	0.24	130.94	2,199.5	-18.9	-15.6	19.1	0.48	-0.45	-23.82
2,300.0	0.62	120.53	2,299.5	-19.3	-15.0	19.5	0.39	0.38	-10.41
2,400.0	1.22	121.36	2,399.5	-20.1	-13.6	20.3	0.60	0.60	0.83
2,500.0	1.45	129.11	2,499.5	-21.4	-11.7	21.6	0.29	0.23	7.75
2,600.0	1.24	130.47	2,599.5	-22.9	-9.9	23.1	0.21	-0.21	1.36
2,700.0	1.23	134.09	2,699.5	-24.4	-8.3	24.5	0.08	-0.01	3.62
2,800.0	1.13	135.97	2,799.4	-25.9	-6.9	26.0	0.11	-0.10	1.88
2,900.0	0.86	135.95	2,899.4	-27.1	-5.7	27.2	0.27	-0.27	-0.02
3,000.0	0.97	139.65	2,999.4	-28.3	-4.6	28.4	0.12	0.11	3.70
3,100.0	1.01	138.64	3,099.4	-29.6	-3.5	29.6	0.04	0.04	-1.01
3,200.0	1.07	136.05	3,199.4	-30.9	-2.3	31.0	0.08	0.06	-2.59
3,300.0	1.04	135.14	3,299.4	-32.2	-1.0	32.3	0.03	-0.03	-0.91
3,400.0	0.88	138.65	3,399.3	-33.5	0.2	33.5	0.17	-0.16	3.51
3,500.0	0.64	147.31	3,499.3	-34.5	1.0	34.5	0.27	-0.24	8.66
3,600.0	0.46	157.97	3,599.3	-35.3	1.4	35.3	0.21	-0.18	10.66
3,700.0	0.39	175.46	3,699.3	-36.1	1.6	36.0	0.15	-0.07	17.49
3,800.0	0.36	170.59	3,799.3	-36.7	1.7	36.7	0.04	-0.03	-4.87
3,900.0	0.33	190.50	3,899.3	-37.3	1.7	37.3	0.12	-0.03	19.91
4,000.0	0.24	209.43	3,999.3	-37.8	1.5	37.7	0.13	-0.09	18.93
4,100.0	0.39	212.46	4,099.3	-38.2	1.3	38.2	0.15	0.15	3.03
4,200.0	0.28	225.07	4,199.3	-38.7	0.9	38.7	0.13	-0.11	12.61
4,300.0	0.30	230.10	4,299.3	-39.0	0.5	39.0	0.03	0.02	5.03
4,400.0	0.40	219.62	4,399.3	-39.5	0.1	39.5	0.12	0.10	-10.48
4,500.0	0.36	234.05	4,499.3	-39.9	-0.4	39.9	0.10	-0.04	14.43
4,600.0	0.30	251.11	4,599.3	-40.2	-0.9	40.2	0.11	-0.06	17.06
4,700.0	0.52	246.83	4,699.3	-40.5	-1.5	40.5	0.22	0.22	-4.28
4,800.0	0.69	250.76	4,799.3	-40.8	-2.5	40.9	0.17	0.17	3.93
4,900.0	1.06	246.28	4,899.3	-41.4	-3.9	41.5	0.38	0.37	-4.48
5,000.0	0.74	249.38	4,999.3	-42.0	-5.4	42.1	0.32	-0.32	3.10
5,100.0	0.96	234.34	5,099.3	-42.7	-6.7	42.8	0.31	0.22	-15.04
5,200.0	0.90	243.42	5,199.3	-43.6	-8.1	43.7	0.16	-0.06	9.08



Stryker Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Yardbirds 3 D3BO Fee #1H
Project:	Eddy County, New Mexico	TVD Reference:	3023 +20 @ 3043.0usft (Patterson)
Site:	Section 3-24S-28E Yardbirds 3 D3BO Fee #1H	MD Reference:	3023 +20 @ 3043.0usft (Patterson)
Well:	Yardbirds 3 D3BO Fee #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	0.90	245.58	5,299.2	-44.2	-9.5	44.4	0.03	0.00	2.16
5,400.0	0.75	239.55	5,399.2	-44.9	-10.8	45.1	0.17	-0.15	-6.03
5,478.0	0.89	251.04	5,477.2	-45.3	-11.8	45.5	0.28	0.18	14.73
5478' MD VES Gyro									
5,524.0	0.80	250.00	5,523.2	-45.6	-12.4	45.8	0.20	-0.20	-2.26
5,555.0	1.80	200.80	5,554.2	-46.1	-12.8	46.3	4.56	3.23	-158.71
5,587.0	6.00	187.60	5,586.1	-48.2	-13.2	48.4	13.34	13.13	-41.25
5,619.0	11.30	186.00	5,617.8	-53.0	-13.7	53.2	16.58	16.56	-5.00
5,650.0	16.20	188.30	5,647.9	-60.3	-14.7	60.5	15.90	15.81	7.42
5,682.0	20.20	190.10	5,678.2	-70.2	-16.3	70.4	12.62	12.50	5.63
5,714.0	23.20	189.00	5,708.0	-81.8	-18.2	82.1	9.46	9.38	-3.44
5,745.0	25.90	187.00	5,736.2	-94.6	-20.0	94.9	9.11	8.71	-6.45
5,777.0	28.70	185.40	5,764.6	-109.2	-21.6	109.5	9.04	8.75	-5.00
5,809.0	31.70	185.00	5,792.3	-125.2	-23.1	125.6	9.40	9.38	-1.25
5,841.0	34.80	184.70	5,819.0	-142.7	-24.5	143.1	9.70	9.69	-0.94
5,872.0	36.70	183.10	5,844.2	-160.8	-25.8	161.1	6.83	6.13	-5.16
5,904.0	38.50	180.90	5,869.5	-180.3	-26.4	180.7	7.02	5.63	-6.88
5,936.0	40.10	178.30	5,894.3	-200.5	-26.3	200.9	7.17	5.00	-8.13
5,968.0	41.50	179.10	5,918.5	-221.4	-25.8	221.8	4.67	4.38	2.50
5,999.0	43.90	182.10	5,941.3	-242.5	-26.0	242.8	10.15	7.74	9.68
6,031.0	47.30	183.80	5,963.7	-265.3	-27.2	265.7	11.28	10.63	5.31
6,063.0	50.30	184.10	5,984.8	-289.3	-28.9	289.7	9.40	9.38	0.94
6,095.0	53.10	183.90	6,004.6	-314.3	-30.6	314.8	8.76	8.75	-0.63
6,127.0	56.40	182.50	6,023.1	-340.4	-32.1	340.9	10.91	10.31	-4.38
6,158.0	59.30	180.40	6,039.6	-366.7	-32.8	367.1	10.97	9.35	-6.77
6,190.0	61.60	178.80	6,055.3	-394.5	-32.6	395.0	8.40	7.19	-5.00
6,222.0	64.70	178.10	6,069.8	-423.0	-31.8	423.5	9.88	9.69	-2.19
6,254.0	68.50	179.80	6,082.5	-452.4	-31.2	452.8	12.84	11.88	5.31
6,285.0	72.80	181.80	6,092.8	-481.6	-31.7	482.1	15.15	13.87	6.45
6,285.9	72.90	181.81	6,093.0	-482.5	-31.7	482.9	11.60	11.56	0.95
LP Yardbirds 3 D3BO Fee #1H									
6,317.0	76.50	182.10	6,101.2	-512.5	-32.7	512.9	11.60	11.56	0.94
6,349.0	78.50	180.70	6,108.2	-543.7	-33.5	544.2	7.57	6.25	-4.38
6,381.0	80.80	179.60	6,113.9	-575.2	-33.6	575.6	7.94	7.19	-3.44
6,412.0	84.60	179.20	6,117.8	-605.9	-33.2	606.4	12.32	12.26	-1.29
6,444.0	89.00	179.00	6,119.6	-637.9	-32.7	638.3	13.76	13.75	-0.63
6,480.0	90.80	179.30	6,119.7	-673.8	-32.2	674.3	5.07	5.00	0.83
6,511.0	91.30	179.10	6,119.1	-704.8	-31.8	705.3	1.74	1.61	-0.65
6,572.0	90.50	178.10	6,118.2	-765.8	-30.3	766.2	2.10	-1.31	-1.64
6,634.0	88.90	179.10	6,118.5	-827.8	-28.8	828.1	3.04	-2.58	1.61
6,695.0	88.60	178.20	6,119.8	-888.8	-27.3	889.1	1.55	-0.49	-1.48
6,757.0	88.70	180.00	6,121.3	-950.7	-26.4	951.0	2.91	0.16	2.90
6,821.0	89.10	179.60	6,122.5	-1,014.7	-26.1	1,015.0	0.88	0.63	-0.63
6,884.0	89.80	178.70	6,123.1	-1,077.7	-25.2	1,078.0	1.81	1.11	-1.43



Stryker Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Yardbirds 3 D3BO Fee #1H
Project:	Eddy County, New Mexico	TVD Reference:	3023 +20 @ 3043.0usft (Patterson)
Site:	Section 3-24S-28E Yardbirds 3 D3BO Fee #1H	MD Reference:	3023 +20 @ 3043.0usft (Patterson)
Well:	Yardbirds 3 D3BO Fee #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)
6,947.0	89.70	179.80	6,123.4	-1,140.7	-24.4	1,140.9	1.75	-0.16	1.75
7,011.0	90.00	179.70	6,123.6	-1,204.7	-24.1	1,204.9	0.49	0.47	-0.16
7,075.0	91.10	181.90	6,122.9	-1,268.7	-25.0	1,268.9	3.84	1.72	3.44
7,169.0	89.40	182.70	6,122.5	-1,362.6	-28.8	1,362.9	2.00	-1.81	0.85
7,264.0	90.50	182.80	6,122.6	-1,457.5	-33.3	1,457.8	1.16	1.16	0.11
7,359.0	89.30	182.20	6,122.8	-1,552.4	-37.5	1,552.8	1.41	-1.26	-0.63
7,453.0	88.60	181.40	6,124.5	-1,646.3	-40.4	1,646.8	1.13	-0.74	-0.85
7,548.0	89.60	182.00	6,126.0	-1,741.3	-43.2	1,741.7	1.23	1.05	0.63
7,643.0	88.80	182.20	6,127.3	-1,836.2	-46.7	1,836.7	0.87	-0.84	0.21
7,737.0	88.00	180.90	6,130.0	-1,930.1	-49.3	1,930.7	1.62	-0.85	-1.38
7,832.0	89.80	181.40	6,131.8	-2,025.1	-51.2	2,025.6	1.97	1.89	0.53
7,927.0	89.50	181.20	6,132.4	-2,120.1	-53.3	2,120.6	0.38	-0.32	-0.21
8,021.0	90.90	182.50	6,132.0	-2,214.0	-56.3	2,214.6	2.03	1.49	1.38
8,116.0	91.00	183.10	6,130.5	-2,308.9	-61.0	2,309.6	0.64	0.11	0.63
8,211.0	92.10	184.00	6,127.9	-2,403.7	-66.9	2,404.4	1.50	1.16	0.95
8,306.0	89.50	183.50	6,126.6	-2,498.4	-73.1	2,499.3	2.79	-2.74	-0.53
8,401.0	86.10	179.80	6,130.2	-2,593.3	-75.8	2,594.2	5.29	-3.58	-3.89
8,496.0	89.20	180.30	6,134.1	-2,688.2	-75.9	2,689.1	3.31	3.26	0.53
8,591.0	89.20	180.60	6,135.4	-2,783.2	-76.6	2,784.1	0.32	0.00	0.32
8,686.0	88.70	180.30	6,137.2	-2,878.2	-77.4	2,879.0	0.61	-0.53	-0.32
8,781.0	89.20	181.10	6,138.9	-2,973.2	-78.5	2,974.0	0.99	0.53	0.84
8,876.0	89.50	181.10	6,140.0	-3,068.1	-80.4	3,069.0	0.32	0.32	0.00
8,971.0	88.20	180.50	6,141.9	-3,163.1	-81.7	3,164.0	1.51	-1.37	-0.63
9,065.0	90.80	181.00	6,142.7	-3,257.1	-82.9	3,258.0	2.82	2.77	0.53
9,161.0	91.60	180.70	6,140.7	-3,353.1	-84.4	3,354.0	0.89	0.83	-0.31
9,256.0	92.20	181.60	6,137.6	-3,448.0	-86.3	3,448.9	1.14	0.63	0.95
9,350.0	89.80	180.90	6,135.9	-3,541.9	-88.3	3,542.9	2.66	-2.55	-0.74
9,445.0	87.70	179.50	6,138.0	-3,636.9	-88.6	3,637.8	2.66	-2.21	-1.47
9,540.0	88.70	179.60	6,141.0	-3,731.9	-87.9	3,732.8	1.06	1.05	0.11
9,635.0	89.20	179.60	6,142.7	-3,826.8	-87.2	3,827.7	0.53	0.53	0.00
9,730.0	87.80	179.50	6,145.2	-3,921.8	-86.5	3,922.7	1.48	-1.47	-0.11
9,825.0	86.90	178.50	6,149.6	-4,016.7	-84.8	4,017.5	1.42	-0.95	-1.05
9,920.0	88.10	178.90	6,153.7	-4,111.6	-82.7	4,112.4	1.33	1.26	0.42
10,015.0	93.10	178.10	6,152.7	-4,206.5	-80.2	4,207.2	5.33	5.26	-0.84
10,110.0	90.20	177.40	6,150.0	-4,301.4	-76.5	4,302.0	3.14	-3.05	-0.74
10,205.0	89.80	176.50	6,150.0	-4,396.2	-71.4	4,396.8	1.04	-0.42	-0.95
10,300.0	90.00	175.20	6,150.2	-4,491.0	-64.5	4,491.4	1.38	0.21	-1.37
10,389.0	86.30	173.00	6,153.0	-4,579.4	-55.4	4,579.7	4.84	-4.16	-2.47
10,490.0	83.60	172.00	6,161.9	-4,679.2	-42.3	4,679.3	2.85	-2.67	-0.99
10,533.0	83.60	172.00	6,166.7	-4,721.5	-36.3	4,721.5	0.00	0.00	0.00
PBHL Yardbirds 3 D3BO Fee#1H									
10,535.0	83.60	172.00	6,166.9	-4,723.5	-36.0	4,723.4	0.00	0.00	0.00
10535' MD Projected to Bit									



Stryker Directional Survey Report



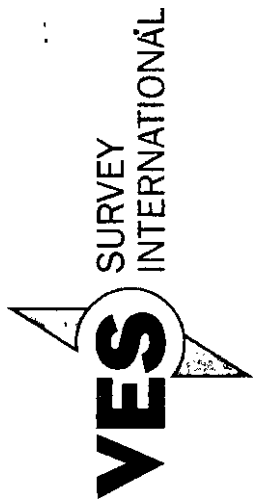
Company:	Mewbourne Oil Company .	Local Co-ordinate Reference:	Well Yardbirds 3 D3BO Fee #1H
Project:	Eddy County, New Mexico	TVD Reference:	3023 +20 @ 3043.0usft (Patterson)
Site:	Section 3-24S-28E Yardbirds 3 D3BO Fee #1H	MD Reference:	3023 +20 @ 3043.0usft (Patterson)
Well:	Yardbirds 3 D3BO Fee #1H	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)

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
5,478.0	5,477.2	-45.3	-11.8	5478' MD VES Gyro
10,535.0	6,166.9	-4,723.5	-36.0	10535' MD Projected to Bit



Company: Mewbourne Oil Company
Lease/Well: Yardbirds 3 D3BO Fee No/001H



Rig Name: Patterson 36
State/County: New Mexico/Eddy
VS-Azi: 0.00 Degrees
Latitude: 32.25362, Longitude: -104.07270
Grid North = True North -0.14 degs

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: gyrosurvey-de_01.ut
Minimum Curvature Method
Report Date/Time: 7/24/2015 / 15:14

VES Survey International
Gardendale, TX
432-563-5444

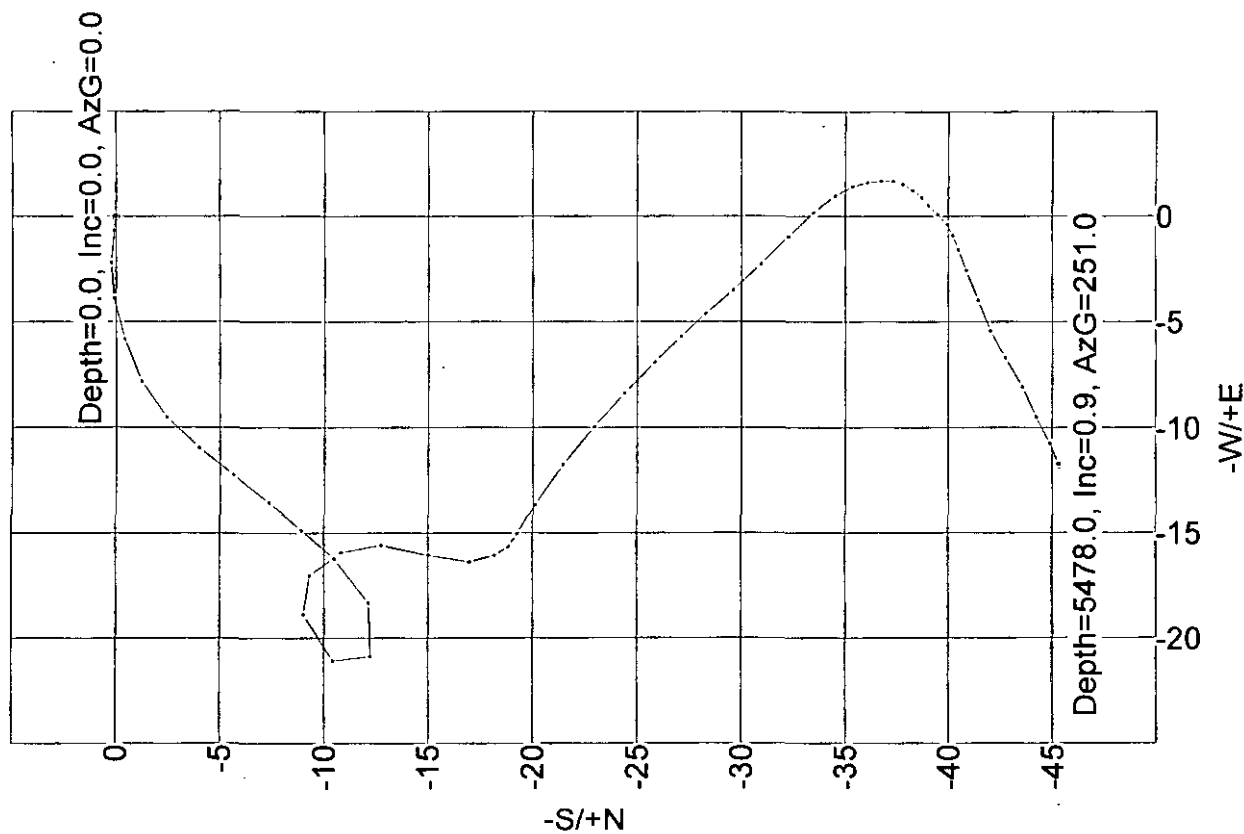
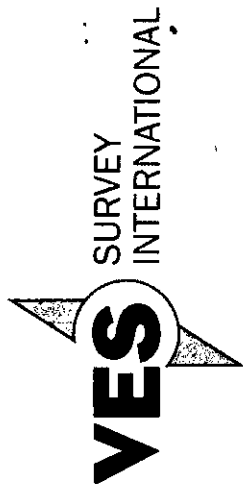
Surveyor: Gregg Wilson
Yardbirds 3 D3BO Fee No 001H / API 30-015-42948

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	0.78	276.94	100.00	0.08	-0.67	0.08	0.68	276.94	0.78
200.00	0.97	273.47	199.99	0.22	-2.19	0.22	2.20	275.61	0.20
300.00	0.99	257.52	299.97	0.08	-3.88	0.08	3.88	271.17	0.27
400.00	1.29	253.59	399.95	-0.43	-5.81	-0.43	5.82	265.81	0.31
500.00	1.18	242.05	499.93	-1.23	-7.80	-1.23	7.89	261.06	0.27
600.00	1.24	227.77	599.91	-2.44	-9.51	-2.44	9.82	255.63	0.31
700.00	1.21	218.51	699.88	-3.99	-10.97	-3.99	11.67	250.00	0.20
800.00	1.18	216.79	799.86	-5.64	-12.24	-5.64	13.48	245.26	0.05
900.00	1.28	217.94	899.84	-7.35	-13.55	-7.35	15.41	241.52	0.11
1000.00	1.08	221.61	999.82	-8.93	-14.86	-8.93	17.34	238.99	0.22
1100.00	1.29	220.66	1099.80	-10.49	-16.22	-10.49	19.32	237.10	0.22
1200.00	1.81	240.38	1199.76	-12.13	-18.33	-12.13	21.98	236.50	0.74
1300.00	1.54	299.62	1299.72	-12.25	-20.87	-12.25	24.20	239.60	1.67
1400.00	1.72	40.03	1399.70	-10.43	-21.08	-10.43	23.52	243.67	2.51
1500.00	1.45	77.82	1499.66	-9.02	-18.88	-9.02	20.92	244.46	1.06
1600.00	0.96	132.23	1599.64	-9.31	-17.02	-9.31	19.40	241.32	1.19
1700.00	1.23	154.05	1699.63	-10.83	-15.94	-10.83	19.27	235.79	0.49
1800.00	1.10	186.87	1799.61	-12.75	-15.58	-12.75	20.13	230.71	0.67
1900.00	1.56	196.00	1899.58	-15.01	-16.07	-15.01	21.99	226.96	0.51

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
2000.00	0.75	174.74	1999.56	-16.97	-16.39	-16.97	23.59	224.00	0.90
2100.00	0.69	154.76	2099.55	-18.17	-16.07	-18.17	24.26	221.50	0.26
2200.00	0.24	130.94	2199.55	-18.85	-15.66	-18.85	24.50	219.72	0.48
2300.00	0.62	120.53	2299.54	-19.26	-15.04	-19.26	24.43	217.98	0.38
2400.00	1.22	121.36	2399.53	-20.08	-13.66	-20.08	24.29	214.22	0.61
2500.00	1.45	129.11	2499.50	-21.44	-11.77	-21.44	24.46	208.76	0.29
2600.00	1.24	130.47	2599.48	-22.94	-9.96	-22.94	25.01	203.47	0.21
2700.00	1.23	134.09	2699.45	-24.39	-8.36	-24.39	25.79	198.93	0.08
2800.00	1.13	135.97	2799.43	-25.85	-6.91	-25.85	26.76	194.96	0.10
2900.00	0.86	135.95	2899.42	-27.10	-5.69	-27.10	27.70	191.87	0.27
3000.00	0.97	139.65	2999.40	-28.29	-4.62	-28.29	28.66	189.28	0.12
3100.00	1.01	138.64	3099.39	-29.60	-3.49	-29.60	29.80	186.73	0.05
3200.00	1.07	136.05	3199.37	-30.94	-2.26	-30.94	31.02	184.17	0.08
3300.00	1.04	135.14	3299.35	-32.25	-0.97	-32.25	32.27	181.72	0.04
3400.00	0.88	138.65	3399.34	-33.47	0.18	-33.47	33.47	179.69	0.17
3500.00	0.64	147.31	3499.33	-34.51	0.98	-34.51	34.53	178.37	0.27
3600.00	0.46	157.97	3599.33	-35.35	1.43	-35.35	35.38	177.68	0.20
3700.00	0.39	175.46	3699.32	-36.06	1.61	-36.06	36.10	177.44	0.15
3800.00	0.36	170.59	3799.32	-36.71	1.69	-36.71	36.74	177.37	0.05
3900.00	0.33	190.50	3899.32	-37.29	1.69	-37.29	37.33	177.41	0.12
4000.00	0.24	209.43	3999.32	-37.76	1.53	-37.76	37.79	177.68	0.12
4100.00	0.39	212.46	4099.32	-38.23	1.24	-38.23	38.25	178.14	0.15
4200.00	0.28	225.07	4199.32	-38.69	0.89	-38.69	38.70	178.69	0.14
4300.00	0.30	230.10	4299.31	-39.04	0.51	-39.04	39.04	179.25	0.04
4400.00	0.40	219.62	4399.31	-39.48	0.08	-39.48	39.48	179.88	0.12
4500.00	0.36	234.05	4499.31	-39.93	-0.40	-39.93	39.94	180.57	0.10
4600.00	0.30	251.11	4599.31	-40.20	-0.90	-40.20	40.21	181.29	0.12
4700.00	0.52	246.83	4699.31	-40.47	-1.57	-40.47	40.50	182.22	0.23
4800.00	0.69	250.76	4799.30	-40.85	-2.56	-40.85	40.93	183.58	0.17
4900.00	1.06	246.28	4899.29	-41.41	-3.97	-41.41	41.60	185.47	0.37
5000.00	0.74	249.38	4999.28	-42.01	-5.41	-42.01	42.36	187.34	0.32
5100.00	0.96	234.34	5099.27	-42.72	-6.69	-42.72	43.24	188.90	0.31
5200.00	0.90	243.42	5199.25	-43.56	-8.07	-43.56	44.30	190.49	0.16
5300.00	0.90	245.58	5299.24	-44.23	-9.48	-44.23	45.24	192.10	0.03
5400.00	0.75	239.55	5399.23	-44.89	-10.75	-44.89	46.16	193.47	0.17
5478.00	0.89	251.04	5477.22	-45.34	-11.76	-45.34	46.84	194.54	0.28



VES Survey International
Gardendale, TX
432-563-5444
Surveyor: Gregg Wilson
Yardbirds 3 D3BO Fee No 001H / API 30-015-42948



VES Survey Date: 7/21/2015



COMPANY: Mewbourne Oil Company
 WELL: Yardbirds 3 D3BO Fee #1H
 COUNTY: Eddy County, New Mexico
 DATUM: NAD 1927 (NADCON CONUS)

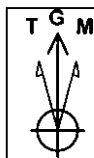


RIG: Patterson
 GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 7.29°

OFFICE: 936.582.7296

GEODETTIC ZONE: New Mexico East 3001							
3023 +20 @ 3043.0usft (Patterson)							
GROUND ELEVATION: 3023.0							
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot	
0.0	0.0	456084.00	580551.70	32° 15' 13.043 N	104° 4' 21.955 W		

PLAN SECTIONS											
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSecl	Target	
1	5478.0	0.89	251.04	5477.2	-45.3	-11.8	0.00	0.00	45.5		
2	5648.9	0.89	251.04	5648.1	-46.2	-14.3	0.00	0.00	46.4		
3	6393.0	89.59	180.65	6123.0	-520.2	-26.6	12.00	-70.40	520.5		
4	10601.6	89.59	180.65	6153.0	-4728.4	-74.4	0.00	0.00	4729.0	PBHL Yardbirds 3 D3BO Fee#1H	



Azimuths to Grid North
 True North: -0.14°
 Magnetic North: 7.28°
 Magnetic Field
 Strength: 48131.6snT
 Dip Angle: 60.03°
 Date: 4/1/2015
 Model: IGRF2015

SHL : Section3-24S-28E

PBHL:Section3-24S-28E

