



COMPANY: Mewbourne Oil Company
WELL: Oryx 14 B3DM Fed Com 1H
COUNTY: Lea County N.M.
DATUM: NAD 1927 (NADCON CONUS)
RIG: Patterson 250

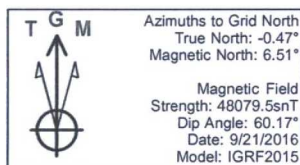
GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 6.51°



OFFICE: 936.582.7296

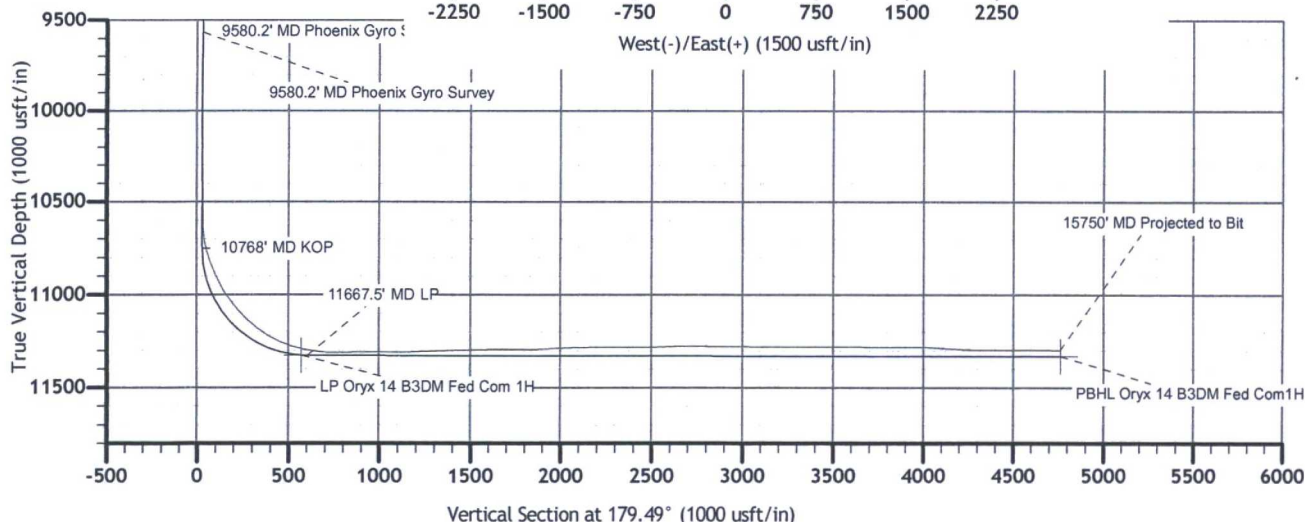
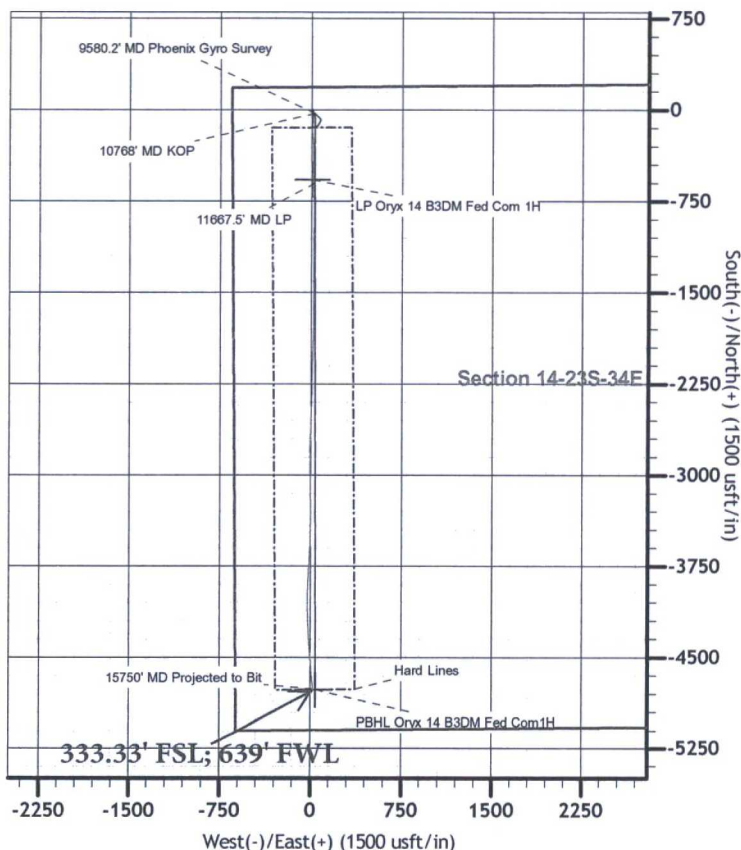
HOBBS OCD
DEC 06 2016
RECEIVED

SHL: 185' FNL; 660' FWL
Section 14-23S-34E
PBHL: 330' FSL; 660' FWL
Section 14-23S-34E



GEODETIC ZONE: New Mexico East 3001 3373 +25 @ 3398.0usft (Patterson 250) GROUND ELEVATION: 3373.0							
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot	
0.0	0.0	478076.60	773893.90	32° 18' 40.447 N	103° 26' 48.469 W		

PLAN SECTIONS											
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target	
1	9580.2	1.88	294.19	9566.3	-31.0	26.5	0.00	0.00	31.3		
2	9768.2	0.00	0.00	9754.3	-29.8	23.7	1.00	180.00	30.0		
3	10768.0	0.00	0.00	10754.1	-29.8	23.7	0.00	0.00	30.0		
4	11667.5	89.95	179.77	11327.0	-602.2	26.0	10.00	179.77	602.4		
5	15828.6	89.95	179.77	11331.0	-4763.3	42.5	0.00	0.00	4763.5	PBHL Oryx 14 B3DM Fed Com1H	





HOBBS OCD

DEC 06 2016

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Mewbourne Oil Company

Lea County N.M.

Section 14-23S-34E Oryx 14 B3DM Fed Com 1H

Oryx 14 B3DM Fed Com 1H

Original Hole

Design: Original Hole

Standard Survey Report

17 October, 2016





Stryker Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Oryx 14 B3DM Fed Com 1H
Project:	Lea County N.M.	TVD Reference:	3373 +25 @ 3398.0usft (Patterson 250)
Site:	Section 14-23S-34E Oryx 14 B3DM Fed Com 1H	MD Reference:	3373 +25 @ 3398.0usft (Patterson 250)
Well:	Oryx 14 B3DM Fed Com 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 14-23S-34E Oryx 14 B3DM Fed Com 1H		
Site Position:		Northing:	478,076.60 usft
From:	Map	Easting:	773,893.90 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 18' 40.447 N
		Longitude:	103° 26' 48.469 W
		Grid Convergence:	0.47 °

Well	Oryx 14 B3DM Fed Com 1H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	25.0 usft
		Latitude:	32° 18' 40.447 N
		Longitude:	103° 26' 48.469 W
		Ground Level:	3,373.0 usft

Wellbore	Original Hole		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2015	9/21/2016	6.98
			Dip Angle
			(°)
			60.17
			Field Strength
			(nT)
			48,080

Design	Original Hole		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			139.45

Survey Program	Date 10/17/2016		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
100.0	9,580.2	Phoenix Tech Gyro Survey (Original Hole)	SRG-GYRO-MS
9,726.0	15,750.0	MWD Survey #2 (Original Hole)	MWD
			Description
			surface readout gyro multishot
			MWD v3:standard declination

Survey									
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Vertical	Dogleg	Build	Turn
Depth	(°)	(°)	Depth	(usft)	(usft)	Section	Rate	Rate	Rate
(usft)			(usft)			(usft)	(°/100usft)	(°/100usft)	(°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.50	324.84	100.0	0.4	-0.3	-0.4	0.50	0.50	0.00
200.0	0.24	183.60	200.0	0.5	-0.5	-0.7	0.70	-0.26	-141.24
300.0	0.32	38.48	300.0	0.5	-0.4	-0.6	0.53	0.08	-145.12
400.0	0.46	350.97	400.0	1.1	-0.2	-1.0	0.34	0.14	-47.51
500.0	0.56	126.37	500.0	1.2	0.1	-0.9	0.94	0.10	135.40
600.0	0.53	307.94	600.0	1.2	0.1	-0.9	1.09	-0.03	-178.43
700.0	0.18	117.31	700.0	1.4	-0.1	-1.2	0.71	-0.35	169.37
800.0	0.58	51.23	800.0	1.7	0.4	-1.0	0.53	0.40	-66.08



Stryker Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Oryx 14 B3DM Fed Com 1H
Project:	Lea County N.M.	TVD Reference:	3373 +25 @ 3398.0usft (Patterson 250)
Site:	Section 14-23S-34E Oryx 14 B3DM Fed Com 1H	MD Reference:	3373 +25 @ 3398.0usft (Patterson 250)
Well:	Oryx 14 B3DM Fed Com 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)	
900.0	0.33	352.29	900.0	2.3	0.8	-1.2	0.50	-0.25	-58.94	
1,000.0	1.42	93.34	1,000.0	2.5	2.0	-0.6	1.52	1.09	101.05	
1,100.0	1.48	63.55	1,099.9	3.0	4.4	0.6	0.75	0.06	-29.79	
1,200.0	0.67	102.15	1,199.9	3.5	6.1	1.3	1.04	-0.81	38.60	
1,300.0	1.12	115.48	1,299.9	2.9	7.6	2.7	0.49	0.45	13.33	
1,400.0	1.09	117.49	1,399.9	2.1	9.3	4.5	0.05	-0.03	2.01	
1,500.0	2.12	158.66	1,499.9	-0.1	10.8	7.1	1.48	1.03	41.17	
1,600.0	3.57	169.99	1,599.7	-4.9	12.0	11.5	1.55	1.45	11.33	
1,700.0	6.51	178.35	1,699.3	-13.6	12.7	18.6	3.02	2.94	8.36	
1,800.0	8.28	181.96	1,798.5	-26.5	12.6	28.3	1.83	1.77	3.61	
1,900.0	9.06	184.90	1,897.4	-41.5	11.7	39.2	0.90	0.78	2.94	
2,000.0	9.35	185.57	1,996.1	-57.5	10.3	50.3	0.31	0.29	0.67	
2,100.0	9.10	186.04	2,094.8	-73.4	8.6	61.4	0.26	-0.25	0.47	
2,200.0	11.34	186.73	2,193.2	-91.0	6.6	73.5	2.24	2.24	0.69	
2,300.0	11.11	185.68	2,291.3	-110.4	4.5	86.8	0.31	-0.23	-1.05	
2,400.0	8.40	182.95	2,389.8	-127.3	3.2	98.8	2.75	-2.71	-2.73	
2,500.0	5.65	156.53	2,489.1	-139.1	4.8	108.8	4.18	-2.75	-26.42	
2,600.0	2.66	171.30	2,588.8	-145.9	7.1	115.5	3.15	-2.99	14.77	
2,700.0	0.36	64.94	2,688.8	-148.1	7.7	117.5	2.78	-2.30	-106.36	
2,800.0	0.36	79.41	2,788.8	-147.9	8.3	117.8	0.09	0.00	14.47	
2,900.0	0.46	108.56	2,888.8	-147.9	9.0	118.3	0.23	0.10	29.15	
3,000.0	0.17	33.62	2,988.8	-148.0	9.5	118.6	0.45	-0.29	-74.94	
3,100.0	0.81	82.41	3,088.8	-147.7	10.3	118.9	0.71	0.64	48.79	
3,200.0	0.48	96.66	3,188.8	-147.7	11.4	119.6	0.36	-0.33	14.25	
3,300.0	0.60	77.20	3,288.8	-147.6	12.3	120.2	0.22	0.12	-19.46	
3,400.0	1.05	84.33	3,388.7	-147.4	13.7	120.9	0.46	0.45	7.13	
3,500.0	1.84	59.12	3,488.7	-146.5	16.0	121.7	1.00	0.79	-25.21	
3,600.0	2.43	60.73	3,588.6	-144.6	19.3	122.4	0.59	0.59	1.61	
3,700.0	2.61	55.09	3,688.5	-142.3	23.0	123.1	0.31	0.18	-5.64	
3,800.0	1.41	59.24	3,788.5	-140.4	25.9	123.5	1.21	-1.20	4.15	
3,900.0	1.34	38.16	3,888.5	-138.8	27.7	123.5	0.51	-0.07	-21.08	
4,000.0	0.81	291.40	3,988.4	-137.6	27.7	122.6	1.75	-0.53	-106.76	
4,100.0	1.39	39.45	4,088.4	-136.4	27.9	121.8	1.81	0.58	108.05	
4,200.0	1.55	107.69	4,188.4	-135.9	29.9	122.7	1.65	0.16	68.24	
4,300.0	2.03	54.24	4,288.4	-135.3	32.6	124.0	1.67	0.48	-53.45	
4,400.0	2.36	53.13	4,388.3	-133.0	35.7	124.3	0.33	0.33	-1.11	
4,500.0	2.43	91.44	4,488.2	-131.8	39.5	125.9	1.57	0.07	38.31	
4,600.0	1.52	66.90	4,588.2	-131.4	42.8	127.7	1.22	-0.91	-24.54	
4,700.0	1.33	60.30	4,688.1	-130.3	45.1	128.3	0.25	-0.19	-6.60	
4,800.0	1.55	50.00	4,788.1	-128.8	47.1	128.5	0.34	0.22	-10.30	
4,900.0	1.53	42.60	4,888.1	-127.0	49.0	128.4	0.20	-0.02	-7.40	
5,000.0	1.70	72.51	4,988.0	-125.6	51.4	128.8	0.85	0.17	29.91	



Stryker Directional Survey Report



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Project:	Lea County N.M.	TVD Reference:	3373 +25 @ 3398.0usft (Patterson 250)
Site:	Section 14-23S-34E Oryx 14 B3DM Fed Com 1H	MD Reference:	3373 +25 @ 3398.0usft (Patterson 250)
Well:	Oryx 14 B3DM Fed Com 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)
5,100.0	1.63	40.07	5,088.0	-124.0	53.7	129.1	0.93	-0.07	-32.44
5,200.0	1.38	32.56	5,187.9	-121.9	55.3	128.6	0.32	-0.25	-7.51
5,300.0	1.46	24.34	5,287.9	-119.7	56.4	127.7	0.22	0.08	-8.22
5,400.0	1.37	23.30	5,387.9	-117.5	57.4	126.6	0.09	-0.09	-1.04
5,500.0	1.37	29.64	5,487.8	-115.3	58.5	125.7	0.15	0.00	6.34
5,600.0	1.21	23.09	5,587.8	-113.3	59.5	124.8	0.22	-0.16	-6.55
5,700.0	1.11	37.44	5,687.8	-111.6	60.5	124.1	0.31	-0.10	14.35
5,800.0	1.13	32.95	5,787.8	-110.0	61.6	123.6	0.09	0.02	-4.49
5,900.0	0.97	29.72	5,887.8	-108.4	62.6	123.1	0.17	-0.16	-3.23
6,000.0	1.57	28.43	5,987.7	-106.5	63.6	122.3	0.60	0.60	-1.29
6,100.0	1.30	22.68	6,087.7	-104.2	64.7	121.3	0.31	-0.27	-5.75
6,200.0	1.27	28.19	6,187.7	-102.2	65.7	120.4	0.13	-0.03	5.51
6,300.0	1.23	20.87	6,287.7	-100.2	66.6	119.5	0.16	-0.04	-7.32
6,400.0	1.53	22.38	6,387.6	-98.0	67.5	118.4	0.30	0.30	1.51
6,500.0	1.45	17.26	6,487.6	-95.6	68.4	117.1	0.16	-0.08	-5.12
6,600.0	1.10	20.46	6,587.6	-93.5	69.1	115.9	0.36	-0.35	3.20
6,700.0	0.88	351.64	6,687.6	-91.8	69.3	114.8	0.54	-0.22	-28.82
6,800.0	1.00	22.54	6,787.5	-90.2	69.5	113.8	0.51	0.12	30.90
6,900.0	1.16	16.31	6,887.5	-88.5	70.2	112.8	0.20	0.16	-6.23
7,000.0	0.93	26.36	6,987.5	-86.8	70.8	111.9	0.29	-0.23	10.05
7,100.0	0.71	25.99	7,087.5	-85.5	71.4	111.4	0.22	-0.22	-0.37
7,200.0	0.61	39.90	7,187.5	-84.5	72.0	111.0	0.19	-0.10	13.91
7,300.0	0.52	55.47	7,287.5	-83.8	72.8	111.0	0.18	-0.09	15.57
7,400.0	0.70	351.46	7,387.5	-83.0	73.0	110.5	0.66	0.18	-64.01
7,500.0	1.10	338.79	7,487.5	-81.5	72.6	109.1	0.44	0.40	-12.67
7,600.0	0.74	333.13	7,587.5	-80.0	72.0	107.6	0.37	-0.36	-5.66
7,700.0	0.91	331.64	7,687.5	-78.7	71.3	106.2	0.17	0.17	-1.49
7,800.0	0.94	329.74	7,787.4	-77.3	70.5	104.6	0.04	0.03	-1.90
7,900.0	1.12	326.00	7,887.4	-75.8	69.5	102.8	0.19	0.18	-3.74
8,000.0	1.07	324.81	7,987.4	-74.2	68.5	100.9	0.05	-0.05	-1.19
8,100.0	1.21	328.19	8,087.4	-72.6	67.4	98.9	0.16	0.14	3.38
8,200.0	1.35	330.25	8,187.4	-70.7	66.2	96.7	0.15	0.14	2.06
8,300.0	1.48	319.59	8,287.3	-68.7	64.8	94.3	0.29	0.13	-10.66
8,400.0	1.42	324.23	8,387.3	-66.7	63.2	91.8	0.13	-0.06	4.64
8,500.0	1.55	319.77	8,487.3	-64.6	61.6	89.2	0.17	0.13	-4.46
8,600.0	1.83	298.70	8,587.2	-62.8	59.4	86.3	0.68	0.28	-21.07
8,700.0	1.88	312.77	8,687.2	-60.9	56.8	83.2	0.46	0.05	14.07
8,800.0	2.06	326.94	8,787.1	-58.3	54.6	79.8	0.52	0.18	14.17
8,900.0	2.43	317.13	8,887.0	-55.3	52.2	75.9	0.53	0.37	-9.81
9,000.0	2.91	316.99	8,986.9	-51.9	49.0	71.2	0.48	0.48	-0.14
9,100.0	2.94	312.66	9,086.8	-48.3	45.4	66.2	0.22	0.03	-4.33
9,200.0	3.16	316.00	9,186.7	-44.5	41.6	60.9	0.28	0.22	3.34
9,300.0	3.59	318.38	9,286.5	-40.2	37.6	55.0	0.45	0.43	2.38



Stryker Directional Survey Report



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Site:	Section 14-23S-34E Oryx 14 B3DM Fed Com 1H	MD Reference:	3373 +25 @ 3398.0usft (Patterson 250)
Well:	Oryx 14 B3DM Fed Com 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)
9,400.0	3.39	311.20	9,386.3	-35.9	33.3	48.9	0.48	-0.20	-7.18
9,500.0	2.60	306.20	9,486.2	-32.6	29.2	43.8	0.83	-0.79	-5.00
9,580.2	1.88	294.20	9,566.3	-31.0	26.5	40.8	1.07	-0.90	-14.96
9580.2' MD Phoenix Gyro Survey									
9,726.0	1.50	260.20	9,712.0	-30.4	22.5	37.7	0.72	-0.26	-23.32
9,820.0	1.30	265.30	9,806.0	-30.7	20.2	36.4	0.25	-0.21	5.43
9,914.0	1.30	268.90	9,900.0	-30.8	18.1	35.1	0.09	0.00	3.83
10,007.0	1.20	283.90	9,993.0	-30.6	16.1	33.7	0.37	-0.11	16.13
10,101.0	1.10	283.60	10,086.9	-30.1	14.2	32.1	0.11	-0.11	-0.32
10,194.0	0.90	276.60	10,179.9	-29.8	12.7	30.9	0.25	-0.22	-7.53
10,288.0	0.70	273.30	10,273.9	-29.7	11.3	29.9	0.22	-0.21	-3.51
10,381.0	0.90	245.20	10,366.9	-30.0	10.1	29.4	0.47	0.22	-30.22
10,475.0	1.10	227.50	10,460.9	-30.9	8.8	29.2	0.39	0.21	-18.83
10,568.0	1.40	219.30	10,553.9	-32.4	7.4	29.4	0.37	0.32	-8.82
10,661.0	2.90	207.40	10,646.8	-35.3	5.6	30.5	1.67	1.61	-12.80
10,692.0	6.50	190.30	10,677.7	-37.8	4.9	31.9	12.34	11.61	-55.16
10,724.0	10.40	187.10	10,709.3	-42.4	4.2	35.0	12.27	12.19	-10.00
10,755.0	13.50	180.10	10,739.7	-48.8	3.9	39.6	11.02	10.00	-22.58
10,786.0	16.00	178.30	10,769.6	-56.7	4.0	45.7	8.20	8.06	-5.81
10,817.0	18.30	176.50	10,799.3	-65.8	4.4	52.9	7.61	7.42	-5.81
10,848.0	20.70	176.10	10,828.5	-76.2	5.1	61.2	7.75	7.74	-1.29
10,879.0	22.90	177.90	10,857.3	-87.7	5.7	70.3	7.42	7.10	5.81
10,910.0	24.80	179.40	10,885.6	-100.2	6.0	80.0	6.43	6.13	4.84
10,942.0	26.40	180.80	10,914.5	-114.0	6.0	90.5	5.35	5.00	4.38
10,973.0	27.80	180.90	10,942.1	-128.1	5.8	101.1	4.52	4.52	0.32
11,004.0	30.50	180.40	10,969.1	-143.2	5.6	112.5	8.74	8.71	-1.61
11,035.0	33.30	178.60	10,995.5	-159.6	5.7	125.0	9.54	9.03	-5.81
11,066.0	36.20	176.10	11,020.9	-177.3	6.6	139.0	10.42	9.35	-8.06
11,097.0	37.80	174.20	11,045.7	-195.8	8.2	154.1	6.34	5.16	-6.13
11,128.0	39.70	174.00	11,069.9	-215.1	10.1	170.1	6.14	6.13	-0.65
11,160.0	42.00	175.10	11,094.1	-236.0	12.1	187.2	7.53	7.19	3.44
11,191.0	44.90	174.90	11,116.6	-257.2	14.0	204.5	9.37	9.35	-0.65
11,222.0	47.30	176.10	11,138.1	-279.5	15.7	222.6	8.23	7.74	3.87
11,253.0	49.60	178.30	11,158.6	-302.6	16.9	240.9	9.12	7.42	7.10
11,284.0	52.10	179.80	11,178.2	-326.7	17.3	259.4	8.89	8.06	4.84
11,316.0	55.10	181.50	11,197.2	-352.4	17.0	278.8	10.30	9.38	5.31
11,347.0	58.20	182.50	11,214.2	-378.3	16.0	297.9	10.36	10.00	3.23
11,379.0	61.10	182.00	11,230.4	-405.9	15.0	318.1	9.16	9.06	-1.56
11,410.0	63.70	180.40	11,244.8	-433.4	14.4	338.6	9.55	8.39	-5.16
11,441.0	67.30	178.70	11,257.6	-461.6	14.6	360.2	12.64	11.61	-5.48
11,472.0	70.90	177.60	11,268.7	-490.5	15.6	382.8	12.08	11.61	-3.55
11,503.0	73.40	177.90	11,278.2	-520.0	16.7	406.0	8.12	8.06	0.97



Stryker Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Oryx 14 B3DM Fed Com 1H
Project:	Lea County N.M.	TVD Reference:	3373 +25 @ 3398.0usft (Patterson 250)
Site:	Section 14-23S-34E Oryx 14 B3DM Fed Com 1H	MD Reference:	3373 +25 @ 3398.0usft (Patterson 250)
Well:	Oryx 14 B3DM Fed Com 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)
11,535.0	76.00	178.20	11,286.6	-550.8	17.8	430.1	8.18	8.13	0.94
11,566.0	79.50	177.80	11,293.2	-581.1	18.8	453.8	11.36	11.29	-1.29
11,580.0	80.50	177.80	11,295.6	-594.9	19.4	464.6	7.14	7.14	0.00
11,615.0	81.80	178.70	11,301.0	-629.4	20.4	491.5	4.50	3.71	2.57
11,647.0	82.90	178.10	11,305.3	-661.1	21.3	516.2	3.91	3.44	-1.88
11,678.0	84.50	178.70	11,308.7	-691.9	22.2	540.2	5.51	5.16	1.94
11,710.0	87.70	179.30	11,310.8	-723.9	22.7	564.8	10.17	10.00	1.88
11,741.0	89.90	179.60	11,311.5	-754.8	23.0	588.5	7.16	7.10	0.97
11,772.0	91.30	180.10	11,311.2	-785.8	23.1	612.1	4.80	4.52	1.61
11,834.0	91.60	180.90	11,309.6	-847.8	22.6	658.9	1.38	0.48	1.29
11,928.0	91.00	180.40	11,307.5	-941.8	21.5	729.6	0.83	-0.64	-0.53
12,021.0	87.90	179.20	11,308.4	-1,034.8	21.8	800.4	3.57	-3.33	-1.29
12,115.0	90.90	179.60	11,309.3	-1,128.8	22.8	872.5	3.22	3.19	0.43
12,208.0	92.90	180.60	11,306.3	-1,221.7	22.6	943.0	2.40	2.15	1.08
12,302.0	91.40	179.90	11,302.7	-1,315.6	22.2	1,014.1	1.76	-1.60	-0.74
12,395.0	92.20	180.70	11,299.8	-1,408.6	21.7	1,084.4	1.22	0.86	0.86
12,489.0	90.90	179.40	11,297.3	-1,502.5	21.7	1,155.8	1.96	-1.38	-1.38
12,582.0	91.60	179.90	11,295.2	-1,595.5	22.2	1,226.8	0.92	0.75	0.54
12,676.0	89.00	180.90	11,294.7	-1,689.5	21.6	1,297.8	2.96	-2.77	1.06
12,769.0	90.20	181.10	11,295.4	-1,782.5	19.9	1,367.4	1.31	1.29	0.22
12,863.0	91.70	181.90	11,293.8	-1,876.4	17.5	1,437.2	1.81	1.60	0.85
12,956.0	93.40	183.00	11,289.7	-1,969.3	13.5	1,505.1	2.18	1.83	1.18
13,050.0	91.60	181.30	11,285.6	-2,063.1	10.0	1,574.1	2.63	-1.91	-1.81
13,144.0	90.50	180.60	11,283.9	-2,157.1	8.4	1,644.5	1.39	-1.17	-0.74
13,237.0	88.90	180.80	11,284.4	-2,250.0	7.3	1,714.4	1.73	-1.72	0.22
13,331.0	90.40	181.40	11,284.9	-2,344.0	5.5	1,784.7	1.72	1.60	0.64
13,424.0	91.50	181.40	11,283.4	-2,437.0	3.2	1,853.8	1.18	1.18	0.00
13,518.0	92.10	181.60	11,280.4	-2,530.9	0.8	1,923.6	0.67	0.64	0.21
13,611.0	91.50	181.10	11,277.5	-2,623.8	-1.4	1,992.8	0.84	-0.65	-0.54
13,705.0	89.80	182.20	11,276.5	-2,717.8	-4.1	2,062.4	2.15	-1.81	1.17
13,798.0	89.40	181.40	11,277.1	-2,810.7	-7.1	2,131.1	0.96	-0.43	-0.86
13,892.0	89.40	180.10	11,278.1	-2,904.7	-8.3	2,201.7	1.38	0.00	-1.38
13,986.0	89.60	179.40	11,278.9	-2,998.7	-7.9	2,273.4	0.77	0.21	-0.74
14,079.0	88.50	179.20	11,280.5	-3,091.7	-6.7	2,344.8	1.20	-1.18	-0.22
14,173.0	90.20	178.00	11,281.5	-3,185.7	-4.4	2,417.7	2.21	1.81	-1.28
14,267.0	90.30	178.50	11,281.1	-3,279.6	-1.6	2,491.0	0.54	0.11	0.53
14,360.0	91.10	180.40	11,280.0	-3,372.6	-0.7	2,562.2	2.22	0.86	2.04
14,454.0	89.90	180.90	11,279.2	-3,466.6	-1.7	2,632.9	1.38	-1.28	0.53
14,547.0	89.80	181.10	11,279.4	-3,559.6	-3.4	2,702.5	0.24	-0.11	0.22
14,641.0	89.30	183.40	11,280.1	-3,653.5	-7.1	2,771.5	2.50	-0.53	2.45
14,734.0	88.90	182.80	11,281.6	-3,746.3	-12.1	2,838.8	0.78	-0.43	-0.65
14,828.0	90.40	183.70	11,282.2	-3,840.2	-17.4	2,906.6	1.86	1.60	0.96
14,921.0	89.70	181.70	11,282.1	-3,933.1	-21.8	2,974.3	2.28	-0.75	-2.15



Stryker Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Oryx 14 B3DM Fed Com 1H
Project:	Lea County N.M.	TVD Reference:	3373 +25 @ 3398.0usft (Patterson 250)
Site:	Section 14-23S-34E Oryx 14 B3DM Fed Com 1H	MD Reference:	3373 +25 @ 3398.0usft (Patterson 250)
Well:	Oryx 14 B3DM Fed Com 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)	
15,015.0	87.20	180.40	11,284.6	-4,027.0	-23.5	3,044.6	3.00	-2.66	-1.38	
15,108.0	86.90	179.00	11,289.4	-4,119.9	-23.0	3,115.5	1.54	-0.32	-1.51	
15,202.0	88.00	177.10	11,293.6	-4,213.7	-19.8	3,188.9	2.33	1.17	-2.02	
15,295.0	88.40	176.80	11,296.5	-4,306.5	-14.9	3,262.6	0.54	0.43	-0.32	
15,389.0	90.70	176.30	11,297.3	-4,400.4	-9.2	3,337.6	2.50	2.45	-0.53	
15,483.0	90.00	175.80	11,296.7	-4,494.1	-2.8	3,413.0	0.92	-0.74	-0.53	
15,576.0	89.10	174.30	11,297.4	-4,586.8	5.3	3,488.7	1.88	-0.97	-1.61	
15,670.0	89.70	174.90	11,298.4	-4,680.4	14.1	3,565.5	0.90	0.64	0.64	
15,699.0	89.30	175.00	11,298.7	-4,709.3	16.7	3,589.1	1.42	-1.38	0.34	
15,750.0	89.30	175.00	11,299.3	-4,760.1	21.1	3,630.6	0.00	0.00	0.00	
15750' MD Projected to Bit										

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
9,580.2	9,566.3	-31.0	26.5	9580.2' MD Phoenix Gyro Survey	
15,750.0	11,299.3	-4,760.1	21.1	15750' MD Projected to Bit	