

NM OIL CONSERVATION

ARTESIA DISTRICT

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

MAR 30 2015

RECEIVED

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015-42918		2 Pool Code 97443		3 Pool Name Deadman; Bone Spring	
4 Property Code 314118		5 Property Name RIO BRAVO 7 B3NC FED			
6 Well Number 1H					
7 GRID NO. 14744		8 Operator Name MEWBOURNE OIL COMPANY			
9 Elevation 3496'					
10 Surface Location					
UL or lot no. N	Section 7	Township 21S	Range 25E	Lot Idn 225	Feet from the SOUTH
Feet From the 2140		East/West line WEST		County EDDY	
11 Bottom Hole Location If Different From Surface					
UL or lot no. C	Section 7	Township 21S	Range 25E	Lot Idn 331'	Feet from the North
Feet From the 2116'		East/West line West		County Eddy	
12 Dedicated Acres 160	13 Joint or Infill	14 Consolidation Code	15 Order No.		

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

16 (C) N 89°57'59" E 2574.65' LOT 1 N 00°20'06" E 2659.69' LOT 2 N 00°16'21" E 2662.76' LOT 3 N 00°16'21" E 2662.76' LOT 4 S 89°55'04" W 2590.21' 2140' 225' SEE DETAIL "A"		(D) N 89°56'41" E 2579.53' GEODETIC DATA NAD 27 GRID - NM EAST SURFACE LOCATION N 541025.9 E 468447.1 LAT: 32.48734972° N LON: 104.43566355° W CORNER DATA NAD 27 GRID - NM EAST A: FOUND BRASS CAP 1948 N 540797.9 - E 466306.7 B: FOUND BRASS CAP 1948 N 543459.9 - E 466319.3 C: FOUND BRASS CAP 1948 N 546118.9 - E 466334.9 D: FOUND BRASS CAP 1948 N 546120.4 - E 468908.9 E: FOUND BRASS CAP 1948 N 546122.9 - E 471487.8 F: FOUND BRASS CAP 1948 N 543468.7 - E 471496.2 G: FOUND BRASS CAP 1948 N 540805.1 - E 471498.2 H: FOUND BRASS CAP 1948 N 540801.6 - E 468896.3		(E) 17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <u>Jackie Lathan</u> Date: <u>3/23/15</u> Printed Name: <u>Jackie Lathan</u> E-mail Address: _____	
(B) 3503.6' 600' 3490.7' 600' S. L. 3501.3' 3490.8'		(F) 18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. <u>7/30/2014</u> Date of Survey Signature and Seal of Professional Surveyor: <u>Robert M. Howett</u> 19680 Certificate Number			

RRC - Firm No.: TX 10193838 NM 4655451 - Job No.: LS140323



COMPANY: Mewbourne Oil Company
 WELL: Rio Bravo 7 B3NC Fed #1H
 COUNTY: Eddy County, New Mexico
 DATUM: NAD 1927 (NADCON CONUS)
 RIG: Patterson #41



GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 7.68°

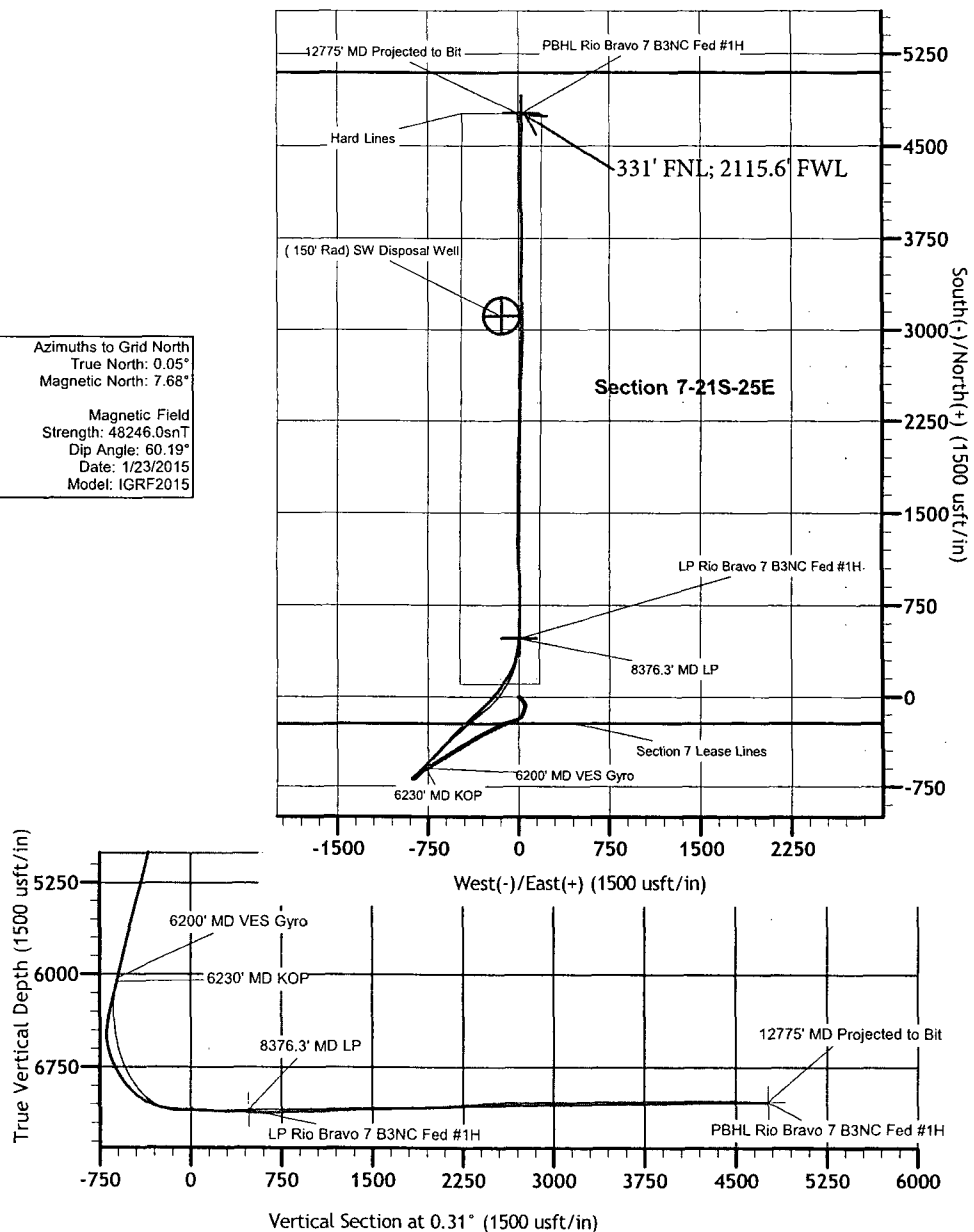
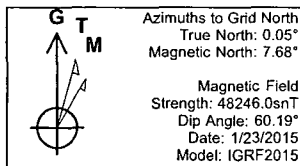
OFFICE: 936.582.7296

GEODETTIC ZONE: New Mexico East 3001
 3498 + 20 @ 3518.0usft (Patterson #41)
 GROUND ELEVATION: 3498.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	541025.90	468447.10	32° 29' 14.459 N	104° 26' 8.369 W	

PLAN SECTIONS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	6200.0	21.64	235.19	6030.8	-597.2	-757.2	0.00	0.00	-601.3	
2	6230.0	21.64	235.19	6058.7	-603.5	-766.3	0.00	0.00	-607.6	
3	7729.4	90.52	48.64	7105.5	-91.4	-257.1	7.47	172.93	-92.8	
4	8376.3	90.90	0.31	7097.0	480.1	3.0	7.47	-89.26	480.1	LP Rio Bravo 7 B3NC Fed #1H
5	12661.0	90.90	0.31	7030.0	4764.2	25.9	0.00	0.00	4764.3	PBHL Rio Bravo 7 B3NC Fed #1H



Mewbourne Oil Company .

Eddy County, New Mexico

Section 7-21S-25E Rio Bravo 7 B3NC Fed #1H

Rio Bravo 7 B3NC Fed #1H

Original Hole

Design: Original Hole

Standard Survey Report

20 March, 2015

NM OIL CONSERVATION
ARTESIA DISTRICT

MAR 30 2015

RECEIVED

Stryker Directional Survey Report

Company:	Mewbourne Oil Company .	Local Co-ordinate Reference:	Well Rio Bravo 7 B3NC Fed #1H
Project:	Eddy County, New Mexico	TVD Reference:	3498 + 20 @ 3518.0usft (Patterson #41)
Site:	Section 7-21S-25E Rio Bravo 7 B3NC Fed #1H	MD Reference:	3498 + 20 @ 3518.0usft (Patterson #41)
Well:	Rio Bravo 7 B3NC Fed #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 7-21S-25E Rio Bravo 7 B3NC Fed #1H		
Site Position:		Northing:	541,025.90 usft
From:	Map	Easting:	468,447.10 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 29' 14.459 N
		Longitude:	104° 26' 8.389 W
		Grid Convergence:	-0.05 °

Well	Rio Bravo 7 B3NC Fed #1H		
Well Position	+N/-S	0.0 usft	Northing: 541,025.90 usft
	+E/-W	0.0 usft	Easting: 468,447.10 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft
		Latitude:	32° 29' 14.459 N
		Longitude:	104° 26' 8.389 W
		Ground Level:	3,498.0 usft

Wellbore	Original Hole		
Magnetics	Model Name	Sample Date	Declination
	IGRF2015	1/23/2015	(°)
			7.63
			60.19
			48,246

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
			0.31

Survey Program	Date	2/23/2015		
From	To	Survey (Wellbore)	Tool Name	Description
(usft)	(usft)			
100.0	6,200.0	VES Gyro Survey (Original Hole)	GyroFlex	
6,540.0	12,775.0	MWD Survey (Original Hole)	MWD	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	0.78	150.07	100.0	-0.6	0.3	-0.6	0.78	0.78	0.00
200.0	1.46	149.42	200.0	-2.3	1.3	-2.3	0.68	0.68	-0.65
300.0	2.72	126.62	299.9	-4.8	3.9	-4.8	1.49	1.26	-22.80
400.0	3.86	127.57	399.7	-8.3	8.5	-8.2	1.14	1.14	0.95
500.0	3.85	135.56	499.5	-12.7	13.5	-12.6	0.54	-0.01	7.99
600.0	4.03	129.25	599.3	-17.3	18.5	-17.2	0.47	0.18	-6.31
700.0	4.12	138.53	699.0	-22.2	23.6	-22.1	0.66	0.09	9.28
800.0	4.08	141.86	798.8	-27.7	28.2	-27.6	0.24	-0.04	3.33
900.0	3.94	144.61	898.5	-33.3	32.4	-33.2	0.24	-0.14	2.75

Stryker Directional

Survey Report

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Rio Bravo 7 B3NC Fed #1H
Project:	Eddy County, New Mexico	TVD Reference:	3498 + 20 @ 3518.0usft (Patterson #41)
Site:	Section 7-21S-25E Rio Bravo 7 B3NC Fed #1H	MD Reference:	3498 + 20 @ 3518.0usft (Patterson #41)
Well:	Rio Bravo 7 B3NC Fed #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	4.10	145.06	998.3	-39.1	36.4	-38.9	0.16	0.16	0.45
1,100.0	4.15	140.84	1,098.0	-44.8	40.8	-44.6	0.31	0.05	-4.22
1,200.0	4.35	148.24	1,197.8	-50.8	45.1	-50.6	0.58	0.20	7.40
1,300.0	4.12	157.46	1,297.5	-57.4	48.4	-57.1	0.72	-0.23	9.22
1,400.0	3.06	158.14	1,397.3	-63.2	50.8	-62.9	1.06	-1.06	0.68
1,500.0	2.73	174.13	1,497.2	-68.0	52.0	-67.7	0.87	-0.33	15.99
1,600.0	2.64	177.92	1,597.0	-72.7	52.4	-72.4	0.20	-0.09	3.79
1,700.0	2.71	185.66	1,696.9	-77.3	52.2	-77.1	0.37	0.07	7.74
1,800.0	2.78	191.14	1,796.8	-82.1	51.5	-81.8	0.27	0.07	5.48
1,900.0	2.95	195.15	1,896.7	-86.9	50.4	-86.7	0.26	0.17	4.01
2,000.0	3.25	190.95	1,996.6	-92.2	49.2	-91.9	0.38	0.30	-4.20
2,100.0	3.66	198.54	2,096.4	-98.0	47.6	-97.7	0.61	0.41	7.59
2,200.0	4.33	197.85	2,196.1	-104.6	45.4	-104.4	0.67	0.67	-0.69
2,300.0	4.64	199.42	2,295.8	-112.0	42.9	-111.8	0.33	0.31	1.57
2,400.0	4.70	198.30	2,395.5	-119.7	40.3	-119.5	0.11	0.06	-1.12
2,500.0	4.56	200.52	2,495.2	-127.4	37.6	-127.1	0.23	-0.14	2.22
2,600.0	4.27	200.70	2,594.9	-134.6	34.9	-134.4	0.29	-0.29	0.18
2,700.0	3.91	194.60	2,694.6	-141.3	32.7	-141.2	0.56	-0.36	-6.10
2,800.0	3.93	205.47	2,794.4	-147.7	30.4	-147.6	0.74	0.02	10.87
2,900.0	3.98	203.79	2,894.1	-154.0	27.5	-153.9	0.13	0.05	-1.68
3,000.0	4.05	203.90	2,993.9	-160.4	24.7	-160.3	0.07	0.07	0.11
3,100.0	4.06	207.25	3,093.6	-166.8	21.6	-166.7	0.24	0.01	3.35
3,200.0	4.11	220.82	3,193.4	-172.6	17.7	-172.5	0.97	0.05	13.57
3,300.0	4.80	229.82	3,293.1	-178.1	12.1	-178.0	0.98	0.69	9.00
3,400.0	4.94	234.68	3,392.7	-183.2	5.4	-183.2	0.44	0.14	4.86
3,500.0	5.64	242.24	3,492.3	-188.0	-2.4	-188.0	0.99	0.70	7.56
3,600.0	6.58	244.74	3,591.7	-192.8	-12.0	-192.8	0.98	0.94	2.50
3,700.0	7.46	247.91	3,691.0	-197.6	-23.2	-197.8	0.96	0.88	3.17
3,800.0	8.33	251.21	3,790.0	-202.4	-36.0	-202.6	0.98	0.87	3.30
3,900.0	9.05	253.82	3,888.9	-206.9	-50.4	-207.2	0.82	0.72	2.61
4,000.0	9.55	251.87	3,987.6	-211.7	-65.9	-212.1	0.59	0.50	-1.95
4,100.0	10.95	249.02	4,086.0	-217.7	-82.6	-218.1	1.49	1.40	-2.85
4,200.0	12.64	246.78	4,183.9	-225.4	-101.6	-226.0	1.75	1.69	-2.24
4,300.0	14.31	246.22	4,281.1	-234.7	-122.9	-235.4	1.68	1.67	-0.56
4,400.0	15.84	252.42	4,377.7	-243.8	-147.2	-244.6	2.22	1.53	6.20
4,500.0	17.28	247.54	4,473.5	-253.6	-174.0	-254.5	2.00	1.44	-4.88
4,600.0	18.47	243.09	4,568.7	-266.5	-201.8	-267.5	1.81	1.19	-4.45
4,700.0	20.03	241.44	4,663.1	-281.8	-231.0	-283.1	1.65	1.56	-1.65
4,800.0	21.38	244.59	4,756.6	-297.8	-262.5	-299.2	1.75	1.35	3.15
4,900.0	22.06	240.29	4,849.6	-315.0	-295.3	-316.5	1.73	0.68	-4.30
5,000.0	22.87	240.91	4,942.0	-333.7	-328.6	-335.5	0.84	0.81	0.62
5,100.0	23.48	240.11	5,033.9	-353.1	-362.8	-355.0	0.69	0.61	-0.80
5,200.0	23.89	234.87	5,125.5	-374.7	-396.7	-376.8	2.14	0.41	-5.24

Stryker Directional Survey Report

Company:	Mewbourne Oil Company .	Local Co-ordinate Reference:	Well Rio Bravo 7 B3NC Fed #1H
Project:	Eddy County, New Mexico	TVD Reference:	3498 + 20 @ 3518.0usft (Patterson #41)
Site:	Section 7-21S-25E Rio Bravo 7 B3NC Fed #1H	MD Reference:	3498 + 20 @ 3518.0usft (Patterson #41)
Well:	Rio Bravo 7 B3NC Fed #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	24.92	240.35	5,216.6	-396.7	-431.5	-399.1	2.49	1.03	5.48
5,400.0	25.83	241.23	5,306.9	-417.6	-468.9	-420.2	0.99	0.91	0.88
5,500.0	26.37	238.34	5,396.7	-439.8	-506.9	-442.5	1.38	0.54	-2.89
5,600.0	26.61	238.32	5,486.2	-463.2	-544.9	-466.2	0.24	0.24	-0.02
5,700.0	27.04	237.19	5,575.5	-487.3	-583.1	-490.4	0.67	0.43	-1.13
5,800.0	26.57	239.12	5,664.7	-511.1	-621.4	-514.4	0.99	-0.47	1.93
5,900.0	24.80	238.59	5,754.8	-533.5	-658.5	-537.0	1.78	-1.77	-0.53
6,000.0	23.64	237.84	5,846.0	-555.1	-693.3	-558.8	1.20	-1.16	-0.75
6,100.0	22.34	236.69	5,938.1	-576.2	-726.2	-580.1	1.38	-1.30	-1.15
6,200.0	21.64	235.19	6,030.8	-597.2	-757.2	-601.3	0.90	-0.70	-1.50
6200' MD VES Gyro									
6,540.0	18.70	225.80	6,350.0	-671.0	-847.8	-675.6	1.28	-0.86	-2.76
6,572.0	18.10	224.80	6,380.4	-678.1	-855.0	-682.7	2.12	-1.88	-3.13
6,603.0	20.40	233.90	6,409.6	-684.7	-862.8	-689.4	12.17	7.42	29.35
6,635.0	16.10	250.10	6,440.0	-689.5	-871.4	-694.2	20.67	-13.44	50.63
6,667.0	11.00	276.00	6,471.2	-690.7	-878.7	-695.4	24.40	-15.94	80.94
6,699.0	8.10	313.50	6,502.7	-688.8	-883.3	-693.6	20.95	-9.06	117.19
6,731.0	7.40	9.00	6,534.5	-685.2	-884.7	-690.0	22.58	-2.19	173.44
6,762.0	11.50	45.20	6,565.1	-681.1	-882.1	-685.8	22.67	13.23	116.77
6,794.0	17.10	51.80	6,596.1	-675.9	-876.2	-680.6	18.20	17.50	20.63
6,826.0	23.10	48.50	6,626.1	-668.8	-867.8	-673.5	19.07	18.75	-10.31
6,858.0	25.80	45.90	6,655.3	-659.8	-858.1	-664.5	9.08	8.44	-8.13
6,890.0	27.70	42.30	6,683.8	-649.5	-848.1	-654.1	7.80	5.94	-11.25
6,921.0	29.80	40.60	6,711.0	-638.3	-838.2	-642.8	7.27	6.77	-5.48
6,953.0	33.70	42.90	6,738.2	-625.8	-827.0	-630.2	12.76	12.19	7.19
6,984.0	36.50	45.80	6,763.6	-613.0	-814.5	-617.4	10.51	9.03	9.35
7,016.0	39.10	47.40	6,788.9	-599.6	-800.3	-603.9	8.68	8.13	5.00
7,048.0	40.20	45.60	6,813.5	-585.5	-785.4	-589.7	4.97	3.44	-5.63
7,078.0	41.50	44.80	6,836.2	-571.7	-771.5	-575.8	4.67	4.33	-2.67
7,110.0	44.40	44.90	6,859.6	-556.2	-756.2	-560.3	9.06	9.06	0.31
7,142.0	48.50	46.40	6,881.7	-540.0	-739.6	-544.0	13.25	12.81	4.69
7,174.0	51.60	44.80	6,902.2	-522.9	-722.0	-526.7	10.42	9.69	-5.00
7,205.0	54.40	45.10	6,920.9	-505.3	-704.6	-509.1	9.07	9.03	0.97
7,237.0	56.10	44.40	6,939.1	-486.7	-686.0	-490.4	5.61	5.31	-2.19
7,269.0	58.00	42.90	6,956.5	-467.2	-667.5	-470.8	7.12	5.94	-4.69
7,301.0	60.00	44.20	6,973.0	-447.4	-648.6	-450.9	7.15	6.25	4.06
7,333.0	61.50	44.80	6,988.6	-427.4	-629.0	-430.8	4.96	4.69	1.88
7,365.0	63.30	44.50	7,003.4	-407.3	-609.1	-410.6	5.69	5.63	-0.94
7,397.0	64.40	42.90	7,017.6	-386.5	-589.3	-389.7	5.65	3.44	-5.00
7,428.0	66.00	42.30	7,030.6	-365.8	-570.2	-368.9	5.45	5.16	-1.94
7,460.0	68.50	41.10	7,042.9	-343.8	-550.6	-346.7	8.54	7.81	-3.75
7,492.0	72.00	40.70	7,053.7	-321.0	-530.9	-323.9	11.00	10.94	-1.25
7,522.0	75.30	42.40	7,062.2	-299.5	-511.8	-302.2	12.27	11.00	5.67

Stryker Directional Survey Report

Company:	Mewbourne Oil Company .	Local Co-ordinate Reference:	Well Rio Bravo 7 B3NC Fed #1H
Project:	Eddy County, New Mexico	TVD Reference:	3498 + 20 @ 3518.0usft (Patterson #41)
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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)
7,553.0	78.20	45.00	7,069.3	-277.6	-490.9	-280.3	12.42	9.35	8.39
7,583.0	80.90	46.10	7,074.7	-257.0	-469.9	-259.5	9.70	9.00	3.67
7,615.0	82.60	46.60	7,079.3	-235.1	-447.0	-237.5	5.53	5.31	1.56
7,647.0	82.60	46.40	7,083.4	-213.3	-424.0	-215.6	0.62	0.00	-0.63
7,679.0	83.50	46.40	7,087.3	-191.4	-401.0	-193.5	2.81	2.81	0.00
7,711.0	83.30	46.40	7,091.0	-169.5	-377.9	-171.5	0.63	-0.63	0.00
7,743.0	85.40	46.50	7,094.1	-147.5	-354.9	-149.4	6.57	6.56	0.31
7,774.0	87.00	46.30	7,096.2	-126.2	-332.5	-128.0	5.20	5.16	-0.65
7,806.0	91.40	45.10	7,096.6	-103.8	-309.6	-105.5	14.25	13.75	-3.75
7,838.0	92.40	43.70	7,095.6	-81.0	-287.2	-82.5	5.37	3.13	-4.38
7,932.0	87.80	43.20	7,095.4	-12.8	-222.6	-14.0	4.92	-4.89	-0.53
7,996.0	84.90	38.20	7,099.5	35.6	-180.9	34.6	9.02	-4.53	-7.81
8,058.0	89.30	34.80	7,102.6	85.4	-144.1	84.6	8.96	7.10	-5.48
8,090.0	89.70	34.80	7,102.9	111.7	-125.8	111.0	1.25	1.25	0.00
8,153.0	87.80	32.50	7,104.3	164.1	-90.9	163.6	4.73	-3.02	-3.65
8,248.0	87.20	25.30	7,108.4	247.1	-45.1	246.9	7.60	-0.63	-7.58
8,343.0	89.50	12.60	7,111.2	336.7	-14.3	336.7	13.58	2.42	-13.37
8,439.0	86.70	4.00	7,114.4	431.6	-0.5	431.6	9.42	-2.92	-8.96
8,534.0	86.20	2.80	7,120.3	526.2	5.1	526.3	1.37	-0.53	-1.26
8,628.0	90.90	1.40	7,122.6	620.1	8.6	620.2	5.22	5.00	-1.49
8,723.0	93.90	0.10	7,118.7	715.0	9.8	715.1	3.44	3.16	-1.37
8,818.0	92.10	359.20	7,113.7	809.9	9.2	809.9	2.12	-1.89	-0.95
8,913.0	90.80	359.20	7,111.3	904.8	7.9	904.9	1.37	-1.37	0.00
9,009.0	92.00	357.40	7,108.9	1,000.8	5.1	1,000.8	2.25	1.25	-1.88
9,104.0	91.40	356.20	7,106.1	1,095.6	-0.2	1,095.5	1.41	-0.63	-1.26
9,199.0	91.40	358.50	7,103.8	1,190.4	-4.6	1,190.4	2.42	0.00	2.42
9,294.0	93.80	0.20	7,099.5	1,285.3	-5.7	1,285.3	3.09	2.53	1.79
9,389.0	91.80	0.30	7,094.8	1,380.2	-5.3	1,380.1	2.11	-2.11	0.11
9,484.0	90.80	358.90	7,092.7	1,475.2	-6.0	1,475.1	1.81	-1.05	-1.47
9,579.0	91.20	1.20	7,091.0	1,570.1	-5.9	1,570.1	2.46	0.42	2.42
9,675.0	92.40	1.20	7,088.0	1,666.1	-3.9	1,666.0	1.25	1.25	0.00
9,769.0	91.90	0.60	7,084.5	1,760.0	-2.4	1,760.0	0.83	-0.53	-0.64
9,864.0	90.70	359.30	7,082.3	1,855.0	-2.5	1,854.9	1.86	-1.26	-1.37
9,960.0	91.60	1.50	7,080.4	1,950.9	-1.8	1,950.9	2.48	0.94	2.29
10,055.0	92.00	0.40	7,077.4	2,045.9	-0.2	2,045.8	1.23	0.42	-1.16
10,150.0	94.20	2.10	7,072.3	2,140.7	1.8	2,140.7	2.92	2.32	1.79
10,245.0	93.90	0.60	7,065.6	2,235.4	4.1	2,235.4	1.61	-0.32	-1.58
10,340.0	94.30	2.10	7,058.8	2,330.2	6.3	2,330.2	1.63	0.42	1.58
10,436.0	94.00	0.50	7,051.8	2,425.9	8.5	2,425.9	1.69	-0.31	-1.67
10,530.0	92.10	3.60	7,046.8	2,519.7	11.8	2,519.7	3.86	-2.02	3.30
10,626.0	90.90	3.60	7,044.3	2,615.5	17.9	2,615.5	1.25	-1.25	0.00
10,721.0	90.50	2.10	7,043.2	2,710.3	22.6	2,710.4	1.63	-0.42	-1.58
10,815.0	90.40	1.90	7,042.4	2,804.3	25.9	2,804.4	0.24	-0.11	-0.21
10,911.0	90.50	0.80	7,041.7	2,900.2	28.1	2,900.3	1.15	0.10	-1.15

Stryker Directional Survey Report

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Rio Bravo 7 B3NC Fed #1H
Project:	Eddy County, New Mexico	TVD Reference:	3498 + 20 @ 3518.0usft (Patterson #41)
Site:	Section 7-21S-25E Rio Bravo 7 B3NC Fed #1H	MD Reference:	3498 + 20 @ 3518.0usft (Patterson #41)
Well:	Rio Bravo 7 B3NC Fed #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)
11,005.0	90.10	359.90	7,041.2	2,994.2	28.7	2,994.3	1.05	-0.43	-0.96
11,101.0	89.90	358.90	7,041.2	3,090.2	27.7	3,090.3	1.06	-0.21	-1.04
11,196.0	91.00	358.90	7,040.4	3,185.2	25.9	3,185.3	1.16	1.16	0.00
11,291.0	90.70	358.20	7,039.0	3,280.2	23.5	3,280.2	0.80	-0.32	-0.74
11,387.0	91.20	359.90	7,037.4	3,376.1	21.9	3,376.2	1.85	0.52	1.77
11,482.0	90.80	1.20	7,035.8	3,471.1	22.8	3,471.2	1.43	-0.42	1.37
11,577.0	91.30	1.70	7,034.0	3,566.1	25.2	3,566.1	0.74	0.53	0.53
11,673.0	91.10	0.80	7,032.0	3,662.0	27.3	3,662.1	0.96	-0.21	-0.94
11,768.0	90.60	359.60	7,030.6	3,757.0	27.6	3,757.1	1.37	-0.53	-1.26
11,864.0	90.60	358.80	7,029.6	3,853.0	26.3	3,853.1	0.83	0.00	-0.83
11,959.0	90.70	358.20	7,028.5	3,947.9	23.8	3,948.0	0.64	0.11	-0.63
12,052.0	89.10	357.00	7,028.7	4,040.9	19.9	4,040.9	2.15	-1.72	-1.29
12,148.0	89.50	358.10	7,029.9	4,136.8	15.8	4,136.8	1.22	0.42	1.15
12,243.0	90.20	1.20	7,030.1	4,231.8	15.2	4,231.8	3.35	0.74	3.26
12,338.0	90.30	0.20	7,029.7	4,326.7	16.4	4,326.8	1.06	0.11	-1.05
12,433.0	90.20	359.40	7,029.3	4,421.7	16.0	4,421.8	0.85	-0.11	-0.84
12,528.0	89.90	358.80	7,029.2	4,516.7	14.5	4,516.7	0.71	-0.32	-0.63
12,623.0	89.70	357.70	7,029.5	4,611.7	11.6	4,611.7	1.18	-0.21	-1.16
12,718.0	89.50	355.80	7,030.2	4,706.5	6.3	4,706.5	2.01	-0.21	-2.00
12,732.0	89.50	355.60	7,030.3	4,720.5	5.2	4,720.4	1.43	0.00	-1.43
12,775.0	89.50	355.60	7,030.7	4,763.4	1.9	4,763.3	0.00	0.00	0.00

12775' MD Projected to Bit

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
6,200.0	6,030.8	-597.2	-757.2	6200' MD VES Gyro
12,775.0	7,030.7	4,763.4	1.9	12775' MD Projected to Bit