



PHOENIX

TECHNOLOGY SERVICES USA INC.

Celebrating 20 Years of Focused Solutions

3610 Elkins Road, Midland, Texas 79705 T. 432.684.0057 F. 432.686.7964 www.phxtech.com

January 9, 2018

Oil Conservation Division
State of New Mexico
811 S. First St.
Artesia, New Mexico 88210

NM OIL CONSERVATION
ARTESIA DISTRICT

Dear District 2 - Artesia

JAN 16 2018

Attention: Regulatory Department

RECEIVED

Re: Mewbourne Oil
Rio Bravo 17/20 W2AP Fed Com 1H
Eddy County, NM
API #30-015-44110
Job No. 61114

Enclosed please find the Survey Data Certification, and the original Plat and one copy of the Survey Report performed on the above referenced Well by Phoenix Technology Services, Inc. (P-5 No. 664171). Other information required by your office is as follows:

Name & Title of Surveyor	Drain Hole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
Andy Askew	1H	0	2,037	4/12/17	4/12/17	Gyro

A certified plat on which the bottom hole location is oriented both to the 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.

Best Regards,

Brittany Carley

Brittany Carley
Operations Administrator

NM OIL CONSERVATION
ARTESIA DISTRICT

JAN 16 2018

SURVEY CERTIFICATION FORM

3610 Elkins Road Midland, TX 79705 t:432-684-0057 f: 432-686-7964

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TECHNOLOGY SERVICES

Company: Mewbourne Oil

Job #: 61114

Well Name: Rio Bravo 17/20 W2AP Fed Com 1H

County/State: Eddy/ NM

Survey Instrument Type: North Seek Rate Gyro

API # 30-015-44110

TIE-IN DATA

0	0	0	0	0	0	Surface

First Survey

2017-04-12	0	0	0

Last Survey

2017-04-12	2037	0.63	104.45

Projected TD Survey

0	0	0	0	0.04

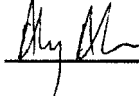
Gyro Operator: Phoenix Technology Services USA Ltd.

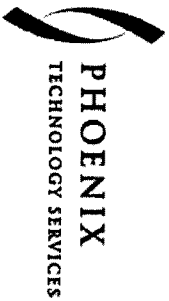
Gyro Supervisor: Angel Guebara

To the best of my knowledge I certify this survey data to be correct and true

Date: 4-12-17

Print Name: Andy Askew

Signature: 



PHOENIX
TECHNOLOGY SERVICES

Company: Mewbourne Oil
Well: Rio Bravo 17/20 WZAP Fed Com 1H
Location: Eddy Co., NM
Rig: Patterson 250

Job Number: 61114
Grid Corr.: 0.04
Lat: 32.48
Long: -104.41

Date: 04-12-17
Calculation Method: Minimum Curvature
Proposed Azimuth: 25.6
RKB - MSL in feet: Surface
Tie Into: _____

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
FIELD COPY, NON-DEFINITIVE													
Enter Tie-In Survey on Line 10													
TIE IN	0			0	0	0	0	0					
Gyro	100.00	0.79	230.90	100	100.00	-0.43	0.43 S	0.54 W	0.69	230.90	0.79	0.79	230.90
	200.00	0.66	224.79	100	199.99	-1.28	1.28 S	1.48 W	1.95	229.10	0.15	-0.13	-6.11
	300.00	0.83	229.24	100	299.98	-2.16	2.16 S	2.43 W	3.25	228.37	0.18	0.17	4.45
	400.00	0.81	238.95	100	399.97	-3.00	3.00 S	3.58 W	4.67	230.10	0.14	-0.02	9.71
	500.00	0.49	200.81	100	499.96	-3.76	3.76 S	4.34 W	5.74	229.09	0.52	-0.32	-38.14
	600.00	0.27	109.35	100	599.96	-4.24	4.24 S	4.27 W	6.02	225.21	0.57	-0.22	-91.46
	700.00	0.24	303.82	100	699.96	-4.20	4.20 S	4.22 W	5.96	225.15	0.51	-0.03	194.47
	800.00	0.25	26.78	100	799.96	-3.89	3.89 S	4.30 W	5.80	227.86	0.32	0.01	-277.04
	900.00	0.44	198.56	100	899.96	-4.06	4.06 S	4.32 W	5.93	226.80	0.69	0.19	171.78
	1000.00	0.29	232.97	100	999.96	-4.58	4.58 S	4.65 W	6.52	225.45	0.26	-0.15	34.41
	1100.00	0.58	48.52	100	1099.96	-4.39	4.39 S	4.47 W	6.27	225.50	0.87	0.29	-184.45
	1200.00	0.47	82.47	100	1199.95	-4.00	4.00 S	3.68 W	5.44	222.62	0.32	-0.11	33.95
	1300.00	0.49	59.49	100	1299.95	-3.73	3.73 S	2.91 W	4.73	217.93	0.19	0.02	-22.98
	1400.00	0.62	17.71	100	1399.95	-3.00	3.00 S	2.38 W	3.83	218.38	0.41	0.13	-41.78
	1500.00	1.07	132.25	100	1499.94	-3.11	3.11 S	1.52 W	3.46	206.03	1.44	0.45	114.54
	1600.00	0.69	128.29	100	1599.93	-4.11	4.11 S	0.36 W	4.13	184.95	0.38	-0.38	-3.96
	1700.00	0.63	109.75	100	1699.92	-4.67	4.67 S	0.63 E	4.72	172.28	0.22	-0.06	-18.54
	1800.00	0.52	115.49	100	1799.92	-5.05	5.05 S	1.56 E	5.29	162.84	0.12	-0.11	5.74
	1900.00	0.46	141.69	100	1899.91	-5.56	5.56 S	2.22 E	5.99	158.26	0.23	-0.06	26.20
	2000.00	0.63	125.26	100	1999.91	-6.20	6.20 S	2.92 E	6.85	154.79	0.23	0.17	-16.43
	2037.00	0.63	104.45	37	2036.90	-6.36	6.36 S	3.28 E	7.16	152.73	0.62	0.00	-56.24

NM OIL CONSERVATION

ARTESIA DISTRICT

Form C-102

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 27 2017

Revised August 1, 2011

Submit one copy to appropriate

District Office

RECEIVED

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-44110	² Pool Code 71120	³ Pool Name Avalon WILDCAT WOLFCAMP GAS
⁴ Property Code 317563	⁵ Property Name RIO BRAVO 17/20 W2AP FEDERAL COM	
⁷ GRID NO. 14744	⁸ Operator Name MEWBOURNE OIL COMPANY	⁶ Well Number 1H
		⁹ Elevation 3377'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	17	21S	25E		195	NORTH	1225	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	20	21S	25E		330	SOUTH	660	EAST	EDDY

¹² Dedicated Acres 640	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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.

DETAIL "A" PROJECT AREA PRODUCING AREA	GEODETIC DATA NAD 27 GRID - NM EAST SURFACE LOCATION N: 540583.2 - E: 475585.3 LAT: 32.48614937° N LONG: 104.41251231° W BOTTOM HOLE N: 530454.1 - E: 476145.9 LAT: 32.45830685° N LONG: 104.41067050° W CORNER DATA NAD 27 GRID - NM EAST A: FOUND BRASS CAP "1948" N: 530184.0 - E: 471605.2 B: FOUND BRASS CAP "1948" N: 532733.2 - E: 471605.5 C: FOUND BRASS CAP "1948" N: 535426.5 - E: 471521.8 D: FOUND BRASS CAP "1948" N: 538116.0 - E: 471510.3 E: FOUND BRASS CAP "1948" BENT N: 540805.1 - E: 471498.2 F: FOUND BRASS CAP "1948" N: 540783.2 - E: 474146.2 G: CALCULATED CORNER N: 540773.7 - E: 476810.5 H: FOUND BRASS CAP "1948" N: 538112.0 - E: 476804.3 I: FOUND BRASS CAP "1948" N: 535415.2 - E: 476812.9 J: FOUND BRASS CAP "1948" N: 532762.9 - E: 476807.8 K: FOUND BRASS CAP "1948" N: 530116.2 - E: 476805.4 L: FOUND BRASS CAP "1948" N: 530147.4 - E: 474214.7 M: FOUND BRASS CAP "1948" N: 535436.5 - E: 474153.0	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: BRADLEY BISHOP Date: 11-14-2016 Printed Name: BRADLEY BISHOP E-mail Address: BBISHOP@MEWBOURNE.COM
	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. 8-13-2014 Date of Survey Signature and Seal of Professional Surveyor 19680 Certificate Number 11-11-16 ADD B.H.	

RRC - Firm No.: TX 10193838 NM 4655451 - Job No.: LS140327A