



PHOENIX

TECHNOLOGY SERVICES USA INC.

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

Celebrating 20 Years of Focused Solutions

April 16, 2018

Oil Conservation Division
State of New Mexico
1625 N. French Drive
Hobbs, New Mexico 88240

HOBBS OCD
APR 23 2018
RECEIVED

Dear District 1 - Hobbs

Attention: Regulatory Department

Re: Mewbourne Oil
Jennings 27 W1AP Federal Com 4H
Lea County, New Mexico
API #30-025-43354
Job No. 62636

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	4H	0	822	4/15/18	4/15/18	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

SURVEY CERTIFICATION FORM



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

Company: Mewbourne

Job #: 62636

Well Name: Jennings 27 W1AP Federal Com 4H

County/State: Lea/ NM

Survey Instrument Type: North Seek Rate Gyro

API # 30-025-43354

TIE-IN DATA

Measure Depth (ft)	Vertical Depth (ft)	Inclination (°)	Azimuth (°)	N-S Coordinates	E-W Coordinates	Data Source
0	0	0	0	0	0	Surface

First Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
2018-04-15	0	0	0

Last Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
2018-04-15	822	0.61	185.67

Projected TD Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
0	0	0	0

Grid Correction
-0.36

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: 4/15/18

Print Name: Andy Askew

Signature:



Company: Mewbourne
 Well: Jennings 27 W1AP Federal Com 4H
 Location: Lea Co., NM
 Rig: Patterson 242

Job Number: 62636
 Grid Corr.: -0.36
 Lat: 32.10
 Long: -103.65

Date: 04-15-18
 Calculation Method: Minimum Curvature
 Proposed Azimuth: _____
 RKB - MSL in feet: 28.5
 Tie Into: Surface

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')	
							N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)				
Enter Tie-In Survey on Line 10													FIELD COPY, NON-DEFINITIVE	
TIE IN	0			0	0	0	0	0						
Gyro	100.00	0.35	337.81	100	100.00	0.28	0.28 N	0.12 W	0.31	337.81	0.35	0.35	337.81	
	200.00	0.44	53.13	100	200.00	0.80	0.80 N	0.08 E	0.80	5.49	0.49	0.09	-284.68	
	300.00	0.45	102.11	100	299.99	0.94	0.94 N	0.77 E	1.22	39.12	0.37	0.01	48.98	
	400.00	0.32	202.79	100	399.99	0.60	0.60 N	1.04 E	1.21	59.93	0.60	-0.13	100.68	
	500.00	0.55	124.13	100	499.99	0.08	0.08 N	1.33 E	1.33	86.67	0.58	0.23	-78.66	
	600.00	0.68	190.60	100	599.99	-0.78	0.78 S	1.62 E	1.80	115.56	0.68	0.13	66.47	
	700.00	0.55	176.20	100	699.98	-1.84	1.84 S	1.54 E	2.40	139.97	0.20	-0.13	-14.40	
	800.00	0.74	195.32	100	799.97	-2.94	2.94 S	1.40 E	3.26	154.46	0.28	0.19	19.12	
	822.00	0.61	185.67	22	821.97	-3.19	3.19 S	1.36 E	3.47	157.00	0.78	-0.59	-43.86	

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

HOPBS OCD

JUL 06 2016

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 30-029-47354	² Pool Code 97838	³ Pool Name JENNINGS UPPER BOVE SPRING
⁴ Property Code 316490	⁵ Property Name JENNINGS 27 A3AP FED COM	
⁷ GRID NO. 14744	⁸ Operator Name MEWBOURNE OIL COMPANY	⁶ Well Number 1H
⁹ Elevation 3402'		

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	27	25S	32E		185	NORTH	500	EAST	LEA

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	27	25S	32E		330	SOUTH	330	EAST	LEA

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.

