



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 15, 2018

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

Dear District 2 - Artesia

Attention: Regulatory Department

Re: Mewbourne Oil
Whitesnake 20 21 W2BC Fee #1H
Eddy County, NM
API #30-015-43497
Job No. 62224

NM OIL CONSERVATION
ARTESIA DISTRICT

JAN 22 2018

RECEIVED

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	
Leo Garza	1H	0	341	1/12/18	1/12/18	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 Oil

Job #: 62224

Well Name: Whitesnake 20 21 W2BC Fee #1H

County/State: Eddy Co., New Mexico

Survey Instrument Type: North Seek Rate Gyro

API # 30-015-43497

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 (°)
2018-01-12	0	0	0

Last Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
2018-01-12	341	0.51	280.21

Projected TD Survey

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

Grid Correction
-0.12

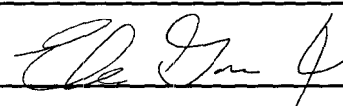
Gyro Operator: Phoenix Technology Services USA Ltd.

Gyro Supervisor: Angel Guebara

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

Date: 2018-01-12

Print Name: Leo Garza

Signature: 



PHOENIX

TECHNOLOGY SERVICES

Company: Mewbourne Oil
Well: Whitesnake 20 21 W28C Fee #1H
Location: Eddy Co., New Mexico
Rig: Patterson #231

Job Number: 62224
Grid Corr.: -0.12
Lat: 32.30
Long: -104.11

Date: 01-12-18
Calculation Method: Minimum Curvature
Proposed Azimuth: 30
RKB - MSL in feet: Surface
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	0.09	229.60	100	100.00	-0.05	0.05 S	0.06 W	0.08	229.60	0.09	0.09	229.60
	200.00	0.07	135.56	100	200.00	-0.15	0.15 S	0.08 W	0.16	207.86	0.12	-0.02	-94.04
	300.00	0.45	282.93	100	300.00	-0.10	0.10 S	0.42 W	0.43	256.36	0.51	0.38	147.37
	341.00	0.51	280.21	41	341.00	-0.03	0.03 S	0.75 W	0.75	267.51	0.16	0.15	-6.63

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

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015-43497		2 Pool Code 75750		3 Pool Name CLIEBRA BLUFF WLF CAMP, SOUTH (GAS)	
4 Property Code 315710		5 Property Name WHITESNAKE 20/21 W2BC FEE			6 Well Number 1H
7 OGRD NO. 14744		8 Operator Name MEWBOURNE OIL COMPANY			9 Elevation 3046'
10 Surface Location					
UL or lot no. B	Section 20	Township 23S	Range 28E	Lot Idn 354	Feet from the North/South line NORTH 2395
		East/West line EAST		County EDDY	
11 Bottom Hole Location If Different From Surface					
UL or lot no. C	Section 21	Township 23S	Range 28E	Lot Idn 330	Feet from the North/South line NORTH 2310
		East/West line WEST		County EDDY	
12 Dedicated Acres 320 640		13 Joint or Infill		14 Consolidation Code NSP PENDING	
				15 Order No. R-14262	

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.

GEODEIC DATA NAD 27 GRID - NM EAST SURFACE LOCATION N: 471796.9 - E: 569537.6 LAT: 32.29688566° N LONG: 104.10828680° W BOTTOM HOLE N: 471829.3 - E: 574241.3 LAT: 32.29694660° N LONG: 104.09306389° W		CORNER DATA NAD 27 GRID - NM EAST A: FOUND 1/2" REBAR N: 466808.5 - E: 566861.2 B: FOUND 1/2" REBAR N: 472159.8 - E: 566850.1 C: FOUND 1/2" REBAR N: 472151.8 - E: 569290.7 D: FOUND COTTON SPINDLE N: 472141.1 - E: 571930.0 E: FOUND YPC ILLEGABLE N: 472161.9 - E: 574581.2 F: FOUND COTTON SPINDLE N: 472182.0 - E: 577232.1 G: FOUND COTTON SPINDLE N: 469528.1 - E: 577260.0		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: <i>[Signature]</i> Date: 5-24-16 Printed Name: BRADLEY BISHOP E-mail Address:	
16 		18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual survey made by me or under my supervision same is true and correct to... Date of Sur: 11-10-20 640 acres will be dedicated to well until approval of NSP by Santa Fe.			