



NEW MEXICO OIL CONSERVATION
ARTESIA DISTRICT

APR 10 2017

RECEIVED

December 8, 2016

New Mexico Energy, Minerals and Natural Resources Department
Attn: Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

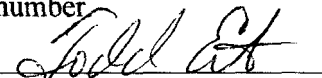
Attn: Jackie Lathan

Re: Mewbourne Oil Company
Hollywood 28 33 W2IP Federal Com #001H
Forehand Ranch; Wolfcamp (Gas)
Eddy County, New Mexico
API# 30-015-43893

Enclosed please find the original and one (1) copy of the survey performed on the reference well by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C. Other information required by your office is as follows:

<u>Name & Title</u>	<u>Drainhole No.</u>	<u>Survey Depths</u>	<u>Dates Performed</u>	<u>Type Survey</u>
Robert Steglich	Original Hole	401ft. to 2,055ft .	11-11-16 to 11-12-16	MWD Survey

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


Todd Estes

Enclosures

CC: Mewbourne Oil Company
Attn: Frosty Lathan
P.O. Box 5720
Hobbs, NM 88241

Mewbourne Oil Company
Attn: Robin Terrell
P.O. Box 5720
Hobbs, NM 88241

NMEMaNRD\Mewbourne Oil Company\Hollywood 28 33 W2IP Federal Com #1H\M161079

STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.
P.O. Box 1250
Montgomery, TX 77356
Office (936) 582-7296 * Fax (936)-588-4163



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Survey Certification Report

STATE OF TEXAS

COUNTY OF Montgomery

I, Todd Estes, certify that I am employed by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C., and that I did on the day(s) of November 11, 2016, through November 12, 2016 conduct or supervise the taking of a SEDS Original MWD Survey from a depth of 401 feet to a depth of 2,055 feet; that I am authorized and qualified to make this report; that this survey was conducted at the request of Mewbourne Oil Company, for the Hollywood 28 33 W2IP Federal Com #001H well, API # **30-015-43893** in Eddy County, New Mexico; and that I have reviewed this report and find that it conforms to the principles as set forth by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.

Todd Estes

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Microsoft
MWD Surveys

RECEIVED



Company: Newbourne Oil Company
Project: Eddy County, New Mexico
Site: Section 28-33-23S-27E Hollywood 28-33 W2IP F
Well: Hollywood 28-33 W2IP Fed Com #1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Hollywood 28-33 W2IP Fed Com #1H
TVD Reference: 3177 + 27 @ 3204.0usft (Patterson 243)
MD Reference: 3177 + 27 @ 3204.0usft (Patterson 243)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Project	Eddy County, New Mexico	System Datum:	Mean Sea Level
Map System:	US State Plane 1927 (Exact solution)		
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Section 28-33-23S-27E Hollywood 28-33 W2IP Fed Com		
Site Position:		Northings:	463,785.10 usft
From:	Map	Easting:	545,097.10 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 16' 29.920 N
		Longitude:	104° 11' 14.709 W
		Grid Convergence:	0.08 °

Well	Hollywood 28-33 W2IP Fed Com #1H		
Well Position	+N/-S 0.0 usft	Latitude:	32° 16' 29.920 N
	+E/-W 0.0 usft	Longitude:	104° 11' 14.709 W
Position Uncertainty	0.0 usft	Ground Level:	3,177.0 usft

Wellbore	Original Hole		
Magnetics		Dip Angle (°)	60.02
		Field Strength (nT)	47,970.85956716
		Declination (°)	7.31
		Sample Date	10/21/2016
		Model Name	IGRF2015

Design	Original Hole		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
Vertical Section:		Depth From (TVD) (usft)	0.0
		+N/-S (usft)	0.0
		+E/-W (usft)	0.0
		Tie On Depth:	0.0
		Direction (°)	79.95

Survey Program	Date	12/7/2016	
From (usft)	To (usft)	Survey (Wellbore)	Description
401.0	2,055.0	Vertical MWD Survey (Original Hole)	MWD v3:standard declination
		Tool Name	MWD



Microsoft
MWD Surveys



Company: Mewbourne Oil Company
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Well: Hollywood 28-33 W2IP Fed Com #1H
Wellbore: Original Hole
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Local Co-ordinate Reference:
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Well Hollywood 28-33 W2IP Fed Com #1H
3177 + 27 @ 3204.0usft (Patterson 243)
3177 + 27 @ 3204.0usft (Patterson 243)
Grid
Minimum Curvature
Stryker_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00
401.0	1.60	74.70	400.9	1.5	5.4	5.6	74.70
587.0	2.00	77.20	586.9	2.9	11.1	11.4	75.41
711.0	2.20	72.70	710.8	4.1	15.5	16.0	75.25
902.0	2.20	75.20	901.6	6.1	22.5	23.3	74.84
1,092.0	2.50	71.70	1,091.5	8.3	30.0	31.1	74.46
1,406.0	0.60	8.70	1,405.4	12.1	36.7	38.7	71.75
1,658.0	1.80	87.60	1,657.3	13.6	40.9	43.1	71.62
1,906.0	1.80	122.80	1,905.2	11.6	48.0	49.4	76.39
2,055.0	1.50	129.20	2,054.1	9.1	51.5	52.3	79.95

2055' MD Survey Depth

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Comment
2,055.0	2,054.1	9.1	51.5	2055' MD Survey Depth



COMPANY: Mewbourne Oil Company
WELL: Hollywood 28-33 W2IP Fed Com #1H
COUNTY: Eddy County, New Mexico
DATUM: NAD 1927 (NADCON CONUS)
RIG: Patterson Patterson 243



GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 7.23°

OFFICE: 936.582.7296

GEODETIC ZONE: New Mexico East 3001 3177 + 27 @ 3204.0usft (Patterson 243) GROUND ELEVATION: 3177.0						
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Spot
0.0	0.0	463785.10	545097.10	32° 16' 29.920 N	104° 11' 14.709 W	

PLAN SECTIONS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Diag	TFace	VSeet	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	9433.0	0.00	0.00	9433.0	0.0	0.0	0.00	0.00	0.0	
3	10329.7	89.66	180.84	10006.0	-569.5	-8.4	10.00	180.84	569.6	
4	17119.3	89.66	180.84	10046.0	-7358.3	-107.9	0.00	0.00	7359.1	PBHL Hollywood 28-33 W2IP Fed Com 1H

SHL 2455 FSL: 450' FEL
Section 28-23S-27E
PBHL 330' FSL: 450' FEL
Section 33-23S-27E

