

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Mewbourne Oil Company PO Box 5270 Hobbs, NM 88241		² OGRID Number 14744
		³ Reason for Filing Code/ Effective Date NW / 08/06/20
⁴ API Number 30 – 025-46768	⁵ Pool Name Scharb; Wolfcamp, Southeast	⁶ Pool Code 55650 Corrected
⁷ Property Code 327255	⁸ Property Name Hereford 29/20 W1OB Fed Com	⁹ Well Number 1H

II. ¹⁰ Surface Location

UL or lot no. O	Section 29	Township 19S	Range 35E	Lot Idn	Feet from the 205	North/South Line South	Feet from the 1330	East/West line East	County Lea
--------------------	---------------	-----------------	--------------	---------	----------------------	---------------------------	-----------------------	------------------------	---------------

¹¹ Bottom Hole Location

UL or lot no. B	Section 20	Township 19S	Range 35E	Lot Idn	Feet from the 90	North/South line North	Feet from the 1992	East/West line East	County Lea
¹² Lse Code F	¹³ Producing Method Code Flowing	¹⁴ Gas Connection Date 08/06/20	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
024650	Versado Gas Processors, LLC 6 Desta Drive Ste 3300 Midland, TX 79710	G
	Oryx 4000 N. Big Spring Suite 400 Midland, TX 79705	O

IV. Well Completion Data We are asking for an exemption from tubing at this time.

²¹ Spud Date 03/17/20	²² Ready Date 08/06/20	²³ TD 21336' MD	²⁴ PBTD 21318'	²⁵ Perforations 11025' - 21281'	²⁶ DHC, MC NA
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 ½"	13 ¾" 54.5# J55	1925'	1500		
12 ¼"	9 ⅝" 40# HCL80	3640'	1025		
8 ¾"	7 ⅝" 39# HCP110	10965'	625		
6 ½"	4 ½" 13.5# HCP110	10428' - 21336'	1350		

V. Well Test Data

³¹ Date New Oil 08/06/20	³² Gas Delivery Date 08/06/20	³³ Test Date 08/09/20	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure NA	³⁶ Csg. Pressure 2100
³⁷ Choke Size 23/64"	³⁸ Oil 440	³⁹ Water 4128	⁴⁰ Gas 250		⁴¹ Test Method Production

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: 		OIL CONSERVATION DIVISION	
Printed name: Jackie Lathan		Approved by: PATRICIA MARTINEZ	
Title: Regulatory		Title: PETROLEUM SPECIALIST	
E-mail Address: jlathan@mewbourne.com		Approval Date: 1/5/2022	
Date: 08/19/20	Phone: 575-393-5905		

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) 748-9770
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

☒ AMENDED REPORT
As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-025-46768		2 Pool Code 55650		3 Pool Name Scharb; Wolfcamp, Southeast					
4 Property Code 327255		5 Property Name HEREFORD 29/20 W10B FED COM						6 Well Number 1H	
7 GRID NO. 14744		8 Operator Name MEWBOURNE OIL COMPANY						9 Elevation 3744'	
10 Surface Location									
UL or lot no. 0	Section 29	Township 19S	Range 35E	Lot Idn	Feet from the 205	North/South line SOUTH	Feet From the 1330	East/West line EAST	County LEA
11 Bottom Hole Location If Different From Surface									
UL or lot no. B	Section 20	Township 19S	Range 35E	Lot Idn	Feet from the 40	North/South line NORTH	Feet from the 1992	East/West line EAST	County LEA
12 Dedicated Acres 320		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.

	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>8/10/20</u> Printed Name: <u>Jackie Lathan</u> E-mail Address: <u>jathan@mewbourne.com</u>
	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. Date of Survey: <u>1-17-19</u> Signature and Seal of Professional Surveyor: <u>Robert M. Howett</u> Certificate Number: <u>19680</u> 1/22/19 NAME, S.L. & B.H CHANGE

RRC - Job No.: LS18101230R

AUG 21 2020

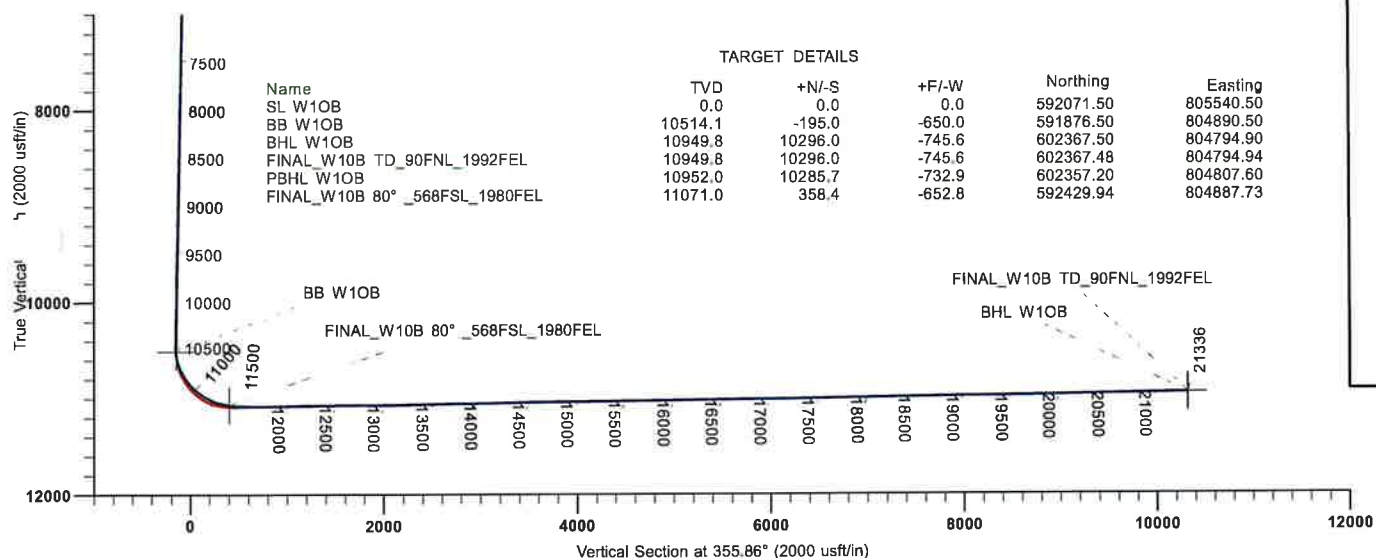
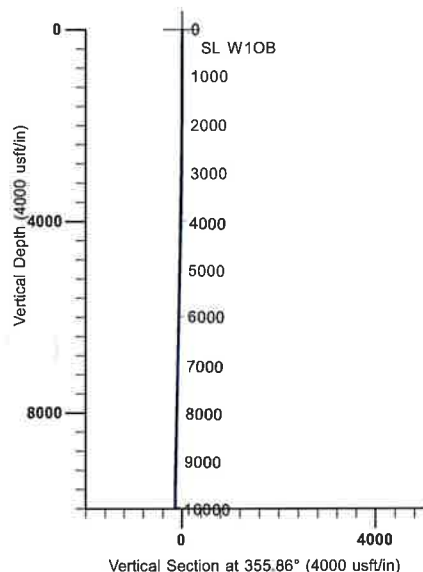
Mewbourne Oil Company

Project: Lea County, NM (NAD83) NMEZ Grid
 Site: Section 29 20-19S-35E Hereford 29/20
 Well: W10B Fed Com #1H
 Wellbore: Lateral
 Design: Lateral As Drilled



Azimuths to Grid North
 True North: -0.46°
 Magnetic North: 6.23°
 Magnetic Field
 Strength: 47886.2nT
 Dip Angle: 60.33°
 Date: 01/16/2020
 Model: IGRF2020

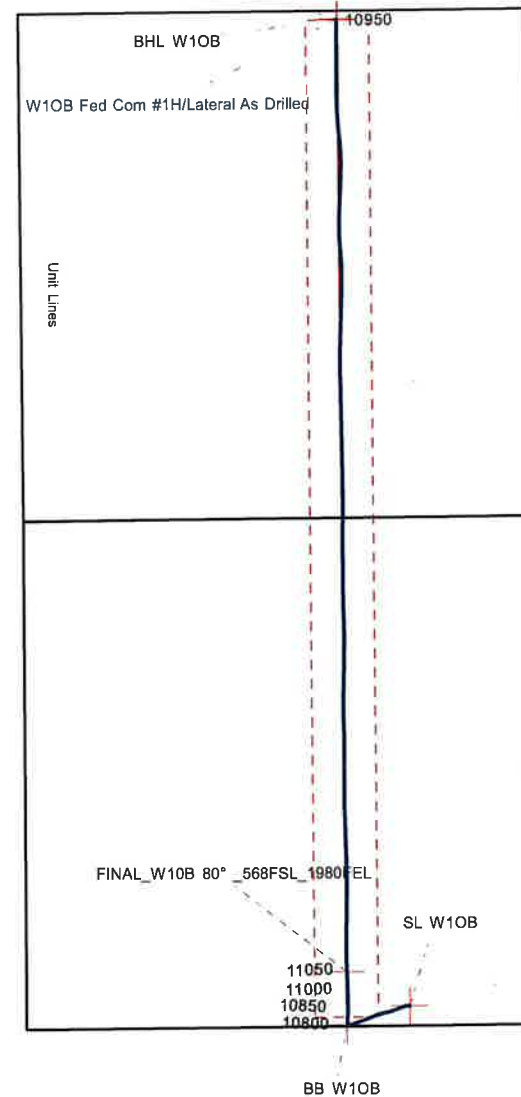
To convert a Magnetic Direction to a Grid Direction, Add 6.23°
 To convert a Magnetic Direction to a True Direction, Add 6.70° East
 Magnetic North is 6.23° East of Grid North (Magnetic Convergence)
 Magnetic North is 6.70° East of True North (Magnetic Declination)



3744+28 @ 3772.0usft (Patterson 217)
 North American Datum 1983

West(-)/East(+) (2000 usft/in)

FINAL_W10B TD_90FNL_1992FEL



Design: Lateral As Drilled (W10B Fed Com #1H/Lateral)
 Created By: Mekka Williams
 eSomina Well Design
 mekka@esominawelldesign.com
 7:43, June 04 2020

STRYKER DIRECTIONAL
 6701 FM 307
 Midland, Texas 79706 - 432-687-1121



Survey Report Landscape

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W10B Fed Com #1H
Project:	Lea County, NM (NAD83) NMEZ Grid	TVD Reference:	3744+28 @ 3772.0usft (Patterson 217)
Site:	Section 29 20-19S-35E Hereford 29/20	MD Reference:	3744+28 @ 3772.0usft (Patterson 217)
Well:	W10B Fed Com #1H	North Reference:	Grid
Wellbore:	Lateral	Survey Calculation Method:	Minimum Curvature
Design:	Lateral As Drilled	Database:	STRYKER_EDM

Project	Lea County, NM (NAD83) NMEZ Grid		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Section 29 20-19S-35E Hereford 29/20, centered on B1PA		
Site Position:		Northing:	592,071.80 usft
From:	Map	Easting:	805,570.40 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 37' 29.000 N
		Longitude:	103° 28' 30.286 W
		Grid Convergence:	0.46 °

Well		W10B Fed Com #1H				
Well Position	+N/-S	0.0 usft	Northing:	592,071.50 usft	Latitude:	32° 37' 29.000 N
	+E/-W	0.0 usft	Easting:	805,540.50 usft	Longitude:	103° 28' 30.636 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	28.0 usft	Ground Level:	3,744.0 usft	

Wellbore	Lateral				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	01/16/20	6.70	60.33	47,886.15569754

Design		Lateral As Drilled			
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	355.86	

Survey Report Landscape

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W10B Fed Com #1H
Project:	Lea County, NM (NAD83) NMEZ Grid	TVD Reference:	3744+28 @ 3772.0usft (Patterson 217)
Site:	Section 29 20-19S-35E Hereford 29/20	MD Reference:	3744+28 @ 3772.0usft (Patterson 217)
Well:	W10B Fed Com #1H	North Reference:	Grid
Wellbore:	Lateral	Survey Calculation Method:	Minimum Curvature
Design:	Lateral As Drilled	Database:	STRYKER_EDM

Survey Program		Date	06/04/20		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
129.0	1,915.0	Survey #1 (Lateral)	SRG-GYRO-MS	surface readout gyro multishot	
2,044.0	21,297.0	Survey #2 Stryker (Lateral)	MWD	MWD v3:standard declination	
21,336.0	21,336.0	Survey #3 (Lateral)	Projection	Projection	

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	592,071.50	805,540.50
SL W10B - HRFD 29/20 W10B FC 1H SHL										
129.0	0.20	304.69	129.0	0.1	-0.2	0.2	304.69	0.16	592,071.63	805,540.31
189.0	0.20	313.69	189.0	0.3	-0.3	0.4	306.86	0.05	592,071.76	805,540.15
282.0	0.20	73.69	282.0	0.4	-0.3	0.5	323.55	0.37	592,071.92	805,540.19
367.0	0.30	165.69	367.0	0.2	-0.1	0.3	335.49	0.43	592,071.74	805,540.39
458.0	0.20	33.69	458.0	0.1	0.0	0.1	13.87	0.50	592,071.65	805,540.54
547.0	0.20	154.69	547.0	0.1	0.2	0.2	54.59	0.39	592,071.63	805,540.69
636.0	0.10	219.69	636.0	-0.1	0.2	0.2	107.89	0.20	592,071.43	805,540.71
729.0	0.10	187.69	729.0	-0.2	0.1	0.3	145.72	0.06	592,071.29	805,540.64
913.0	0.30	106.69	913.0	-0.5	0.6	0.8	131.02	0.16	592,070.99	805,541.08
1,102.0	0.30	314.69	1,102.0	-0.3	0.7	0.8	113.11	0.31	592,071.20	805,541.20
1,290.0	0.20	37.69	1,290.0	0.3	0.6	0.6	61.22	0.18	592,071.81	805,541.06
1,478.0	0.30	312.69	1,478.0	0.9	0.4	1.0	23.69	0.18	592,072.40	805,540.89
1,574.0	0.30	250.69	1,574.0	1.0	0.0	1.0	358.39	0.32	592,072.49	805,540.47
1,667.0	0.20	181.69	1,667.0	0.7	-0.3	0.8	340.56	0.32	592,072.24	805,540.24
1,761.0	0.20	70.69	1,761.0	0.6	-0.1	0.6	349.94	0.35	592,072.13	805,540.39
1,856.0	0.50	335.69	1,856.0	1.1	-0.1	1.1	353.23	0.58	592,072.57	805,540.37
1,915.0	0.50	354.69	1,915.0	1.6	-0.3	1.6	350.65	0.28	592,073.06	805,540.24
2,044.0	1.20	300.10	2,044.0	2.8	-1.5	3.2	332.14	0.77	592,074.29	805,539.02
2,136.0	2.80	274.70	2,135.9	3.5	-4.6	5.7	307.27	1.95	592,074.96	805,535.95

Survey Report Landscape

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W10B Fed Com #1H
Project:	Lea County, NM (NAD83) NMEZ Grid	TVD Reference:	3744+28 @ 3772.0usft (Patterson 217)
Site:	Section 29 20-19S-35E Hereford 29/20	MD Reference:	3744+28 @ 3772.0usft (Patterson 217)
Well:	W10B Fed Com #1H	North Reference:	Grid
Wellbore:	Lateral	Survey Calculation Method:	Minimum Curvature
Design:	Lateral As Drilled	Database:	STRYKER_EDM

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLog (°/100usft)	Northing (usft)	Easting (usft)	
2,227.0	4.70	273.40	2,226.7	3.9	-10.5	11.2	290.23	2.09	592,075.37	805,530.01	
2,416.0	5.40	267.20	2,415.0	3.9	-27.1	27.4	278.17	0.47	592,075.39	805,513.40	
2,605.0	5.10	253.70	2,603.2	1.1	-44.0	44.1	271.43	0.67	592,072.60	805,496.45	
2,794.0	4.10	254.00	2,791.6	-3.1	-58.6	58.7	266.95	0.53	592,068.38	805,481.90	
2,984.0	4.00	253.10	2,981.1	-6.9	-71.5	71.8	264.47	0.06	592,064.58	805,469.03	
3,173.0	4.20	251.00	3,169.6	-11.1	-84.3	85.1	262.51	0.13	592,060.41	805,456.17	
3,361.0	3.60	250.70	3,357.2	-15.3	-96.4	97.6	260.99	0.32	592,056.22	805,444.09	
3,548.0	2.80	248.30	3,543.9	-18.9	-106.2	107.9	259.90	0.43	592,052.59	805,434.31	
3,611.0	2.30	245.30	3,606.8	-20.0	-108.8	110.6	259.58	0.82	592,051.49	805,431.73	
3,692.0	1.80	238.30	3,687.8	-21.4	-111.3	113.4	259.14	0.69	592,050.14	805,429.17	
3,881.0	5.80	249.90	3,876.3	-26.2	-122.8	125.6	257.96	2.14	592,045.30	805,417.67	
4,071.0	5.90	249.20	4,065.3	-33.0	-141.0	144.8	256.84	0.06	592,038.53	805,399.53	
4,260.0	5.80	250.90	4,253.4	-39.5	-159.1	163.9	256.04	0.11	592,031.96	805,381.42	
4,446.0	5.40	252.00	4,438.5	-45.3	-176.3	182.0	255.58	0.22	592,026.18	805,364.22	
4,634.0	5.00	250.50	4,625.7	-50.8	-192.4	199.0	255.21	0.22	592,020.71	805,348.08	
4,823.0	4.60	250.30	4,814.0	-56.1	-207.3	214.8	254.86	0.21	592,015.41	805,333.18	
5,012.0	5.10	253.70	5,002.4	-61.0	-222.5	230.7	254.67	0.31	592,010.49	805,317.99	
5,200.0	5.60	256.90	5,189.5	-65.4	-239.5	248.2	254.72	0.31	592,006.07	805,301.03	
5,390.0	5.60	257.90	5,378.6	-69.5	-257.6	266.8	254.90	0.05	592,002.02	805,282.94	
5,579.0	5.70	258.30	5,566.7	-73.3	-275.8	285.3	255.11	0.06	591,998.19	805,264.73	
5,768.0	5.40	259.40	5,754.8	-76.9	-293.7	303.6	255.34	0.17	591,994.65	805,246.80	
5,955.0	5.50	260.10	5,941.0	-80.0	-311.2	321.3	255.58	0.06	591,991.49	805,229.32	
6,144.0	5.10	247.10	6,129.2	-84.8	-327.8	338.6	255.49	0.67	591,986.66	805,212.66	
6,331.0	5.00	245.50	6,315.5	-91.5	-342.9	354.9	255.07	0.09	591,980.05	805,197.59	
6,519.0	4.40	247.20	6,502.8	-97.6	-357.0	370.1	254.70	0.33	591,973.86	805,183.49	
6,708.0	4.20	247.80	6,691.3	-103.1	-370.1	384.2	254.44	0.11	591,968.43	805,170.39	
6,898.0	4.20	245.50	6,880.8	-108.6	-382.9	398.0	254.17	0.09	591,962.92	805,157.62	

Survey Report Landscape

Company: Mewbourne Oil Company
 Project: Lea County, NM (NAD83) NMEZ Grid
 Site: Section 29 20-19S-35E Hereford 29/20
 Well: W10B Fed Com #1H
 Wellbore: Lateral
 Design: Lateral As Drilled

Local Co-ordinate Reference: Well W10B Fed Com #1H
 TVD Reference: 3744+28 @ 3772.0usft (Patterson 217)
 MD Reference: 3744+28 @ 3772.0usft (Patterson 217)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: STRYKER_EDM

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
7,087.0	4.80	251.50	7,069.2	-114.0	-396.7	412.7	253.97	0.40	591,957.54	805,143.82	
7,276.0	4.80	252.80	7,257.5	-118.8	-411.7	428.5	253.90	0.06	591,952.69	805,128.77	
7,465.0	4.60	252.90	7,445.9	-123.4	-426.5	444.0	253.87	0.11	591,948.13	805,113.97	
7,654.0	4.70	249.90	7,634.3	-128.3	-441.0	459.3	253.78	0.14	591,943.24	805,099.46	
7,841.0	4.70	249.20	7,820.6	-133.6	-455.4	474.6	253.65	0.03	591,937.88	805,085.10	
8,028.0	4.40	250.00	8,007.1	-138.8	-469.3	489.4	253.52	0.16	591,932.71	805,071.20	
8,215.0	3.80	248.00	8,193.6	-143.6	-481.8	502.7	253.41	0.33	591,927.93	805,058.71	
8,404.0	3.90	251.70	8,382.2	-147.9	-493.7	515.4	253.32	0.14	591,923.57	805,046.80	
8,592.0	4.60	249.90	8,569.6	-152.5	-506.8	529.3	253.25	0.38	591,918.97	805,033.65	
8,780.0	4.70	243.20	8,757.0	-158.6	-520.8	544.4	253.06	0.29	591,912.91	805,019.70	
8,968.0	4.90	251.70	8,944.4	-164.6	-535.3	560.0	252.91	0.39	591,906.91	805,005.20	
9,156.0	4.50	249.20	9,131.7	-169.7	-549.8	575.4	252.84	0.24	591,901.77	804,990.68	
9,344.0	4.20	252.40	9,319.2	-174.4	-563.3	589.7	252.79	0.21	591,897.07	804,977.23	
9,533.0	4.00	249.40	9,507.7	-178.8	-576.0	603.2	252.75	0.16	591,892.66	804,964.46	
9,722.0	5.50	255.20	9,696.0	-183.5	-591.0	618.8	252.75	0.83	591,888.03	804,949.53	
9,911.0	5.00	254.60	9,884.3	-188.0	-607.7	636.1	252.81	0.27	591,883.53	804,932.83	
10,099.0	4.20	249.30	10,071.6	-192.6	-622.0	651.1	252.80	0.48	591,878.92	804,918.49	
10,288.0	3.40	248.90	10,260.2	-197.0	-633.7	663.6	252.73	0.42	591,874.45	804,906.79	
10,448.0	2.90	248.40	10,420.0	-200.2	-641.9	672.4	252.67	0.31	591,871.26	804,898.60	
10,504.0	2.20	253.60	10,475.9	-201.1	-644.2	674.9	252.67	1.32	591,870.43	804,896.25	
10,542.6	4.63	336.11	10,514.5	-199.9	-645.6	675.8	252.80	12.60	591,871.65	804,894.91	
BB W10B											
10,542.8	4.63	336.11	10,514.6	-199.8	-645.6	675.8	252.80	0.00	591,871.66	804,894.90	
HRFD 29/20 W10B FC 1H KOP											
10,551.0	5.60	341.00	10,522.8	-199.2	-645.9	675.9	252.86	12.89	591,872.35	804,894.64	
10,598.0	11.20	349.60	10,569.3	-192.5	-647.4	675.4	253.44	12.18	591,879.01	804,893.07	
10,645.0	16.50	359.20	10,614.9	-181.3	-648.4	673.2	254.38	12.25	591,890.18	804,892.15	

AUG 21 2020

Survey Report Landscape

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W10B Fed Com #1H
Project:	Lea County, NM (NAD83) NMEZ Grid	TVD Reference:	3744+28 @ 3772.0usft (Patterson 217)
Site:	Section 29 20-19S-35E Hereford 29/20	MD Reference:	3744+28 @ 3772.0usft (Patterson 217)
Wells:	W10B Fed Com #1H	North Reference:	Grid
Wellbore:	Lateral	Survey Calculation Method:	Minimum Curvature
Design:	Lateral As Drilled	Database:	STRYKER_EDM

Survey												
MD (usft)	Incl (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	EW (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (/100usft)	Northing (usft)	Easting (usft)		
10,693.0	21.10	4.20	10,660.4	-165.9	-647.8	668.7	255.64	10.15	591,905.62	804,892.69		
10,740.0	25.00	4.70	10,703.6	-147.5	-646.4	663.0	257.14	8.31	591,923.97	804,894.12		
10,788.0	29.20	1.50	10,746.3	-125.7	-645.2	657.4	258.98	9.26	591,945.79	804,895.26		
10,835.0	33.80	1.80	10,786.4	-101.2	-644.5	652.4	261.08	9.79	591,970.33	804,895.97		
10,882.0	37.40	2.80	10,824.6	-73.8	-643.4	647.6	263.45	7.76	591,997.66	804,897.08		
10,929.0	42.10	2.60	10,860.7	-43.8	-642.0	643.5	266.09	10.00	592,027.67	804,898.49		
10,976.0	47.60	1.90	10,894.0	-10.7	-640.7	640.8	269.04	11.75	592,060.78	804,899.78		
11,023.0	51.20	359.00	10,924.6	25.0	-640.5	640.9	272.23	8.98	592,096.46	804,900.04		
11,070.0	54.60	358.70	10,953.0	62.4	-641.2	644.2	275.56	7.25	592,133.93	804,899.28		
11,117.0	58.70	357.40	10,978.8	101.7	-642.6	650.6	278.99	9.02	592,173.16	804,897.94		
11,152.0	61.90	357.60	10,996.2	132.0	-643.9	657.3	281.59	9.16	592,203.53	804,896.61		
11,176.0	62.70	357.70	11,007.3	153.3	-644.8	662.7	283.37	3.35	592,224.76	804,895.74		
11,223.0	67.00	358.40	11,027.3	195.8	-646.2	675.2	286.85	9.25	592,267.27	804,894.30		
11,271.0	73.10	357.80	11,043.6	240.8	-647.7	691.0	290.40	12.76	592,312.34	804,892.80		
11,318.0	76.80	357.40	11,055.9	286.2	-649.6	709.8	293.78	7.92	592,357.68	804,890.90		
11,364.0	78.40	357.60	11,065.7	331.1	-651.6	730.8	296.94	3.50	592,402.56	804,888.94		
11,391.9	80.00	357.36	11,071.0	358.4	-652.8	744.7	298.77	5.80	592,429.95	804,887.73		
Wellpath is @ 80° - FINAL_W10B 80°_568FSL_1980FEL												
11,411.0	81.10	357.20	11,074.1	377.3	-653.7	754.7	299.99	5.81	592,448.76	804,886.84		
11,421.1	81.83	357.55	11,075.6	387.3	-654.1	760.2	300.63	7.98	592,458.76	804,886.38		
HRFD 29/20 W10B FC 1H LP												
11,458.0	84.50	358.80	11,080.0	423.9	-655.3	780.4	302.90	7.98	592,495.35	804,885.22		
11,505.0	86.10	358.90	11,083.8	470.7	-656.2	807.6	305.65	3.41	592,542.18	804,884.28		
11,551.0	89.90	359.50	11,085.4	516.6	-656.9	835.7	308.19	8.36	592,588.14	804,883.63		
11,645.0	92.60	1.20	11,083.4	610.6	-656.3	896.4	312.93	3.39	592,682.11	804,884.21		
11,740.0	90.20	0.20	11,081.1	705.6	-655.1	962.8	317.12	2.74	592,777.06	804,885.37		
11,835.0	90.50	0.20	11,080.5	800.6	-654.8	1,034.2	320.72	0.32	592,872.06	804,885.70		

Survey Report Landscape

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W10B Fed Com #1H
Project:	Lea County, NM (NAD83) NMEZ Grid	TVD Reference:	3744+28 @ 3772.0usft (Patterson 217)
Site:	Section 29 20-19S-35E Hereford 29/20	MD Reference:	3744+28 @ 3772.0usft (Patterson 217)
Well:	W10B Fed Com #1H	North Reference:	Grid
Wellbore:	Lateral	Survey Calculation Method:	Minimum Curvature
Design:	Lateral As Drilled	Database:	STRYKER_EDM

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (1/100usft)	Northing (usft)	Easting (usft)	
11,928.0	91.30	0.30	11,079.0	893.5	-654.4	1,107.5	323.78	0.87	592,965.05	804,886.10	
12,023.0	92.50	0.40	11,075.9	988.5	-653.8	1,185.2	326.52	1.27	593,059.99	804,886.68	
12,117.0	90.40	0.50	11,073.5	1,082.5	-653.1	1,264.2	328.90	2.24	593,153.95	804,887.42	
12,211.0	90.20	1.00	11,073.0	1,176.4	-651.8	1,345.0	331.01	0.57	593,247.94	804,888.65	
12,306.0	90.10	0.70	11,072.8	1,271.4	-650.4	1,428.1	332.91	0.33	593,342.93	804,890.06	
12,400.0	90.50	358.80	11,072.3	1,365.4	-650.8	1,512.6	334.51	2.07	593,436.93	804,889.65	
12,494.0	90.40	358.60	11,071.5	1,459.4	-653.0	1,598.8	335.89	0.24	593,530.90	804,887.52	
12,589.0	90.00	358.40	11,071.2	1,554.4	-655.5	1,686.9	337.14	0.47	593,625.87	804,885.03	
12,684.0	90.20	358.50	11,071.0	1,649.3	-658.0	1,775.8	338.25	0.24	593,720.83	804,882.46	
12,777.0	90.50	358.70	11,070.5	1,742.3	-660.3	1,863.2	339.24	0.39	593,813.80	804,880.19	
12,872.0	89.20	358.00	11,070.7	1,837.3	-663.0	1,953.2	340.16	1.55	593,908.76	804,877.46	
12,967.0	90.10	357.40	11,071.3	1,932.2	-666.9	2,044.0	340.96	1.14	594,003.68	804,873.64	
13,061.0	90.90	359.00	11,070.5	2,026.1	-669.8	2,134.0	341.71	1.90	594,097.62	804,870.69	
13,156.0	89.60	358.10	11,070.1	2,121.1	-672.2	2,225.1	342.42	1.66	594,192.59	804,868.29	
13,250.0	93.40	1.30	11,067.6	2,215.0	-672.7	2,314.9	343.11	5.28	594,286.53	804,867.79	
13,345.0	91.80	0.70	11,063.3	2,309.9	-671.1	2,405.4	343.80	1.80	594,381.41	804,869.45	
13,439.0	90.90	359.90	11,061.1	2,403.9	-670.6	2,495.7	344.41	1.28	594,475.38	804,869.94	
13,533.0	91.20	359.80	11,059.3	2,497.9	-670.8	2,586.4	344.97	0.34	594,569.37	804,869.69	
13,627.0	91.30	359.60	11,057.3	2,591.8	-671.3	2,677.4	345.48	0.24	594,663.34	804,869.20	
13,720.0	90.80	359.50	11,055.6	2,684.8	-672.0	2,767.7	345.95	0.55	594,756.32	804,868.47	
13,814.0	90.10	358.90	11,054.9	2,778.8	-673.3	2,859.2	346.38	0.98	594,850.31	804,867.16	
13,909.0	90.20	358.30	11,054.6	2,873.8	-675.7	2,952.1	346.77	0.64	594,945.28	804,864.84	
14,004.0	91.60	357.80	11,053.1	2,968.7	-678.9	3,045.3	347.12	1.56	595,040.21	804,861.61	
14,110.0	91.50	359.70	11,050.2	3,074.6	-681.2	3,149.2	347.51	1.79	595,146.14	804,859.29	
14,205.0	91.60	1.20	11,047.7	3,169.6	-680.5	3,241.8	347.88	1.58	595,241.10	804,860.04	
14,300.0	91.80	1.00	11,044.9	3,264.5	-678.6	3,334.3	348.26	0.30	595,336.04	804,861.86	
14,394.0	91.20	1.00	11,042.4	3,358.5	-677.0	3,426.1	348.60	0.64	595,430.00	804,863.50	

Survey Report Landscape

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W10B Fed Com #1H
Project:	Lea County, NM (NAD83) NMEZ Grid	TVD Reference:	3744+28 @ 3772.0usft (Patterson 217)
Site:	Section 29 20-19S-35E Hereford 29/20	MD Reference:	3744+28 @ 3772.0usft (Patterson 217)
Well:	W10B Fed Com #1H	North Reference:	Grid
Wellbore:	Lateral	Survey Calculation Method:	Minimum Curvature
Design:	Lateral As Drilled	Database:	STRYKER_EDM

Survey											
MD (usft)	Incl (°)	Azi (azimuth) (°)	TVD (usft)	NS (usft)	EW (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (%/100usft)	Northing (usft)	Easting (usft)	
14,489.0	91.10	0.80	11,040.5	3,453.5	-675.5	3,518.9	348.93	0.24	595,524.97	804,865.00	
14,584.0	90.80	0.80	11,038.9	3,548.4	-674.2	3,611.9	349.24	0.32	595,619.94	804,866.32	
14,678.0	90.20	0.40	11,038.1	3,642.4	-673.2	3,704.1	349.53	0.77	595,713.93	804,867.31	
14,772.0	90.90	1.70	11,037.2	3,736.4	-671.5	3,796.3	349.81	1.57	595,807.91	804,869.03	
14,867.0	90.70	0.20	11,035.9	3,831.4	-669.9	3,889.5	350.08	1.59	595,902.89	804,870.60	
14,962.0	90.70	359.50	11,034.7	3,926.4	-670.1	3,983.2	350.31	0.74	595,997.88	804,870.35	
15,056.0	90.50	357.40	11,033.7	4,020.3	-672.7	4,076.2	350.50	2.24	596,091.83	804,867.81	
15,151.0	90.40	357.40	11,033.0	4,115.2	-677.0	4,170.5	350.66	0.11	596,186.73	804,863.50	
15,245.0	90.50	358.60	11,032.2	4,209.2	-680.3	4,263.8	350.82	1.28	596,280.67	804,860.22	
15,340.0	90.40	359.60	11,031.5	4,304.2	-681.8	4,357.8	351.00	1.06	596,375.65	804,858.73	
15,434.0	90.60	359.10	11,030.7	4,398.1	-682.8	4,450.8	351.17	0.57	596,469.64	804,857.66	
15,529.0	90.80	359.60	11,029.5	4,493.1	-683.9	4,544.9	351.35	0.57	596,564.63	804,856.59	
15,624.0	90.60	359.60	11,028.3	4,588.1	-684.6	4,638.9	351.51	0.21	596,659.62	804,855.92	
15,719.0	90.50	359.50	11,027.4	4,683.1	-685.3	4,733.0	351.67	0.15	596,754.61	804,855.18	
15,813.0	90.50	359.40	11,026.6	4,777.1	-686.2	4,826.1	351.83	0.11	596,848.61	804,854.27	
15,907.0	90.80	0.30	11,025.5	4,871.1	-686.5	4,919.2	351.98	1.01	596,942.60	804,854.03	
16,001.0	90.90	1.70	11,024.2	4,965.1	-684.8	5,012.1	352.15	1.49	597,036.57	804,855.67	
16,096.0	91.30	1.60	11,022.3	5,060.0	-682.1	5,105.8	352.32	0.43	597,131.51	804,858.40	
16,191.0	90.60	359.00	11,020.8	5,155.0	-681.6	5,199.9	352.47	2.83	597,226.49	804,858.90	
16,285.0	90.90	358.80	11,019.5	5,249.0	-683.4	5,293.3	352.58	0.38	597,320.47	804,857.10	
16,380.0	90.80	359.00	11,018.1	5,343.9	-685.2	5,387.7	352.69	0.24	597,415.44	804,855.27	
16,474.0	90.70	359.00	11,016.9	5,437.9	-686.9	5,481.1	352.80	0.11	597,509.42	804,853.63	
16,568.0	90.70	359.30	11,015.7	5,531.9	-688.3	5,574.5	352.91	0.32	597,603.40	804,852.24	
16,663.0	90.60	358.80	11,014.7	5,626.9	-689.8	5,669.0	353.01	0.54	597,698.38	804,850.66	
16,759.0	90.20	358.50	11,014.0	5,722.8	-692.1	5,764.5	353.10	0.52	597,794.35	804,848.40	
16,852.0	90.50	359.20	11,013.4	5,815.8	-694.0	5,857.1	353.20	0.82	597,887.33	804,846.54	
16,946.0	90.40	359.10	11,012.7	5,909.8	-695.4	5,950.6	353.29	0.15	597,981.32	804,845.14	

Survey Report Landscape

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W10B Fed Com #1H
Project:	Lea County, NM (NAD83) NMEZ Grid	TVD Reference:	3744+28 @ 3772.0usft (Patterson 217)
Site:	Section 29 20-19S-35E Hereford 29/20	MD Reference:	3744+28 @ 3772.0usft (Patterson 217)
Well:	W10B Fed Com #1H	North Reference:	Grid
Wellbore:	Lateral	Survey Calculation Method:	Minimum Curvature
Design:	Lateral As Drilled	Database:	STRYKER_EDM

MD (usft)	Incl (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (%/100usft)	Northing (usft)	Easting (usft)
17,040.0	90.20	358.80	11,012.2	6,003.8	-697.1	6,044.1	353.38	0.38	598,075.30	804,843.42
17,135.0	90.70	359.80	11,011.4	6,098.8	-698.2	6,138.6	353.47	1.18	598,170.29	804,842.26
17,229.0	90.60	359.00	11,010.4	6,192.8	-699.2	6,232.1	353.56	0.86	598,264.27	804,841.27
17,323.0	91.00	358.80	11,009.1	6,286.7	-701.0	6,325.7	353.64	0.48	598,358.25	804,839.47
17,418.0	90.70	358.60	11,007.7	6,381.7	-703.2	6,420.3	353.71	0.38	598,453.21	804,837.31
17,512.0	90.90	358.00	11,006.3	6,475.7	-706.0	6,514.0	353.78	0.67	598,547.16	804,834.53
17,607.0	91.00	358.50	11,004.8	6,570.6	-708.9	6,608.7	353.84	0.54	598,642.10	804,831.62
17,701.0	91.10	359.60	11,003.0	6,664.6	-710.4	6,702.3	353.92	1.17	598,736.07	804,830.07
17,795.0	90.60	0.40	11,001.7	6,758.6	-710.4	6,795.8	354.00	1.00	598,830.06	804,830.07
17,889.0	91.10	0.70	11,000.3	6,852.5	-709.5	6,889.2	354.09	0.62	598,924.05	804,830.97
17,983.0	91.80	1.00	10,997.9	6,946.5	-708.1	6,982.5	354.18	0.81	599,018.01	804,832.36
18,078.0	91.00	1.70	10,995.6	7,041.5	-705.9	7,076.7	354.28	1.12	599,112.95	804,834.60
18,173.0	91.50	2.70	10,993.5	7,136.4	-702.3	7,170.8	354.38	1.18	599,207.86	804,838.25
18,267.0	90.90	1.80	10,991.5	7,230.3	-698.6	7,263.9	354.48	1.15	599,301.76	804,841.94
18,362.0	91.30	1.50	10,989.7	7,325.2	-695.8	7,358.2	354.57	0.53	599,396.70	804,844.67
18,456.0	90.20	0.70	10,988.5	7,419.2	-694.0	7,451.6	354.66	1.45	599,490.68	804,846.47
18,550.0	90.50	0.60	10,987.9	7,513.2	-693.0	7,545.1	354.73	0.34	599,584.67	804,847.54
18,644.0	90.60	0.00	10,987.0	7,607.2	-692.5	7,638.6	354.80	0.65	599,678.66	804,848.03
18,737.0	90.50	359.00	10,986.1	7,700.2	-693.3	7,731.3	354.86	1.08	599,771.65	804,847.22
18,830.0	90.20	356.50	10,985.5	7,793.1	-696.9	7,824.2	354.89	2.71	599,864.57	804,843.57
18,924.0	90.00	355.70	10,985.4	7,886.9	-703.3	7,918.2	354.90	0.88	599,958.35	804,837.18
19,017.0	90.20	355.90	10,985.2	7,979.6	-710.1	8,011.1	354.91	0.30	600,051.10	804,830.37
19,111.0	90.50	358.20	10,984.6	8,073.5	-715.0	8,105.1	354.94	2.47	600,144.97	804,825.53
19,204.0	90.50	0.40	10,983.8	8,166.5	-716.1	8,197.8	354.99	2.37	600,237.96	804,824.39
19,299.0	90.40	1.70	10,983.1	8,261.4	-714.4	8,292.3	355.06	1.37	600,332.93	804,826.13
19,393.0	90.40	2.20	10,982.4	8,355.4	-711.2	8,385.6	355.13	0.53	600,426.88	804,829.33
19,487.0	91.80	2.80	10,980.6	8,449.3	-707.1	8,478.8	355.22	1.62	600,520.77	804,833.43

Survey Report Landscape

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W10B Fed Com #1H
Project:	Lea County, NM (NAD83) NMEZ Grid	TVD Reference:	3744+28 @ 3772.0usft (Patterson 217)
Site:	Section 29 20-19S-35E Hereford 29/20	MD Reference:	3744+28 @ 3772.0usft (Patterson 217)
Well:	W10B Fed Com #1H	North Reference:	Grid
Wellbore:	Lateral	Survey Calculation Method:	Minimum Curvature
Design:	Lateral As Drilled	Database:	STRYKER_EDM

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (/100usft)	Northing (usft)	Easting (usft)	
19,581.0	90.50	1.60	10,978.7	8,543.2	-703.5	8,572.1	355.29	1.88	600,614.68	804,837.04	
19,675.0	91.50	1.10	10,977.1	8,637.1	-701.2	8,665.6	355.36	1.19	600,708.63	804,839.25	
19,769.0	91.90	0.80	10,974.3	8,731.1	-699.7	8,759.1	355.42	0.53	600,802.58	804,840.81	
19,863.0	91.20	0.60	10,971.7	8,825.0	-698.5	8,852.6	355.47	0.77	600,896.54	804,841.96	
19,958.0	89.90	356.70	10,970.8	8,920.0	-700.8	8,947.5	355.51	4.33	600,991.49	804,839.72	
20,053.0	90.90	355.50	10,970.2	9,014.8	-707.2	9,042.5	355.51	1.64	601,086.26	804,833.26	
20,148.0	90.90	353.50	10,968.7	9,109.3	-716.3	9,137.4	355.50	2.11	601,180.81	804,824.16	
20,243.0	91.40	353.70	10,966.8	9,203.7	-726.9	9,232.4	355.48	0.57	601,275.20	804,813.57	
20,340.0	92.20	356.70	10,963.7	9,300.3	-735.0	9,329.3	355.48	3.20	601,371.80	804,805.46	
20,435.0	91.20	358.00	10,960.9	9,395.1	-739.4	9,424.2	355.50	1.73	601,466.65	804,801.07	
20,530.0	91.80	359.30	10,958.4	9,490.1	-741.7	9,519.0	355.53	1.51	601,561.59	804,798.83	
20,624.0	91.50	359.60	10,955.7	9,584.0	-742.6	9,612.8	355.57	0.45	601,655.54	804,797.93	
20,719.0	91.40	0.10	10,953.3	9,679.0	-742.8	9,707.5	355.61	0.54	601,750.51	804,797.68	
20,813.0	90.60	359.50	10,951.7	9,773.0	-743.1	9,801.2	355.65	1.06	601,844.50	804,797.35	
20,908.0	90.60	359.60	10,950.7	9,868.0	-743.9	9,896.0	355.69	0.11	601,939.49	804,796.60	
21,003.0	90.60	359.80	10,949.7	9,963.0	-744.4	9,990.8	355.73	0.21	602,034.48	804,796.11	
21,098.0	89.80	0.10	10,949.3	10,058.0	-744.5	10,085.5	355.77	0.90	602,129.48	804,796.02	
21,193.0	90.00	359.70	10,949.5	10,153.0	-744.6	10,180.3	355.81	0.47	602,224.48	804,795.86	
21,287.0	89.80	359.60	10,949.7	10,247.0	-745.2	10,274.0	355.84	0.24	602,318.48	804,795.28	
21,297.0	89.90	359.60	10,949.7	10,257.0	-745.3	10,284.0	355.84	1.00	602,328.48	804,795.21	
21,325.6	89.90	359.60	10,949.8	10,285.6	-745.5	10,312.6	355.85	0.00	602,357.12	804,795.01	
PBHL W10B - HRFD 29/20 W10B FC 1H PBHL_100FNL_1980FEL											
21,336.0	89.90	359.60	10,949.8	10,296.0	-745.6	10,322.9	355.86	0.00	602,367.48	804,794.94	
TD - FINAL_W10B TD_90FNL_1992FEL - BHL W10B											

Survey Report Landscape

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W10B Fed Com #1H
Project:	Lea County, NM (NAD83) NMEZ Grid	TVD Reference:	3744+28 @ 3772.0usft (Patterson 217)
Site:	Section 29 20-19S-35E Hereford 29/20	MD Reference:	3744+28 @ 3772.0usft (Patterson 217)
Well:	W10B Fed Com #1H	North Reference:	Grid
Wellbore:	Lateral	Survey Calculation Method:	Minimum Curvature
Design:	Lateral As Drilled	Database:	STRYKER_EDM

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
11,391.9	11,071.0	358.4	-652.8	Wellpath is @ 80°
21,336.0	10,949.8	10,296.0	-745.6	TD

Checked By: _____ Approved By: _____ Date: _____



June 11, 2020

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
 Hereford 29 20 W1OB Federal Com #1H
 Scharb; Wolfcamp
 Lea County, New Mexico
 API# 30-025-46768

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>
Cody Hash	Original Hole	2,044ft. to 21,297ft.	03-20-20 to 04-13-20	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.


 Eric Estes

Enclosures

CC:

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

NMEMaNRD\Mewbourne Oil Company\Hereford 29 20 W1OB Fed Com #1HM201012

STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.

P.O. Box 1250
Montgomery, TX 77356
Office (936) 582-7296 * Fax (936)-588-4163



June 11, 2020

Survey Certification Report

STATE OF TEXAS

COUNTY OF Montgomery

I, Eric Estes, certify that I am employed by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C., and that I did on the day(s) of March 20, 2020, through April 13, 2020 conduct or supervise the taking of a SEDS Original Hole MWD Survey from a depth of 2,044feet to a depth of 21,297feet; that I am authorized and qualified to make this report; that this survey was conducted at the request of Mewbourne Oil Company, for the Hereford 29 20 W1OB Federal Com #1H, well API # 30-025-46768 in Lea 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.

A handwritten signature in black ink, appearing to read "Eric Estes", is written over a horizontal line.

Eric Estes

STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.

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

Survey Report Landscape

Company: Mewbourne Oil Company
Project: Lea County, NM (NAD83) NMEZ Grid
Site: Section 29 20-19S-35E Hereford 29/20
Well: W10B Fed Com #1H
Wellbore: Lateral
Design: Lateral As Drilled

Local Co-ordinate Reference: Well W10B Fed Com #1H
TVD Reference: 3744+28 @ 3772.0usft (Patterson 217)
MD Reference: 3744+28 @ 3772.0usft (Patterson 217)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: STRYKER_EDM

Survey Program Date 06/04/20

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
129.0	1,915.0	Survey #1 (Lateral)	SRG-GYRO-MS	surface readout gyro multishot
2,044.0	21,297.0	Survey #2 Stryker (Lateral)	MWD	MWD v3:standard declination
21,336.0	21,336.0	Survey #3 (Lateral)	Projection	Projection

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	592,071.50	805,540.50
SL W10B - HRFD 29/20 W10B FC 1H SHL										
129.0	0.20	304.69	129.0	0.1	-0.2	0.2	304.69	0.16	592,071.63	805,540.31
189.0	0.20	313.69	189.0	0.3	-0.3	0.4	306.86	0.05	592,071.76	805,540.15
282.0	0.20	73.69	282.0	0.4	-0.3	0.5	323.55	0.37	592,071.92	805,540.19
367.0	0.30	165.69	367.0	0.2	-0.1	0.3	335.49	0.43	592,071.74	805,540.39
458.0	0.20	33.69	458.0	0.1	0.0	0.1	13.87	0.50	592,071.65	805,540.54
547.0	0.20	154.69	547.0	0.1	0.2	0.2	54.59	0.39	592,071.63	805,540.69
636.0	0.10	219.69	636.0	-0.1	0.2	0.2	107.89	0.20	592,071.43	805,540.71
729.0	0.10	187.69	729.0	-0.2	0.1	0.3	145.72	0.06	592,071.29	805,540.64
913.0	0.30	106.69	913.0	-0.5	0.6	0.8	131.02	0.16	592,070.99	805,541.08
1,102.0	0.30	314.69	1,102.0	-0.3	0.7	0.8	113.11	0.31	592,071.20	805,541.20
1,290.0	0.20	37.69	1,290.0	0.3	0.6	0.6	61.22	0.18	592,071.81	805,541.06
1,478.0	0.30	312.69	1,478.0	0.9	0.4	1.0	23.69	0.18	592,072.40	805,540.89
1,574.0	0.30	250.69	1,574.0	1.0	0.0	1.0	358.39	0.32	592,072.49	805,540.47
1,667.0	0.20	181.69	1,667.0	0.7	-0.3	0.8	340.56	0.32	592,072.24	805,540.24
1,761.0	0.20	70.69	1,761.0	0.6	-0.1	0.6	349.94	0.35	592,072.13	805,540.39
1,856.0	0.50	335.69	1,856.0	1.1	-0.1	1.1	353.23	0.58	592,072.57	805,540.37
1,915.0	0.50	354.69	1,915.0	1.6	-0.3	1.6	350.65	0.28	592,073.06	805,540.24
2,044.0	1.20	300.10	2,044.0	2.8	-1.5	3.2	332.14	0.77	592,074.29	805,539.02
2,136.0	2.80	274.70	2,135.9	3.5	-4.6	5.7	307.27	1.95	592,074.96	805,535.95

Survey Report Landscape

Company: Mewbourne Oil Company
Project: Lea County, NM (NAD83) NMEZ Grid
Site: Section 29 20-19S-35E Hereford 29/20
Well: W10B Fed Com #1H
Wellbore: Lateral
Design: Lateral As Drilled

Local Co-ordinate Reference: Well W10B Fed Com #1H
TVD Reference: 3744+28 @ 3772.0usft (Patterson 217)
MD Reference: 3744+28 @ 3772.0usft (Patterson 217)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: STRYKER_EDM

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
2,227.0	4.70	273.40	2,226.7	3.9	-10.5	11.2	290.23	2.09	592,075.37	805,530.01	
2,416.0	5.40	267.20	2,415.0	3.9	-27.1	27.4	278.17	0.47	592,075.39	805,513.40	
2,605.0	5.10	253.70	2,603.2	1.1	-44.0	44.1	271.43	0.67	592,072.60	805,496.45	
2,794.0	4.10	254.00	2,791.6	-3.1	-58.6	58.7	266.95	0.53	592,068.38	805,481.90	
2,984.0	4.00	253.10	2,981.1	-6.9	-71.5	71.8	264.47	0.06	592,064.58	805,469.03	
3,173.0	4.20	251.00	3,169.6	-11.1	-84.3	85.1	262.51	0.13	592,060.41	805,456.17	
3,361.0	3.60	250.70	3,357.2	-15.3	-96.4	97.6	260.99	0.32	592,056.22	805,444.09	
3,548.0	2.80	248.30	3,543.9	-18.9	-106.2	107.9	259.90	0.43	592,052.59	805,434.31	
3,611.0	2.30	245.30	3,606.8	-20.0	-108.8	110.6	259.58	0.82	592,051.49	805,431.73	
3,692.0	1.80	238.30	3,687.8	-21.4	-111.3	113.4	259.14	0.69	592,050.14	805,429.17	
3,881.0	5.80	249.90	3,876.3	-26.2	-122.8	125.6	257.96	2.14	592,045.30	805,417.67	
4,071.0	5.90	249.20	4,065.3	-33.0	-141.0	144.8	256.84	0.06	592,038.53	805,399.53	
4,260.0	5.80	250.90	4,253.4	-39.5	-159.1	163.9	256.04	0.11	592,031.96	805,381.42	
4,446.0	5.40	252.00	4,438.5	-45.3	-176.3	182.0	255.58	0.22	592,026.18	805,364.22	
4,634.0	5.00	250.50	4,625.7	-50.8	-192.4	199.0	255.21	0.22	592,020.71	805,348.08	
4,823.0	4.60	250.30	4,814.0	-56.1	-207.3	214.8	254.86	0.21	592,015.41	805,333.18	
5,012.0	5.10	253.70	5,002.4	-61.0	-222.5	230.7	254.67	0.31	592,010.49	805,317.99	
5,200.0	5.60	256.90	5,189.5	-65.4	-239.5	248.2	254.72	0.31	592,006.07	805,301.03	
5,390.0	5.60	257.90	5,378.6	-69.5	-257.6	266.8	254.90	0.05	592,002.02	805,282.94	
5,579.0	5.70	258.30	5,566.7	-73.3	-275.8	285.3	255.11	0.06	591,998.19	805,264.73	
5,768.0	5.40	259.40	5,754.8	-76.9	-293.7	303.6	255.34	0.17	591,994.65	805,246.80	
5,955.0	5.50	260.10	5,941.0	-80.0	-311.2	321.3	255.58	0.06	591,991.49	805,229.32	
6,144.0	5.10	247.10	6,129.2	-84.8	-327.8	338.6	255.49	0.67	591,986.66	805,212.66	
6,331.0	5.00	245.50	6,315.5	-91.5	-342.9	354.9	255.07	0.09	591,980.05	805,197.59	
6,519.0	4.40	247.20	6,502.8	-97.6	-357.0	370.1	254.70	0.33	591,973.86	805,183.49	
6,708.0	4.20	247.80	6,691.3	-103.1	-370.1	384.2	254.44	0.11	591,968.43	805,170.39	
6,898.0	4.20	245.50	6,880.8	-108.6	-382.9	398.0	254.17	0.09	591,962.92	805,157.62	

Survey Report Landscape

Company: Mewbourne Oil Company
Project: Lea County, NM (NAD83) NMEZ Grid
Site: Section 29 20-19S-35E Hereford 29/20
Well: W10B Fed Com #1H
Wellbore: Lateral
Design: Lateral As Drilled

Local Co-ordinate Reference: Well W10B Fed Com #1H
TVD Reference: 3744+28 @ 3772.0usft (Patterson 217)
MD Reference: 3744+28 @ 3772.0usft (Patterson 217)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: STRYKER_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
7,087.0	4.80	251.50	7,069.2	-114.0	-396.7	412.7	253.97	0.40	591,957.54	805,143.82
7,276.0	4.80	252.80	7,257.5	-118.8	-411.7	428.5	253.90	0.06	591,952.69	805,128.77
7,465.0	4.60	252.90	7,445.9	-123.4	-426.5	444.0	253.87	0.11	591,948.13	805,113.97
7,654.0	4.70	249.90	7,634.3	-128.3	-441.0	459.3	253.78	0.14	591,943.24	805,099.46
7,841.0	4.70	249.20	7,820.6	-133.6	-455.4	474.6	253.65	0.03	591,937.88	805,085.10
8,028.0	4.40	250.00	8,007.1	-138.8	-469.3	489.4	253.52	0.16	591,932.71	805,071.20
8,215.0	3.80	248.00	8,193.6	-143.6	-481.8	502.7	253.41	0.33	591,927.93	805,058.71
8,404.0	3.90	251.70	8,382.2	-147.9	-493.7	515.4	253.32	0.14	591,923.57	805,046.80
8,592.0	4.60	249.90	8,569.6	-152.5	-506.8	529.3	253.25	0.38	591,918.97	805,033.65
8,780.0	4.70	243.20	8,757.0	-158.6	-520.8	544.4	253.06	0.29	591,912.91	805,019.70
8,968.0	4.90	251.70	8,944.4	-164.6	-535.3	560.0	252.91	0.39	591,906.91	805,005.20
9,156.0	4.50	249.20	9,131.7	-169.7	-549.8	575.4	252.84	0.24	591,901.77	804,990.88
9,344.0	4.20	252.40	9,319.2	-174.4	-563.3	589.7	252.79	0.21	591,897.07	804,977.23
9,533.0	4.00	249.40	9,507.7	-178.8	-576.0	603.2	252.75	0.16	591,892.66	804,964.46
9,722.0	5.50	255.20	9,696.0	-183.5	-591.0	618.8	252.75	0.83	591,888.03	804,949.53
9,911.0	5.00	254.60	9,884.3	-188.0	-607.7	636.1	252.81	0.27	591,883.53	804,932.83
10,099.0	4.20	249.30	10,071.6	-192.6	-622.0	651.1	252.80	0.48	591,878.92	804,918.49
10,288.0	3.40	248.90	10,260.2	-197.0	-633.7	663.6	252.73	0.42	591,874.45	804,906.79
10,448.0	2.90	248.40	10,420.0	-200.2	-641.9	672.4	252.67	0.31	591,871.26	804,898.60
10,504.0	2.20	253.60	10,475.9	-201.1	-644.2	674.9	252.67	1.32	591,870.43	804,896.25
10,542.6	4.63	336.11	10,514.5	-199.9	-645.6	675.8	252.80	12.60	591,871.65	804,894.91
BB W10B										
10,542.8	4.63	336.11	10,514.6	-199.8	-645.6	675.8	252.80	0.00	591,871.66	804,894.90
HRFD 29/20 W10B FC 1H KOP										
10,551.0	5.60	341.00	10,522.8	-199.2	-645.9	675.9	252.86	12.89	591,872.35	804,894.64
10,598.0	11.20	349.60	10,569.3	-192.5	-647.4	675.4	253.44	12.18	591,879.01	804,893.07
10,645.0	16.50	359.20	10,614.9	-181.3	-648.4	673.2	254.38	12.25	591,890.18	804,892.15

Survey Report Landscape

Company: Mewbourne Oil Company
Project: Lea County, NM (NAD83) NMEZ Grid
Site: Section 29 20-19S-35E Hereford 29/20
Well: W10B Fed Com #1H
Wellbore: Lateral
Design: Lateral As Drilled

Local Co-ordinate Reference: Well W10B Fed Com #1H
TVD Reference: 3744+28 @ 3772.0usft (Patterson 217)
MD Reference: 3744+28 @ 3772.0usft (Patterson 217)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: STRYKER_EDM

Survey												
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)	Northing (usft)	Easting (usft)		
10,693.0	21.10	4.20	10,660.4	-165.9	-647.8	668.7	255.64	10.15	591,905.62	804,892.69		
10,740.0	25.00	4.70	10,703.6	-147.5	-646.4	663.0	257.14	8.31	591,923.97	804,894.12		
10,788.0	29.20	1.50	10,746.3	-125.7	-645.2	657.4	258.98	9.26	591,945.79	804,895.26		
10,835.0	33.80	1.80	10,786.4	-101.2	-644.5	652.4	261.08	9.79	591,970.33	804,895.97		
10,882.0	37.40	2.80	10,824.6	-73.8	-643.4	647.6	263.45	7.76	591,997.66	804,897.08		
10,929.0	42.10	2.60	10,860.7	-43.8	-642.0	643.5	266.09	10.00	592,027.67	804,898.49		
10,976.0	47.60	1.90	10,894.0	-10.7	-640.7	640.8	269.04	11.75	592,060.78	804,899.78		
11,023.0	51.20	359.00	10,924.6	25.0	-640.5	640.9	272.23	8.98	592,096.46	804,900.04		
11,070.0	54.60	358.70	10,953.0	62.4	-641.2	644.2	275.56	7.25	592,133.93	804,899.28		
11,117.0	58.70	357.40	10,978.8	101.7	-642.6	650.6	278.99	9.02	592,173.16	804,897.94		
11,152.0	61.90	357.60	10,996.2	132.0	-643.9	657.3	281.59	9.16	592,203.53	804,896.61		
11,176.0	62.70	357.70	11,007.3	153.3	-644.8	662.7	283.37	3.35	592,224.76	804,895.74		
11,223.0	67.00	358.40	11,027.3	195.8	-648.2	675.2	286.85	9.25	592,267.27	804,894.30		
11,271.0	73.10	357.80	11,043.6	240.8	-647.7	691.0	290.40	12.76	592,312.34	804,892.80		
11,318.0	76.80	357.40	11,055.9	286.2	-649.6	709.8	293.78	7.92	592,357.68	804,890.90		
11,364.0	78.40	357.60	11,065.7	331.1	-651.6	730.8	296.94	3.50	592,402.56	804,888.94		
11,391.9	80.00	357.36	11,071.0	358.4	-652.8	744.7	298.77	5.80	592,429.95	804,887.73		
Wellpath is @ 80° - FINAL_W10B 80°_568FSL_1980FEL												
11,411.0	81.10	357.20	11,074.1	377.3	-653.7	754.7	299.99	5.81	592,448.76	804,886.84		
11,421.1	81.83	357.55	11,075.6	387.3	-654.1	760.2	300.63	7.98	592,458.76	804,886.38		
HRFD 29/20 W10B FC 1H LP												
11,458.0	84.50	358.80	11,080.0	423.9	-655.3	780.4	302.90	7.98	592,495.35	804,885.22		
11,505.0	86.10	358.90	11,083.8	470.7	-656.2	807.6	305.65	3.41	592,542.18	804,884.28		
11,551.0	89.90	359.50	11,085.4	516.6	-656.9	835.7	308.19	8.36	592,588.14	804,883.63		
11,645.0	92.60	1.20	11,083.4	610.6	-656.3	896.4	312.93	3.39	592,682.11	804,884.21		
11,740.0	90.20	0.20	11,081.1	705.6	-655.1	962.8	317.12	2.74	592,777.06	804,885.37		
11,835.0	90.50	0.20	11,080.5	800.6	-654.8	1,034.2	320.72	0.32	592,872.06	804,885.70		

Survey Report Landscape

Company: Mewbourne Oil Company
Project: Lea County, NM (NAD83) NMEZ Grid
Site: Section 29 20-19S-35E Hereford 29/20
Well: W1OB Fed Com #1H
Wellbore: Lateral
Design: Lateral As Drilled

Local Co-ordinate Reference: Well W1OB Fed Com #1H
TVD Reference: 3744+28 @ 3772.0usft (Patterson 217)
MD Reference: 3744+28 @ 3772.0usft (Patterson 217)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: STRYKER_EDM

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
11,928.0	91.30	0.30	11,079.0	893.5	-654.4	1,107.5	323.78	0.87	592,965.05	804,886.10
12,023.0	92.50	0.40	11,075.9	988.5	-653.8	1,185.2	326.52	1.27	593,059.99	804,886.68
12,117.0	90.40	0.50	11,073.5	1,082.5	-653.1	1,264.2	328.90	2.24	593,153.95	804,887.42
12,211.0	90.20	1.00	11,073.0	1,176.4	-651.8	1,345.0	331.01	0.57	593,247.94	804,888.65
12,306.0	90.10	0.70	11,072.8	1,271.4	-650.4	1,428.1	332.91	0.33	593,342.93	804,890.06
12,400.0	90.50	358.80	11,072.3	1,365.4	-650.8	1,512.6	334.51	2.07	593,436.93	804,889.65
12,494.0	90.40	358.60	11,071.5	1,459.4	-653.0	1,598.8	335.89	0.24	593,530.90	804,887.52
12,589.0	90.00	358.40	11,071.2	1,554.4	-655.5	1,686.9	337.14	0.47	593,625.87	804,885.03
12,684.0	90.20	358.50	11,071.0	1,649.3	-658.0	1,775.8	338.25	0.24	593,720.83	804,882.46
12,777.0	90.50	358.70	11,070.5	1,742.3	-660.3	1,863.2	339.24	0.39	593,813.80	804,880.19
12,872.0	89.20	358.00	11,070.7	1,837.3	-663.0	1,953.2	340.16	1.55	593,908.76	804,877.46
12,967.0	90.10	357.40	11,071.3	1,932.2	-666.9	2,044.0	340.96	1.14	594,003.68	804,873.64
13,061.0	90.90	359.00	11,070.5	2,026.1	-669.8	2,134.0	341.71	1.90	594,097.62	804,870.69
13,156.0	89.60	358.10	11,070.1	2,121.1	-672.2	2,225.1	342.42	1.66	594,192.59	804,868.29
13,250.0	93.40	1.30	11,067.6	2,215.0	-672.7	2,314.9	343.11	5.28	594,286.53	804,867.79
13,345.0	91.80	0.70	11,063.3	2,309.9	-671.1	2,405.4	343.80	1.80	594,381.41	804,869.45
13,439.0	90.90	359.90	11,061.1	2,403.9	-670.6	2,495.7	344.41	1.28	594,475.38	804,869.94
13,533.0	91.20	359.80	11,059.3	2,497.9	-670.8	2,586.4	344.97	0.34	594,569.37	804,869.69
13,627.0	91.30	359.60	11,057.3	2,591.8	-671.3	2,677.4	345.48	0.24	594,663.34	804,869.20
13,720.0	90.80	359.50	11,055.6	2,684.8	-672.0	2,767.7	345.95	0.55	594,756.32	804,868.47
13,814.0	90.10	358.90	11,054.9	2,778.8	-673.3	2,859.2	346.38	0.98	594,850.31	804,867.16
13,909.0	90.20	358.30	11,054.6	2,873.8	-675.7	2,952.1	346.77	0.64	594,945.28	804,864.84
14,004.0	91.60	357.80	11,053.1	2,968.7	-678.9	3,045.3	347.12	1.56	595,040.21	804,861.61
14,110.0	91.50	359.70	11,050.2	3,074.6	-681.2	3,149.2	347.51	1.79	595,146.14	804,859.29
14,205.0	91.60	1.20	11,047.7	3,169.6	-680.5	3,241.8	347.88	1.58	595,241.10	804,860.04
14,300.0	91.80	1.00	11,044.9	3,264.5	-678.6	3,334.3	348.26	0.30	595,336.04	804,861.86
14,394.0	91.20	1.00	11,042.4	3,358.5	-677.0	3,426.1	348.60	0.64	595,430.00	804,863.50

Survey Report Landscape

Company: Mewbourne Oil Company
Project: Lea County, NM (NAD83) NMEZ Grid
Site: Section 29 20-19S-35E Hereford 29/20
Well: W10B Fed Com #1H
Wellbore: Lateral
Design: Lateral As Drilled

Local Co-ordinate Reference: Well W10B Fed Com #1H
TVD Reference: 3744+28 @ 3772.0usft (Patterson 217)
MD Reference: 3744+28 @ 3772.0usft (Patterson 217)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: STRYKER_EDM

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
14,489.0	91.10	0.80	11,040.5	3,453.5	-675.5	3,518.9	348.93	0.24	595,524.97	804,865.00	
14,584.0	90.80	0.80	11,038.9	3,548.4	-674.2	3,611.9	349.24	0.32	595,619.94	804,866.32	
14,678.0	90.20	0.40	11,038.1	3,642.4	-673.2	3,704.1	349.53	0.77	595,713.93	804,867.31	
14,772.0	90.90	1.70	11,037.2	3,736.4	-671.5	3,796.3	349.81	1.57	595,807.91	804,869.03	
14,867.0	90.70	0.20	11,035.9	3,831.4	-669.9	3,889.5	350.08	1.59	595,902.89	804,870.80	
14,962.0	90.70	359.50	11,034.7	3,926.4	-670.1	3,983.2	350.31	0.74	595,997.88	804,870.35	
15,056.0	90.50	357.40	11,033.7	4,020.3	-672.7	4,076.2	350.50	2.24	596,091.83	804,867.81	
15,151.0	90.40	357.40	11,033.0	4,115.2	-677.0	4,170.5	350.68	0.11	596,186.73	804,863.50	
15,245.0	90.50	358.60	11,032.2	4,209.2	-680.3	4,263.8	350.82	1.28	596,280.67	804,860.22	
15,340.0	90.40	359.60	11,031.5	4,304.2	-681.8	4,357.8	351.00	1.06	596,375.65	804,858.73	
15,434.0	90.60	359.10	11,030.7	4,398.1	-682.8	4,450.8	351.17	0.57	596,469.64	804,857.66	
15,529.0	90.80	359.60	11,029.5	4,493.1	-683.9	4,544.9	351.35	0.57	596,564.63	804,856.59	
15,624.0	90.60	359.60	11,028.3	4,588.1	-684.6	4,638.9	351.51	0.21	596,659.62	804,855.92	
15,719.0	90.50	359.50	11,027.4	4,683.1	-685.3	4,733.0	351.67	0.15	596,754.61	804,855.18	
15,813.0	90.50	359.40	11,026.6	4,777.1	-686.2	4,826.1	351.83	0.11	596,848.61	804,854.27	
15,907.0	90.80	0.30	11,025.5	4,871.1	-686.5	4,919.2	351.98	1.01	596,942.60	804,854.03	
16,001.0	90.90	1.70	11,024.2	4,965.1	-684.8	5,012.1	352.15	1.49	597,036.57	804,855.67	
16,096.0	91.30	1.60	11,022.3	5,060.0	-682.1	5,105.8	352.32	0.43	597,131.51	804,858.40	
16,191.0	90.60	359.00	11,020.8	5,155.0	-681.6	5,199.9	352.47	2.83	597,226.49	804,858.90	
16,285.0	90.90	358.80	11,019.5	5,249.0	-683.4	5,293.3	352.58	0.38	597,320.47	804,857.10	
16,380.0	90.80	359.00	11,018.1	5,343.9	-685.2	5,387.7	352.69	0.24	597,415.44	804,855.27	
16,474.0	90.70	359.00	11,016.9	5,437.9	-686.9	5,481.1	352.80	0.11	597,509.42	804,853.63	
16,568.0	90.70	359.30	11,015.7	5,531.9	-688.3	5,574.5	352.91	0.32	597,603.40	804,852.24	
16,663.0	90.60	358.80	11,014.7	5,626.9	-689.8	5,669.0	353.01	0.54	597,698.38	804,850.66	
16,759.0	90.20	358.50	11,014.0	5,722.8	-692.1	5,764.5	353.10	0.52	597,794.35	804,848.40	
16,852.0	90.50	359.20	11,013.4	5,815.8	-694.0	5,857.1	353.20	0.82	597,887.33	804,846.54	
16,946.0	90.40	359.10	11,012.7	5,909.8	-695.4	5,950.6	353.29	0.15	597,981.32	804,845.14	

Survey Report Landscape

Company: Mewbourne Oil Company
Project: Lea County, NM (NAD83) NMEZ Grid
Site: Section 29 20-19S-35E Hereford 29/20
Well: W10B Fed Com #1H
Wellbore: Lateral
Design: Lateral As Drilled

Local Co-ordinate Reference: Well W10B Fed Com #1H
TVD Reference: 3744+28 @ 3772.0usft (Patterson 217)
MD Reference: 3744+28 @ 3772.0usft (Patterson 217)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: STRYKER_EDM

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
17,040.0	90.20	358.80	11,012.2	6,003.8	-697.1	6,044.1	353.38	0.38	598,075.30	804,843.42	
17,135.0	90.70	359.80	11,011.4	6,098.8	-698.2	6,138.6	353.47	1.18	598,170.29	804,842.26	
17,229.0	90.60	359.00	11,010.4	6,192.8	-699.2	6,232.1	353.56	0.86	598,264.27	804,841.27	
17,323.0	91.00	358.80	11,009.1	6,286.7	-701.0	6,325.7	353.64	0.48	598,358.25	804,839.47	
17,418.0	90.70	358.60	11,007.7	6,381.7	-703.2	6,420.3	353.71	0.38	598,453.21	804,837.31	
17,512.0	90.90	358.00	11,006.3	6,475.7	-706.0	6,514.0	353.78	0.67	598,547.16	804,834.53	
17,607.0	91.00	358.50	11,004.8	6,570.6	-708.9	6,608.7	353.84	0.54	598,642.10	804,831.62	
17,701.0	91.10	359.60	11,003.0	6,664.6	-710.4	6,702.3	353.92	1.17	598,736.07	804,830.07	
17,795.0	90.60	0.40	11,001.7	6,758.6	-710.4	6,795.8	354.00	1.00	598,830.06	804,830.07	
17,889.0	91.10	0.70	11,000.3	6,852.5	-709.5	6,889.2	354.09	0.62	598,924.05	804,830.97	
17,983.0	91.80	1.00	10,997.9	6,946.5	-708.1	6,982.5	354.18	0.81	599,018.01	804,832.36	
18,078.0	91.00	1.70	10,995.6	7,041.5	-705.9	7,076.7	354.28	1.12	599,112.95	804,834.60	
18,173.0	91.50	2.70	10,993.5	7,136.4	-702.3	7,170.8	354.38	1.18	599,207.86	804,838.25	
18,267.0	90.90	1.80	10,991.5	7,230.3	-698.6	7,263.9	354.48	1.15	599,301.76	804,841.94	
18,362.0	91.30	1.50	10,989.7	7,325.2	-695.8	7,358.2	354.57	0.53	599,396.70	804,844.67	
18,456.0	90.20	0.70	10,988.5	7,419.2	-694.0	7,451.6	354.66	1.45	599,490.68	804,846.47	
18,550.0	90.50	0.60	10,987.9	7,513.2	-693.0	7,545.1	354.73	0.34	599,584.67	804,847.54	
18,644.0	90.60	0.00	10,987.0	7,607.2	-692.5	7,638.6	354.80	0.65	599,678.66	804,848.03	
18,737.0	90.50	359.00	10,986.1	7,700.2	-693.3	7,731.3	354.86	1.08	599,771.65	804,847.22	
18,830.0	90.20	356.50	10,985.5	7,793.1	-696.9	7,824.2	354.89	2.71	599,864.57	804,843.57	
18,924.0	90.00	355.70	10,985.4	7,886.9	-703.3	7,918.2	354.90	0.88	599,958.35	804,837.18	
19,017.0	90.20	355.90	10,985.2	7,979.6	-710.1	8,011.1	354.91	0.30	600,051.10	804,830.37	
19,111.0	90.50	358.20	10,984.6	8,073.5	-715.0	8,105.1	354.94	2.47	600,144.97	804,825.53	
19,204.0	90.50	0.40	10,983.8	8,166.5	-716.1	8,197.8	354.99	2.37	600,237.96	804,824.39	
19,299.0	90.40	1.70	10,983.1	8,261.4	-714.4	8,292.3	355.06	1.37	600,332.93	804,826.13	
19,393.0	90.40	2.20	10,982.4	8,355.4	-711.2	8,385.6	355.13	0.53	600,426.88	804,829.33	
19,487.0	91.80	2.80	10,980.6	8,449.3	-707.1	8,478.8	355.22	1.62	600,520.77	804,833.43	

Survey Report Landscape

Company: Mewbourne Oil Company
Project: Lea County, NM (NAD83) NMEZ Grid
Site: Section 29 20-19S-35E Hereford 29/20
Well: W10B Fed Com #1H
Wellbore: Lateral
Design: Lateral As Drilled

Local Co-ordinate Reference: Well W10B Fed Com #1H
TVD Reference: 3744+28 @ 3772.0usft (Patterson 217)
MD Reference: 3744+28 @ 3772.0usft (Patterson 217)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: STRYKER_EDM

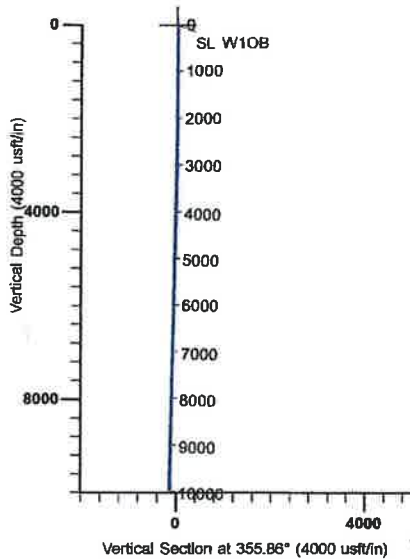
Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)		TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
19,581.0	90.50	1.60		10,978.7	8,543.2	-703.5	8,572.1	355.29	1.88	600,614.68	804,837.04
19,675.0	91.50	1.10		10,977.1	8,637.1	-701.2	8,665.6	355.36	1.19	600,708.63	804,839.25
19,769.0	91.90	0.80		10,974.3	8,731.1	-699.7	8,759.1	355.42	0.53	600,802.58	804,840.81
19,863.0	91.20	0.60		10,971.7	8,825.0	-698.5	8,852.6	355.47	0.77	600,896.54	804,841.96
19,958.0	89.90	356.70		10,970.8	8,920.0	-700.8	8,947.5	355.51	4.33	600,991.49	804,839.72
20,053.0	90.90	355.50		10,970.2	9,014.8	-707.2	9,042.5	355.51	1.64	601,086.26	804,833.26
20,148.0	90.90	353.50		10,968.7	9,109.3	-716.3	9,137.4	355.50	2.11	601,180.81	804,824.16
20,243.0	91.40	353.70		10,966.8	9,203.7	-726.9	9,232.4	355.48	0.57	601,275.20	804,813.57
20,340.0	92.20	356.70		10,963.7	9,300.3	-735.0	9,329.3	355.48	3.20	601,371.80	804,805.46
20,435.0	91.20	358.00		10,960.9	9,395.1	-739.4	9,424.2	355.50	1.73	601,466.65	804,801.07
20,530.0	91.80	359.30		10,958.4	9,490.1	-741.7	9,519.0	355.53	1.51	601,561.59	804,798.83
20,624.0	91.50	359.60		10,955.7	9,584.0	-742.6	9,612.8	355.57	0.45	601,655.54	804,797.93
20,719.0	91.40	0.10		10,953.3	9,679.0	-742.8	9,707.5	355.61	0.54	601,750.51	804,797.68
20,813.0	90.60	359.50		10,951.7	9,773.0	-743.1	9,801.2	355.65	1.06	601,844.50	804,797.35
20,908.0	90.60	359.60		10,950.7	9,868.0	-743.9	9,896.0	355.69	0.11	601,939.49	804,796.60
21,003.0	90.60	359.80		10,949.7	9,963.0	-744.4	9,990.8	355.73	0.21	602,034.48	804,796.11
21,098.0	89.80	0.10		10,949.3	10,058.0	-744.5	10,085.5	355.77	0.90	602,129.48	804,796.02
21,193.0	90.00	359.70		10,949.5	10,153.0	-744.6	10,180.3	355.81	0.47	602,224.48	804,795.86
21,287.0	89.80	359.60		10,949.7	10,247.0	-745.2	10,274.0	355.84	0.24	602,318.48	804,795.28
21,297.0	89.90	359.60		10,949.7	10,257.0	-745.3	10,284.0	355.84	1.00	602,328.48	804,795.21
21,325.6	89.90	359.60		10,949.8	10,285.6	-745.5	10,312.6	355.85	0.00	602,357.12	804,795.01
PBHL W10B - HRFD 29/20 W10B FC 1H PBHL_100FNL_1980FEL											
21,336.0	89.90	359.60		10,949.8	10,296.0	-745.6	10,322.9	355.86	0.00	602,367.48	804,794.94
TD - FINAL_W10B TD_90FNL_1992FEL - BHL W10B											

Mewbourne Oil Company

Project: Lea County, NM (NAD83) NMEZ Grid
 Site: Section 29 20-19S-35E Hereford 29/20
 Well: W10B Fed Com #1H
 Wellbore: Lateral
 Design: Lateral As Drilled

3744+28 @ 3772.0usft (Patterson 217)
 North American Datum 1983

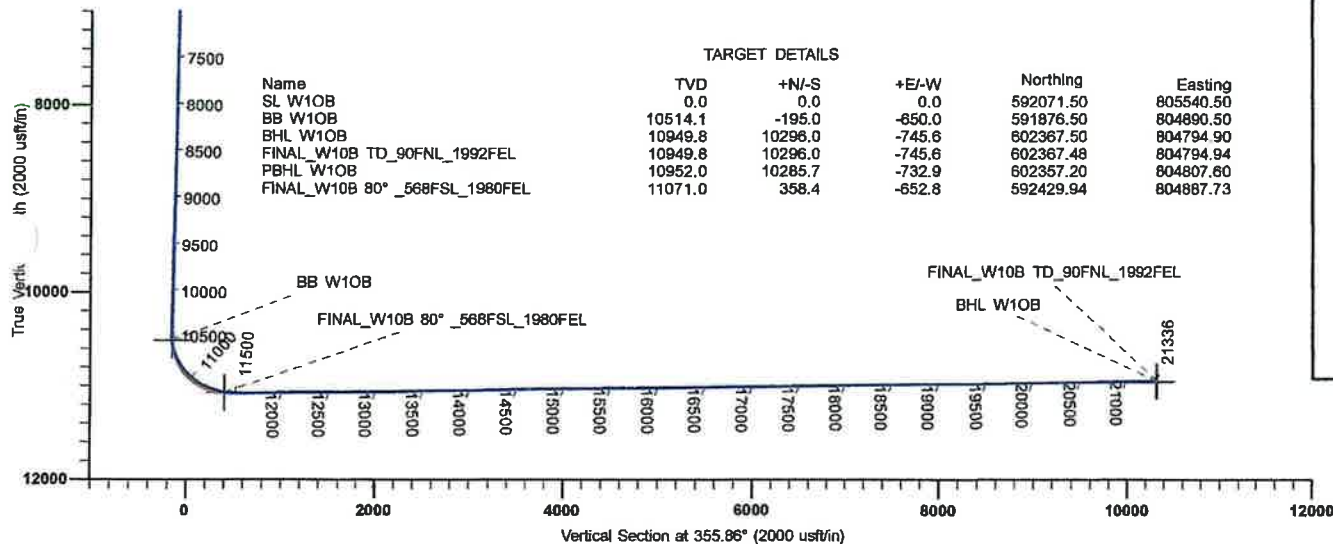
West(-)/East(+) (2000 usft/in)



Azimuths to Grid North
 True North: -0.46°
 Magnetic North: 6.23°

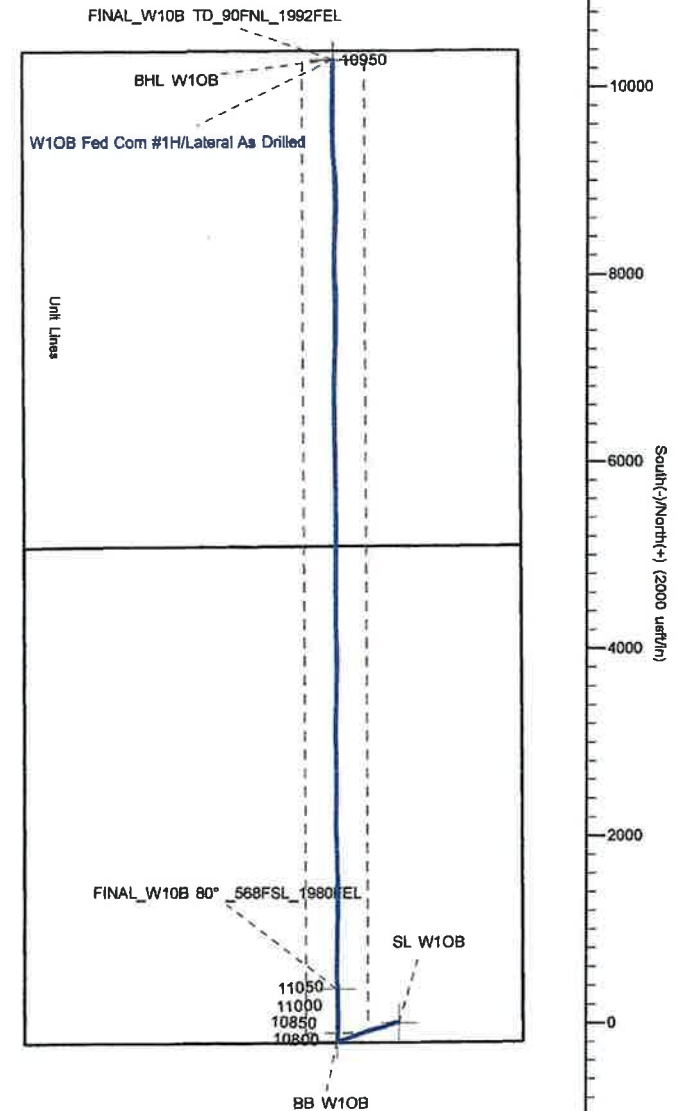
Magnetic Field
 Strength: 47886.2nT
 Dip Angle: 60.33°
 Date: 01/16/2020
 Model: IGRF2020

To convert a Magnetic Direction to a Grid Direction, Add 6.23°
 To convert a Magnetic Direction to a True Direction, Add 6.70° East
 Magnetic North is 6.23° East of Grid North (Magnetic Convergence)
 Magnetic North is 6.70° East of True North (Magnetic Declination)



TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting
SL W10B	0.0	0.0	0.0	592071.50	805540.50
BB W10B	10514.1	-195.0	-650.0	591876.50	804890.50
BHL W10B	10949.8	10296.0	-745.6	602367.50	804794.90
FINAL_W10B TD_90FNL_1992FEL	10949.8	10296.0	-745.6	602367.48	804794.94
PBHL W10B	10952.0	10285.7	-732.9	602357.20	804807.60
FINAL_W10B 80°_568FSL_1980FEL	11071.0	358.4	-652.8	592429.94	804867.73



Design: Lateral As Drilled (W10B Fed Com #1H/Lateral)
 Created By: Mekka Williams
 eSomnia Well Design
 mekka@esominawelldesign.com
 7:43, June 04 2020

STRYKER DIRECTIONAL
 6701 FM 307
 Midland, Texas 79706 - 432-687-1121



Intent ☐ As Drilled ☒API #
30-025-46768

Operator Name: Mewbourne Oil Company	Property Name: Hereford 29/20 W1OB Fed Com	Well Number #1H
---	---	--------------------

Kick Off Point (KOP)

UL 0	Section 29	Township 19S	Range 35E	Lot	Feet 5	From N/S PSL	Feet 1976	From E/W FEL	County Lea
Latitude 32.6241837					Longitude -103.4772742			NAD 87	

First Take Point (FTP)

UL 0	Section 29	Township 19S	Range 35E	Lot	Feet 230	From N/S PSL	Feet 1971	From E/W FEL	County Lea
Latitude 32.6248050					Longitude -103.4772562			NAD 87	

Last Take Point (LTP)

UL B	Section 20	Township 19S	Range 35E	Lot	Feet 105	From N/S FNL	Feet 1992	From E/W FEL	County Lea
Latitude 32.6529951					Longitude -103.4773285			NAD 87	

Is this well the defining well for the Horizontal Spacing Unit?



Is this well an infill well?

☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #

Operator Name:	Property Name:	Well Number
----------------	----------------	-------------

KZ 06/29/2018

AUG 21 2020

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 Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 67665

ACKNOWLEDGMENTS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 67665
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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 Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 67665

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 67665
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	1/5/2022