

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

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 New Well / 02/17/21
⁴ API Number 30 - 015 - 46962	⁵ Pool Name Purple Sage; Wolfcamp (Gas)	⁶ Pool Code 98220
⁷ Property Code 327859	⁸ Property Name Big Sinks 1/12 W1BO Fed Com	⁹ Well Number 1H

II. 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
B	1	26S	31E		205	North	1630'	East	Eddy

¹¹ Bottom Hole Location

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	12	26S	31E		316	South	1652	East	Eddy
¹² Lse Code F	¹³ Producing Method Code Gas Lift	¹⁴ Gas Connection Date 02/17/21	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
195739	Plains Pipeline, LP 5500 Ming Ave Bakersfield, CA 93309	O
285689	Delaware Basin Midstream, LLC PO Box 1330 Houston, TX 77251-1330	G

IV. Well Completion Data

²¹ Spud Date 06/02/2020	²² Ready Date 02/17/21	²³ TD 22124' MD	²⁴ PBDT 22083' MD	²⁵ Perforations 12131' - 22068'	²⁶ DHC, MC NA
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 ½"	13 ⅝" 54.5# J-55	1263'	1100		
12 ¼"	9 ⅝" 40# HCL80	4270'	1050		
8 ¾"	7 ⅝" 39# HCP110	11385'	650		
6 ⅝"	4 ½" 13.5# HCP110 3 ½" 9.3# L80	11191'- 22124' 11125'	775		

V. Well Test Data

³¹ Date New Oil 02/17/21	³² Gas Delivery Date 02/17/21	³³ Test Date 03/11/21	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 2815	³⁶ Csg. Pressure 40
³⁷ Choke Size 38/64"	³⁸ Oil 1192	³⁹ Water 3720	⁴⁰ Gas 5691		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:



Printed name:
Jackie Lathan

Title:
Regulatory

E-mail Address:
jlathan@mewbourne.com

Date:
03/26/2021

Phone:
575-393-5905

OIL CONSERVATION DIVISION

Approved by: KURT SIMMONS

Title: NMOCD, SANTA FE

Approval Date: 09/23/2021

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

☒ AMENDED REPORT
AS DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

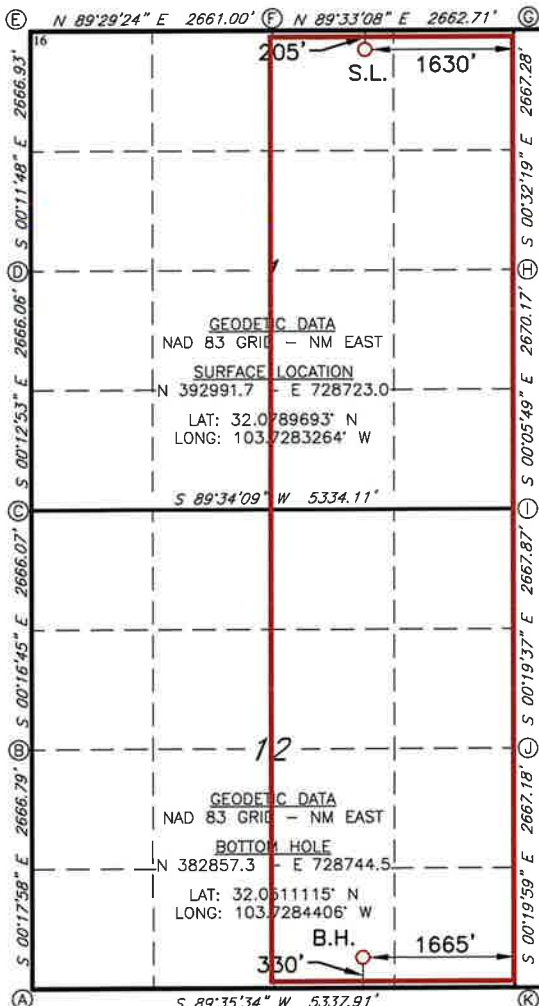
¹ API Number 30-015-46962		² Pool Code 98220		³ Pool Name Purple Sage; Wolfcamp (Gas)	
⁴ Property Code 327859		⁵ Property Name BIG SINKS 1/12 W1BO FED COM			⁶ Well Number 2H
⁷ OGRID NO. 14744		⁸ Operator Name MEWBOURNE OIL COMPANY			⁹ Elevation 3273'

¹⁰ Surface Location									
UL or lot no. B	Section 1	Township 26S	Range 31E	Lot Idn	Feet from the 205	North/South line NORTH	Feet From the 1630	East/West line EAST	County EDDY

¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. O	Section 12	Township 26S	Range 31E	Lot Idn	Feet from the 330	North/South line SOUTH	Feet from the 1665	East/West line EAST	County 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.



CORNER DATA
NAD 83 GRID - NM EAST

A: FOUND BRASS CAP "1939"
N 382501.3 - E 725074.4

B: FOUND BRASS CAP "1939"
N 385167.5 - E 725060.4

C: CALCULATED CORNER
N 387833.0 - E 725047.4

D: FOUND BRASS CAP "1940"
N 390498.5 - E 725037.4

E: FOUND BRASS CAP "1916"
N 393164.8 - E 725028.3

F: FOUND BRASS CAP "1916"
N 393188.5 - E 727688.6

G: FOUND BRASS CAP "1939"
N 393209.3 - E 730350.7

H: FOUND BRASS CAP "1939"
N 390542.7 - E 730375.8

I: FOUND BRASS CAP "1939"
N 387873.1 - E 730380.3

J: FOUND BRASS CAP "1939"
N 385205.8 - E 730395.5

K: FOUND BRASS CAP "1939"
N 382539.2 - E 730411.0

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: Jackie Lathan Date: 04/06/2021

Printed Name: Jackie Lathan

E-mail Address: jlathan@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.

4-11-19

Date of Survey

Signature and Seal of Professional Surveyor

19680

Certificate Number



RRC - Job No.:

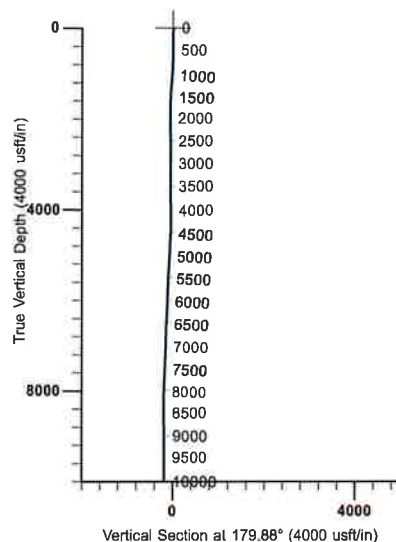
LS19030382

Mewbourne Oil Company

Project: Eddy County, NM (NMEZ) NAD83 Grid
 Site: Big Sinks
 Well: Big Sinks 1/12 W1BO FED COM 2H
 Wellbore: Lateral
 Design: Lateral AsDrilled

3273+28 @ 3301.00usft (r560)
 NAD 1927 (NADCON CONUS)

West(-)/East(+) (2000 usft/in)
 -4000 -2000 0 2000

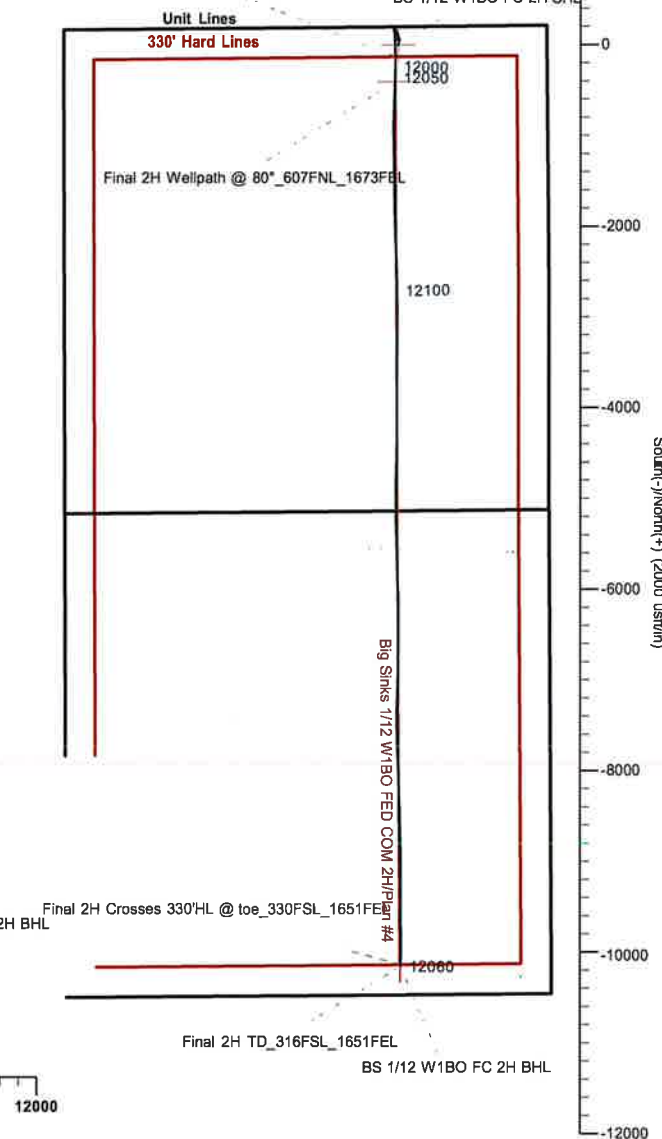


To convert a Magnetic Direction to a Grid Direction, Add 6.29°
 To convert a Magnetic Direction to a True Direction, Add 6.68° East
 Magnetic North is 6.29° East of Grid North (Magnetic Convergence)
 Magnetic North is 6.68° East of True North (Magnetic Declination)



Azimuths to Grid North
 True North: -0.39°
 Magnetic North: 6.29°

Magnetic Field
 Strength: 47525.7nT
 Dip Angle: 59.80°
 Date: 04/22/2020
 Model: IGRF2020

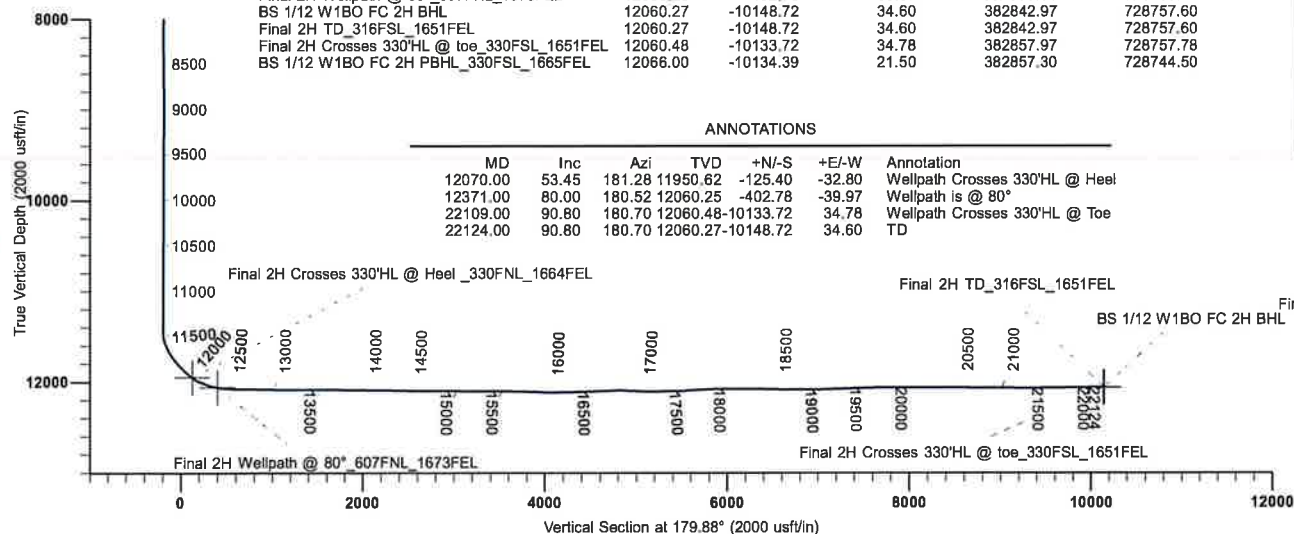


TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting
BS 1/12 W1BO FC 2H SHL	0.00	0.01	0.00	392991.70	728723.00
Final 2H Crosses 330'HL @ Heel_330FNL_1664FEL	11950.62	-125.40	-32.79	392866.29	728690.21
Final 2H Wellpath @ 80°_607FNL_1673FEL	12060.25	-402.78	-39.97	392588.91	728683.03
BS 1/12 W1BO FC 2H BHL	12060.27	-10148.72	34.60	382842.97	728757.60
Final 2H TD_316FSL_1651FEL	12060.27	-10148.72	34.60	382842.97	728757.60
Final 2H Crosses 330'HL @ toe_330FSL_1651FEL	12060.48	-10133.72	34.78	382857.97	728757.78
BS 1/12 W1BO FC 2H PBHL_330FSL_1665FEL	12066.00	-10134.39	21.50	382857.30	728744.50

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Annotation
12070.00	53.45	181.28	11950.62	-125.40	-32.80	Wellpath Crosses 330'HL @ Heel
12371.00	80.00	180.52	12060.25	-402.78	-39.97	Wellpath is @ 80°
22109.00	90.80	180.70	12060.48	-10133.72	34.78	Wellpath Crosses 330'HL @ Toe
22124.00	90.80	180.70	12060.27	-10148.72	34.60	TD



Design: Lateral AsDrilled (Big Sinks 1/12 W1BO FED COM 2H/Lateral)
 Created By: Mekka Williams
 eSomnia Well Design
 mekka@esominawelldesign.com
 10:51, July 07 2020

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



Survey Report Landscape

Company:	Mewbourne Oil Company			Local Co-ordinate Reference:	Well Big Sinks 1/12 W1BO FED COM 2H - Slot B
Project:	Eddy County, NM (NMEZ) NAD83 Grid			TVD Reference:	3273+28 @ 3301.00usft (r560)
Site:	Big Sinks			MD Reference:	3273+28 @ 3301.00usft (r560)
Well:	Big Sinks 1/12 W1BO FED COM 2H			North Reference:	Grid
Wellbore:	Lateral			Survey Calculation Method:	Minimum Curvature
Design:	Lateral AsDrilled			Database:	STRYKER_EDM

Project:	Eddy County, NM (NMEZ) NAD83 Grid				
Map System:	US State Plane 1927 (Exact solution)		System Datum:	Mean Sea Level	
Geo Datum:	NAD 1927 (NADCON CONUS)				
Map Zone:	New Mexico East 3001				

Site:	Big Sinks				
Site Position:		Northing:	392,991.39 usft	Latitude:	32.0782976
From:	Map	Easting:	728,693.10 usft	Longitude:	-103.5949819
Position Uncertainty:	0.00 usft	Slot Radius:	13.20 in	Grid Convergence:	0.39 °

Well:	Big Sinks 1/12 W1BO FED COM 2H - Slot BS 1/12 W1BO FC 2H SHL					
Well Position	+N/-S	0.00 usft	Northing:	392,991.69 usft	Latitude:	32.0782979
	+E/-W	0.00 usft	Easting:	728,723.00 usft	Longitude:	-103.5948853
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,273.00 usft

Wellbore:	Lateral				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	04/22/20	6.68	59.80	47,525.68164590

Design:	Lateral AsDrilled				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	179.88	

Survey Report Landscape

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Big Sinks 1/12 W1BO FED COM 2H - Slot B
Project:	Eddy County, NM (NMEZ) NAD83 Grid	TVD Reference:	3273+28 @ 3301.00usft (r560)
Site:	Big Sinks	MD Reference:	3273+28 @ 3301.00usft (r560)
Well:	Big Sinks 1/12 W1BO FED COM 2H	North Reference:	Grid
Wellbore:	Lateral	Survey Calculation Method:	Minimum Curvature
Design:	Lateral AsDrilled	Database:	STRYKER_EDM

Survey Program		Date 07/07/20			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
167.00	1,255.00	Survey #1 (Lateral)	MWD	MWD v3:standard declination	
1,349.00	22,085.00	Survey #2 (Lateral)	MWD	MWD v3:standard declination	
22,124.00	22,124.00	Survey #3 (Lateral)	Projection	Projection	

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100ft)	Northing (usft)	Easting (usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	392,991.69	728,723.00
BS 1 W1AP FC 3H SHL											
0.11	0.00	321.74	0.11	0.00	0.00	0.00	321.74	0.00	392,991.69	728,723.00	
BS 1/12 W1BO FC 1H SHL											
167.00	0.70	321.74	167.00	0.80	-0.63	1.02	321.74	0.42	392,992.49	728,722.37	
225.90	1.30	270.74	225.89	1.09	-1.52	1.87	305.65	1.73	392,992.78	728,721.48	
345.00	0.30	269.74	344.97	1.11	-3.19	3.37	289.18	0.84	392,992.79	728,719.81	
405.00	0.80	294.74	404.97	1.28	-3.72	3.94	289.01	0.91	392,992.97	728,719.28	
464.00	2.00	257.74	463.95	1.24	-5.10	5.25	283.62	2.45	392,992.92	728,717.90	
524.00	2.20	261.74	523.91	0.85	-7.27	7.32	276.66	0.41	392,992.53	728,715.73	
584.00	0.50	353.74	583.90	0.94	-8.43	8.49	276.38	3.79	392,992.63	728,714.57	
644.00	1.40	353.74	643.89	1.93	-8.54	8.76	282.75	1.50	392,993.62	728,714.46	
704.00	0.40	336.74	703.88	2.85	-8.71	9.16	288.15	1.71	392,994.54	728,714.29	
736.00	1.10	97.74	735.88	2.91	-8.45	8.93	289.04	4.22	392,994.60	728,714.56	
831.00	3.90	21.74	830.80	5.79	-6.34	8.59	312.40	3.99	392,997.48	728,716.66	
925.00	4.40	25.74	924.55	12.01	-3.59	12.54	343.34	0.61	393,003.70	728,719.41	
1,019.00	4.50	23.74	1,018.27	18.63	-0.54	18.64	358.33	0.20	393,010.32	728,722.46	
1,114.00	5.50	7.74	1,112.91	26.56	1.57	26.60	3.38	1.80	393,018.24	728,724.57	
1,208.00	5.90	9.74	1,206.44	35.78	2.99	35.91	4.78	0.48	393,027.47	728,725.99	
1,255.00	5.90	12.74	1,253.19	40.52	3.94	40.71	5.55	0.66	393,032.21	728,726.94	
1,349.00	4.90	14.60	1,346.78	49.12	6.01	49.48	6.98	1.08	393,040.80	728,729.01	

Survey Report Landscape

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Big Sinks 1/12 W1BO FED COM 2H - Slot B
Project:	Eddy County, NM (NMEZ) NAD83 Grid	TVD Reference:	3273+28 @ 3301.00usft (r560)
Site:	Big Sinks	MD Reference:	3273+28 @ 3301.00usft (r560)
Well:	Big Sinks 1/12 W1BO FED COM 2H	North Reference:	Grid
Wellbore:	Lateral	Survey Calculation Method:	Minimum Curvature
Design:	Lateral AsDrilled	Database:	STRYKER_EDM

Survey												
MD (usft)	Incl (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLog (°/100ft)	Northing (usft)	Easting (usft)		
1,442.00	2.30	10.90	1,439.58	54.79	7.37	55.29	7.66	2.81	393,046.48	728,730.37		
1,534.00	1.20	0.30	1,531.54	57.57	7.72	58.09	7.64	1.24	393,049.26	728,730.72		
1,719.00	0.40	337.50	1,716.52	60.10	7.48	60.57	7.10	0.46	393,051.79	728,730.48		
1,875.00	0.30	303.30	1,872.52	60.83	6.93	61.23	6.50	0.15	393,052.52	728,729.93		
2,064.00	0.70	218.60	2,061.51	60.20	5.80	60.48	5.50	0.39	393,051.89	728,728.80		
2,253.00	0.90	225.40	2,250.49	58.26	4.02	58.40	3.95	0.12	393,049.94	728,727.02		
2,441.00	0.70	227.80	2,438.48	56.45	2.12	56.49	2.15	0.11	393,048.13	728,725.12		
2,630.00	0.50	216.60	2,627.46	55.01	0.77	55.02	0.81	0.12	393,046.70	728,723.77		
2,817.00	0.40	173.60	2,814.46	53.71	0.36	53.71	0.39	0.18	393,045.39	728,723.36		
3,007.00	0.40	121.20	3,004.46	52.71	1.00	52.71	1.09	0.19	393,044.39	728,724.00		
3,196.00	0.30	133.80	3,193.45	52.02	1.92	52.06	2.12	0.07	393,043.71	728,724.92		
3,385.00	0.10	140.10	3,382.45	51.55	2.39	51.61	2.65	0.11	393,043.24	728,725.39		
3,574.00	0.60	227.20	3,571.45	50.75	1.77	50.78	1.99	0.32	393,042.44	728,724.77		
3,762.00	1.00	159.00	3,759.43	48.55	1.63	48.58	1.93	0.51	393,040.24	728,724.63		
3,952.00	1.80	150.70	3,949.37	44.40	3.69	44.56	4.75	0.43	393,036.09	728,726.69		
4,141.00	0.70	245.90	4,138.34	41.34	4.09	41.54	5.64	1.05	393,033.03	728,727.09		
4,221.00	0.80	247.00	4,218.33	40.92	3.13	41.04	4.37	0.13	393,032.61	728,726.13		
4,335.00	0.80	275.60	4,332.32	40.69	1.60	40.72	2.25	0.35	393,032.38	728,724.60		
4,525.00	4.10	332.00	4,522.14	46.82	-2.91	46.91	356.44	1.96	393,038.51	728,720.09		
4,714.00	4.30	333.20	4,710.63	59.11	-9.28	59.83	351.08	0.12	393,050.80	728,713.72		
4,903.00	2.50	6.30	4,899.30	69.53	-12.02	70.56	350.19	1.37	393,061.22	728,710.98		
5,092.00	2.70	4.10	5,088.11	78.07	-11.25	78.88	351.80	0.12	393,069.76	728,711.75		
5,281.00	2.50	8.10	5,276.92	86.59	-10.35	87.21	353.18	0.14	393,078.28	728,712.65		
5,469.00	2.40	7.20	5,464.74	94.56	-9.28	95.01	354.40	0.06	393,086.24	728,713.72		
5,658.00	2.20	9.20	5,653.59	102.06	-8.20	102.39	355.41	0.11	393,093.75	728,714.80		
5,847.00	3.10	333.90	5,842.40	110.23	-9.87	110.68	354.88	0.96	393,101.92	728,713.13		
6,035.00	3.00	329.10	6,030.13	119.02	-14.63	119.92	352.99	0.15	393,110.71	728,708.37		

Survey Report Landscape

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Big Sinks 1/12 W1BO FED COM 2H - Slot B
Project:	Eddy County, NM (NMEZ) NAD83 Grid	TVD Reference:	3273+28 @ 3301.00usft (r560)
Site:	Big Sinks	MD Reference:	3273+28 @ 3301.00usft (r560)
Well:	Big Sinks 1/12 W1BO FED COM 2H	North Reference:	Grid
Wellbore:	Lateral	Survey Calculation Method:	Minimum Curvature
Design:	Lateral AsDrilled	Database:	STRYKER_EDM

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100ft)	Northing (usft)	Easting (usft)	
6,224.00	2.90	328.30	6,218.88	127.33	-19.69	128.84	351.21	0.06	393,119.02	728,703.31	
6,413.00	2.80	330.80	6,407.65	135.43	-24.45	137.62	349.77	0.08	393,127.11	728,698.55	
6,602.00	2.20	329.40	6,596.47	142.58	-28.55	145.41	348.68	0.32	393,134.27	728,694.45	
6,791.00	2.00	324.30	6,785.34	148.38	-32.32	151.86	347.71	0.14	393,140.07	728,690.68	
6,980.00	1.50	318.20	6,974.25	152.90	-35.89	157.06	346.79	0.28	393,144.59	728,687.11	
7,169.00	2.60	357.00	7,163.14	159.03	-37.77	163.45	346.64	0.91	393,150.72	728,685.23	
7,358.00	2.50	355.70	7,351.95	167.42	-38.30	171.75	347.11	0.06	393,159.11	728,684.70	
7,547.00	2.30	354.40	7,540.78	175.31	-38.98	179.59	347.46	0.11	393,166.99	728,684.02	
7,736.00	2.20	358.60	7,729.64	182.71	-39.44	186.92	347.82	0.10	393,174.39	728,683.56	
7,925.00	1.90	354.20	7,918.52	189.45	-39.84	193.60	348.12	0.18	393,181.14	728,683.16	
8,115.00	1.50	100.90	8,108.47	192.11	-37.72	195.78	348.89	1.44	393,183.80	728,685.28	
8,304.00	1.00	109.60	8,297.42	191.09	-33.74	194.05	349.99	0.28	393,182.78	728,689.26	
8,493.00	0.40	162.80	8,486.41	189.91	-31.99	192.59	350.44	0.44	393,181.60	728,691.01	
8,681.00	0.70	204.70	8,674.40	188.24	-32.27	190.99	350.27	0.26	393,179.93	728,690.73	
8,870.00	1.20	242.60	8,863.38	186.28	-34.51	189.45	349.50	0.41	393,177.97	728,688.49	
9,059.00	1.60	314.00	9,052.33	187.20	-38.17	191.05	348.48	0.88	393,178.89	728,684.83	
9,249.00	1.20	283.80	9,242.28	189.52	-42.01	194.12	347.50	0.43	393,181.21	728,680.99	
9,438.00	1.40	269.80	9,431.23	189.98	-46.24	195.53	346.32	0.20	393,181.67	728,676.76	
9,627.00	1.70	260.30	9,620.16	189.50	-51.31	196.33	344.85	0.21	393,181.19	728,671.69	
9,817.00	0.50	194.10	9,810.13	188.22	-54.29	195.90	343.91	0.82	393,179.91	728,668.71	
10,005.00	1.10	68.40	9,998.12	188.09	-52.81	195.37	344.32	0.77	393,179.78	728,670.19	
10,194.00	0.50	56.90	10,187.10	189.21	-50.44	195.82	345.07	0.33	393,180.90	728,672.56	
10,383.00	0.60	264.80	10,376.09	189.57	-50.73	196.24	345.02	0.56	393,181.26	728,672.27	
10,572.00	0.70	11.90	10,565.09	190.61	-51.48	197.44	344.89	0.55	393,182.30	728,671.52	
10,761.00	0.50	185.30	10,754.08	190.92	-51.32	197.70	344.96	0.63	393,182.61	728,671.68	
10,950.00	0.60	341.60	10,943.08	191.04	-51.71	197.91	344.86	0.57	393,182.72	728,671.29	
11,139.00	0.70	319.80	11,132.07	192.86	-52.76	199.95	344.70	0.14	393,184.54	728,670.24	

Survey Report Landscape

Company: Mewbourne Oil Company				Local Co-ordinate Reference:				Well Big Sinks 1/12 W1BO FED COM 2H - Slot B			
Project: Eddy County, NM (NMEZ) NAD83 Grid				TVD Reference:				3273+28 @ 3301.00usft (r560)			
Site: Big Sinks				MD Reference:				3273+28 @ 3301.00usft (r560)			
Well: Big Sinks 1/12 W1BO FED COM 2H				North Reference:				Grid			
Wellbore: Lateral				Survey Calculation Method:				Minimum Curvature			
Design: Lateral AsDrilled				Database:				STRYKER_EDM			

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLog (°/100ft)	Northing (usft)	Easting (usft)	
11,227.46	0.65	299.14	11,220.52	193.52	-53.55	200.79	344.53	0.28	393,185.20	728,669.45	
BS 1/12 W1BO FC 1H KOP_10FNL_2330FEL											
11,238.49	0.65	296.42	11,231.55	193.57	-53.66	200.87	344.51	0.28	393,185.26	728,669.34	
BS 1 W1AP FC 3H KOP_10FNL_1000FEL											
11,328.00	0.70	275.50	11,321.06	193.85	-54.66	201.41	344.25	0.28	393,185.54	728,668.34	
11,406.00	0.70	261.20	11,399.05	193.82	-55.60	201.64	343.99	0.22	393,185.51	728,667.40	
11,490.00	3.30	179.30	11,483.00	191.33	-56.08	199.38	343.66	3.90	393,183.01	728,666.92	
11,500.06	5.44	171.82	11,493.03	190.57	-56.01	198.63	343.62	21.94	393,182.25	728,666.99	
BS 1/12 W1BO FC 2H KOP_10FNL_1665FEL											
11,538.00	13.70	165.00	11,530.41	184.44	-54.59	192.35	343.51	21.94	393,176.12	728,668.41	
11,585.00	22.50	164.20	11,575.04	170.38	-50.69	177.76	343.43	18.73	393,162.07	728,672.31	
11,633.00	25.30	167.50	11,618.92	151.52	-45.97	158.34	343.12	6.46	393,143.21	728,677.03	
11,680.00	28.20	170.80	11,660.89	130.75	-42.02	137.34	342.18	6.93	393,122.44	728,680.98	
11,727.00	31.10	174.40	11,701.74	107.70	-39.06	114.57	340.07	7.24	393,099.39	728,683.94	
11,774.00	34.50	176.50	11,741.24	82.33	-37.06	90.28	335.76	7.63	393,074.01	728,685.94	
11,821.00	39.50	176.70	11,778.76	54.10	-35.39	64.65	326.81	10.64	393,045.79	728,687.61	
11,868.00	43.80	177.10	11,813.87	22.92	-33.70	40.76	304.22	9.17	393,014.60	728,689.30	
11,915.00	44.80	178.50	11,847.51	-9.88	-32.45	33.92	253.06	2.98	392,981.80	728,690.55	
11,952.40	45.73	179.67	11,873.83	-36.44	-32.02	48.52	221.31	3.35	392,955.24	728,690.98	
BS 1/12 W1BO FC 1H LP_330FNL_2300FEL											
11,963.00	46.00	180.00	11,881.21	-44.05	-32.00	54.45	216.00	3.35	392,947.63	728,691.00	
11,971.15	46.54	180.05	11,886.85	-49.94	-32.01	59.32	212.66	6.61	392,941.75	728,690.99	
BS 1 W1AP FC 3H LP_330FNL_1000FEL											
12,010.00	49.10	180.30	11,912.93	-78.73	-32.10	85.02	202.18	6.61	392,912.96	728,690.90	
12,058.00	52.20	181.20	11,943.36	-115.84	-32.59	120.33	195.71	6.62	392,875.85	728,690.41	
12,070.00	53.45	181.28	11,950.62	-125.40	-32.80	129.62	194.66	10.44	392,866.29	728,690.20	
Wellpath Crosses 330'HL @ Heel - Final 2H Crosses 330'HL @ Heel_330FNL_1664FEL											
12,105.00	57.10	181.50	11,970.55	-154.15	-33.49	157.75	192.26	10.44	392,837.54	728,689.51	

Survey Report Landscape

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Big Sinks 1/12 W1BO FED COM 2H - Slot B
Project:	Eddy County, NM (NMEZ) NAD83 Grid	TVD Reference:	3273+28 @ 3301.00usft (r560)
Site:	Big Sinks	MD Reference:	3273+28 @ 3301.00usft (r560)
Well:	Big Sinks 1/12 W1BO FED COM 2H	North Reference:	Grid
Wellbore:	Lateral	Survey Calculation Method:	Minimum Curvature
Design:	Lateral AsDrilled	Database:	STRYKER_EDM

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100ft)	Northing (usft)	Easting (usft)	
12,152.00	63.90	181.90	11,993.68	-195.01	-34.71	198.08	190.09	14.49	392,796.67	728,688.29	
12,199.00	68.20	181.50	12,012.75	-237.94	-35.98	240.64	188.60	9.18	392,753.75	728,687.02	
12,246.00	70.00	182.30	12,029.52	-281.82	-37.44	284.30	187.57	4.15	392,709.87	728,685.56	
12,293.00	75.00	181.80	12,043.65	-326.60	-39.04	328.93	186.82	10.69	392,665.08	728,683.96	
12,341.00	78.50	180.10	12,054.65	-373.31	-39.81	375.42	186.09	8.07	392,618.38	728,683.19	
12,348.04	78.85	180.20	12,056.03	-380.21	-39.83	382.29	185.98	5.18	392,611.48	728,683.17	
BS 1/12 W1BO FC 2H LP											
12,371.00	80.00	180.52	12,060.24	-402.78	-39.97	404.75	185.67	5.18	392,588.91	728,683.03	
Wellpath is @ 80° - Final 2H Wellpath @ 80°_607FNL_1673FEL											
12,457.00	84.30	181.70	12,071.99	-487.94	-41.62	489.71	184.88	5.18	392,503.75	728,681.38	
12,552.00	89.90	182.90	12,076.79	-582.70	-45.43	584.47	184.46	6.03	392,408.99	728,677.57	
12,646.00	89.10	181.50	12,077.61	-676.62	-49.04	678.40	184.15	1.72	392,315.06	728,673.96	
12,740.00	88.50	180.80	12,079.58	-770.58	-50.93	772.26	183.78	0.98	392,221.10	728,672.07	
12,835.00	88.80	180.90	12,081.82	-865.55	-52.34	867.13	183.46	0.33	392,126.14	728,670.66	
12,929.00	89.10	179.20	12,083.54	-959.53	-52.42	960.96	183.13	1.84	392,032.16	728,670.58	
13,024.00	89.00	179.40	12,085.12	-1,054.51	-51.26	1,055.75	182.78	0.24	391,937.18	728,671.74	
13,118.00	90.00	179.20	12,085.94	-1,148.49	-50.11	1,149.59	182.50	1.08	391,843.19	728,672.89	
13,213.00	89.90	179.40	12,086.02	-1,243.49	-48.95	1,244.45	182.25	0.24	391,748.20	728,674.05	
13,307.00	90.30	179.20	12,085.86	-1,337.48	-47.80	1,338.33	182.05	0.48	391,654.21	728,675.20	
13,401.00	89.90	178.90	12,085.69	-1,431.47	-46.24	1,432.21	181.85	0.53	391,560.22	728,676.76	
13,496.00	90.10	178.80	12,085.69	-1,526.45	-44.33	1,527.09	181.66	0.24	391,465.24	728,678.67	
13,590.00	90.10	178.70	12,085.53	-1,620.42	-42.28	1,620.98	181.49	0.11	391,371.26	728,680.72	
13,684.00	89.40	179.30	12,085.94	-1,714.41	-40.64	1,714.89	181.36	0.98	391,277.28	728,682.36	
13,779.00	89.70	180.00	12,086.69	-1,809.40	-40.06	1,809.85	181.27	0.80	391,182.28	728,682.94	
13,873.00	89.00	178.80	12,087.75	-1,903.39	-39.08	1,903.79	181.18	1.48	391,088.30	728,683.92	
13,968.00	89.00	177.50	12,089.41	-1,998.32	-36.01	1,998.65	181.03	1.37	390,993.36	728,686.99	
14,062.00	89.60	177.50	12,090.56	-2,092.23	-31.91	2,092.47	180.87	0.64	390,899.46	728,691.09	

Survey Report Landscape

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Big Sinks 1/12 W1BO FED COM 2H - Slot B
Project:	Eddy County, NM (NMEZ) NAD83 Grid	TVD Reference:	3273+28 @ 3301.00usft (r560)
Site:	Big Sinks	MD Reference:	3273+28 @ 3301.00usft (r560)
Well:	Big Sinks 1/12 W1BO FED COM 2H	North Reference:	Grid
Wellbore:	Lateral	Survey Calculation Method:	Minimum Curvature
Design:	Lateral AsDrilled	Database:	STRYKER_EDM

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLog (°/100ft)	Northing (usft)	Easting (usft)	
14,157.00	89.90	176.80	12,090.97	-2,187.11	-27.19	2,187.28	180.71	0.80	390,804.58	728,695.81	
14,252.00	88.80	176.80	12,092.05	-2,281.95	-21.89	2,282.06	180.55	1.16	390,709.73	728,701.11	
14,346.00	88.70	178.80	12,094.10	-2,375.85	-18.28	2,375.93	180.44	2.13	390,615.83	728,704.72	
14,441.00	88.50	179.10	12,096.42	-2,470.81	-16.54	2,470.87	180.38	0.38	390,520.88	728,706.46	
14,535.00	89.30	179.00	12,098.23	-2,564.78	-14.98	2,564.82	180.33	0.86	390,426.91	728,708.02	
14,629.00	89.10	178.90	12,099.54	-2,658.75	-13.26	2,658.79	180.29	0.24	390,332.93	728,709.74	
14,723.00	89.00	177.60	12,101.10	-2,752.70	-10.39	2,752.72	180.22	1.39	390,238.99	728,712.61	
14,818.00	89.70	179.00	12,102.18	-2,847.64	-7.57	2,847.65	180.15	1.65	390,144.04	728,715.43	
14,912.00	90.50	180.10	12,102.01	-2,941.64	-6.83	2,941.65	180.13	1.45	390,050.05	728,716.17	
15,007.00	90.30	181.00	12,101.35	-3,036.63	-7.74	3,036.64	180.15	0.97	389,955.05	728,715.26	
15,101.00	90.20	180.00	12,100.94	-3,130.63	-8.56	3,130.64	180.16	1.07	389,861.06	728,714.44	
15,196.00	90.30	180.50	12,100.52	-3,225.62	-8.98	3,225.64	180.16	0.54	389,766.06	728,714.02	
15,291.00	90.20	180.30	12,100.11	-3,320.62	-9.64	3,320.63	180.17	0.24	389,671.06	728,713.36	
15,385.00	90.00	181.50	12,099.95	-3,414.61	-11.12	3,414.63	180.19	1.29	389,577.08	728,711.88	
15,485.00	90.50	180.00	12,099.51	-3,514.59	-12.43	3,514.62	180.20	1.58	389,477.09	728,710.57	
15,580.00	89.50	179.80	12,099.51	-3,609.59	-12.26	3,609.61	180.19	1.07	389,382.09	728,710.74	
15,674.00	88.40	179.70	12,101.23	-3,703.57	-11.85	3,703.59	180.18	1.18	389,288.11	728,711.15	
15,768.00	88.10	179.40	12,104.10	-3,797.53	-11.11	3,797.54	180.17	0.45	389,194.16	728,711.89	
15,863.00	87.00	180.00	12,108.16	-3,892.44	-10.62	3,892.45	180.16	1.32	389,099.25	728,712.38	
15,957.00	87.00	180.20	12,113.08	-3,986.31	-10.78	3,986.32	180.15	0.21	389,005.38	728,712.22	
16,058.00	89.90	179.70	12,115.81	-4,087.26	-10.69	4,087.27	180.15	2.91	388,904.42	728,712.31	
16,153.00	91.00	180.20	12,115.07	-4,182.26	-10.61	4,182.27	180.15	1.27	388,809.43	728,712.39	
16,247.00	91.20	180.60	12,113.26	-4,276.24	-11.26	4,276.25	180.15	0.48	388,715.45	728,711.74	
16,342.00	92.50	181.20	12,110.20	-4,371.17	-12.76	4,371.19	180.17	1.51	388,620.51	728,710.24	
16,436.00	91.90	181.60	12,106.59	-4,465.07	-15.05	4,465.10	180.19	0.77	388,526.61	728,707.95	
16,530.00	91.60	181.80	12,103.72	-4,558.99	-17.84	4,559.02	180.22	0.38	388,432.70	728,705.16	
16,624.00	91.60	181.90	12,101.09	-4,652.90	-20.87	4,652.95	180.26	0.11	388,338.78	728,702.13	

Survey Report Landscape

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Big Sinks 1/12 W1BO FED COM 2H - Slot B
Project:	Eddy County, NM (NMEZ) NAD83 Grid	TVD Reference:	3273+28 @ 3301.00usft (r560)
Site:	Big Sinks	MD Reference:	3273+28 @ 3301.00usft (r560)
Well:	Big Sinks 1/12 W1BO FED COM 2H	North Reference:	Grid
Wellbore:	Lateral	Survey Calculation Method:	Minimum Curvature
Design:	Lateral AsDrilled	Database:	STRYKER_EDM

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100ft)	Northing (usft)	Easting (usft)	
16,719.00	94.00	182.10	12,096.45	-4,747.73	-24.18	4,747.79	180.29	2.54	388,243.96	728,698.82	
16,770.78	91.25	180.17	12,094.08	-4,799.43	-25.21	4,799.50	180.30	6.49	388,192.25	728,697.79	
BS 1 W1AP FC 3H PBHL_330FSL_1000FEL											
16,813.00	89.00	178.60	12,093.99	-4,841.65	-24.75	4,841.71	180.29	6.49	388,150.04	728,698.25	
16,908.00	87.00	178.50	12,097.31	-4,936.55	-22.35	4,936.60	180.26	2.11	388,055.13	728,700.65	
17,002.00	86.20	179.40	12,102.88	-5,030.37	-20.63	5,030.41	180.23	1.28	387,961.31	728,702.37	
17,097.00	89.10	180.50	12,106.78	-5,125.28	-20.55	5,125.32	180.23	3.26	387,866.41	728,702.45	
17,191.00	91.60	179.50	12,106.20	-5,219.27	-20.55	5,219.31	180.23	2.86	387,772.42	728,702.45	
17,285.00	91.20	178.70	12,103.91	-5,313.23	-19.07	5,313.26	180.21	0.95	387,678.46	728,703.93	
17,380.00	89.30	178.80	12,103.49	-5,408.20	-17.00	5,408.23	180.18	2.00	387,583.48	728,706.00	
17,474.00	94.20	179.30	12,100.62	-5,502.11	-15.44	5,502.14	180.16	5.24	387,489.57	728,707.56	
17,569.00	94.40	178.20	12,093.50	-5,596.82	-13.38	5,596.84	180.14	1.17	387,394.86	728,709.62	
17,663.00	94.60	178.90	12,086.12	-5,690.50	11.01	5,690.51	180.11	0.77	387,301.18	728,711.99	
17,757.00	92.70	178.70	12,080.14	-5,784.29	-9.04	5,784.29	180.09	2.03	387,207.40	728,713.96	
17,852.00	90.50	177.20	12,077.49	-5,879.18	-5.64	5,879.18	180.05	2.80	387,112.50	728,717.36	
17,944.00	91.90	176.50	12,075.56	-5,971.02	-0.59	5,971.02	180.01	1.70	387,020.67	728,722.41	
18,037.00	89.40	177.10	12,074.51	-6,063.86	4.60	6,063.86	179.96	2.76	386,927.83	728,727.60	
18,131.00	89.10	181.80	12,075.74	-6,157.82	5.50	6,157.82	179.95	5.01	386,833.86	728,728.50	
18,226.00	89.30	179.10	12,077.06	-6,252.80	4.76	6,252.80	179.96	2.85	386,738.89	728,727.76	
18,320.00	89.30	178.20	12,078.21	-6,346.77	6.97	6,346.77	179.94	0.96	386,644.92	728,729.97	
18,414.00	89.10	182.20	12,079.53	-6,440.74	6.64	6,440.74	179.94	4.26	386,550.95	728,729.64	
18,509.00	89.20	181.50	12,080.93	-6,535.68	3.58	6,535.68	179.97	0.74	386,456.01	728,726.58	
18,604.00	89.30	180.20	12,082.18	-6,630.66	2.17	6,630.66	179.98	1.37	386,361.03	728,725.17	
18,699.00	89.30	179.70	12,083.34	-6,725.65	2.25	6,725.65	179.98	0.53	386,266.04	728,725.25	
18,794.00	89.50	179.20	12,084.33	-6,820.64	3.16	6,820.64	179.97	0.57	386,171.05	728,726.16	
18,889.00	89.00	182.20	12,085.58	-6,915.61	2.00	6,915.61	179.98	3.20	386,076.07	728,725.00	
18,984.00	94.00	182.40	12,083.09	-7,010.47	-1.81	7,010.47	180.01	5.27	385,981.21	728,721.19	

Survey Report Landscape

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Big Sinks 1/12 W1BO FED COM 2H - Slot B
Project:	Eddy County, NM (NMEZ) NAD83 Grid	TVD Reference:	3273+28 @ 3301.00usft (r560)
Site:	Big Sinks	MD Reference:	3273+28 @ 3301.00usft (r560)
Well:	Big Sinks 1/12 W1BO FED COM 2H	North Reference:	Grid
Wellbore:	Lateral	Survey Calculation Method:	Minimum Curvature
Design:	Lateral AsDrilled	Database:	STRYKER_EDM

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100ft)	Northing (usft)	Easting (usft)	
19,079.00	89.30	180.40	12,080.36	-7,105.37	-4.12	7,105.38	180.03	5.38	385,886.31	728,718.88	
19,174.00	89.60	182.80	12,081.27	-7,200.33	-6.78	7,200.33	180.05	2.55	385,791.36	728,716.22	
19,268.00	94.40	182.00	12,077.99	-7,294.16	-10.71	7,294.17	180.08	5.18	385,697.53	728,712.29	
19,363.00	93.50	181.10	12,071.44	-7,388.90	-13.27	7,388.91	180.10	1.34	385,602.79	728,709.73	
19,458.00	91.20	179.50	12,067.55	-7,483.80	-13.77	7,483.82	180.11	2.95	385,507.88	728,709.23	
19,553.00	90.60	177.00	12,066.06	-7,578.74	-10.87	7,578.75	180.08	2.71	385,412.94	728,712.13	
19,648.00	90.50	178.30	12,065.15	-7,673.65	-6.97	7,673.66	180.05	1.37	385,318.03	728,716.03	
19,743.00	90.30	176.80	12,064.48	-7,768.56	-2.91	7,768.56	180.02	1.59	385,223.12	728,720.09	
19,838.00	89.80	178.90	12,064.40	-7,863.49	0.65	7,863.49	180.00	2.27	385,128.20	728,723.65	
19,933.00	90.40	177.80	12,064.23	-7,958.45	3.39	7,958.45	179.98	1.32	385,033.24	728,726.39	
20,028.00	90.10	178.00	12,063.82	-8,053.38	6.87	8,053.39	179.95	0.38	384,938.30	728,729.87	
20,123.00	90.20	177.80	12,063.57	-8,148.32	10.35	8,148.33	179.93	0.24	384,843.37	728,733.35	
20,218.00	90.20	177.90	12,063.24	-8,243.25	13.91	8,243.26	179.90	0.11	384,748.43	728,736.91	
20,312.00	89.50	178.00	12,063.48	-8,337.19	17.20	8,337.21	179.88	0.75	384,654.40	728,740.28	
20,407.00	89.60	178.40	12,064.23	-8,432.14	20.26	8,432.17	179.86	0.43	384,559.54	728,743.26	
20,502.00	89.70	177.90	12,064.81	-8,527.09	23.33	8,527.12	179.84	0.54	384,464.60	728,746.33	
20,597.00	89.50	177.70	12,065.47	-8,622.02	26.97	8,622.06	179.82	0.30	384,369.67	728,749.97	
20,692.00	89.50	177.90	12,066.30	-8,716.94	30.62	8,717.00	179.80	0.21	384,274.74	728,753.62	
20,787.00	89.30	179.50	12,067.30	-8,811.91	32.77	8,811.97	179.79	1.70	384,179.77	728,755.77	
20,881.00	89.80	180.70	12,068.04	-8,905.91	32.61	8,905.97	179.79	1.38	384,085.78	728,755.61	
20,976.00	89.80	179.10	12,068.37	-9,000.90	32.78	9,000.96	179.79	1.68	383,990.78	728,755.78	
21,071.00	89.20	181.30	12,069.20	-9,095.89	32.44	9,095.95	179.80	2.40	383,895.79	728,755.44	
21,166.00	88.70	179.90	12,070.94	-9,190.87	31.45	9,190.92	179.80	1.56	383,800.82	728,754.45	
21,242.00	89.90	179.20	12,071.87	-9,266.86	32.05	9,266.91	179.80	1.83	383,724.83	728,755.05	
21,337.00	90.90	180.80	12,071.20	-9,361.85	32.05	9,361.91	179.80	1.99	383,629.83	728,755.05	
21,432.00	90.80	179.50	12,069.79	-9,456.84	31.80	9,456.89	179.81	1.37	383,534.85	728,754.80	
21,527.00	90.50	179.50	12,068.72	-9,551.83	32.63	9,551.88	179.80	0.32	383,439.86	728,755.63	

Survey Report Landscape

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Big Sinks 1/12 W1BO FED COM 2H - Slot B
Project:	Eddy County, NM (NMEZ) NAD83 Grid	TVD Reference:	3273+28 @ 3301.00usft (r560)
Site:	Big Sinks	MD Reference:	3273+28 @ 3301.00usft (r560)
Well:	Big Sinks 1/12 W1BO FED COM 2H	North Reference:	Grid
Wellbore:	Lateral	Survey Calculation Method:	Minimum Curvature
Design:	Lateral AsDrilled	Database:	STRYKER_EDM

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100ft)	Northing (usft)	Easting (usft)	
21,622.00	90.90	179.10	12,067.56	-9,646.81	33.79	9,646.87	179.80	0.60	383,344.87	728,756.79	
21,717.00	90.80	178.50	12,066.15	-9,741.78	35.78	9,741.85	179.79	0.64	383,249.90	728,758.78	
21,812.00	91.10	180.20	12,064.57	-9,836.76	36.85	9,836.83	179.79	1.82	383,154.93	728,759.85	
21,906.00	90.90	180.10	12,062.93	-9,930.74	36.61	9,930.81	179.79	0.24	383,060.94	728,759.61	
22,001.00	90.50	180.60	12,061.77	-10,025.73	36.03	10,025.80	179.79	0.67	382,965.95	728,759.03	
22,085.00	90.80	180.70	12,060.82	-10,109.72	35.08	10,109.78	179.80	0.38	382,881.96	728,758.08	
22,109.00	90.80	180.70	12,060.48	-10,133.72	34.78	10,133.78	179.80	0.00	382,857.97	728,757.78	
Wellpath Crosses 330'HL @ Toe - BS 1/12 W1BO FC 2H PBHL_330FSL_1665FEL - Final 2H Crosses 330'HL @ toe_330FSL_1651FEL											
22,124.00	90.80	180.70	12,060.27	-10,148.72	34.60	10,148.77	179.80	0.00	382,842.97	728,757.60	
TD - Final 2H TD_316FSL_1651FEL - BS 1/12 W1BO FC 1H PBHL_330FSL_2330FEL - BS 1/12 W1BO FC 2H BHL											

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
12,070.00	11,950.62	-125.40	-32.80	Wellpath Crosses 330'HL @ Heel
12,371.00	12,060.25	-402.78	-39.97	Wellpath is @ 80°
22,109.00	12,060.48	-10,133.72	34.78	Wellpath Crosses 330'HL @ Toe
22,124.00	12,060.27	-10,148.72	34.60	TD

Checked By: _____ Approved By: _____ Date: _____



January 7, 2021

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

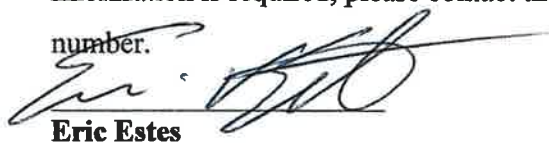
Attn: Jackie Lathan

Re: Mewbourne Oil Company
 Big Sinks 1 12 W1BO Federal Com #002H
 Purple Sage; Wolfcamp (Gas)
 Eddy County, New Mexico
 API# 30-015-46962

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>
Jimmy Walker	Original Hole	1,349ft. to 22,085ft.	06-05-20 to 07-05-20	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
 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\Big Sinks 1 12 W1BO Federal Com #2H\M201125

STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.

P.O. Box 1250

Montgomery, TX 77356

Office (936) 582-7296 * Fax (936)-588-4163



January 7, 2021

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 June 5, 2020, through July 5, 2020 conduct or supervise the taking of a SEDS Original Hole MWD Survey from a depth of 1,349 feet to a depth of 22,085 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 Big Sinks 1 12 W1BO Federal Com #002H, well API # 30-015-46962 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.

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: Eddy County, NM (NMEZ) NAD83 Grid
Site: Big Sinks
Well: Big Sinks 1/12 W1BO FED COM 2H
Wellbore: Lateral
Design: Lateral AsDrilled

Local Co-ordinate Reference: Well Big Sinks 1/12 W1BO FED COM 2H - Slot B
TVD Reference: 3273+28 @ 3301.00usft (r560)
MD Reference: 3273+28 @ 3301.00usft (r560)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: STRYKER_EDM

Survey Program		Date 07/07/20			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
167.00	1,255.00	Survey #1 (Lateral)	MWD	MWD v3:standard declination	
1,349.00	22,085.00	Survey #2 (Lateral)	MWD	MWD v3:standard declination	
22,124.00	22,124.00	Survey #3 (Lateral)	Projection	Projection	

Survey										
MD (usft)	Inc (")	Azi (azimuth) (")	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (")	DLeg ("/100ft)	Northing (usft)	Easting (usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	392,991.69	728,723.00
BS 1 W1AP FC 3H SHL										
0.11	0.00	321.74	0.11	0.00	0.00	0.00	321.74	0.00	392,991.69	728,723.00
BS 1/12 W1BO FC 1H SHL										
167.00	0.70	321.74	167.00	0.80	-0.63	1.02	321.74	0.42	392,992.49	728,722.37
225.90	1.30	270.74	225.89	1.09	-1.52	1.87	305.65	1.73	392,992.78	728,721.48
345.00	0.30	269.74	344.97	1.11	-3.19	3.37	289.18	0.84	392,992.79	728,719.81
405.00	0.80	294.74	404.97	1.28	-3.72	3.94	289.01	0.91	392,992.97	728,719.28
464.00	2.00	257.74	463.95	1.24	-5.10	5.25	283.62	2.45	392,992.92	728,717.90
524.00	2.20	261.74	523.91	0.85	-7.27	7.32	276.66	0.41	392,992.53	728,715.73
584.00	0.50	353.74	583.90	0.94	-8.43	8.49	276.38	3.79	392,992.63	728,714.57
644.00	1.40	353.74	643.89	1.93	-8.54	8.76	282.75	1.50	392,993.62	728,714.46
704.00	0.40	336.74	703.88	2.85	-8.71	9.16	288.15	1.71	392,994.54	728,714.29
736.00	1.10	97.74	735.88	2.91	-8.45	8.93	289.04	4.22	392,994.60	728,714.56
831.00	3.90	21.74	830.80	5.79	-6.34	8.59	312.40	3.99	392,997.48	728,716.66
925.00	4.40	25.74	924.55	12.01	-3.59	12.54	343.34	0.61	393,003.70	728,719.41
1,019.00	4.50	23.74	1,018.27	18.83	-0.54	18.64	358.33	0.20	393,010.32	728,722.46
1,114.00	5.50	7.74	1,112.91	28.56	1.57	26.60	3.38	1.80	393,018.24	728,724.57
1,208.00	5.90	9.74	1,206.44	35.78	2.99	35.91	4.78	0.48	393,027.47	728,725.99
1,255.00	5.90	12.74	1,253.19	40.52	3.94	40.71	5.55	0.66	393,032.21	728,726.94
1,349.00	4.90	14.60	1,346.78	49.12	6.01	49.48	6.98	1.08	393,040.80	728,729.01

Survey Report Landscape

Company: Mewbourne Oil Company
Project: Eddy County, NM (NMEZ) NAD83 Grid
Site: Big Sinks
Well: Big Sinks 1/12 W1BO FED COM 2H
Wellbore: Lateral
Design: Lateral AsDrilled

Local Co-ordinate Reference: Well Big Sinks 1/12 W1BO FED COM 2H - Slot B
TVD Reference: 3273+28 @ 3301.00usft (r560)
MD Reference: 3273+28 @ 3301.00usft (r560)
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 (°/100ft)	Northing (usft)	Easting (usft)	
1,442.00	2.30	10.90	1,439.58	54.79	7.37	55.29	7.66	2.81	393,046.48	728,730.37	
1,534.00	1.20	0.30	1,531.54	57.57	7.72	58.09	7.64	1.24	393,049.26	728,730.72	
1,719.00	0.40	337.50	1,716.52	60.10	7.48	60.57	7.10	0.46	393,051.79	728,730.48	
1,875.00	0.30	303.30	1,872.52	60.83	6.93	61.23	6.50	0.15	393,052.52	728,729.93	
2,064.00	0.70	218.80	2,061.51	60.20	5.80	60.48	5.50	0.39	393,051.89	728,728.80	
2,253.00	0.90	225.40	2,250.49	58.26	4.02	58.40	3.95	0.12	393,049.94	728,727.02	
2,441.00	0.70	227.80	2,438.48	56.45	2.12	56.49	2.15	0.11	393,048.13	728,725.12	
2,630.00	0.50	216.60	2,627.46	55.01	0.77	55.02	0.81	0.12	393,046.70	728,723.77	
2,817.00	0.40	173.80	2,814.46	53.71	0.36	53.71	0.39	0.18	393,045.39	728,723.36	
3,007.00	0.40	121.20	3,004.46	52.71	1.00	52.71	1.09	0.19	393,044.39	728,724.00	
3,196.00	0.30	133.80	3,193.45	52.02	1.92	52.06	2.12	0.07	393,043.71	728,724.92	
3,385.00	0.10	140.10	3,382.45	51.55	2.39	51.61	2.65	0.11	393,043.24	728,725.39	
3,574.00	0.60	227.20	3,571.45	50.75	1.77	50.78	1.99	0.32	393,042.44	728,724.77	
3,762.00	1.00	159.00	3,759.43	48.55	1.63	48.58	1.93	0.61	393,040.24	728,724.63	
3,952.00	1.80	150.70	3,949.37	44.40	3.69	44.56	4.75	0.43	393,036.09	728,726.69	
4,141.00	0.70	245.90	4,138.34	41.34	4.09	41.54	5.64	1.05	393,033.03	728,727.09	
4,221.00	0.80	247.00	4,218.33	40.92	3.13	41.04	4.37	0.13	393,032.61	728,726.13	
4,335.00	0.80	275.60	4,332.32	40.69	1.60	40.72	2.25	0.35	393,032.38	728,724.60	
4,525.00	4.10	332.00	4,522.14	46.82	-2.91	46.91	356.44	1.96	393,038.51	728,720.09	
4,714.00	4.30	333.20	4,710.63	59.11	-9.28	59.83	351.08	0.12	393,050.80	728,713.72	
4,903.00	2.50	6.30	4,899.30	69.53	-12.02	70.56	350.19	1.37	393,061.22	728,710.98	
5,092.00	2.70	4.10	5,088.11	78.07	-11.25	78.88	351.80	0.12	393,069.76	728,711.75	
5,281.00	2.50	8.10	5,276.92	86.59	-10.35	87.21	353.18	0.14	393,078.28	728,712.65	
5,469.00	2.40	7.20	5,464.74	94.56	-9.28	95.01	354.40	0.06	393,086.24	728,713.72	
5,658.00	2.20	9.20	5,653.59	102.06	-8.20	102.39	355.41	0.11	393,093.75	728,714.80	
5,847.00	3.10	333.90	5,842.40	110.23	-9.87	110.68	354.88	0.96	393,101.92	728,713.13	
6,035.00	3.00	329.10	6,030.13	119.02	-14.63	119.92	352.99	0.15	393,110.71	728,708.37	

Survey Report Landscape

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Site: Big Sinks
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Wellbore: Lateral
Design: Lateral AsDrilled

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Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100ft)	Northing (usft)	Easting (usft)	
6,224.00	2.90	328.30	6,218.88	127.33	-19.69	128.84	351.21	0.06	393,119.02	728,703.31	
6,413.00	2.80	330.80	6,407.65	135.43	-24.45	137.62	349.77	0.08	393,127.11	728,698.55	
6,602.00	2.20	329.40	6,596.47	142.58	-28.55	145.41	348.68	0.32	393,134.27	728,694.45	
6,791.00	2.00	324.30	6,785.34	148.38	-32.32	151.86	347.71	0.14	393,140.07	728,690.68	
6,980.00	1.50	318.20	6,974.25	152.90	-35.89	157.06	346.79	0.28	393,144.59	728,687.11	
7,169.00	2.80	357.00	7,163.14	159.03	-37.77	163.45	346.64	0.91	393,150.72	728,685.23	
7,358.00	2.50	355.70	7,351.95	167.42	-38.30	171.75	347.11	0.06	393,159.11	728,684.70	
7,547.00	2.30	354.40	7,540.78	175.31	-38.98	179.59	347.46	0.11	393,166.99	728,684.02	
7,736.00	2.20	358.60	7,729.64	182.71	-39.44	186.92	347.82	0.10	393,174.39	728,683.56	
7,925.00	1.90	354.20	7,918.52	189.45	-39.84	193.60	348.12	0.18	393,181.14	728,683.16	
8,115.00	1.50	100.90	8,108.47	192.11	-37.72	195.78	348.89	1.44	393,183.80	728,685.28	
8,304.00	1.00	109.60	8,297.42	191.09	-33.74	194.05	349.99	0.28	393,182.78	728,689.26	
8,493.00	0.40	162.80	8,486.41	189.91	-31.99	192.59	350.44	0.44	393,181.60	728,691.01	
8,681.00	0.70	204.70	8,674.40	188.24	-32.27	190.99	350.27	0.26	393,179.93	728,690.73	
8,870.00	1.20	242.60	8,863.38	186.28	-34.51	189.45	349.50	0.41	393,177.97	728,688.49	
9,059.00	1.60	314.00	9,052.33	187.20	-36.17	191.05	348.48	0.88	393,178.89	728,684.83	
9,249.00	1.20	283.80	9,242.28	189.52	-42.01	194.12	347.50	0.43	393,181.21	728,680.99	
9,438.00	1.40	269.80	9,431.23	189.98	-46.24	195.53	346.32	0.20	393,181.67	728,676.76	
9,627.00	1.70	260.30	9,620.16	189.50	-51.31	196.33	344.85	0.21	393,181.19	728,671.69	
9,817.00	0.50	194.10	9,810.13	188.22	-54.29	195.90	343.91	0.82	393,179.91	728,668.71	
10,006.00	1.10	68.40	9,998.12	188.09	-52.81	195.37	344.32	0.77	393,179.78	728,670.19	
10,194.00	0.50	56.90	10,187.10	189.21	-50.44	195.82	345.07	0.33	393,180.90	728,672.56	
10,383.00	0.60	264.80	10,376.09	189.57	-50.73	196.24	345.02	0.56	393,181.26	728,672.27	
10,572.00	0.70	11.90	10,565.09	190.61	-51.48	197.44	344.89	0.55	393,182.30	728,671.52	
10,761.00	0.50	185.30	10,754.08	190.92	-51.32	197.70	344.96	0.63	393,182.61	728,671.68	
10,950.00	0.60	341.60	10,943.08	191.04	-51.71	197.91	344.86	0.57	393,182.72	728,671.29	
11,139.00	0.70	319.80	11,132.07	192.86	-52.76	199.95	344.70	0.14	393,184.54	728,670.24	

Survey Report Landscape

Company: Mewbourne Oil Company
Project: Eddy County, NM (NMEZ) NAD83 Grid
Site: Big Sinks
Well: Big Sinks 1/12 W1BO FED COM 2H
Wellbore: Lateral
Design: Lateral AsDrilled

Local Co-ordinate Reference: Well Big Sinks 1/12 W1BO FED COM 2H - Slot B
TVD Reference: 3273+28 @ 3301.00usft (r560)
MD Reference: 3273+28 @ 3301.00usft (r560)
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 (°/100ft)	Northing (usft)	Easting (usft)
11,227.46	0.65	299.14	11,220.52	193.52	-53.55	200.79	344.53	0.28	393,185.20	728,669.45
BS 1/12 W1BO FC 1H KOP_10FNL_2330FEL										
11,238.49	0.65	296.42	11,231.55	193.57	-53.66	200.87	344.51	0.28	393,185.26	728,669.34
BS 1 W1AP FC 3H KOP_10FNL_1000FEL										
11,328.00	0.70	275.50	11,321.06	193.85	-54.66	201.41	344.25	0.28	393,185.54	728,668.34
11,406.00	0.70	261.20	11,399.05	193.82	-55.60	201.64	343.99	0.22	393,185.51	728,667.40
11,490.00	3.30	179.30	11,483.00	191.33	-56.08	199.38	343.66	3.90	393,183.01	728,666.92
11,500.06	5.44	171.82	11,493.03	190.57	-56.01	198.63	343.62	21.94	393,182.25	728,666.99
BS 1/12 W1BO FC 2H KOP_10FNL_1666FEL										
11,538.00	13.70	165.00	11,530.41	184.44	-54.59	192.35	343.51	21.94	393,176.12	728,666.41
11,585.00	22.50	164.20	11,575.04	170.38	-50.69	177.76	343.43	18.73	393,162.07	728,672.31
11,633.00	25.30	167.50	11,618.92	151.52	-45.97	158.34	343.12	6.46	393,143.21	728,677.03
11,680.00	28.20	170.80	11,660.89	130.75	-42.02	137.34	342.18	6.93	393,122.44	728,680.98
11,727.00	31.10	174.40	11,701.74	107.70	-39.06	114.57	340.07	7.24	393,099.39	728,683.94
11,774.00	34.50	176.50	11,741.24	82.33	-37.06	90.28	335.76	7.63	393,074.01	728,685.94
11,821.00	39.50	176.70	11,778.76	54.10	-35.39	64.65	326.81	10.64	393,045.79	728,687.61
11,868.00	43.80	177.10	11,813.87	22.92	-33.70	40.76	304.22	9.17	393,014.60	728,689.30
11,915.00	44.80	178.50	11,847.51	-9.88	-32.45	33.92	253.06	2.98	392,981.80	728,690.55
11,952.40	45.73	179.67	11,873.83	-36.44	-32.02	48.52	221.31	3.35	392,955.24	728,690.98
BS 1/12 W1BO FC 1H LP_330FNL_2300FEL										
11,963.00	46.00	180.00	11,881.21	-44.05	-32.00	54.45	216.00	3.35	392,947.63	728,691.00
11,971.15	46.54	180.05	11,886.85	-49.94	-32.01	59.32	212.66	6.61	392,941.75	728,690.99
BS 1 W1AP FC 3H LP_330FNL_1000FEL										
12,010.00	49.10	180.30	11,912.93	-78.73	-32.10	85.02	202.18	6.61	392,912.96	728,690.90
12,058.00	52.20	181.20	11,943.36	-116.84	-32.69	120.33	195.71	6.62	392,875.85	728,690.41
12,070.00	53.45	181.28	11,950.62	-125.40	-32.80	129.62	194.66	10.44	392,866.29	728,690.20
Wellpath Crosses 330'HL @ Heel - Final 2H Crosses 330'HL @ Heel_330FNL_1664FEL										
12,105.00	57.10	181.50	11,970.55	-154.15	-33.49	157.75	192.26	10.44	392,837.54	728,689.51

Survey Report Landscape

Company: Mewbourne Oil Company
Project: Eddy County, NM (NMEZ) NAD83 Grid
Site: Big Sinks
Well: Big Sinks 1/12 W1BO FED COM 2H
Wellbore: Lateral
Design: Lateral AsDrilled

Local Co-ordinate Reference: Well Big Sinks 1/12 W1BO FED COM 2H - Slot B
TVD Reference: 3273+28 @ 3301.00usft (r560)
MD Reference: 3273+28 @ 3301.00usft (r560)
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 (°/100ft)	Northing (usft)	Easting (usft)
12,152.00	63.90	181.90	11,993.68	-195.01	-34.71	198.08	190.09	14.49	392,796.67	728,688.29
12,199.00	68.20	181.50	12,012.75	-237.94	-35.98	240.64	188.60	9.18	392,753.75	728,687.02
12,246.00	70.00	182.30	12,029.52	-281.82	-37.44	284.30	187.57	4.15	392,709.87	728,685.56
12,293.00	75.00	181.80	12,043.65	-326.60	-39.04	328.93	186.82	10.69	392,665.08	728,683.96
12,341.00	78.50	180.10	12,054.65	-373.31	-39.81	375.42	186.09	8.07	392,618.38	728,683.19
12,348.04	78.85	180.20	12,058.03	-380.21	-39.83	382.29	185.98	5.18	392,611.48	728,683.17
BS 1/12 W1BO FC 2H LP										
12,371.00	80.00	180.52	12,060.24	-402.78	-39.97	404.75	185.67	5.18	392,588.91	728,683.03
Wellpath is @ 80° - Final 2H Wellpath @ 80°_607FNL_1673FEL										
12,457.00	84.30	181.70	12,071.99	-487.94	-41.62	489.71	184.88	5.18	392,503.75	728,681.38
12,552.00	89.90	182.90	12,076.79	-582.70	-45.43	584.47	184.46	6.03	392,408.99	728,677.57
12,646.00	89.10	181.50	12,077.61	-676.62	-49.04	678.40	184.15	1.72	392,315.06	728,673.96
12,740.00	88.50	180.80	12,079.58	-770.58	-50.93	772.26	183.78	0.98	392,221.10	728,672.07
12,835.00	88.80	180.90	12,081.82	-865.55	-52.34	867.13	183.46	0.33	392,126.14	728,670.66
12,929.00	89.10	179.20	12,083.54	-959.53	-52.42	960.96	183.13	1.84	392,032.16	728,670.58
13,024.00	89.00	179.40	12,085.12	-1,054.51	-51.26	1,055.75	182.78	0.24	391,937.18	728,671.74
13,118.00	90.00	179.20	12,085.94	-1,148.49	-50.11	1,149.59	182.50	1.08	391,843.19	728,672.89
13,213.00	89.90	179.40	12,086.02	-1,243.49	-48.95	1,244.45	182.25	0.24	391,748.20	728,674.05
13,307.00	90.30	179.20	12,085.86	-1,337.48	-47.80	1,338.33	182.05	0.48	391,654.21	728,675.20
13,401.00	89.90	178.90	12,085.69	-1,431.47	-46.24	1,432.21	181.85	0.53	391,560.22	728,676.76
13,496.00	90.10	178.80	12,085.69	-1,526.45	-44.33	1,527.09	181.66	0.24	391,465.24	728,678.67
13,590.00	90.10	178.70	12,085.53	-1,620.42	-42.28	1,620.98	181.49	0.11	391,371.26	728,680.72
13,684.00	89.40	179.30	12,085.94	-1,714.41	-40.64	1,714.89	181.36	0.98	391,277.28	728,682.36
13,779.00	89.70	180.00	12,086.69	-1,809.40	-40.06	1,809.86	181.27	0.80	391,182.28	728,682.94
13,873.00	89.00	178.80	12,087.75	-1,903.39	-39.08	1,903.79	181.18	1.48	391,088.30	728,683.92
13,968.00	89.00	177.50	12,089.41	-1,998.32	-36.01	1,998.65	181.03	1.37	390,993.36	728,686.99
14,062.00	89.60	177.50	12,090.56	-2,092.23	-31.91	2,092.47	180.87	0.64	390,899.46	728,681.09

Survey Report Landscape

Company: Mewbourne Oil Company
Project: Eddy County, NM (NMEZ) NAD83 Grid
Site: Big Sinks
Well: Big Sinks 1/12 W1BO FED COM 2H
Wellbore: Lateral
Design: Lateral AsDrilled

Local Co-ordinate Reference: Well Big Sinks 1/12 W1BO FED COM 2H - Slot B
TVD Reference: 3273+28 @ 3301.00usft (r560)
MD Reference: 3273+28 @ 3301.00usft (r560)
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 (°/100ft)	Northing (usft)	Easting (usft)
14,157.00	89.90	176.80	12,090.97	-2,187.11	-27.19	2,187.28	180.71	0.80	390,804.58	728,695.81
14,252.00	88.80	176.80	12,092.05	-2,281.95	-21.89	2,282.06	180.55	1.16	390,709.73	728,701.11
14,346.00	88.70	178.80	12,094.10	-2,375.85	-18.28	2,375.93	180.44	2.13	390,615.83	728,704.72
14,441.00	88.50	179.10	12,096.42	-2,470.81	-16.54	2,470.87	180.38	0.38	390,520.88	728,706.46
14,535.00	89.30	179.00	12,098.23	-2,564.78	-14.98	2,564.82	180.33	0.86	390,426.91	728,708.02
14,629.00	89.10	178.90	12,099.54	-2,658.75	-13.26	2,658.79	180.29	0.24	390,332.93	728,709.74
14,723.00	89.00	177.60	12,101.10	-2,752.70	-10.39	2,752.72	180.22	1.39	390,238.99	728,712.61
14,818.00	89.70	179.00	12,102.18	-2,847.64	-7.57	2,847.65	180.15	1.65	390,144.04	728,715.43
14,912.00	90.50	180.10	12,102.01	-2,941.64	-6.83	2,941.65	180.13	1.45	390,050.05	728,716.17
15,007.00	90.30	181.00	12,101.35	-3,036.63	-7.74	3,036.64	180.15	0.97	389,955.05	728,715.26
15,101.00	90.20	180.00	12,100.94	-3,130.63	-8.56	3,130.64	180.16	1.07	389,861.06	728,714.44
15,196.00	90.30	180.50	12,100.52	-3,225.62	-8.98	3,225.64	180.16	0.54	389,766.06	728,714.02
15,291.00	90.20	180.30	12,100.11	-3,320.62	-9.64	3,320.63	180.17	0.24	389,671.08	728,713.36
15,385.00	90.00	181.50	12,099.95	-3,414.61	-11.12	3,414.63	180.19	1.29	389,577.08	728,711.88
15,485.00	90.50	180.00	12,099.51	-3,514.59	-12.43	3,514.62	180.20	1.58	389,477.09	728,710.57
15,580.00	89.50	179.80	12,099.51	-3,609.59	-12.26	3,609.61	180.19	1.07	389,382.09	728,710.74
15,674.00	88.40	179.70	12,101.23	-3,703.57	-11.85	3,703.59	180.18	1.18	389,288.11	728,711.15
15,768.00	88.10	179.40	12,104.10	-3,797.53	-11.11	3,797.54	180.17	0.45	389,194.16	728,711.89
15,863.00	87.00	180.00	12,108.16	-3,892.44	-10.62	3,892.45	180.16	1.32	389,099.25	728,712.38
15,957.00	87.00	180.20	12,113.08	-3,986.31	-10.78	3,986.32	180.15	0.21	389,005.38	728,712.22
16,058.00	89.90	179.70	12,115.81	-4,087.26	-10.69	4,087.27	180.15	2.91	388,904.42	728,712.31
16,153.00	91.00	180.20	12,115.07	-4,182.26	-10.61	4,182.27	180.15	1.27	388,809.43	728,712.39
16,247.00	91.20	180.60	12,113.26	-4,276.24	-11.26	4,276.25	180.15	0.48	388,715.45	728,711.74
16,342.00	92.50	181.20	12,110.20	-4,371.17	-12.76	4,371.19	180.17	1.51	388,620.51	728,710.24
16,436.00	91.90	181.60	12,106.59	-4,465.07	-15.05	4,465.10	180.19	0.77	388,526.61	728,707.95
16,530.00	91.60	181.80	12,103.72	-4,558.99	-17.84	4,559.02	180.22	0.38	388,432.70	728,705.16
16,624.00	91.60	181.90	12,101.09	-4,652.90	-20.87	4,652.95	180.26	0.11	388,338.78	728,702.13

Survey Report Landscape

Company: Mewbourne Oil Company
Project: Eddy County, NM (NMEZ) NAD83 Grid
Site: Big Sinks
Well: Big Sinks 1/12 W1BO FED COM 2H
Wellbore: Lateral
Design: Lateral AsDrilled

Local Co-ordinate Reference: Well Big Sinks 1/12 W1BO FED COM 2H - Slot B
TVD Reference: 3273+28 @ 3301.00usft (r560)
MD Reference: 3273+28 @ 3301.00usft (r560)
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 (°/100ft)	Northing (usft)	Easting (usft)
16,719.00	94.00	182.10	12,096.45	-4,747.73	-24.18	4,747.79	180.29	2.54	388,243.96	728,698.82
16,770.78	91.25	180.17	12,094.08	-4,799.43	-25.21	4,799.50	180.30	6.49	388,192.25	728,697.79
BS 1 W1AP FC 3H PBHL_330FSL_1000FEL										
16,813.00	89.00	178.60	12,093.99	-4,841.65	-24.75	4,841.71	180.29	6.49	388,150.04	728,698.25
16,908.00	87.00	178.50	12,097.31	-4,936.55	-22.35	4,936.60	180.26	2.11	388,055.13	728,700.65
17,002.00	86.20	179.40	12,102.68	-5,030.37	-20.63	5,030.41	180.23	1.28	387,961.31	728,702.37
17,097.00	89.10	180.50	12,106.78	-5,125.28	-20.55	5,125.32	180.23	3.26	387,866.41	728,702.45
17,191.00	91.60	179.50	12,106.20	-5,219.27	-20.55	5,219.31	180.23	2.86	387,772.42	728,702.45
17,285.00	91.20	178.70	12,103.91	-5,313.23	-19.07	5,313.26	180.21	0.95	387,678.46	728,703.93
17,380.00	89.30	178.80	12,103.49	-5,408.20	-17.00	5,408.23	180.18	2.00	387,583.48	728,706.00
17,474.00	94.20	179.30	12,100.62	-5,502.11	-15.44	5,502.14	180.16	5.24	387,489.57	728,707.56
17,569.00	94.40	178.20	12,093.50	-5,596.82	-13.38	5,596.84	180.14	1.17	387,394.86	728,709.62
17,663.00	94.60	178.90	12,086.12	-5,690.50	-11.01	5,690.51	180.11	0.77	387,301.18	728,711.99
17,757.00	92.70	178.70	12,080.14	-5,784.29	-9.04	5,784.29	180.09	2.03	387,207.40	728,713.96
17,852.00	90.50	177.20	12,077.49	-5,879.18	-5.64	5,879.18	180.05	2.80	387,112.50	728,717.36
17,944.00	91.90	178.50	12,075.56	-5,971.02	-0.59	5,971.02	180.01	1.70	387,020.67	728,722.41
18,037.00	89.40	177.10	12,074.51	-6,063.86	4.60	6,063.86	179.96	2.76	386,927.83	728,727.60
18,131.00	89.10	181.80	12,075.74	-6,157.82	5.50	6,157.82	179.95	5.01	386,833.86	728,728.50
18,226.00	89.30	179.10	12,077.06	-6,252.80	4.76	6,252.80	179.96	2.85	386,738.89	728,727.76
18,320.00	89.30	178.20	12,078.21	-6,346.77	6.97	6,346.77	179.94	0.96	386,644.92	728,729.97
18,414.00	89.10	182.20	12,079.53	-6,440.74	6.64	6,440.74	179.94	4.26	386,550.95	728,729.64
18,509.00	89.20	181.50	12,080.93	-6,535.68	3.58	6,535.68	179.97	0.74	386,456.01	728,726.58
18,604.00	89.30	180.20	12,082.18	-6,630.66	2.17	6,630.66	179.98	1.37	386,361.03	728,725.17
18,699.00	89.30	179.70	12,083.34	-6,725.65	2.25	6,725.65	179.98	0.53	386,266.04	728,725.25
18,794.00	89.50	179.20	12,084.33	-6,820.64	3.16	6,820.64	179.97	0.57	386,171.05	728,726.16
18,889.00	89.00	182.20	12,085.58	-6,915.61	2.00	6,915.61	179.98	3.20	386,076.07	728,725.00
18,984.00	94.00	182.40	12,083.09	-7,010.47	-1.81	7,010.47	180.01	5.27	385,981.21	728,721.19

Survey Report Landscape

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Project: Eddy County, NM (NMEZ) NAD83 Grid
Site: Big Sinks
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Local Co-ordinate Reference: Well Big Sinks 1/12 W1BO FED COM 2H - Slot B
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Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100ft)	Northing (usft)	Easting (usft)
19,079.00	89.30	180.40	12,080.36	-7,105.37	-4.12	7,105.38	180.03	5.38	385,886.31	728,718.88
19,174.00	89.60	182.80	12,081.27	-7,200.33	-6.78	7,200.33	180.05	2.55	385,791.36	728,716.22
19,268.00	94.40	182.00	12,077.99	-7,294.16	-10.71	7,294.17	180.08	5.18	385,697.53	728,712.29
19,363.00	93.50	181.10	12,071.44	-7,388.90	-13.27	7,388.91	180.10	1.34	385,602.79	728,709.73
19,458.00	91.20	179.50	12,067.55	-7,483.80	-13.77	7,483.82	180.11	2.95	385,507.88	728,709.23
19,553.00	90.60	177.00	12,066.06	-7,578.74	-10.87	7,578.75	180.08	2.71	385,412.94	728,712.13
19,648.00	90.50	178.30	12,065.15	-7,673.65	-6.97	7,673.66	180.05	1.37	385,318.03	728,716.03
19,743.00	90.30	178.80	12,064.48	-7,768.56	-2.91	7,768.56	180.02	1.59	385,223.12	728,720.09
19,838.00	89.80	178.90	12,064.40	-7,863.49	0.65	7,863.49	180.00	2.27	385,128.20	728,723.65
19,933.00	90.40	177.80	12,064.23	-7,958.45	3.39	7,958.45	179.98	1.32	385,033.24	728,726.39
20,028.00	90.10	178.00	12,063.82	-8,053.38	6.87	8,053.39	179.95	0.38	384,938.30	728,729.87
20,123.00	90.20	177.80	12,063.57	-8,148.32	10.35	8,148.33	179.93	0.24	384,843.37	728,733.35
20,218.00	90.20	177.90	12,063.24	-8,243.25	13.91	8,243.26	179.90	0.11	384,748.43	728,736.91
20,312.00	89.50	178.00	12,063.48	-8,337.19	17.28	8,337.21	179.88	0.75	384,654.49	728,740.28
20,407.00	89.60	178.40	12,064.23	-8,432.14	20.26	8,432.17	179.86	0.43	384,559.54	728,743.26
20,502.00	89.70	177.90	12,064.81	-8,527.09	23.33	8,527.12	179.84	0.54	384,464.60	728,746.33
20,597.00	89.50	177.70	12,065.47	-8,622.02	26.97	8,622.06	179.82	0.30	384,369.67	728,749.97
20,692.00	89.50	177.90	12,066.30	-8,716.94	30.62	8,717.00	179.80	0.21	384,274.74	728,753.62
20,787.00	89.30	179.50	12,067.30	-8,811.91	32.77	8,811.97	179.79	1.70	384,179.77	728,755.77
20,881.00	89.80	180.70	12,068.04	-8,905.91	32.61	8,905.97	179.79	1.38	384,085.78	728,755.61
20,976.00	89.80	179.10	12,068.37	-9,000.90	32.78	9,000.96	179.79	1.68	383,990.78	728,755.78
21,071.00	89.20	181.30	12,069.20	-9,095.89	32.44	9,095.95	179.80	2.40	383,895.79	728,755.44
21,166.00	88.70	179.90	12,070.94	-9,190.87	31.45	9,190.92	179.80	1.56	383,800.82	728,754.45
21,242.00	89.90	179.20	12,071.87	-9,266.86	32.05	9,266.91	179.80	1.83	383,724.83	728,755.05
21,337.00	90.90	180.80	12,071.20	-9,361.85	32.05	9,361.91	179.80	1.99	383,629.83	728,755.05
21,432.00	90.80	179.50	12,069.79	-9,456.84	31.80	9,456.89	179.81	1.37	383,534.85	728,754.80
21,527.00	90.50	179.50	12,068.72	-9,551.83	32.63	9,551.88	179.80	0.32	383,439.86	728,755.63

Survey Report Landscape

Company: Mewbourne Oil Company
Project: Eddy County, NM (NMEZ) NAD83 Grid
Site: Big Sinks
Well: Big Sinks 1/12 W1BO FED COM 2H
Wellbore: Lateral
Design: Lateral AsDrilled

Local Co-ordinate Reference: Well Big Sinks 1/12 W1BO FED COM 2H - Slot B
TVD Reference: 3273+28 @ 3301.00usft (r560)
MD Reference: 3273+28 @ 3301.00usft (r560)
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 (°/100ft)	Northing (usft)	Easting (usft)
21,622.00	90.90	179.10	12,067.56	-9,646.81	33.79	9,646.87	179.80	0.60	383,344.87	728,756.79
21,717.00	90.80	178.50	12,066.15	-9,741.78	35.78	9,741.85	179.79	0.64	383,249.90	728,758.78
21,812.00	91.10	180.20	12,064.57	-9,836.76	36.85	9,836.83	179.79	1.82	383,154.93	728,759.85
21,906.00	90.90	180.10	12,062.93	-9,930.74	36.61	9,930.81	179.79	0.24	383,060.94	728,759.61
22,001.00	90.50	180.60	12,061.77	-10,025.73	36.03	10,025.80	179.79	0.67	382,965.95	728,759.03
22,085.00	90.80	180.70	12,060.82	-10,109.72	35.08	10,109.78	179.80	0.38	382,881.96	728,758.08
22,109.00	90.80	180.70	12,060.48	-10,133.72	34.78	10,133.78	179.80	0.00	382,857.97	728,757.78
Wellpath Crosses 330°HL @ Toe - BS 1/12 W1BO FC 2H PBHL_330FSL_1665FEL - Final 2H Crosses 330°HL @ toe_330FSL_1661FEL										
22,124.00	90.80	180.70	12,060.27	-10,148.72	34.60	10,148.77	179.80	0.00	382,842.97	728,757.60
TD - Final 2H TD_316FSL_1661FEL - BS 1/12 W1BO FC 1H PBHL_330FSL_2330FEL - BS 1/12 W1BO FC 2H BHL										

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
12,070.00	11,950.62	-125.40	-32.80	Wellpath Crosses 330°HL @ Heel
12,371.00	12,060.26	-402.78	-39.97	Wellpath is @ 80°
22,109.00	12,060.48	-10,133.72	34.78	Wellpath Crosses 330°HL @ Toe
22,124.00	12,060.27	-10,148.72	34.60	TD

Checked By: _____ Approved By: _____ Date: _____

Intent ☐ As Drilled ☒

API # 30-015-46962		
Operator Name: Mewbourne Oil Co.	Property Name: Big Sinks 1/12 W1BO Fed Com	Well Number 2H

Kick Off Point (KOP)

UL B	Section 1	Township 26S	Range 31E	Lot	Feet 10	From N/S N	Feet 1683	From E/W E	County Eddy
Latitude 32.079503					Longitude -103.7285025			NAD 83	

First Take Point (FTP)

UL B	Section 1	Township 26S	Range 31E	Lot	Feet 380	From N/S N	Feet 1664	From E/W E	County Eddy
Latitude 32.0784840					Longitude -103.7284401			NAD 83	

Last Take Point (LTP)

UL O	Section 12	Township 26S	Range 31E	Lot	Feet 372	From N/S S	Feet 1651	From E/W E	County Eddy
Latitude 32.0512269					Longitude -103.7283955			NAD 83	

Is this well the defining well for the Horizontal Spacing Unit? ☐ YIs this well an infill well? ☐ N

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

API # 30-015-47055		
Operator Name: Mewbourne Oil Co.	Property Name: Big Sinks 1/12 W1BO Fed Com	Well Number 1H

KZ 06/29/2018



U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Sundry Print Report

08/16/2021

Well Name: BIG SINKS 1_12 W1BO FED COM	Well Location: T26S / R31E / SEC 1 / NWNE / 32.0789693 / -103.7283264	County or Parish/State: EDDY / NM
Well Number: 2H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM089057, NMNM89057	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001546962	Well Status: Drilling Well	Operator: MEWBOURNE OIL COMPANY

Subsequent Report

Type of Submission: Subsequent Report**Type of Action:** Hydraulic Fracturing**Date Sundry Submitted:** 06/15/2021**Time Sundry Submitted:** 01:37**Date Operation Actually Began:** 01/11/2021

Actual Procedure: Frac horizontal Wolfcamp from 11910' MD to 21878' MD w/25,349,604 gals Slickwater, carrying 22,358,670# local 100 mesh sand & 2,526,100# 40/70 sand. Flowback well for cleanup. 02/05/2021 Drill out frac plugs to PBTD @ 21893'. 02/11/2021 RIH w/3 1/2" 9.3# L80 IPC tbg & GLVs to 10855'. 02/17/2021 PWOL. FORMATION TOPS: Rustler 978', T/salt 1322', Castile 2147', B/salt 4052', Delaware 4265', Bell Canyon 4296', Cherry Canyon 5343', Brushy Canyon 6928', Bone Spring 8296', 1st Bone Spring 9282', 2nd Bone Spring 9933', 3rd Bone Spring 11203', Wolfcamp 11616'. REQUEST FOR OCD EXTENSION OF TIME TO FILE BLM APPROVED FORM 3160-4.

Well Name: BIG SINKS 1_12 W1BO FED COM	Well Location: T26S / R31E / SEC 1 / NWNE / 32.0789693 / -103.7283264	County or Parish/State: EDDY / NM
Well Number: 2H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM089057, NMNM89057	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001546962	Well Status: Drilling Well	Operator: MEWBOURNE OIL COMPANY

Operator Certification

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: BRADLEY BISHOP**Signed on:** JUN 15, 2021 01:36 PM**Name:** MEWBOURNE OIL COMPANY**Title:** Regulatory**Street Address:** PO Box 5270**City:** Hobbs**State:** NM**Phone:** (575) 393-5905**Email address:** bbishop@mewbourne.com**Field Representative****Representative Name:** Jackie Lathan**Street Address:** PO Box 5270**City:** Hobbs**State:** NM**Zip:** 88241**Phone:** (575)393-5905**Email address:** jlathan@mewbourne.com**BLM Point of Contact****BLM POC Name:** Jonathon W Shepard**BLM POC Title:** Petroleum Engineer**BLM POC Phone:** 5752345972**BLM POC Email Address:** jshepard@blm.gov**Disposition:** Accepted**Disposition Date:** 06/28/2021**Signature:** Jonathon Shepard



U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Well Completion Print Report

04/06/2021

Operator Name MEWBOURNE OIL COMPANY SHL NWNE Sec 1 26S 31E	Well Name BIG SINKS 1_12 W1BO FED COM County EDDY	Well Number 2H State NM	US Well Number 3001546962 Lease Number(s) NMNM089057, NMNM89057
Well Type CONVENTIONAL GAS WELL Allottee/Tribe Name	Well Status Approved Application for Permit to Drill Well Pad Name Big Sinks 1 W1AP Fed Com	Agreement Name Well Pad Number 3H	Agreement Number(s) ID 10400046773

Section 1 - General

Well Completion Report Id: 59189 **Submission Date:** N/A until DB Work

BLM Office: Carlsbad Field Office **User:** Bradley Bishop **Title:** Regulatory

Federal/Indian: FEDERAL **Lease Number:** NMNM089057 **Lease Acres:** 2160

Agreement in place?: NO **Federal or Indian Agreement:**

Agreement Number: **Agreement Name:**

Keep this Well Completion Report confidential?: YES

APD Operator: MEWBOURNE OIL
COMPANY

Section 2 - Well Information

Field/Pool or Exploratory: Field/Pool **Pool Name:** PURPLE SAGE WOLFCAMP **Field Name:** purple sage; wolfcamp (ga

Well Type: CONVENTIONAL GAS WELL

Spud Date: 06-02-2020

Date Total Measured Depth Reached: 07-05-2020

Drill & Abandon or Ready To Produce: READY TO PRODUCE

Well Class: HORIZONTAL

Section 3 - Geologic Formations

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral Resources
UNKNOWN	ANHYDRITE		3273	27	27	NONE	

Operator Name MEWBOURNE OIL COMPANY SHL NWNE Sec 1 26S 31E	Well Name BIG SINKS 1_12 W1BO FED COM	Well Number 2H	US Well Number 3001546962
	County EDDY	State NM	Lease Number(s) NMNM089057, NMNM89057
Well Type CONVENTIONAL GAS WELL	Well Status Approved Application for Permit to Drill	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name Big Sinks 1 W1AP Fed Com	Well Pad Number 3H	ID 10400046773

Section 3 - Geologic Formations

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral Resources
RUSTLER	ANHYDRITE, DOLOMITE		2123	1150	1150	USEABLE WATER	
TOP SALT	SALT		1783	1490	1490	NONE	
BOTTOM SALT	SALT		-847	4120	4120	NONE	
DELAWARE	LIMESTONE		-1057	4330	4330	NATURAL GAS, OIL	
MANZANITA	SANDSTONE		-2286	5559	5559	NATURAL GAS, OIL	
BONE SPRING	SANDSTONE		-5048	8321	8321	NATURAL GAS, OIL	
BONE SPRING 1ST	SANDSTONE		-6038	9311	9311	NATURAL GAS, OIL	
BONE SPRING 2ND	SANDSTONE		-6703	9976	9976	NATURAL GAS, OIL	
BONE SPRING 3RD	SANDSTONE		-7903	11176	11176	NATURAL GAS, OIL	
WOLFCAMP	LIMESTONE, SANDSTONE, SHALE		-8321	11594	11596	NATURAL GAS, OIL	

Completion and Completed Intervals

Completion Data

Wellbore Code	Completion Code	Interval Number	Case Number	Lease Number	Well Completion Type	Describe Well Completion Type	Completion Status	Date Completed	Date First Produced	Formation	Interval Top (MD)	Interval Bottom (MD)	Interval Perforated?	Perforation Size	Number of Holes	Status of Interval
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Operator Name MEWBOURNE OIL COMPANY SHL NWNE Sec 1 26S 31E	Well Name BIG SINKS 1_12 W1BO FED COM	Well Number 2H	US Well Number 3001546962
	County EDDY	State NM	Lease Number(s) NMNM089057, NMNM89057
Well Type CONVENTIONAL GAS WELL	Well Status Approved Application for Permit to Drill	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name Big Sinks 1 W1AP Fed Com	Well Pad Number 3H	ID 10400046773

Completion Data

Wellbore Code	Completion Code	Interval Number	Case Number	Lease Number	Well Completion Type	Describe Well Completion Type	Completion Status	Date Completed	Date First Produced	Formation	Interval Top (MD)	Interval Bottom (MD)	Interval Perforated?	Perforation Size	Number of Holes	Status of Interval
00	X1	1	NMNM89057	NMNM89057	NEW		DRG	01-27-2021	02-17-2021	WOLFCA MP	11910	21878	Y	.39	2880	OPEN

Treatment Data

Wellbore Code	Completion Code	Interval Number	Interval Treated?	Treatment Type	Totile Fluid (bbls)	Total Proppant (lbs)	Treatment Remarks
00	X1	1	Y	FRAC	602440		25,302,480 gals slickwater, carrying 22,703,330 # local 100 mesh sand & 342,760# 40/70 sand.

Production Data

Wellbore Code	Completion Code	Interval Number	API Oil Gravity	Gas Gravity	Production Method	Describe Production	Disposition of Gas	Describe Disposition
00	X1	1		.7493	GAS LIFT		SOLD	

Operator Name MEWBOURNE OIL COMPANY SHL NWNE Sec 1 26S 31E	Well Name BIG SINKS 1_12 W1BO FED COM	Well Number 2H	US Well Number 3001546962
	County EDDY	State NM	Lease Number(s) NMNM089057, NMNM89057
Well Type CONVENTIONAL GAS WELL	Well Status Approved Application for Permit to Drill	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name Big Sinks 1 W1AP Fed Com	Well Pad Number 3H	ID 10400046773

Test Data

Wellbore Code	Completion Code	Interval Number	Test Date	Hours Tested	24-Hour Rate Oil (bbls)	24-Hour Rate Gas (MCF)	24-Hour Rate Water(BWPD)	Gas-Oil Ratio (SCF/Bbl)	Choke Size	Tubing Pressure	Tubing Pressure Shut-In (psi)	Casing Pressure (psi)
00	X1	1	03/11/2021	24	1192	5691	3720	4774	38/64	2815		40

Well Location

Survey Type: RECTANGULAR

Survey Number:

Datum: NAD83

Vertical Datum: NAVD88

Reference Datum: GL

	State	Meridian	County	Latitude	Longitude	Elevation (MSL)	Lease Type	Lease Number	Plug TVD (ft)	Plug MID (ft)	Plug Type	NS-Foot	NS-Indicator	EW-Foot	EW-Indicator	Township	Range	Section	Aliquot/Lot/Tract
SHL	NEW MEXICO	NEW MEXICO PRINCIPAL	EDDY	32.0789693	103.7283264	3273	FEE	FEE				205	FNL	1630	FEL	26S	31E	1	NWNE
KOP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	EDDY	32.079503	103.7285025	-8126	FEE	FEE				10	FNL	1683	FEL	26S	31E	1	NWNE
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	EDDY	32.078484	103.7284401	-8710	FEE	FEE				380	FNL	1664	FEL	26S	31E	1	NWNE
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	EDDY	32.064865	103.7284859	-8834	FEDERAL	NMNM89057				0	FNL	1678	FEL	26S	31E	12	NWNE

Operator Name MEWBOURNE OIL COMPANY SHL NWNE Sec 1 26S 31E	Well Name BIG SINKS 1_12 W1BO FED COM	Well Number 2H	US Well Number 3001546962
	County EDDY	State NM	Lease Number(s) NMNM089057, NMNM89057
Well Type CONVENTIONAL GAS WELL	Well Status Approved Application for Permit to Drill	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name Big Sinks 1 W1AP Fed Com	Well Pad Number 3H	ID 10400046773

	State	Meridian	County	Latitude	Longitude	Elevation (MSL)	Lease Type	Lease Number	Plug TVD (ft)	Plug MD (ft)	Plug Type	NS-Foot	NS-Indicator	EW-Foot	EW-Indicator	Township	Range	Section	Aliquot/Lot/Tract
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	EDDY	32.0575358	-103.7284738	-8791	FEDERAL	NMNM 120904				2667	FSL	1675	FEL	26S	31E	12	NWSE
EXIT Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	EDDY	32.0512269	-103.7283955	-8788	FEDERAL	NMNM 120904				372	FSL	1651	FEL	26S	31E	12	SWSE
BHL Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	EDDY	32.051073	-103.7283985	-8787	FEDERAL	NMNM 120904				316	FSL	1652	FEL	26S	31E	12	SWSE

Casing, Liner and Tubing

Casing and Liner

Wellbore Code	Casing String Type	Hole Size	Top Setting Depth (MD)	Bottom Setting Depth (MD)	Casing Size	Wt(lbs/ft)	Casing Grade	Describe Other Casing Grade	Joint	Other Joint	Amount Pulled (ft)
00	SURFACE	17.5	0	1263	13.375	54.5	J-55		ST&C		

Operator Name MEWBOURNE OIL COMPANY SHL NWNE Sec 1 26S 31E	Well Name BIG SINKS 1_12 W1BO FED COM	Well Number 2H	US Well Number 3001546962
	County EDDY	State NM	Lease Number(s) NMNM089057, NMNM89057
Well Type CONVENTIONAL GAS WELL	Well Status Approved Application for Permit to Drill	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name Big Sinks 1 W1AP Fed Com	Well Pad Number 3H	ID 10400046773

Casing and Liner

Wellbore Code	Casing String Type	Hole Size	Top Setting Depth (MD)	Bottom Setting Depth (MD)	Casing Size	Wt(lbs/ft)	Casing Grade	Describe Other Casing Grade	Joint	Other Joint	Amount Pulled (ft)
00	INTERMEDIATE	12.25	0	4270	9.625	40	HCL-80		LT&C		
00	PRODUCTION	8.75	0	11385	7.625	39	HCP-110		OTHER	LFJ	
00	LINER	6.125	11191	22124	4.5	13.5	HCP-110		OTHER	CDC-HTQ	

Cementing

Wellbore Code	Casing String Type	Stage Tool Depth	Cement Lead Type	Cement Lead Qty (sks)	Cement Lead Yield (cu.ft/sks)	Cement Lead Top (MD)	Cement Tail Type	Cement Tail Qty (sks)	Cement Tail Yield (cu.ft/sks)	Cement Tail Top (MD)	Total (Lead + Tail) Cement Slurry Volume (bbls)
00	SURFACE		Class C	900	1.74	0	Class C	200	1.34		326.6
00	INTERMEDIATE		Class C	850	2.2	0	Class C	200	1.33		380.4
00	PRODUCTION		Poz H	400	1.28	7450					491.6
00	PRODUCTION		Class C	150	3.25	1500	Class H	100	2.69		491.6
00	LINER		Poz H	775	1.74	11191				925	240.2

Operator Name MEWBOURNE OIL COMPANY SHL NWNE Sec 1 26S 31E	Well Name BIG SINKS 1_12 W1BO FED COM County EDDY	Well Number 2H State NM	US Well Number 3001546962 Lease Number(s) NMNM089057, NMNM89057
Well Type CONVENTIONAL GAS WELL Allottee/Tribe Name	Well Status Approved Application for Permit to Drill Well Pad Name Big Sinks 1 W1AP Fed Com	Agreement Name Well Pad Number 3H	Agreement Number(s) ID 10400046773

Tubing

Wellbore Code	Tubing Size	Describe Other	Tubing Setting Depth (MD/ft)	Packer Depth (MD/ft)	Tubing Weight	Tubing Grade	Describe Other	Tubing Coupling	Describe Other
00	3.5		11125	11110	9	L-80		OTHER	EUE

Logs

Wellbore Code	Log Upload	Was Well Cored?	Was DST Run?	Directional Survey?	Geologic Report Completed?	Wellbore Diagram
00	YES	NO	NO	YES	YES	YES

Operator Name MEWBOURNE OIL COMPANY SHL NWNE Sec 1 26S 31E	Well Name BIG SINKS 1_12 W1BO FED COM County EDDY	Well Number 2H State NM	US Well Number 3001546962 Lease Number(s) NMNM089057, NMNM89057
Well Type CONVENTIONAL GAS WELL	Well Status Approved Application for Permit to Drill	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name Big Sinks 1 W1AP Fed Com	Well Pad Number 3H	ID 10400046773

Operator Certification

I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Well Completion Reports through this system satisfies regulations requiring a submission of Form 3160-4 or a Well Completion Report.

Name: MEWBOURNE OIL COMPANY

Signed By: Bradley Bishop

Title: Regulatory

Signed on: 04/06/2021

Street Address: PO Box 5270

City: Hobbs

State: NM

Zip: 88260

Phone: (575)393-5905

Email address: bbishop@mewbourne.com

Field Representative

Representative Name: Jackie Lathan

Street Address: PO Box 5270

City: Hobbs

State: NM

Zip: 88241

Phone: (575)393-5905

Extension:

Email address: jlathan@mewbourne.com

Attachments

Mewbourne__Big_Sinks_1_12_W1BO_FC_2H_L1_R560_Final_Surveys_20210331094654.pdf

MewbourneBigSinks112W1BOFedCom2Hcnlprint_20210331094842.pdf

MewbourneBigSinks112W1BOFedCom2Hrcblemail_20210331094907.pdf

Big_Sinks_1_12_W1BO_Fed_Com_2H_WB_Diagram_20210401171453.xlsx

Big_Sinks_1_12_W1BO_Fed_Com_2H_2_5_TVD_20210406083619.pdf

Operator Name MEWBOURNE OIL COMPANY SHL NWNE Sec 1 26S 31E	Well Name BIG SINKS 1_12 W1BO FED COM County EDDY	Well Number 2H State NM	US Well Number 3001546962 Lease Number(s) NMNM089057, NMNM89057
Well Type CONVENTIONAL GAS WELL	Well Status Approved Application for Permit to Drill	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name Big Sinks 1 W1AP Fed Com	Well Pad Number 3H	ID 10400046773

SES_Final_Logs__Big_Sinks_1_12_W1BO_Fed_Com_2H_5_inch_MD_20210406083730.pdf

Big_Sinks_1_12_W1BO_Fed_Com_2H_mudlog_5_inch_20210406083926.pdf

Mewbourne Oil Company

Well Name: Big Sinks 1/12 W1BO Fed Com #2H

Updated by: Andy Taylor

Spud Date: 6/2/2020

Date Updated: 4/1/2021

Surface

17 1/2" x 13 3/4" 54.5# J55

Set @ 1263'

Cmt w/ 1100 sx

Circ. 370 sx to pit

Intermediate

12 1/4" x 9 3/4" 40# HCL80

Set @ 4270'

Cmt w/ 1050 sx

Circ. 93 sx to pit

Production

8 3/4" x 7 1/2" 39# HCP110

Set @ 11,385'

Cmt w/ 650 sx

TOC @ 1500' (calc.)

TBG Detail:

1	2 7/8" 6.5# L80 pup jt	6.00'
1	2 7/8" x 7" AS 1X Pkr	9.25'
1	2 7/8" SN & Collar	1.10'
1	2 7/8" x 3 1/2" X/O	0.50'
1	3 1/2" 9.3# L80 IPC tbq	33.00'
1	3 1/2" L80 IPC GLV #1	4.10'
22	3 1/2" 9.3# L80 IPC tbq	721.28'
1	3 1/2" L80 IPC GLV #2	4.10'
23	3 1/2" 9.3# L80 IPC tbq	757.34'
1	3 1/2" L80 IPC GLV #3	4.10'
23	3 1/2" 9.3# L80 IPC tbq	760.48'
1	3 1/2" L80 IPC GLV #4	4.10'
22	3 1/2" 9.3# L80 IPC tbq	727.93'
1	3 1/2" L80 IPC GLV #5	4.10'
23	3 1/2" 9.3# L80 IPC tbq	761.01'
1	3 1/2" L80 IPC GLV #6	4.10'
22	3 1/2" 9.3# L80 IPC tbq	726.60'
1	3 1/2" L80 IPC GLV #7	4.10'
23	3 1/2" 9.3# L80 IPC tbq	757.61'
1	3 1/2" L80 IPC GLV #8	4.10'
23	3 1/2" 9.3# L80 IPC tbq	760.25'
1	3 1/2" L80 IPC GLV #9	4.10'
22	3 1/2" 9.3# L80 IPC tbq	727.42'
1	3 1/2" L80 IPC GLV #10	4.10'
23	3 1/2" 9.3# L80 IPC tbq	757.24'
1	3 1/2" L80 IPC GLV #11	4.10'
23	3 1/2" 9.3# L80 IPC tbq	760.49'
1	3 1/2" L80 IPC GLV #12	4.10'
22	3 1/2" 9.3# L80 IPC tbq	724.10'
1	3 1/2" L80 IPC GLV #12	4.10'
61	3 1/2" 9.3# L80 IPC tbq	2016.19'
1	3 1/2" 9.3# L80 IPC sub	2.00'
1	3 1/2" 9.3# L80 IPC tbq	33.04'
Total tbq		11,096.13'
KR Correction		28.50'
Tbg set @		11,124.63'

Liner

6 1/8" x 4 1/2" 13.5# HCP110

Set @ 11,191'-22,124'

Cmt w/ 775 sx

KOP @ 11,406'

Dev @ KOP: 0.7°

TVD @ 12,116'

TD 6 1/8" hole @ 22,124'

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 42023

ACKNOWLEDGMENTS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 42023
	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.

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CONDITIONS

Action 42023

CONDITIONS

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	Action Number: 42023
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CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	9/23/2021