

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**5. Lease Serial No.
NMNM112931

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
BIG SINKS 1 A2 PA FED COM 1H9. API Well No.
30-015-42694-00-X110. Field and Pool, or Exploratory
JENNINGS11. County or Parish, and State
EDDY COUNTY, NM1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
MEWBOURNE OIL COMPANYContact: JACKIE LATHAN
E-Mail: jlathan@mewbourne.com3a. Address
P O BOX 5270
HOBBS, NM 882413b. Phone No. (include area code)
Ph: 575-393-5905

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 12 T26S R31E NENE 465FNL 330FEL
32.063472 N Lat, 103.723661 W Lon

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

MOC has an approved APD for the above well. MOC would like to change the surface location to 465' FNL & 460' FEL, Sec. 12 T26S R31E. Please see attached C102 & directional plan. Call Bradley Bishop with any questions.

Bond on file: NM1693 nationwide & NMB000919

This well was drilled in the wrong location, but on 11/10/2014

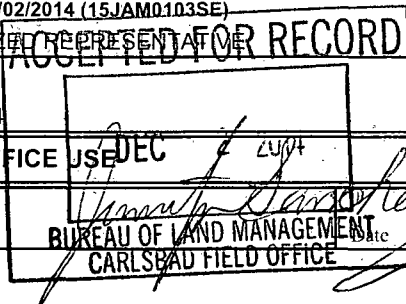
Accepted for record
APD NMOC 12/19/14

ARTESIA DISTRICT

DEC 09 2014

RECEIVED

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #283619 verified by the BLM Well Information System For MEWBOURNE OIL COMPANY, sent to the Carlsbad Committed to AFMSS for processing by JENNIFER MASON on 12/02/2014 (15JAM0103SE)	
Name (Printed/Typed) JACKIE LATHAN	Title AUTHORIZED REPRESENTATIVE
Signature (Electronic Submission)	Date 12/01/2014
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
Approved By _____	Title _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office _____



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.

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

District I
1623 N. French Dr., Hobbs, NM 88240
Phone: (505) 393-6161 Fax: (505) 393-0720

District II
611 S. First St., Artesia, NM 88210
Phone: (505) 748-1283 Fax: (505) 748-9720

District III
1000 Rio Brabos Road, Aztec, NM 87410
Phone: (505) 334-6176 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

WELL LOCATION AND ACREAGE DEDICATION PLAT

* API Number 30-015-42694		* Pool Code 97838	* Pool Name JENNINGS UPPER BONE SPRING SHALE
* Property Code	* Property Name BIG SINKS 1 A2 PA FED COM		* Well Number 1H
* OGRID No. 14744	* Operator Name MEWBOURNE OIL COMPANY		* Elevation 3261'

Surface Location

UL or lot no.	Section	Township	Range	Lot 10n	Feet from the	North/South line	Feet from the	East/West line	County
A	12	28-S	31-E		485'	NORTH	460'	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 10n	Feet from the	North/South line	Feet from the	East/West line	County
1	1	26-S	31-E		357'	NORTH	512'	EAST	EDDY

* Dedicated Acres 160	* Joint or Leasing	* Consolidation Code	* Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	CORNER DATA NAD 27 GRID - NM EAST A: FOUND BRASS CAP ED1940 N 382444.0 - E 683887.8 B: FOUND BRASS CAP 1940 N 385110.1 - E 683873.9 C: FOUND IRON ROD N 387792.5 - E 683861.4 D: FOUND BRASS CAP 1940 N 390440.8 - E 683851.2 E: FOUND BRASS CAP 1916 N 393107.1 - E 683842.1 F: FOUND BRASS CAP 1916 N 393130.8 - E 686502.4 G: FOUND BRASS CAP 1916 N 393151.6 - E 689184.4 H: FOUND BRASS CAP 1939 N 387815.7 - E 689193.7 I: FOUND BRASS CAP 1939 N 385148.4 - E 689208.9 J: FOUND BRASS CAP 1939 N 382481.8 - E 689224.3	"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 undivided 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. <i>Bradley Bishop</i> 12-1-14 Signature Date BRADLEY BISHOP Printed Name Email Address
	GEODETIC DATA NAD 27 GRID - NM EAST SURFACE LOCATION N 387348.8 - E 688736.5 LAT: 32.06347275° N LONG: 103.72408054° W	"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. 1-21-14 Date of Survey Signature and Seal of Professional Surveyor 19680 Certificate Number
	PROSPECTIVITY CONSULTANTS, LLC - Firm No.: TX 10193838 NM 4655451 - Job No.: LS140011	
	19680	



COMPANY: Mewbourne Oil Company
WELL: Big Sinks 1 A2 PA Fed Com #1H
COUNTY: Eddy County, New Mexico
DATUM: NAD 1927 (NADCON CONUS)
R/G: Patterson #36



GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 6.91°

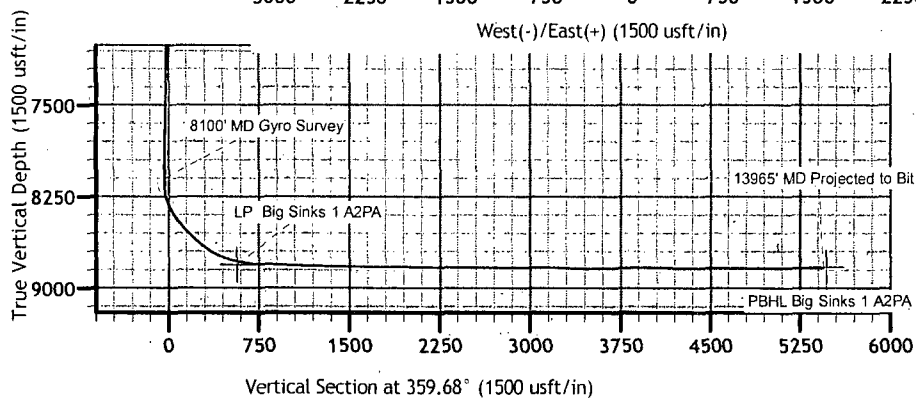
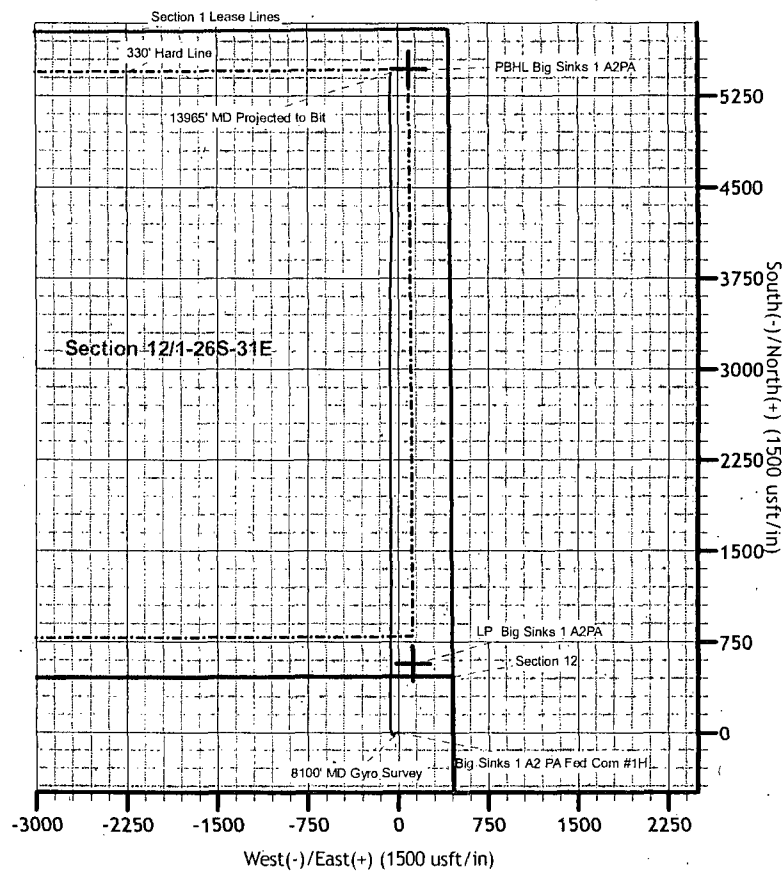
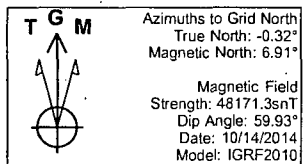
OFFICE: 936.582.7296

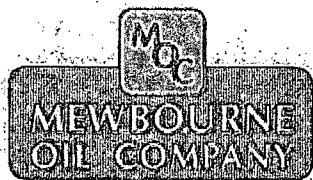
GEODETTIC ZONE: New Mexico East 3001
3261 + 20 @ 3281.0usft (Patterson #36)
GROUND ELEVATION: 3261.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	387348.80	688736.50	32° 3' 48.502 N	103° 43' 26.690 W	

PLAN SECTIONS

No plan data is available





Mewbourne Oil Company .

Eddy County, New Mexico

Section 12/1-26S-31E Big Sinks 1 A2 PA Fed Com #1H

Big Sinks 1 A2 PA Fed Com #1H

Original Hole

Survey: New SHL Change Final

Survey Report - Geographic

26 November, 2014





Stryker Directional Survey Report - Geographic



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well: Big Sinks 1 A2 PA Fed Com #1H
Project:	Eddy County, New Mexico	TVD Reference:	3261 +20 @ 3281.0usft (Patterson #36)
Site:	Section 12/1-26S-31E Big Sinks 1 A2 PA Fed Com #1H	MD Reference:	3261 +20 @ 3281.0usft (Patterson #36)
Well:	Big Sinks 1 A2 PA Fed Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Project:	Eddy County, New Mexico		
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: Section 12/1-26S-31E Big Sinks 1 A2 PA Fed Com #1H					
Site Position:		Northing:	387,348.80 usft	Latitude:	32° 3' 48.502 N
From:	Map	Easting:	688,736.50 usft	Longitude:	103° 43' 26.690 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.32 °

Well: Big Sinks 1 A2 PA Fed Com #1H						
Well Position	+N-S	0.0 usft	Northing:	387,348.80 usft	Latitude:	32° 3' 48.502 N
	+E-W	0.0 usft	Easting:	688,736.50 usft	Longitude:	103° 43' 26.690 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	3,261.0 usft	

Wellbore:	Original Hole
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	10/14/2014	7.24	59.93	48,171

Design:	Original Hole
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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	359.68

Survey Program	Date	From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
	11/11/2014	100.0	8,100.0	MS Gyro Survey #1 (Original Hole)	NSG-CT_WL	Continuous north-seeking gyro on wireline
		8,133.0	13,965.0	MWD Survey #2 (Original Hole)	MWD	MWD v3: standard declination

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	387,348.80	688,736.50	32° 3' 48.502 N	103° 43' 26.690 W
100.0	0.19	193.82	100.0	-0.2	0.0	387,348.64	688,736.46	32° 3' 48.500 N	103° 43' 26.690 W
200.0	0.17	209.22	200.0	-0.5	-0.2	387,348.35	688,736.34	32° 3' 48.497 N	103° 43' 26.691 W
300.0	0.36	252.21	300.0	-0.7	-0.5	387,348.12	688,735.97	32° 3' 48.495 N	103° 43' 26.696 W
400.0	0.29	221.31	400.0	-1.0	-1.0	387,347.84	688,735.51	32° 3' 48.492 N	103° 43' 26.701 W
500.0	0.27	220.48	500.0	-1.3	-1.3	387,347.47	688,735.19	32° 3' 48.489 N	103° 43' 26.705 W
600.0	0.65	193.18	600.0	-2.1	-1.6	387,346.73	688,734.90	32° 3' 48.481 N	103° 43' 26.708 W
700.0	1.08	157.44	700.0	-3.5	-1.4	387,345.31	688,735.14	32° 3' 48.467 N	103° 43' 26.706 W
800.0	1.58	122.56	800.0	-5.1	0.2	387,343.70	688,736.66	32° 3' 48.451 N	103° 43' 26.688 W
900.0	1.55	124.25	899.9	-6.6	2.4	387,342.20	688,738.94	32° 3' 48.436 N	103° 43' 26.662 W



Stryker Directional Survey Report - Geographic



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Big Sinks 1 A2 PA Fed Com #1H
Project:	Eddy County New Mexico	TVD Reference:	3261 + 20 @ 3281.0usft (Patterson #36)
Site:	Section 12/1-26S-31E Big Sinks 1 A2 PA Fed Com #1H	MD Reference:	3261 + 20 @ 3281.0usft (Patterson #36)
Well:	Big Sinks 1 A2 PA Fed Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker-EDM

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
1,000.0	1.75	125.05	999.9	-8.2	4.8	387,340.56	688,741.31	32° 3' 48.420 N	103° 43' 26.634 W	
1,100.0	0.75	99.33	1,099.9	-9.2	6.7	387,339.58	688,743.20	32° 3' 48.410 N	103° 43' 26.612 W	
1,200.0	0.19	338.53	1,199.8	-9.2	7.3	387,339.62	688,743.79	32° 3' 48.411 N	103° 43' 26.605 W	
1,300.0	0.12	239.09	1,299.8	-9.1	7.1	387,339.72	688,743.64	32° 3' 48.412 N	103° 43' 26.607 W	
1,400.0	0.32	165.92	1,399.8	-9.4	7.1	387,339.40	688,743.62	32° 3' 48.408 N	103° 43' 26.607 W	
1,500.0	0.44	171.55	1,499.8	-10.0	7.2	387,338.75	688,743.74	32° 3' 48.402 N	103° 43' 26.606 W	
1,600.0	0.05	90.09	1,599.8	-10.4	7.3	387,338.37	688,743.84	32° 3' 48.398 N	103° 43' 26.605 W	
1,700.0	0.19	157.33	1,699.8	-10.6	7.5	387,338.22	688,743.95	32° 3' 48.397 N	103° 43' 26.604 W	
1,800.0	0.19	17.53	1,799.8	-10.6	7.6	387,338.22	688,744.06	32° 3' 48.397 N	103° 43' 26.602 W	
1,900.0	0.36	307.35	1,899.8	-10.2	7.4	387,338.57	688,743.86	32° 3' 48.400 N	103° 43' 26.605 W	
2,000.0	0.44	245.15	1,999.8	-10.2	6.8	387,338.60	688,743.26	32° 3' 48.401 N	103° 43' 26.612 W	
2,100.0	0.15	204.21	2,099.8	-10.5	6.4	387,338.32	688,742.86	32° 3' 48.398 N	103° 43' 26.616 W	
2,200.0	0.12	342.46	2,199.8	-10.5	6.3	387,338.30	688,742.78	32° 3' 48.398 N	103° 43' 26.617 W	
2,300.0	0.15	345.94	2,299.8	-10.3	6.2	387,338.53	688,742.71	32° 3' 48.400 N	103° 43' 26.618 W	
2,400.0	0.28	190.52	2,399.8	-10.4	6.1	387,338.41	688,742.64	32° 3' 48.399 N	103° 43' 26.619 W	
2,500.0	0.33	173.75	2,499.8	-10.9	6.1	387,337.89	688,742.62	32° 3' 48.393 N	103° 43' 26.619 W	
2,600.0	0.29	134.90	2,599.8	-11.4	6.3	387,337.42	688,742.83	32° 3' 48.389 N	103° 43' 26.617 W	
2,700.0	0.32	348.90	2,699.8	-11.3	6.5	387,337.52	688,742.96	32° 3' 48.390 N	103° 43' 26.615 W	
2,800.0	0.19	329.01	2,799.8	-10.9	6.3	387,337.93	688,742.82	32° 3' 48.394 N	103° 43' 26.617 W	
2,900.0	0.19	223.74	2,899.8	-10.8	6.1	387,337.95	688,742.62	32° 3' 48.394 N	103° 43' 26.619 W	
3,000.0	0.25	112.52	2,999.8	-11.0	6.2	387,337.75	688,742.71	32° 3' 48.392 N	103° 43' 26.618 W	
3,100.0	0.54	37.10	3,099.8	-10.8	6.7	387,338.04	688,743.19	32° 3' 48.395 N	103° 43' 26.612 W	
3,200.0	0.37	351.88	3,199.8	-10.1	6.9	387,338.74	688,743.43	32° 3' 48.402 N	103° 43' 26.610 W	
3,300.0	0.47	280.30	3,299.8	-9.7	6.5	387,339.13	688,742.98	32° 3' 48.406 N	103° 43' 26.615 W	
3,400.0	0.97	151.36	3,399.8	-10.3	6.5	387,338.46	688,742.98	32° 3' 48.399 N	103° 43' 26.615 W	
3,500.0	1.16	91.02	3,499.8	-11.1	7.9	387,337.70	688,744.40	32° 3' 48.392 N	103° 43' 26.598 W	
3,600.0	0.69	48.40	3,599.8	-10.7	9.4	387,338.08	688,745.86	32° 3' 48.395 N	103° 43' 26.581 W	
3,700.0	0.51	66.16	3,699.8	-10.1	10.2	387,338.66	688,746.72	32° 3' 48.401 N	103° 43' 26.571 W	
3,800.0	0.30	77.48	3,799.8	-9.9	10.9	387,338.90	688,747.38	32° 3' 48.403 N	103° 43' 26.564 W	
3,900.0	0.36	68.94	3,899.8	-9.7	11.4	387,339.07	688,747.93	32° 3' 48.405 N	103° 43' 26.557 W	
4,000.0	0.63	97.63	3,999.8	-9.7	12.3	387,339.11	688,748.77	32° 3' 48.405 N	103° 43' 26.548 W	
4,100.0	0.87	48.25	4,099.8	-9.3	13.4	387,339.54	688,749.88	32° 3' 48.409 N	103° 43' 26.535 W	
4,200.0	0.58	7.71	4,199.8	-8.2	14.0	387,340.55	688,750.52	32° 3' 48.419 N	103° 43' 26.527 W	
4,300.0	0.96	293.50	4,299.8	-7.4	13.3	387,341.38	688,749.82	32° 3' 48.428 N	103° 43' 26.535 W	
4,400.0	0.92	284.54	4,399.7	-6.9	11.8	387,341.92	688,748.27	32° 3' 48.433 N	103° 43' 26.553 W	
4,500.0	0.96	293.77	4,499.7	-6.3	10.2	387,342.46	688,746.73	32° 3' 48.439 N	103° 43' 26.571 W	
4,600.0	0.91	279.58	4,599.7	-5.9	8.7	387,342.93	688,745.18	32° 3' 48.443 N	103° 43' 26.589 W	
4,700.0	0.78	274.14	4,699.7	-5.7	7.2	387,343.11	688,743.72	32° 3' 48.445 N	103° 43' 26.606 W	
4,800.0	0.86	280.73	4,799.7	-5.5	5.8	387,343.30	688,742.30	32° 3' 48.447 N	103° 43' 26.623 W	
4,900.0	0.99	267.99	4,899.7	-5.4	4.2	387,343.41	688,740.70	32° 3' 48.448 N	103° 43' 26.641 W	
5,000.0	0.94	289.63	4,999.7	-5.1	2.6	387,343.65	688,739.06	32° 3' 48.451 N	103° 43' 26.660 W	
5,100.0	0.76	290.82	5,099.7	-4.6	1.2	387,344.17	688,737.67	32° 3' 48.456 N	103° 43' 26.676 W	
5,200.0	0.66	281.72	5,199.7	-4.3	0.0	387,344.52	688,736.49	32° 3' 48.459 N	103° 43' 26.690 W	
5,300.0	0.86	278.91	5,299.6	-4.0	-1.3	387,344.75	688,735.18	32° 3' 48.462 N	103° 43' 26.705 W	
5,400.0	0.73	290.86	5,399.6	-3.7	-2.7	387,345.09	688,733.85	32° 3' 48.465 N	103° 43' 26.721 W	
5,500.0	0.79	276.13	5,499.6	-3.4	-3.9	387,345.39	688,732.56	32° 3' 48.468 N	103° 43' 26.736 W	
5,600.0	0.90	285.93	5,599.6	-3.1	-5.4	387,345.68	688,731.12	32° 3' 48.471 N	103° 43' 26.752 W	
5,700.0	0.83	281.29	5,699.6	-2.8	-6.8	387,346.04	688,729.66	32° 3' 48.475 N	103° 43' 26.769 W	
5,800.0	0.96	257.55	5,799.6	-2.8	-8.4	387,346.00	688,728.13	32° 3' 48.475 N	103° 43' 26.787 W	
5,900.0	1.05	261.06	5,899.6	-3.1	-10.1	387,345.68	688,726.41	32° 3' 48.472 N	103° 43' 26.807 W	
6,000.0	0.91	262.33	5,999.6	-3.4	-11.8	387,345.43	688,724.71	32° 3' 48.469 N	103° 43' 26.827 W	
6,100.0	1.02	249.24	6,099.5	-3.8	-13.4	387,345.01	688,723.10	32° 3' 48.465 N	103° 43' 26.846 W	
6,200.0	0.91	241.10	6,199.5	-4.5	-14.9	387,344.31	688,721.57	32° 3' 48.458 N	103° 43' 26.863 W	
6,300.0	0.88	234.45	6,299.5	-5.3	-16.2	387,343.48	688,720.25	32° 3' 48.450 N	103° 43' 26.879 W	



Stryker Directional Survey Report - Geographic



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Big Sinks 1 A2/PA Fed Com #1H
Project:	Eddy County, New Mexico	TVD Reference:	3261 + 20 @ 3281.0usft (Patterson #36)
Site:	Section 12/1-26S-31E Big Sinks 1 A2 PA Fed Com #1H	MDI Reference:	3261 + 20 @ 3281.0usft (Patterson #36)
Well:	Big Sinks 1 A2 PA Fed Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker EDM

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
6,400.0	0.90	217.74	6,399.5	-6.4	-17.4	387,342.41	688,719.14	32° 3' 48.440 N	103° 43' 26.892 W	
6,500.0	0.99	225.78	6,499.5	-7.6	-18.5	387,341.19	688,718.04	32° 3' 48.428 N	103° 43' 26.905 W	
6,600.0	0.84	223.85	6,599.5	-8.7	-19.6	387,340.06	688,716.92	32° 3' 48.416 N	103° 43' 26.918 W	
6,700.0	0.78	211.08	6,699.5	-9.9	-20.4	387,338.95	688,716.06	32° 3' 48.405 N	103° 43' 26.928 W	
6,800.0	0.68	216.57	6,799.5	-10.9	-21.1	387,337.89	688,715.35	32° 3' 48.395 N	103° 43' 26.936 W	
6,900.0	0.90	202.22	6,899.5	-12.1	-21.8	387,336.68	688,714.70	32° 3' 48.383 N	103° 43' 26.944 W	
7,000.0	0.88	214.80	6,999.4	-13.5	-22.5	387,335.33	688,713.97	32° 3' 48.370 N	103° 43' 26.952 W	
7,100.0	1.07	225.98	7,099.4	-14.8	-23.6	387,334.05	688,712.86	32° 3' 48.357 N	103° 43' 26.965 W	
7,200.0	1.04	216.48	7,199.4	-16.1	-24.9	387,332.67	688,711.65	32° 3' 48.344 N	103° 43' 26.979 W	
7,300.0	1.12	216.84	7,299.4	-17.6	-26.0	387,331.16	688,710.52	32° 3' 48.329 N	103° 43' 26.993 W	
7,400.0	1.38	220.47	7,399.4	-19.3	-27.3	387,329.46	688,709.15	32° 3' 48.312 N	103° 43' 27.009 W	
7,500.0	1.30	220.08	7,499.3	-21.1	-28.9	387,327.67	688,707.64	32° 3' 48.294 N	103° 43' 27.026 W	
7,600.0	1.24	218.35	7,599.3	-22.8	-30.3	387,325.96	688,706.24	32° 3' 48.277 N	103° 43' 27.043 W	
7,700.0	1.18	212.59	7,699.3	-24.6	-31.5	387,324.24	688,705.01	32° 3' 48.261 N	103° 43' 27.057 W	
7,800.0	1.50	212.42	7,799.3	-26.5	-32.7	387,322.27	688,703.76	32° 3' 48.241 N	103° 43' 27.072 W	
7,900.0	1.50	209.46	7,899.2	-28.8	-34.1	387,320.02	688,702.41	32° 3' 48.219 N	103° 43' 27.088 W	
8,000.0	1.39	213.41	7,999.2	-30.9	-35.4	387,317.87	688,701.10	32° 3' 48.198 N	103° 43' 27.103 W	
8,100.0	1.69	208.54	8,099.2	-33.2	-36.8	387,315.56	688,699.73	32° 3' 48.175 N	103° 43' 27.119 W	
8,133.0	1.40	233.10	8,132.2	-33.9	-37.3	387,314.89	688,699.17	32° 3' 48.168 N	103° 43' 27.126 W	
8,164.0	3.00	320.40	8,163.1	-33.5	-38.1	387,315.29	688,698.35	32° 3' 48.172 N	103° 43' 27.135 W	
8,195.0	7.00	333.00	8,194.0	-31.2	-39.5	387,317.60	688,696.98	32° 3' 48.195 N	103° 43' 27.151 W	
8,227.0	11.10	332.80	8,225.6	-26.7	-41.8	387,322.08	688,694.68	32° 3' 48.240 N	103° 43' 27.177 W	
8,258.0	15.70	333.80	8,255.8	-20.3	-45.0	387,328.50	688,691.46	32° 3' 48.303 N	103° 43' 27.214 W	
8,290.0	20.40	336.70	8,286.2	-11.3	-49.2	387,337.51	688,687.34	32° 3' 48.393 N	103° 43' 27.261 W	
8,322.0	24.70	341.50	8,315.7	0.2	-53.5	387,348.98	688,683.01	32° 3' 48.507 N	103° 43' 27.311 W	
8,356.0	27.80	348.50	8,346.2	14.7	-57.3	387,363.50	688,679.18	32° 3' 48.650 N	103° 43' 27.355 W	
8,391.0	31.00	353.00	8,376.7	31.6	-60.0	387,380.45	688,676.45	32° 3' 48.818 N	103° 43' 27.385 W	
8,423.0	33.50	355.20	8,403.8	48.6	-61.8	387,397.43	688,674.71	32° 3' 48.987 N	103° 43' 27.404 W	
8,454.0	35.30	357.00	8,429.4	66.1	-63.0	387,414.90	688,673.52	32° 3' 49.159 N	103° 43' 27.417 W	
8,486.0	37.80	0.50	8,455.1	85.1	-63.4	387,433.94	688,673.12	32° 3' 49.348 N	103° 43' 27.420 W	
8,518.0	39.30	2.10	8,480.1	105.1	-62.9	387,453.88	688,673.58	32° 3' 49.545 N	103° 43' 27.414 W	
8,550.0	40.20	1.60	8,504.7	125.5	-62.3	387,474.33	688,674.24	32° 3' 49.748 N	103° 43' 27.405 W	
8,581.0	41.60	0.60	8,528.1	145.8	-61.9	387,494.62	688,674.63	32° 3' 49.948 N	103° 43' 27.399 W	
8,613.0	44.00	0.00	8,551.6	167.6	-61.8	387,516.36	688,674.74	32° 3' 50.164 N	103° 43' 27.396 W	
8,645.0	46.50	359.40	8,574.1	190.3	-61.9	387,539.09	688,674.62	32° 3' 50.388 N	103° 43' 27.396 W	
8,677.0	48.00	358.40	8,595.8	213.8	-62.3	387,562.58	688,674.16	32° 3' 50.621 N	103° 43' 27.400 W	
8,708.0	49.00	357.70	8,616.4	237.0	-63.1	387,585.78	688,673.37	32° 3' 50.851 N	103° 43' 27.408 W	
8,740.0	51.20	358.00	8,636.9	261.5	-64.0	387,610.31	688,672.45	32° 3' 51.093 N	103° 43' 27.417 W	
8,772.0	53.40	359.80	8,656.5	286.8	-64.5	387,635.62	688,671.97	32° 3' 51.344 N	103° 43' 27.421 W	
8,803.0	55.30	0.90	8,674.6	312.0	-64.4	387,660.81	688,672.13	32° 3' 51.593 N	103° 43' 27.417 W	
8,835.0	56.70	2.60	8,692.4	338.5	-63.6	387,687.33	688,672.94	32° 3' 51.855 N	103° 43' 27.406 W	
8,867.0	58.90	4.20	8,709.5	365.6	-61.9	387,714.35	688,674.55	32° 3' 52.123 N	103° 43' 27.385 W	
8,899.0	62.60	3.00	8,725.1	393.4	-60.2	387,742.21	688,676.30	32° 3' 52.398 N	103° 43' 27.363 W	
8,931.0	65.30	0.40	8,739.2	422.1	-59.3	387,770.94	688,677.15	32° 3' 52.683 N	103° 43' 27.352 W	
8,963.0	67.90	359.10	8,751.9	451.5	-59.5	387,800.31	688,677.02	32° 3' 52.973 N	103° 43' 27.351 W	
8,994.0	70.70	359.20	8,762.8	480.5	-59.9	387,829.30	688,676.59	32° 3' 53.260 N	103° 43' 27.354 W	
9,026.0	74.20	359.50	8,772.5	511.0	-60.3	387,859.81	688,676.24	32° 3' 53.562 N	103° 43' 27.356 W	
9,058.0	77.00	359.00	8,780.5	542.0	-60.7	387,890.79	688,675.83	32° 3' 53.869 N	103° 43' 27.359 W	
9,089.0	79.10	0.30	8,786.9	572.3	-60.8	387,921.12	688,675.65	32° 3' 54.169 N	103° 43' 27.359 W	
9,093.6	79.39	0.42	8,787.7	576.8	-60.8	387,925.62	688,675.68	32° 3' 54.213 N	103° 43' 27.359 W	
LP Big Sinks 1 A2PA										
9,121.0	81.10	1.10	8,792.4	603.8	-60.5	387,952.64	688,676.04	32° 3' 54.481 N	103° 43' 27.353 W	
9,153.0	82.60	1.20	8,796.9	635.5	-59.8	387,984.31	688,676.67	32° 3' 54.794 N	103° 43' 27.343 W	
9,182.0	83.10	1.20	8,800.5	664.3	-59.2	388,013.08	688,677.27	32° 3' 55.079 N	103° 43' 27.334 W	



Stryker Directional Survey Report - Geographic



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Project:	Eddy County, New Mexico	TVD Reference:	3261 + 20 @ 3281.0usft (Patterson #36)
Site:	Section 12/1-26S-31E Big Sinks 1 A2 PA Fed Com #1H	MD Reference:	3261 + 20 @ 3281.0usft (Patterson #36)
Well:	Big Sinks 1 A2 PA Fed Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker EDM

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
9,213.0	84.80	1.20	8,803.8	695.1	-58.6	388,043.90	688,677.92	32° 3' 55.384 N	103° 43' 27.325 W	
9,245.0	85.70	0.80	8,806.4	727.0	-58.0	388,075.78	688,678.48	32° 3' 55.699 N	103° 43' 27.316 W	
9,309.0	88.50	0.20	8,809.7	790.9	-57.5	388,139.69	688,679.03	32° 3' 56.332 N	103° 43' 27.305 W	
9,373.0	90.50	0.20	8,810.2	854.9	-57.2	388,203.68	688,679.26	32° 3' 56.965 N	103° 43' 27.299 W	
9,436.0	87.60	0.80	8,811.3	917.9	-56.7	388,266.67	688,679.81	32° 3' 57.588 N	103° 43' 27.288 W	
9,499.0	87.30	0.70	8,814.1	980.8	-55.9	388,329.60	688,680.63	32° 3' 58.211 N	103° 43' 27.274 W	
9,563.0	87.30	0.70	8,817.1	1,044.7	-55.1	388,393.52	688,681.41	32° 3' 58.844 N	103° 43' 27.261 W	
9,626.0	88.70	359.90	8,819.3	1,107.7	-54.8	388,456.48	688,681.74	32° 3' 59.467 N	103° 43' 27.253 W	
9,690.0	90.10	0.10	8,820.0	1,171.7	-54.8	388,520.48	688,681.74	32° 4' 0.100 N	103° 43' 27.249 W	
9,753.0	89.90	359.20	8,820.0	1,234.7	-55.1	388,583.47	688,681.36	32° 4' 0.723 N	103° 43' 27.249 W	
9,848.0	88.60	359.70	8,821.2	1,329.7	-56.1	388,678.46	688,680.44	32° 4' 1.663 N	103° 43' 27.254 W	
9,943.0	89.30	0.10	8,822.9	1,424.6	-56.2	388,773.44	688,680.28	32° 4' 2.603 N	103° 43' 27.249 W	
10,038.0	88.40	0.00	8,824.9	1,519.6	-56.1	388,868.42	688,680.36	32° 4' 3.543 N	103° 43' 27.242 W	
10,134.0	88.50	359.80	8,827.5	1,615.6	-56.3	388,964.39	688,680.19	32° 4' 4.493 N	103° 43' 27.238 W	
10,229.0	89.90	359.90	8,828.8	1,710.6	-56.6	389,059.37	688,679.94	32° 4' 5.433 N	103° 43' 27.235 W	
10,325.0	90.10	359.90	8,828.8	1,806.6	-56.7	389,155.37	688,679.78	32° 4' 6.383 N	103° 43' 27.230 W	
10,420.0	90.90	358.80	8,827.9	1,901.6	-57.8	389,250.36	688,678.70	32° 4' 7.323 N	103° 43' 27.237 W	
10,515.0	89.80	359.40	8,827.4	1,996.5	-59.3	389,345.35	688,677.21	32° 4' 8.263 N	103° 43' 27.248 W	
10,611.0	88.80	0.10	8,828.5	2,092.5	-59.7	389,441.34	688,676.79	32° 4' 9.213 N	103° 43' 27.246 W	
10,706.0	88.80	359.50	8,830.5	2,187.5	-60.0	389,536.32	688,676.46	32° 4' 10.153 N	103° 43' 27.244 W	
10,801.0	89.70	359.20	8,831.8	2,282.5	-61.1	389,631.30	688,675.38	32° 4' 11.093 N	103° 43' 27.250 W	
10,896.0	90.60	359.30	8,831.5	2,377.5	-62.4	389,726.29	688,674.14	32° 4' 12.033 N	103° 43' 27.258 W	
10,991.0	88.20	359.50	8,832.5	2,472.5	-63.4	389,821.27	688,673.14	32° 4' 12.973 N	103° 43' 27.264 W	
11,087.0	89.60	359.90	8,834.4	2,568.5	-63.9	389,917.25	688,672.64	32° 4' 13.923 N	103° 43' 27.263 W	
11,182.0	90.40	0.00	8,834.4	2,663.5	-63.9	390,012.25	688,672.56	32° 4' 14.863 N	103° 43' 27.258 W	
11,277.0	89.00	0.90	8,834.9	2,758.4	-63.2	390,107.24	688,673.30	32° 4' 15.803 N	103° 43' 27.243 W	
11,372.0	90.10	1.20	8,835.6	2,853.4	-61.5	390,202.22	688,675.04	32° 4' 16.743 N	103° 43' 27.217 W	
11,467.0	90.50	0.30	8,835.1	2,948.4	-60.2	390,297.21	688,676.29	32° 4' 17.683 N	103° 43' 27.196 W	
11,562.0	90.90	359.90	8,833.9	3,043.4	-60.0	390,392.20	688,676.45	32° 4' 18.623 N	103° 43' 27.188 W	
11,657.0	90.50	359.80	8,832.8	3,138.4	-60.3	390,487.20	688,676.20	32° 4' 19.563 N	103° 43' 27.184 W	
11,752.0	86.80	358.80	8,835.0	3,233.3	-61.5	390,582.15	688,675.04	32° 4' 20.503 N	103° 43' 27.192 W	
11,848.0	89.10	0.20	8,838.5	3,329.3	-62.3	390,678.07	688,674.21	32° 4' 21.452 N	103° 43' 27.195 W	
11,943.0	88.50	359.00	8,840.4	3,424.2	-63.0	390,773.05	688,673.54	32° 4' 22.392 N	103° 43' 27.197 W	
12,038.0	90.10	1.10	8,841.6	3,519.2	-62.9	390,868.03	688,673.63	32° 4' 23.332 N	103° 43' 27.189 W	
12,133.0	92.30	2.00	8,839.6	3,614.2	-60.3	390,962.97	688,676.20	32° 4' 24.271 N	103° 43' 27.153 W	
12,228.0	91.80	2.50	8,836.2	3,709.0	-56.6	391,057.83	688,679.92	32° 4' 25.210 N	103° 43' 27.104 W	
12,324.0	90.70	1.40	8,834.1	3,805.0	-53.3	391,153.75	688,683.19	32° 4' 26.159 N	103° 43' 27.059 W	
12,419.0	89.10	1.50	8,834.3	3,899.9	-50.9	391,248.72	688,685.59	32° 4' 27.099 N	103° 43' 27.025 W	
12,513.0	90.30	1.30	8,834.8	3,993.9	-48.6	391,342.69	688,687.89	32° 4' 28.028 N	103° 43' 26.992 W	
12,608.0	90.20	1.80	8,834.4	4,088.9	-46.0	391,437.65	688,690.46	32° 4' 28.968 N	103° 43' 26.956 W	
12,704.0	86.90	359.50	8,836.8	4,184.8	-44.9	391,533.60	688,691.55	32° 4' 29.917 N	103° 43' 26.937 W	
12,799.0	88.10	359.10	8,840.9	4,279.7	-46.1	391,628.50	688,690.39	32° 4' 30.857 N	103° 43' 26.945 W	
12,894.0	90.80	359.70	8,841.9	4,374.7	-47.1	391,723.48	688,689.39	32° 4' 31.797 N	103° 43' 26.950 W	
12,989.0	91.60	358.60	8,839.9	4,469.6	-48.5	391,818.44	688,687.99	32° 4' 32.736 N	103° 43' 26.960 W	
13,084.0	91.00	357.80	8,837.7	4,564.6	-51.5	391,913.37	688,685.00	32° 4' 33.676 N	103° 43' 26.989 W	
13,179.0	89.70	359.50	8,837.1	4,659.5	-53.7	392,008.34	688,682.76	32° 4' 34.616 N	103° 43' 27.008 W	
13,275.0	89.50	359.80	8,837.8	4,755.5	-54.3	392,104.33	688,682.18	32° 4' 35.566 N	103° 43' 27.009 W	
13,370.0	88.10	359.80	8,839.8	4,850.5	-54.6	392,199.31	688,681.85	32° 4' 36.506 N	103° 43' 27.006 W	
13,465.0	89.50	359.80	8,841.8	4,945.5	-55.0	392,294.29	688,681.52	32° 4' 37.446 N	103° 43' 27.004 W	
13,560.0	91.10	359.40	8,841.3	5,040.5	-55.6	392,389.28	688,680.85	32° 4' 38.386 N	103° 43' 27.006 W	
13,655.0	91.80	358.60	8,838.9	5,135.4	-57.3	392,484.23	688,679.19	32° 4' 39.326 N	103° 43' 27.019 W	
13,750.0	90.60	0.10	8,836.9	5,230.4	-58.4	392,579.20	688,678.12	32° 4' 40.265 N	103° 43' 27.025 W	
13,845.0	90.00	2.30	8,836.4	5,325.4	-56.4	392,674.17	688,680.11	32° 4' 41.205 N	103° 43' 26.996 W	
13,920.0	88.70	2.30	8,837.2	5,400.3	-53.4	392,749.11	688,683.12	32° 4' 41.947 N	103° 43' 26.956 W	



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Site:	Section 12/1-26S-31E Big Sinks 1 A2 PA Fed Com #1H	MD Reference:	3261 + 20 @ 3281.0usft (Patterson #36)
Well:	Big Sinks 1 A2 PA Fed Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey/Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker EDM

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
13,965.0	88.00	2.30	8,838.5	5,445.3	-51.6	392,794.05	688,684.92	32° 4' 42.391 N	103° 43' 26.932 W
PBHL Big Sinks 1 A2 PA									