

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED
OMB No. 1004-0135
Expires: January 31, 2004

SUNDRY NOTICES AND REPORTS ON WELLS SEP 27 2010
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

INMOCD ARTESIA

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Mewbourne Oil Company 14744

3a. Address

PO Box 5270 Hobbs, NM 88241

3b. Phone No. (include area code)

575-393-5905

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

SL 600' FNL & 330' FWL, Sec 20-T18S-R30E Unit Letter D
BHL 585' FNL & 530' FEL, Sec 20 -T18S - R30E Unit Letter A (At TD)

5. Lease Serial No.

LC-046256-B (SL) NM-27279 (BHL)

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Aries 20 Fed Com #1H

9. API Well No.

30-015-37819

10. Field and Pool, or Exploratory Area

Sand Tank Bone Spring

11. County or Parish, State

Eddy County, NM

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

TYPE OF SUBMISSION

TYPE OF ACTION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☒ Other Completion Sundry

3. 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 recompleat 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 recompleat 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.)

09/09/10 Frac Bone Springs 17 stages w/17,000 gals 15% HCl, 1,016,000 gals of Viking 2000 carrying 995,000# 20/40 sand tailed w/242,500# sand. Flowback for cleanup.

09/14/10 RIH w/2 7/8" J55 & L80 6.5# tbg to 7673'.

09/15/10 Put well on production.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Jackie Lathan

Title Hobbs Regulatory

Signature

Date 09/20/10

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by (Signature)

Name

(Printed/Typed)

Title

Office

Date

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.

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.

(Continued on next page)

OPERATOR
WELL/LEASE
COUNTY

MEWBOURNE OIL COMPANY
ARIES 20 FEDERAL COM. 1H
EDDY

STATE OF NEW MEXICO
DEVIATION REPORT

30-015-37819

290	0.97
592	0.96
909	0.00
1,196	0.98
1,417	0.85
1,830	0.34
2,242	0.52
2,655	0.83
3,067	0.88
3,479	0.18
3,892	0.96
4,307	0.49
4,720	0.82
5,133	1.20
5,386	0.43
5,641	2.04
5,895	1.97
6,150	3.03
6,310	1.15
6,500	1.72
6,723	0.30
7,171	0.60

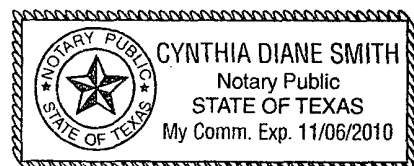
STATE OF TEXAS

COUNTY OF MIDLAND

BY: Cassandra Ramos

The foregoing instrument was acknowledged before me on 8/30/10, by Cassandra
Ramos on behalf of Patterson-UTI Drilling Company LLC.

Cynthia Diane Smith
Notary Public for Midland County, Texas
My Commission Expires:





Mewbourne Oil Company

Mewbourne Oil Company

Location: Eddy County, NM
Field: (Aries) Sec 20, T18S, R30E
Facility: Aries 20 Fed Com No. 1H

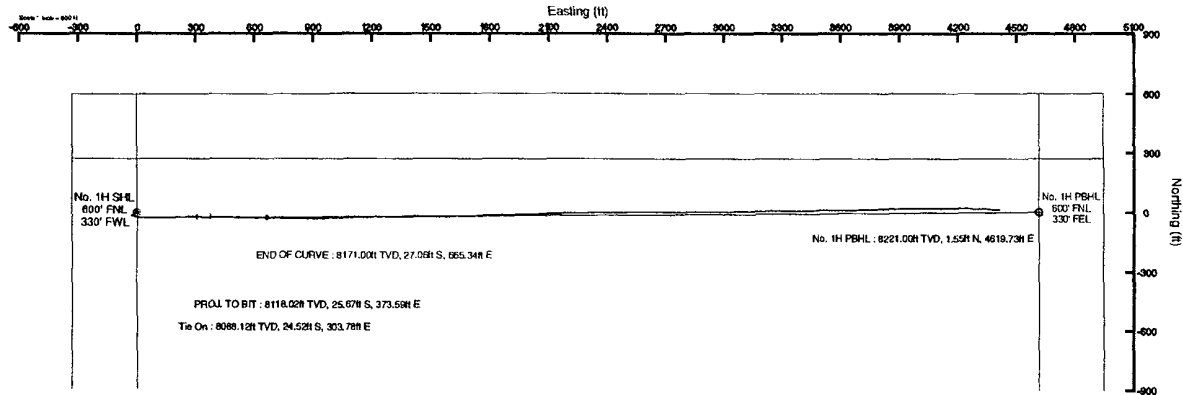
Slot: No. 1H SHL
Well: No. 1H
Wellbore: No. 1H.PWB



30-015-37819

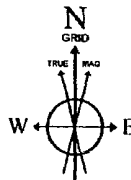
Well Profile Data

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	8220.00	63.500	90.900	8088.12	-24.52	303.78	0.00	303.77
PROJ. TO BIT	8296.00	70.140	91.000	8118.02	-25.67	373.59	8.74	373.58
END OF CURVE	8593.91	89.276	89.586	8171.00	-27.06	665.34	6.44	665.33
No. 1H PWB	12546.73	89.276	89.586	8221.00	1.55	4619.73	0.00	4619.74

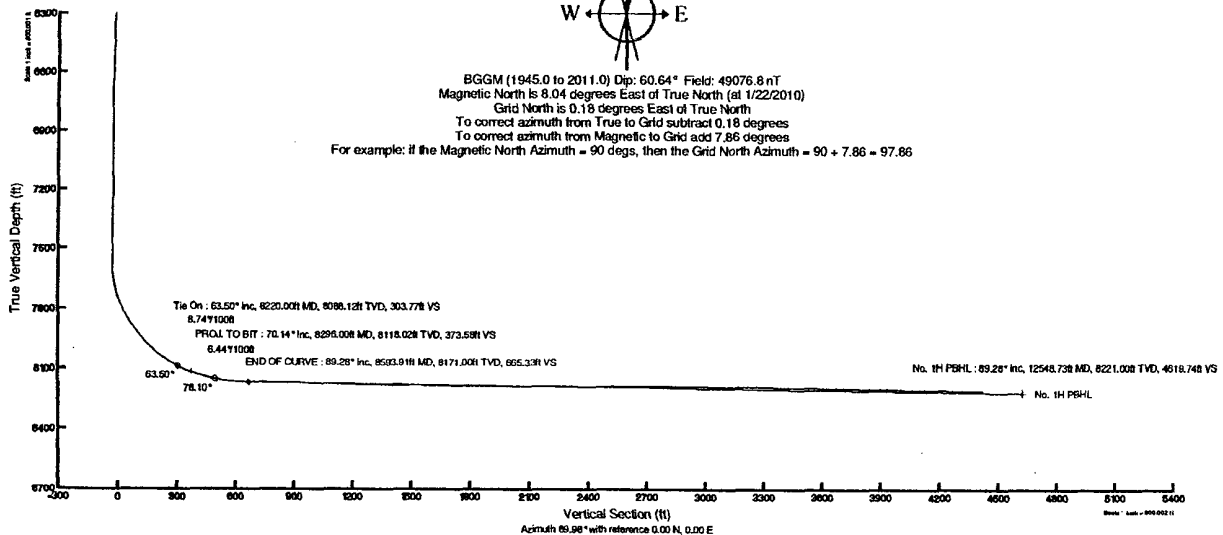


Plot reference wellpath is Plan #4 vs Actual (FINAL)

True vertical depths are referenced to Rig 47 on No. 1H SHL (KB)	Grid System: NAD27 / TM New Mexico State Planes, Eastern Zone (3001), US feet
Measured depths are referenced to Rig 47 on No. 1H SHL (KB)	North Reference: Grid north
Rig 47 on No. 1H SHL (KB) to Mean Sea Level: 3511 feet	Scale: True distance
Mean Sea Level to Mud line (Facility: Aries 20 Fed Com No. 1H): -3493 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: Victor Hernandez on 8/19/2010



BGGM (1945.0 to 2011.0) Dip: 60.64° Field: 49076.8 nT
Magnetic North is 8.04 degrees East of True North (at 1/22/2010)
Grid North is 0.18 degrees East of True North
To correct azimuth from True to Grid subtract 0.18 degrees
To correct azimuth from Magnetic to Grid add 7.86 degrees
For example: if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 7.86 = 97.86



Actual Wellpath Report

No. 1H AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Mewbourne Oil Company	Slot	No. 1H SHL
Area	Eddy County, NM	Well	No. 1H
Field	(Aries) Sec 20, T18S, R30E	Wellbore	No. 1H AWB
Facility	Aries 20 Fed Com No. 1H		

REPORT SETUP INFORMATION			
Projection System	NAD27 / TM New Mexico State Planes, Eastern Zone (3001), US feet	Software System	WellArchitect® 2.0
North Reference	Grid	User	Victor Hernandez
Scale	0.999921	Report Generated	8/19/2010 at 11:17:34 AM
Convergence at slot	0.18° East	Database/Source file	WA_Midland/No. 1H_AWB.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	0.00	0.00	602138.38	632535.63	32°44'18.583"N	104°00'04.176"W
Facility Reference Pt			602138.38	632535.63	32°44'18.583"N	104°00'04.176"W
Field Reference Pt			602138.38	632535.63	32°44'18.583"N	104°00'04.176"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Rig 47 on No. 1H SHL (KB) to GL	18.00ft
Horizontal Reference Pt	Slot	Rig 47 on No. 1H SHL (KB) to Mean Sea Level	3511.00ft
Vertical Reference Pt	Rig 47 on No. 1H SHL (KB)	GL to Mud Line (Facility)	0.00ft
MD Reference Pt	Rig 47 on No. 1H SHL (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	89.98°

Actual Wellpath Report

No. 1H AWP

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REFERENCE WELLPATH IDENTIFICATION			
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Field	(Aries) Sec 20, T18S, R30E	Wellbore	No. 1H AWB
Facility	Aries 20 Fed Com No. 1H		

WELLPATH DATA (227 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]
0.00	0.000	234.280	0.00	0.00	0.00	0.00	602138.38	632535.63	32°44'18.583"N	104°00'04.176"W	0.00
100.00	0.190	234.280	100.00	-0.13	-0.10	-0.13	602138.25	632535.53	32°44'18.582"N	104°00'04.177"W	0.19
200.00	0.560	163.840	200.00	-0.13	-0.66	-0.13	602138.25	632534.97	32°44'18.576"N	104°00'04.177"W	0.53
300.00	0.880	156.330	299.99	0.31	-1.84	0.31	602138.69	632533.79	32°44'18.565"N	104°00'04.172"W	0.33
400.00	1.040	178.340	399.98	0.64	-3.45	0.65	602139.03	632532.18	32°44'18.549"N	104°00'04.168"W	0.40
500.00	0.680	189.600	499.96	0.57	-4.94	0.57	602138.95	632530.69	32°44'18.534"N	104°00'04.169"W	0.40
600.00	0.530	188.940	599.96	0.40	-5.98	0.40	602138.78	632529.65	32°44'18.524"N	104°00'04.171"W	0.15
700.00	0.420	189.540	699.96	0.27	-6.80	0.27	602138.65	632528.83	32°44'18.516"N	104°00'04.173"W	0.11
800.00	0.380	196.050	799.95	0.11	-7.48	0.12	602138.50	632528.15	32°44'18.509"N	104°00'04.175"W	0.06
900.00	0.180	155.030	899.95	0.09	-7.94	0.09	602138.47	632527.69	32°44'18.504"N	104°00'04.175"W	0.27
1000.00	0.260	95.170	999.95	0.38	-8.10	0.38	602138.76	632527.53	32°44'18.503"N	104°00'04.172"W	0.23
1100.00	0.740	74.390	1099.95	1.23	-7.95	1.23	602139.61	632527.68	32°44'18.504"N	104°00'04.162"W	0.51
1200.00	0.960	70.010	1199.94	2.64	-7.49	2.64	602141.02	632528.14	32°44'18.509"N	104°00'04.145"W	0.23
1300.00	0.980	63.840	1299.92	4.19	-6.83	4.20	602142.58	632528.80	32°44'18.515"N	104°00'04.127"W	0.11
1400.00	0.830	56.170	1399.91	5.56	-6.05	5.57	602143.94	632529.58	32°44'18.523"N	104°00'04.111"W	0.19
1500.00	0.710	17.210	1499.90	6.35	-5.05	6.35	602144.73	632530.58	32°44'18.533"N	104°00'04.102"W	0.53
1600.00	0.660	9.510	1599.89	6.63	-3.89	6.63	602145.01	632531.74	32°44'18.544"N	104°00'04.098"W	0.10
1700.00	0.530	356.800	1699.89	6.70	-2.86	6.70	602145.08	632532.77	32°44'18.554"N	104°00'04.098"W	0.18
1800.00	0.390	327.530	1799.89	6.49	-2.11	6.49	602144.87	632533.52	32°44'18.562"N	104°00'04.100"W	0.27
1900.00	0.340	295.000	1899.88	6.04	-1.70	6.04	602144.42	632533.93	32°44'18.566"N	104°00'04.105"W	0.21
2000.00	0.380	281.110	1999.88	5.44	-1.51	5.44	602143.82	632534.12	32°44'18.568"N	104°00'04.112"W	0.10
2100.00	0.390	274.240	2099.88	4.78	-1.42	4.78	602143.16	632534.21	32°44'18.569"N	104°00'04.120"W	0.05
2200.00	0.300	260.200	2199.88	4.18	-1.44	4.18	602142.56	632534.19	32°44'18.568"N	104°00'04.127"W	0.12
2300.00	0.280	246.520	2299.88	3.70	-1.58	3.70	602142.08	632534.05	32°44'18.567"N	104°00'04.133"W	0.07
2400.00	0.200	235.420	2399.88	3.33	-1.78	3.33	602141.71	632533.85	32°44'18.565"N	104°00'04.137"W	0.09
2500.00	0.230	233.960	2499.87	3.02	-2.00	3.03	602141.41	632533.63	32°44'18.563"N	104°00'04.141"W	0.03
2600.00	0.120	266.650	2599.87	2.76	-2.12	2.76	602141.14	632533.51	32°44'18.562"N	104°00'04.144"W	0.14
2700.00	0.170	321.350	2699.87	2.56	-2.01	2.56	602140.94	632533.62	32°44'18.563"N	104°00'04.146"W	0.14
2800.00	0.330	328.940	2799.87	2.32	-1.65	2.32	602140.70	632533.98	32°44'18.566"N	104°00'04.149"W	0.16
2900.00	0.520	313.400	2899.87	1.84	-1.09	1.84	602140.22	632534.54	32°44'18.572"N	104°00'04.154"W	0.22

Actual Wellpath Report

No. 1H AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Mewbourne Oil Company	Slot	No. 1H SHL
Area	Eddy County, NM	Well	No. 1H
Field	(Aries) Sec 20, T18S, R30E	Wellbore	No. 1H AWB
Facility	Aries 20 Fed Com No. 1H		

WELLPATH DATA (227 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]
3000.00	0.580	302.100	2999.87	1.08	-0.51	1.08	602139.46	632535.12	32°44'18.578"N	104°00'04.163"W	0.12
3100.00	0.420	278.240	3099.86	0.29	-0.19	0.29	602138.67	632535.44	32°44'18.581"N	104°00'04.172"W	0.26
3200.00	0.280	248.250	3199.86	-0.30	-0.23	-0.30	602138.08	632535.40	32°44'18.581"N	104°00'04.179"W	0.23
3300.00	0.090	204.940	3299.86	-0.56	-0.39	-0.56	602137.82	632535.24	32°44'18.579"N	104°00'04.182"W	0.22
3400.00	0.030	9.780	3399.86	-0.59	-0.43	-0.59	602137.79	632535.20	32°44'18.579"N	104°00'04.183"W	0.12
3500.00	0.410	26.640	3499.86	-0.42	-0.09	-0.42	602137.96	632535.54	32°44'18.582"N	104°00'04.181"W	0.38
3600.00	0.650	7.670	3599.85	-0.19	0.80	-0.19	602138.19	632536.43	32°44'18.591"N	104°00'04.178"W	0.29
3700.00	0.630	351.890	3699.85	-0.19	1.90	-0.19	602138.19	632537.53	32°44'18.602"N	104°00'04.178"W	0.18
3800.00	0.540	345.230	3799.84	-0.38	2.90	-0.39	602138.00	632538.53	32°44'18.612"N	104°00'04.180"W	0.11
3900.00	0.320	343.460	3899.84	-0.58	3.62	-0.58	602137.80	632539.25	32°44'18.619"N	104°00'04.183"W	0.22
4000.00	0.220	10.310	3999.84	-0.63	4.08	-0.63	602137.75	632539.71	32°44'18.623"N	104°00'04.183"W	0.16
4100.00	0.300	43.320	4099.84	-0.41	4.46	-0.42	602137.96	632540.09	32°44'18.627"N	104°00'04.181"W	0.17
4200.00	0.460	33.970	4199.84	-0.01	4.98	-0.01	602138.37	632540.61	32°44'18.632"N	104°00'04.176"W	0.17
4300.00	0.630	9.340	4299.83	0.30	5.86	0.30	602138.68	632541.49	32°44'18.641"N	104°00'04.172"W	0.29
4400.00	0.870	352.620	4399.82	0.30	7.16	0.29	602138.67	632542.78	32°44'18.654"N	104°00'04.172"W	0.32
4500.00	0.840	329.260	4499.81	-0.18	8.54	-0.18	602138.20	632544.17	32°44'18.667"N	104°00'04.178"W	0.35
4600.00	0.780	308.450	4599.80	-1.08	9.59	-1.09	602137.29	632545.22	32°44'18.678"N	104°00'04.188"W	0.30
4700.00	0.580	295.080	4699.80	-2.07	10.23	-2.08	602136.30	632545.86	32°44'18.684"N	104°00'04.200"W	0.25
4800.00	0.260	295.270	4799.79	-2.74	10.54	-2.74	602135.64	632546.17	32°44'18.687"N	104°00'04.208"W	0.32
4900.00	0.730	114.100	4899.79	-2.36	10.38	-2.37	602136.01	632546.01	32°44'18.686"N	104°00'04.203"W	0.99
5000.00	1.080	129.150	4999.78	-1.05	9.52	-1.05	602137.33	632545.15	32°44'18.677"N	104°00'04.188"W	0.42
5100.00	1.500	137.410	5099.75	0.57	7.96	0.56	602138.94	632543.59	32°44'18.662"N	104°00'04.169"W	0.46
5200.00	0.870	129.980	5199.73	2.03	6.51	2.03	602140.41	632542.14	32°44'18.647"N	104°00'04.152"W	0.65
5300.00	0.660	202.710	5299.72	2.39	5.49	2.39	602140.77	632541.12	32°44'18.637"N	104°00'04.148"W	0.92
5400.00	0.760	198.230	5399.72	1.96	4.33	1.96	602140.34	632539.96	32°44'18.626"N	104°00'04.153"W	0.11
5500.00	0.570	227.020	5499.71	1.39	3.36	1.39	602139.77	632538.99	32°44'18.616"N	104°00'04.159"W	0.38
5600.00	1.620	239.000	5599.69	-0.19	2.30	-0.19	602138.19	632537.93	32°44'18.606"N	104°00'04.178"W	1.07
5700.00	2.050	223.870	5699.64	-2.64	0.28	-2.64	602135.74	632535.91	32°44'18.586"N	104°00'04.207"W	0.64
5800.00	1.960	232.140	5799.58	-5.23	-2.06	-5.23	602133.15	632533.57	32°44'18.563"N	104°00'04.237"W	0.30
5900.00	2.220	218.790	5899.51	-7.79	-4.62	-7.79	602130.59	632531.01	32°44'18.537"N	104°00'04.267"W	0.55

Actual Wellpath Report

No. 1H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 1H SHL
Area	Eddy County, NM	Well	No. 1H
Field	(Aries) Sec 20, T18S, R30E	Wellbore	No. 1H AWB
Facility	Aries 20 Fed Com No. 1H		

WELLPATH DATA (227 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]
6000.00	2.070	213.040	5999.44	-9.99	-7.64	-9.99	602128.39	632527.99	32°44'18.508"N	104°00'04.293"W	0.26
6100.00	2.560	220.620	6099.36	-12.43	-10.85	-12.43	602125.95	632524.78	32°44'18.476"N	104°00'04.322"W	0.58
6200.00	2.120	209.210	6199.28	-14.79	-14.16	-14.78	602123.60	632521.47	32°44'18.443"N	104°00'04.349"W	0.64
6300.00	1.550	256.460	6299.23	-17.01	-16.09	-17.00	602121.38	632519.54	32°44'18.424"N	104°00'04.376"W	1.56
6400.00	1.700	264.620	6399.19	-19.80	-16.55	-19.79	602118.59	632519.08	32°44'18.420"N	104°00'04.408"W	0.28
6500.00	0.970	282.210	6499.16	-22.10	-16.51	-22.10	602116.28	632519.12	32°44'18.420"N	104°00'04.435"W	0.83
6600.00	0.870	266.150	6599.15	-23.69	-16.38	-23.68	602114.70	632519.25	32°44'18.422"N	104°00'04.454"W	0.28
6700.00	0.740	290.170	6699.14	-25.05	-16.21	-25.05	602113.34	632519.42	32°44'18.423"N	104°00'04.470"W	0.36
6800.00	0.380	322.500	6799.14	-25.86	-15.72	-25.85	602112.53	632519.91	32°44'18.428"N	104°00'04.479"W	0.47
6900.00	0.280	252.110	6899.13	-26.29	-15.54	-26.29	602112.09	632520.10	32°44'18.430"N	104°00'04.484"W	0.39
7000.00	0.570	167.610	6999.13	-26.42	-16.10	-26.41	602111.97	632519.53	32°44'18.424"N	104°00'04.486"W	0.61
7100.00	0.330	178.250	7099.13	-26.30	-16.87	-26.30	602112.08	632518.76	32°44'18.417"N	104°00'04.484"W	0.25
7200.00	0.570	238.920	7199.13	-26.72	-17.42	-26.72	602111.67	632518.22	32°44'18.411"N	104°00'04.489"W	0.50
7300.00	0.970	237.570	7299.12	-27.86	-18.13	-27.86	602110.53	632517.51	32°44'18.404"N	104°00'04.503"W	0.40
7380.00	0.690	251.820	7379.11	-28.89	-18.64	-28.89	602109.50	632516.99	32°44'18.399"N	104°00'04.515"W	0.43
7425.00	0.500	235.600	7424.11	-29.31	-18.83	-29.30	602109.08	632516.80	32°44'18.397"N	104°00'04.520"W	0.56
7456.00	0.500	241.600	7455.11	-29.54	-18.98	-29.54	602108.85	632516.66	32°44'18.396"N	104°00'04.522"W	0.17
7488.00	0.800	246.200	7487.10	-29.87	-19.13	-29.86	602108.52	632516.50	32°44'18.394"N	104°00'04.526"W	0.95
7520.00	0.800	261.400	7519.10	-30.29	-19.26	-30.29	602108.09	632516.38	32°44'18.393"N	104°00'04.531"W	0.66
7552.00	0.800	253.500	7551.10	-30.73	-19.35	-30.72	602107.66	632516.28	32°44'18.392"N	104°00'04.536"W	0.34
7584.00	1.500	117.500	7583.09	-30.57	-19.61	-30.57	602107.82	632516.02	32°44'18.390"N	104°00'04.534"W	6.71
7616.00	5.000	103.600	7615.04	-28.84	-20.13	-28.84	602109.54	632515.50	32°44'18.385"N	104°00'04.514"W	11.13
7648.00	8.800	99.200	7646.80	-25.07	-20.85	-25.07	602113.32	632514.78	32°44'18.377"N	104°00'04.470"W	11.98
7680.00	12.500	100.900	7678.24	-19.25	-21.90	-19.25	602119.14	632513.73	32°44'18.367"N	104°00'04.402"W	11.60
7711.00	15.700	100.300	7708.31	-11.83	-23.28	-11.82	602126.56	632512.35	32°44'18.353"N	104°00'04.315"W	10.33
7743.00	18.400	100.600	7738.90	-2.61	-24.99	-2.60	602135.78	632510.65	32°44'18.336"N	104°00'04.207"W	8.44
7775.00	21.400	97.800	7768.98	8.14	-26.71	8.15	602146.53	632508.93	32°44'18.318"N	104°00'04.081"W	9.83
7807.00	24.300	94.500	7798.47	20.50	-28.02	20.50	602158.88	632507.62	32°44'18.305"N	104°00'03.937"W	9.90
7839.00	27.700	92.100	7827.23	34.50	-28.81	34.51	602172.88	632506.83	32°44'18.297"N	104°00'03.773"W	11.12
7871.00	31.200	91.000	7855.09	50.22	-29.22	50.23	602188.61	632506.41	32°44'18.292"N	104°00'03.589"W	11.07

Actual Wellpath Report

No. 1H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 1H SHL
Area	Eddy County, NM	Well	No. 1H
Field	(Aries) Sec 20, T18S, R30E	Wellbore	No. 1H AWB
Facility	Aries 20 Fed Com No. 1H		

WELLPATH DATA (227 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]
7902.00	34.800	90.100	7881.08	67.10	-29.38	67.11	602205.48	632506.25	32°44'18.290"N	104°00'03.391"W	11.72
7934.00	37.900	90.100	7906.85	86.06	-29.41	86.07	602224.45	632506.22	32°44'18.289"N	104°00'03.169"W	9.69
7966.00	40.200	90.400	7931.70	106.22	-29.50	106.23	602244.60	632506.13	32°44'18.288"N	104°00'02.933"W	7.21
7998.00	42.700	89.400	7955.69	127.40	-29.46	127.41	602265.78	632506.17	32°44'18.287"N	104°00'02.685"W	8.08
8029.00	45.100	88.300	7978.02	148.89	-29.02	148.90	602287.27	632506.61	32°44'18.291"N	104°00'02.434"W	8.12
8061.00	47.800	87.600	8000.07	172.07	-28.19	172.08	602310.44	632507.44	32°44'18.299"N	104°00'02.162"W	8.59
8093.00	51.300	87.300	8020.83	196.39	-27.11	196.40	602334.76	632508.53	32°44'18.309"N	104°00'01.878"W	10.96
8125.00	55.200	87.400	8039.97	222.00	-25.92	222.01	602360.37	632509.71	32°44'18.319"N	104°00'01.578"W	12.19
8157.00	58.100	88.300	8057.56	248.71	-24.92	248.72	602387.08	632510.71	32°44'18.329"N	104°00'01.265"W	9.36
8188.00	61.100	89.500	8073.25	275.44	-24.41	275.45	602413.80	632511.22	32°44'18.333"N	104°00'00.952"W	10.24
8220.00	63.500	90.900	8088.12	303.77	-24.52	303.78	602442.13	632511.12	32°44'18.331"N	104°00'00.621"W	8.44
8252.00	65.700	91.900	8101.84	332.66	-25.22	332.67	602471.02	632510.41	32°44'18.323"N	104°00'00.282"W	7.43
8284.00	67.600	90.700	8114.53	362.03	-25.89	362.04	602500.39	632509.74	32°44'18.315"N	103°59'59.939"W	6.86
8316.00	71.000	90.200	8125.84	391.96	-26.12	391.97	602530.32	632509.51	32°44'18.312"N	103°59'59.588"W	10.73
8348.00	73.600	91.000	8135.57	422.44	-26.44	422.45	602560.80	632509.19	32°44'18.308"N	103°59'59.231"W	8.47
8380.00	76.300	91.100	8143.87	453.34	-27.01	453.34	602591.69	632508.62	32°44'18.302"N	103°59'58.870"W	8.44
8411.00	78.800	91.700	8150.56	483.59	-27.75	483.60	602621.95	632507.88	32°44'18.293"N	103°59'58.515"W	8.28
8443.00	80.800	91.300	8156.22	515.08	-28.57	515.09	602653.42	632507.06	32°44'18.284"N	103°59'58.147"W	6.37
8475.00	83.600	90.900	8160.57	546.77	-29.18	546.78	602685.12	632506.45	32°44'18.277"N	103°59'57.776"W	8.84
8507.00	86.200	90.600	8163.41	578.64	-29.60	578.65	602716.98	632506.03	32°44'18.272"N	103°59'57.403"W	8.18
8608.00	89.200	90.300	8167.46	679.54	-30.39	679.55	602817.88	632505.24	32°44'18.261"N	103°59'56.222"W	2.99
8640.00	89.000	90.700	8167.97	711.54	-30.67	711.55	602849.87	632504.96	32°44'18.257"N	103°59'55.847"W	1.40
8672.00	88.800	90.900	8168.58	743.53	-31.12	743.54	602881.86	632504.52	32°44'18.252"N	103°59'55.473"W	0.88
8703.00	88.700	90.900	8169.26	774.52	-31.60	774.53	602912.84	632504.03	32°44'18.246"N	103°59'55.110"W	0.32
8735.00	89.300	90.400	8169.81	806.51	-31.97	806.52	602944.83	632503.67	32°44'18.241"N	103°59'54.735"W	2.44
8767.00	89.300	89.800	8170.21	838.51	-32.02	838.52	602976.83	632503.61	32°44'18.240"N	103°59'54.361"W	1.87
8799.00	89.100	89.800	8170.65	870.50	-31.91	870.51	603008.82	632503.72	32°44'18.240"N	103°59'53.986"W	0.62
8831.00	88.800	89.600	8171.24	902.50	-31.74	902.51	603040.82	632503.89	32°44'18.241"N	103°59'53.612"W	1.13
8863.00	88.700	89.500	8171.94	934.49	-31.49	934.50	603072.80	632504.14	32°44'18.242"N	103°59'53.237"W	0.44
8895.00	88.700	89.000	8172.66	966.48	-31.07	966.49	603104.79	632504.56	32°44'18.245"N	103°59'52.863"W	1.56

Actual Wellpath Report

No. 1H AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Mewbourne Oil Company	Slot	No. 1H SHL
Area	Eddy County, NM	Well	No. 1H
Field	(Aries) Sec 20, T18S, R30E	Wellbore	No. 1H AWB
Facility	Aries 20 Fed Com No. 1H		

WELLPATH DATA (227 stations)											
MD [m]	Inclination [°]	Azimuth [°]	TVD [m]	Vert Sect [m]	North [m]	East [m]	Grid East [srv m]	Grid North [srv m]	Latitude	Longitude	DLS [°/100m]
8927.00	88.600	88.800	8173.42	998.46	-30.46	998.47	603136.77	632505.17	32°44'18.250"N	103°59'52.488"W	0.70
8959.00	88.000	88.700	8174.37	1030.44	-29.76	1030.45	603168.75	632505.87	32°44'18.256"N	103°59'52.114"W	1.90
8991.00	87.800	88.600	8175.54	1062.41	-29.01	1062.42	603200.72	632506.62	32°44'18.263"N	103°59'51.739"W	0.70
9023.00	87.400	88.400	8176.88	1094.37	-28.17	1094.38	603232.67	632507.46	32°44'18.270"N	103°59'51.365"W	1.40
9055.00	87.900	88.200	8178.19	1126.33	-27.22	1126.34	603264.63	632508.41	32°44'18.278"N	103°59'50.991"W	1.68
9086.00	88.000	88.400	8179.30	1157.30	-26.30	1157.31	603295.59	632509.33	32°44'18.287"N	103°59'50.629"W	0.72
9118.00	88.400	88.500	8180.31	1189.27	-25.44	1189.28	603327.56	632510.19	32°44'18.294"N	103°59'50.254"W	1.29
9150.00	88.700	89.000	8181.11	1221.25	-24.74	1221.26	603359.54	632510.89	32°44'18.300"N	103°59'49.880"W	1.82
9182.00	88.600	88.500	8181.87	1253.24	-24.04	1253.25	603391.52	632511.59	32°44'18.306"N	103°59'49.505"W	1.59
9214.00	88.900	89.700	8182.57	1285.23	-23.54	1285.23	603423.51	632512.09	32°44'18.310"N	103°59'49.131"W	3.86
9246.00	89.000	90.100	8183.15	1317.22	-23.48	1317.23	603455.50	632512.15	32°44'18.309"N	103°59'48.756"W	1.29
9278.00	89.400	90.500	8183.60	1349.22	-23.65	1349.22	603487.49	632511.98	32°44'18.307"N	103°59'48.382"W	1.77
9310.00	89.600	90.600	8183.88	1381.21	-23.96	1381.22	603519.49	632511.67	32°44'18.303"N	103°59'48.007"W	0.70
9342.00	89.600	90.700	8184.10	1413.21	-24.32	1413.22	603551.48	632511.31	32°44'18.298"N	103°59'47.633"W	0.31
9374.00	90.200	89.900	8184.16	1445.21	-24.49	1445.22	603583.48	632511.14	32°44'18.295"N	103°59'47.258"W	3.12
9405.00	90.200	89.700	8184.05	1476.21	-24.38	1476.22	603614.48	632511.25	32°44'18.295"N	103°59'46.895"W	0.65
9437.00	90.100	89.500	8183.97	1508.21	-24.16	1508.22	603646.47	632511.47	32°44'18.297"N	103°59'46.520"W	0.70
9469.00	89.900	88.300	8183.97	1540.20	-23.54	1540.21	603678.47	632512.09	32°44'18.302"N	103°59'46.146"W	3.80
9501.00	89.600	88.400	8184.11	1572.19	-22.62	1572.20	603710.45	632513.01	32°44'18.310"N	103°59'45.771"W	0.99
9533.00	89.600	88.300	8184.33	1604.17	-21.70	1604.18	603742.43	632513.93	32°44'18.318"N	103°59'45.397"W	0.31
9565.00	88.600	88.100	8184.83	1636.16	-20.70	1636.16	603774.41	632514.94	32°44'18.327"N	103°59'45.023"W	3.19
9597.00	88.200	88.100	8185.73	1668.13	-19.64	1668.13	603806.38	632516.00	32°44'18.336"N	103°59'44.648"W	1.25
9628.00	88.100	88.300	8186.73	1699.09	-18.66	1699.10	603837.34	632516.97	32°44'18.345"N	103°59'44.286"W	0.72
9660.00	88.300	88.500	8187.73	1731.07	-17.77	1731.07	603869.31	632517.86	32°44'18.353"N	103°59'43.911"W	0.88
9692.00	88.800	88.800	8188.54	1763.05	-17.02	1763.05	603901.29	632518.62	32°44'18.359"N	103°59'43.537"W	1.82
9724.00	89.100	88.400	8189.13	1795.03	-16.23	1795.04	603933.27	632519.40	32°44'18.366"N	103°59'43.162"W	1.56
9756.00	89.000	88.200	8189.66	1827.01	-15.28	1827.02	603965.25	632520.35	32°44'18.374"N	103°59'42.788"W	0.70
9788.00	90.100	88.200	8189.91	1859.00	-14.28	1859.00	603997.23	632521.35	32°44'18.383"N	103°59'42.414"W	3.44
9820.00	90.000	88.000	8189.88	1890.98	-13.22	1890.98	604029.21	632522.41	32°44'18.393"N	103°59'42.039"W	0.70
9852.00	89.600	87.900	8189.99	1922.96	-12.07	1922.96	604061.19	632523.56	32°44'18.403"N	103°59'41.665"W	1.29

Actual Wellpath Report

No. 1H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 1H SHL
Area	Eddy County, NM	Well	No. 1H
Field	(Aries) Sec 20, T18S, R30E	Wellbore	No. 1H AWP
Facility	Aries 20 Fed Com No. 1H		

WELLPATH DATA (227 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]
9883.00	89.400	88.100	8190.26	1953.94	-10.99	1953.94	604092.17	632524.64	32°44'18.413"N	103°59'41.302"W	0.91
9915.00	90.300	88.700	8190.35	1985.93	-10.10	1985.93	604124.15	632525.53	32°44'18.421"N	103°59'40.927"W	3.38
9947.00	90.700	88.600	8190.07	2017.92	-9.34	2017.92	604156.14	632526.29	32°44'18.427"N	103°59'40.553"W	1.29
9979.00	90.700	88.600	8189.68	2049.91	-8.56	2049.91	604188.12	632527.07	32°44'18.434"N	103°59'40.178"W	0.00
10011.00	90.500	88.700	8189.34	2081.90	-7.81	2081.90	604220.11	632527.82	32°44'18.440"N	103°59'39.804"W	0.70
10043.00	90.200	88.700	8189.15	2113.89	-7.08	2113.89	604252.10	632528.55	32°44'18.447"N	103°59'39.429"W	0.94
10074.00	90.000	88.900	8189.09	2144.88	-6.43	2144.88	604283.09	632529.20	32°44'18.452"N	103°59'39.067"W	0.91
10106.00	89.800	88.700	8189.15	2176.87	-5.76	2176.87	604315.08	632529.87	32°44'18.458"N	103°59'38.692"W	0.88
10138.00	89.700	88.700	8189.29	2208.86	-5.04	2208.87	604347.07	632530.59	32°44'18.464"N	103°59'38.317"W	0.31
10170.00	89.500	88.600	8189.51	2240.86	-4.28	2240.86	604379.06	632531.35	32°44'18.470"N	103°59'37.943"W	0.70
10202.00	89.300	88.600	8189.85	2272.84	-3.50	2272.85	604411.04	632532.13	32°44'18.477"N	103°59'37.568"W	0.62
10233.00	89.000	88.600	8190.31	2303.83	-2.74	2303.83	604442.03	632532.89	32°44'18.483"N	103°59'37.206"W	0.97
10265.00	88.700	88.900	8190.95	2335.82	-2.05	2335.82	604474.01	632533.58	32°44'18.489"N	103°59'36.831"W	1.33
10297.00	89.900	89.000	8191.34	2367.81	-1.46	2367.81	604506.00	632534.17	32°44'18.494"N	103°59'36.457"W	3.76
10329.00	90.000	89.400	8191.37	2399.81	-1.01	2399.81	604537.99	632534.62	32°44'18.498"N	103°59'36.082"W	1.29
10361.00	90.000	89.300	8191.37	2431.80	-0.65	2431.80	604569.99	632534.98	32°44'18.500"N	103°59'35.707"W	0.31
10393.00	90.600	89.400	8191.20	2463.80	-0.29	2463.80	604601.98	632535.34	32°44'18.503"N	103°59'35.333"W	1.90
10425.00	90.700	89.500	8190.84	2495.80	0.02	2495.80	604633.98	632535.65	32°44'18.505"N	103°59'34.958"W	0.44
10456.00	90.800	89.500	8190.43	2526.79	0.29	2526.79	604664.97	632535.92	32°44'18.506"N	103°59'34.595"W	0.32
10488.00	90.800	89.400	8189.98	2558.79	0.60	2558.79	604696.96	632536.23	32°44'18.508"N	103°59'34.221"W	0.31
10520.00	90.800	89.500	8189.54	2590.79	0.90	2590.79	604728.96	632536.53	32°44'18.510"N	103°59'33.846"W	0.31
10551.00	89.700	89.700	8189.40	2621.78	1.12	2621.78	604759.95	632536.75	32°44'18.512"N	103°59'33.483"W	3.61
10583.00	89.100	90.000	8189.74	2653.78	1.20	2653.78	604791.95	632536.83	32°44'18.511"N	103°59'33.109"W	2.10
10615.00	89.000	89.900	8190.27	2685.78	1.23	2685.78	604823.94	632536.86	32°44'18.511"N	103°59'32.734"W	0.44
10647.00	90.000	90.300	8190.55	2717.78	1.18	2717.78	604855.94	632536.81	32°44'18.509"N	103°59'32.359"W	3.37
10678.00	90.100	90.500	8190.52	2748.78	0.96	2748.78	604886.93	632536.59	32°44'18.506"N	103°59'31.997"W	0.72
10710.00	90.200	90.300	8190.44	2780.77	0.74	2780.77	604918.93	632536.37	32°44'18.503"N	103°59'31.622"W	0.70
10742.00	90.400	90.100	8190.27	2812.77	0.63	2812.77	604950.93	632536.26	32°44'18.501"N	103°59'31.247"W	0.88
10774.00	90.600	90.400	8189.99	2844.77	0.49	2844.77	604982.92	632536.12	32°44'18.498"N	103°59'30.873"W	1.13
10806.00	89.900	89.500	8189.85	2876.77	0.51	2876.77	605014.92	632536.14	32°44'18.497"N	103°59'30.498"W	1.56

Actual Wellpath Report

No. 1H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 1H SHL
Area	Eddy County, NM	Well	No. 1H
Field	(Aries) Sec 20, T18S, R30E	Wellbore	No. 1H AWB
Facility	Aries 20 Fed Com No. 1H		

WELLPATH DATA (227 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]
10838.00	89.900	88.900	8189.91	2908.77	0.96	2908.77	605046.91	632536.59	32°44'18.501"N	103°59'30.124"W	1.87
10869.00	90.200	89.000	8189.88	2939.76	1.53	2939.76	605077.90	632537.16	32°44'18.505"N	103°59'29.761"W	1.02
10901.00	89.100	89.000	8190.07	2971.76	2.09	2971.76	605109.90	632537.72	32°44'18.510"N	103°59'29.386"W	3.44
10933.00	88.500	88.300	8190.74	3003.74	2.84	3003.74	605141.88	632538.47	32°44'18.516"N	103°59'29.012"W	2.88
10965.00	88.400	88.600	8191.61	3035.72	3.71	3035.72	605173.85	632539.34	32°44'18.524"N	103°59'28.637"W	0.99
10997.00	88.400	88.500	8192.50	3067.70	4.52	3067.69	605205.83	632540.14	32°44'18.531"N	103°59'28.263"W	0.31
11028.00	89.000	89.200	8193.21	3098.68	5.14	3098.68	605236.81	632540.77	32°44'18.536"N	103°59'27.900"W	2.97
11060.00	89.500	89.200	8193.63	3130.68	5.58	3130.67	605268.80	632541.21	32°44'18.540"N	103°59'27.526"W	1.56
11092.00	90.100	89.000	8193.74	3162.67	6.09	3162.67	605300.79	632541.72	32°44'18.543"N	103°59'27.151"W	1.98
11124.00	90.300	88.900	8193.63	3194.67	6.67	3194.66	605332.79	632542.30	32°44'18.548"N	103°59'26.776"W	0.70
11156.00	90.200	89.300	8193.49	3226.66	7.18	3226.66	605364.78	632542.81	32°44'18.552"N	103°59'26.402"W	1.29
11187.00	90.200	89.600	8193.38	3257.66	7.47	3257.66	605395.77	632543.10	32°44'18.554"N	103°59'26.039"W	0.97
11219.00	89.900	89.300	8193.35	3289.66	7.78	3289.66	605427.77	632543.41	32°44'18.556"N	103°59'25.664"W	1.33
11251.00	89.300	89.700	8193.57	3321.66	8.06	3321.65	605459.77	632543.69	32°44'18.558"N	103°59'25.290"W	2.25
11283.00	89.400	89.300	8193.94	3353.65	8.34	3353.65	605491.76	632543.97	32°44'18.560"N	103°59'24.915"W	1.29
11314.00	89.500	88.900	8194.23	3384.65	8.83	3384.65	605522.75	632544.46	32°44'18.563"N	103°59'24.552"W	1.33
11345.00	89.800	89.100	8194.42	3415.64	9.37	3415.64	605553.74	632545.00	32°44'18.568"N	103°59'24.189"W	1.16
11378.00	89.200	89.300	8194.71	3448.64	9.83	3448.64	605586.74	632545.46	32°44'18.571"N	103°59'23.803"W	1.92
11410.00	89.100	89.500	8195.19	3480.63	10.16	3480.63	605618.73	632545.79	32°44'18.574"N	103°59'23.429"W	0.70
11442.00	89.000	89.400	8195.72	3512.63	10.47	3512.62	605650.72	632546.10	32°44'18.576"N	103°59'23.054"W	0.44
11474.00	89.000	89.400	8196.28	3544.62	10.80	3544.62	605682.71	632546.43	32°44'18.578"N	103°59'22.680"W	0.00
11506.00	89.000	89.200	8196.83	3576.61	11.20	3576.61	605714.70	632546.82	32°44'18.581"N	103°59'22.305"W	0.62
11538.00	89.000	89.000	8197.39	3608.61	11.70	3608.60	605746.69	632547.33	32°44'18.585"N	103°59'21.930"W	0.62
11570.00	89.100	88.800	8197.92	3640.60	12.31	3640.59	605778.68	632547.94	32°44'18.590"N	103°59'21.556"W	0.70
11601.00	89.100	88.600	8198.41	3671.58	13.02	3671.58	605809.66	632548.64	32°44'18.596"N	103°59'21.193"W	0.65
11633.00	89.100	88.600	8198.91	3703.57	13.80	3703.57	605841.65	632549.43	32°44'18.602"N	103°59'20.819"W	0.00
11665.00	89.100	88.600	8199.41	3735.56	14.58	3735.55	605873.63	632550.21	32°44'18.609"N	103°59'20.444"W	0.00
11697.00	89.500	88.400	8199.81	3767.54	15.42	3767.54	605905.61	632551.05	32°44'18.616"N	103°59'20.070"W	1.40
11729.00	89.500	88.300	8200.09	3799.53	16.34	3799.52	605937.60	632551.97	32°44'18.624"N	103°59'19.695"W	0.31
11761.00	89.400	88.500	8200.39	3831.52	17.23	3831.51	605969.58	632552.86	32°44'18.632"N	103°59'19.321"W	0.70

Actual Wellpath Report

No. 1H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 1H SHL
Area	Eddy County, NM	Well	No. 1H
Field	(Aries) Sec 20, T18S, R30E	Wellbore	No. 1H AWB
Facility	Aries 20 Fed Com No. 1H		

WELLPATH DATA (227 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]
11793.00	89.200	88.600	8200.78	3863.50	18.04	3863.50	606001.57	632553.67	32°44'18.639"N	103°59'18.946"W	0.70
11824.00	89.300	88.400	8201.19	3894.49	18.85	3894.48	606032.55	632554.48	32°44'18.646"N	103°59'18.583"W	0.72
11856.00	89.100	88.200	8201.64	3926.47	19.80	3926.47	606064.53	632555.43	32°44'18.655"N	103°59'18.209"W	0.88
11888.00	89.200	87.900	8202.11	3958.45	20.89	3958.45	606096.50	632556.52	32°44'18.664"N	103°59'17.835"W	0.99
11920.00	89.200	89.500	8202.56	3990.44	21.67	3990.43	606128.49	632557.30	32°44'18.671"N	103°59'17.460"W	4.37
11952.00	89.100	89.900	8203.03	4022.43	21.90	4022.43	606160.48	632557.52	32°44'18.672"N	103°59'17.085"W	1.90
11983.00	89.100	90.000	8203.52	4053.43	21.92	4053.42	606191.48	632557.55	32°44'18.672"N	103°59'16.723"W	0.32
12015.00	89.500	90.000	8203.91	4085.43	21.92	4085.42	606223.47	632557.55	32°44'18.671"N	103°59'16.348"W	1.25
12047.00	89.300	90.500	8204.25	4117.43	21.78	4117.42	606255.47	632557.41	32°44'18.668"N	103°59'15.973"W	1.68
12078.00	89.100	90.300	8204.68	4148.42	21.57	4148.42	606286.46	632557.20	32°44'18.665"N	103°59'15.611"W	0.91
12109.00	89.100	90.700	8205.16	4179.42	21.30	4179.41	606317.45	632556.92	32°44'18.661"N	103°59'15.248"W	1.29
12141.00	89.000	90.700	8205.70	4211.41	20.91	4211.40	606349.44	632556.53	32°44'18.656"N	103°59'14.873"W	0.31
12172.00	89.700	91.400	8206.05	4242.40	20.34	4242.40	606380.43	632555.97	32°44'18.650"N	103°59'14.510"W	3.19
12204.00	89.900	92.100	8206.16	4274.39	19.36	4274.38	606412.41	632554.99	32°44'18.639"N	103°59'14.136"W	2.28
12236.00	89.500	91.700	8206.33	4306.37	18.30	4306.36	606444.39	632553.93	32°44'18.628"N	103°59'13.762"W	1.77
12268.00	89.200	91.800	8206.69	4338.35	17.32	4338.35	606476.37	632552.95	32°44'18.617"N	103°59'13.387"W	0.99
12349.00	89.200	91.800	8207.82	4419.30	14.78	4419.30	606557.32	632550.41	32°44'18.589"N	103°59'12.440"W	0.00

Actual Wellpath Report

No. 1H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 1H SHL
Area	Eddy County, NM	Well	No. 1H
Field	(Aries) Sec 20, T18S, R30E	Wellbore	No. 1H AWB
Facility	Aries 20 Fed Com No. 1H		

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
No. 1H PBHL		8221.00	1.55	4619.73	606757.74	632537.18	32°44'18.452"N	103°59'10.094"W	point

WELLPATH COMPOSITION Ref Wellbore: No. 1H AWB Ref Wellpath: No. 1H AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7380.00	Gyrodata standard - Drop gyro or Multi-shot	GYRO <100 - 7380>	No. 1H AWB
7380.00	12268.00	NaviTrak (Standard)	MWD (7425 - 12268)	No. 1H AWB
12268.00	12349.00	Blind Drilling (std)	Projection to bit	No. 1H AWB

A Gyrodata Directional Survey

Field Copy Only, not definitive

for

MEWBOURNE OIL COMPANY

Lease: ARIES 20-FED.COM Well: #1H, 4 1/2" DRILLPIPE
Location: PATTERSON #45, EDDY COUNTY, NEW MEXICO

Job Number: MD0710GMS296

Run Date: 30 Jul 2010

Surveyor: JASON SOLOMON, JR PENA

Calculation Method: MINIMUM CURVATURE

Survey surface coordinates obtained from: Hand Held GPS

Survey Latitude: 32.738611 deg. N Longitude: 104.002000 deg. W

Azimuth Correction:

Gyro: -0.18000 deg to Grid North

Vertical Section Calculated from Well Head Location

Closure Calculated from Well Head Location

Horizontal Coordinates Calculated from Well Head Location

A Gyrodata Directional Survey

MEWBOURNE OIL COMPANY
 Lease: ARIES 20 FED COM Well: #1H, 4 1/2" DRILLPIPE
 Location: PATTERSON #45, EDDY COUNTY, NEW MEXICO
 Job Number: MD0710GMS296

MEASURED INCLAZIMUTH		DOGLEG VERTICAL		CLOSURE		HORIZONTAL	
DEPTH	SEVERITY	DEPTH	DIST.	AZIMUTH	COORDINATES		
feet	deg.	deg.	feet	feet	deg.	feet	

0.00	0.00	0.00	0.00	0.0	0.0	0.00 N	0.00 E
------	------	------	------	-----	-----	--------	--------

0 TO 7380 FT RATE GYROSCOPIC MULTISHOT SURVEY RUN INSIDE 4 1/2" DRILLPIPE
 ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO PATTERSON #45 RKB 17 FT

100.00	0.19	234.28	0.19	100.00	0.2	234.3	0.10 S	0.13 W
200.00	0.56	163.84	0.53	200.00	0.7	191.4	0.66 S	0.13 W
300.00	0.88	156.33	0.33	299.99	1.9	170.4	1.84 S	0.31 E
400.00	1.04	178.34	0.40	399.98	3.5	169.4	3.45 S	0.65 E
500.00	0.68	189.60	0.40	499.96	5.0	173.4	4.94 S	0.57 E
600.00	0.53	188.94	0.15	599.96	6.0	176.2	5.98 S	0.40 E
700.00	0.42	189.54	0.11	699.96	6.8	177.7	6.80 S	0.27 E
800.00	0.38	196.05	0.06	799.95	7.5	179.1	7.48 S	0.12 E
900.00	0.18	155.03	0.27	899.95	7.9	179.3	7.94 S	0.09 E
1000.00	0.26	95.17	0.23	999.95	8.1	177.3	8.10 S	0.38 E
1100.00	0.74	74.39	0.51	1099.95	8.0	171.2	7.95 S	1.23 E
1200.00	0.96	70.01	0.23	1199.94	7.9	160.6	7.49 S	2.64 E
1300.00	0.98	63.84	0.11	1299.92	8.0	148.4	6.83 S	4.20 E
1400.00	0.83	56.17	0.19	1399.91	8.2	137.4	6.05 S	5.57 E
1500.00	0.71	17.21	0.53	1499.90	8.1	128.5	5.05 S	6.35 E
1600.00	0.66	9.51	0.10	1599.89	7.7	120.4	3.89 S	6.63 E
1700.00	0.53	356.80	0.18	1699.89	7.3	113.1	2.86 S	6.70 E

A Gyrodatta Directional Survey

MEWBOURNE OIL COMPANY

Lease: ARIES 20 FED COM Well: #1H, 4 1/2" DRILLPIPE

Location: PATTERSON #45, EDDY COUNTY, NEW MEXICO

Job Number: MD0710GMS296

MEASURED IN CLAZIMUTH		DOGLEG		VERTICAL		CLOSURE		HORIZONTAL	
DEPTH	SEVERITY	DEPTH	DIST.	DEPTH	DEPT.	COORDINATES			
feet	deg.	deg.	deg/100 ft.	feet	feet	feet	deg.	feet	
1800.00	0.39	327.53	0.27	1799.89	6.8	108.0	2.11 S	6.49 E	
1900.00	0.34	295.00	0.21	1899.88	6.3	105.7	1.70 S	6.04 E	
2000.00	0.38	281.11	0.10	1999.88	5.6	105.5	1.51 S	5.44 E	
2100.00	0.39	274.24	0.05	2099.88	5.0	106.6	1.42 S	4.78 E	
2200.00	0.30	260.20	0.12	2199.88	4.4	109.0	1.44 S	4.18 E	
2300.00	0.28	246.52	0.07	2299.88	4.0	113.2	1.58 S	3.70 E	
2400.00	0.20	235.42	0.09	2399.88	3.8	118.1	1.78 S	3.33 E	
2500.00	0.23	233.96	0.03	2499.87	3.6	123.4	2.00 S	3.03 E	
2600.00	0.12	266.65	0.14	2599.87	3.5	127.5	2.12 S	2.76 E	
2700.00	0.17	321.35	0.14	2699.87	3.3	128.1	2.01 S	2.56 E	
2800.00	0.33	328.94	0.16	2799.87	2.8	125.4	1.65 S	2.32 E	
2900.00	0.52	313.40	0.22	2899.87	2.1	120.6	1.09 S	1.84 E	
3000.00	0.58	302.10	0.12	2999.87	1.2	115.1	0.51 S	1.08 E	
3100.00	0.42	278.24	0.26	3099.86	0.3	122.7	0.19 S	0.29 E	
3200.00	0.28	248.25	0.23	3199.86	0.4	232.9	0.23 S	0.30 W	
3300.00	0.09	204.94	0.22	3299.86	0.7	235.3	0.39 S	0.56 W	
3400.00	0.03	9.78	0.12	3399.86	0.7	233.6	0.43 S	0.59 W	
3500.00	0.41	26.64	0.38	3499.86	0.4	258.4	0.09 S	0.42 W	
3600.00	0.65	7.67	0.29	3599.85	0.8	346.9	0.80 N	0.19 W	
3700.00	0.63	351.89	0.18	3699.85	1.9	354.4	1.90 N	0.19 W	
3800.00	0.54	345.23	0.11	3799.84	2.9	352.4	2.90 N	0.39 W	
3900.00	0.32	343.46	0.22	3899.84	3.7	350.8	3.62 N	0.58 W	

NEWBOURNE OIL COMPANY

Lease: ARIES 20 FED COM Well: #1H, 4 1/2" DRILLPIPE

Location: PATTERSON #45, EDDY COUNTY, NEW MEXICO

Job Number: MD0710GMS296

MEASURED IN CLAZIMUTH				DOGLEG VERTICAL		CLOSURE		HORIZONTAL	
DEPTH		SEVERITY	DEPTH	DIST.	SEVERITY	DEPTH	COORDINATES		
feet	deg.	deg.	deg./ 100 ft.	feet	feet	deg.	feet	feet	
4000.00	0.22	10.31	0.16	3999.84	4.1	351.2	4.08 N	0.63 W	
4100.00	0.30	43.32	0.17	4099.84	4.5	354.7	4.46 N	0.42 W	
4200.00	0.46	33.97	0.17	4199.84	5.0	359.9	4.98 N	0.01 W	
4300.00	0.63	9.34	0.29	4299.83	5.9	2.9	5.86 N	0.30 E	
4400.00	0.87	352.62	0.32	4399.82	7.2	2.3	7.16 N	0.29 E	
4500.00	0.84	329.26	0.35	4499.81	8.5	358.8	8.54 N	0.18 W	
4600.00	0.78	308.45	0.30	4599.80	9.7	353.5	9.59 N	1.09 W	
4700.00	0.58	295.08	0.25	4699.80	10.4	348.5	10.23 N	2.08 W	
4800.00	0.26	295.27	0.32	4799.79	10.9	345.4	10.54 N	2.74 W	
4900.00	0.73	114.10	0.99	4899.79	10.6	347.2	10.38 N	2.37 W	
5000.00	1.08	129.15	0.42	4999.78	9.6	353.7	9.52 N	1.05 W	
5100.00	1.50	137.41	0.46	5099.75	8.0	4.0	7.96 N	0.56 E	
5200.00	0.87	129.98	0.65	5199.73	6.8	17.3	6.51 N	2.03 E	
5300.00	0.66	202.71	0.92	5299.72	6.0	23.5	5.49 N	2.39 E	
5400.00	0.76	198.23	0.11	5399.72	4.8	24.4	4.33 N	1.96 E	
5500.00	0.57	227.02	0.38	5499.71	3.6	22.4	3.36 N	1.39 E	
5600.00	1.62	239.00	1.07	5599.69	2.3	355.4	2.30 N	0.19 W	
5700.00	2.05	223.87	0.64	5699.64	2.7	276.0	0.28 N	2.64 W	
5800.00	1.96	232.14	0.30	5799.58	5.6	248.5	2.06 S	5.23 W	
5900.00	2.22	218.79	0.55	5899.51	9.1	239.3	4.62 S	7.79 W	
6000.00	2.07	213.04	0.26	5999.44	12.6	232.6	7.64 S	9.99 W	

A Gyrodatta Directional Survey

MEWBOURNE OIL COMPANY
 Lease: ARIES 20 FED COM Well: #1H, 4 1/2" DRILLPIPE
 Location: PATTERSON #45, EDDY COUNTY, NEW MEXICO
 Job Number: MD0710GMS296

MEASURED IN CLAZIMUTH			DOGLEG SEVERITY		VERTICAL DEPTH		CLOSURE DIST.		AZIMUTH		HORIZONTAL COORDINATES	
DEPTH	deg.	deg.	deg./	deg.	feet	feet	feet	deg.	deg.	feet	feet	feet
feet			100 ft.									
6100.00	2.56	220.62	0.58		6099.36	16.5	228.9		10.85 S	12.43 W		
6200.00	2.12	209.21	0.64		6199.28	20.5	226.2		14.16 S	14.78 W		
6300.00	1.55	256.46	1.56		6299.23	23.4	226.6		16.09 S	17.00 W		
6400.00	1.70	264.62	0.28		6399.19	25.8	230.1		16.55 S	19.79 W		
6500.00	0.97	282.21	0.83		6499.16	27.6	233.2		16.51 S	22.10 W		
6600.00	0.87	266.15	0.28		6599.15	28.8	235.3		16.38 S	23.68 W		
6700.00	0.74	290.17	0.36		6699.14	29.8	237.1		16.21 S	25.05 W		
6800.00	0.38	322.50	0.47		6799.14	30.3	238.7		15.72 S	25.85 W		
6900.00	0.28	252.11	0.39		6899.13	30.5	239.4		15.54 S	26.29 W		
7000.00	0.57	167.61	0.61		6999.13	30.9	238.6		16.10 S	26.41 W		
7100.00	0.33	178.25	0.25		7099.13	31.2	237.3		16.87 S	26.30 W		
7200.00	0.57	238.92	0.50		7199.13	31.9	236.9		17.42 S	26.72 W		
7300.00	0.97	237.57	0.40		7299.12	33.2	236.9		18.13 S	27.86 W		
7380.00	0.69	251.82	0.43		7379.11	34.4	237.2		18.64 S	28.89 W		

Final Station Closure: Distance: 34.38 ft Az: 237.17 deg.

Packers Plus		Do It Once. Right.	Confidential Information - not to be disclosed outside Mewbourne Oil Company	Final Drawing		
Prepared for Mr. Mickey Young		Company Mewbourne Oil Company		Date 19-Aug-10		
Well Name Aries 20 Fed Com 1H		Type of Installation 17-Stage 4-1/2" StackFRAC® HD		Location Eddy County, NM		
Depth	Drawing	Description		OD(In)	ID(In)	Length
REV1				Page 1 of 2		
KOP 7552'						
TVD 8207'						
TOL 8261'						
316.40 bbls SNU0000365		***Drillable FracPORT's to be shipped without handling pups***				
		Latched Seal Assembly 7" 23-32 ppf x 3.875" Lower Bore x 4.75" Upper Bore SF Liner Hanger Packer PN: 108425-000012 (2 shear pins @ 482 each + 1 pin @ 241 psi:1205 psi setting pressure) SF Bottom Guide		5.875"	4.750	5.33
				5.850"	3.875	3.73
		7" 26# P-110 LT&C Casing				
Shoe 8557'		4-1/2" 11.60# P-110 LTC LINER JOINTS: 8		4.500"	4.000	364.03
Stage 17 8634'		Packers Plus 4-1/2" Drillable FracPORT™ with 3.500" Seat for 3.625" High Pressure Ball PN: 107934-000001 (5 shear pins at 315 psi each: 1,575 psi opening pressure)		5.630"	3.500	2.65
322.18 bbls EM0028816		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2		4.500"	4.000	90.48
		6' x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	6.10
RSII 8733'		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 102188-000003 (6 shear pins at 324 psi each: 1,944 psi setting pressure)		5.750"	3.750	5.25
EA0016884		3' x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	3.08
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2		4.500"	4.000	92.08
Stage 16 8833'		Packers Plus 4-1/2" Drillable FracPORT™ with 3.375" Seat for 3.500" High Pressure Ball PN: 108482-000060 (5 shear pins at 315 psi each: 1,575 psi opening pressure)		5.630"	3.375	2.65
325.27 bbls EA0022963		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2		4.500"	4.000	92.21
		6' x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	6.10
RSII 8934'		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 102188-000003 (6 shear pins at 324 psi each: 1,944 psi setting pressure)		5.750"	3.750	5.25
EA0022135		3' x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	3.06
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2		4.500"	4.000	92.64
Stage 15 9035'		Packers Plus 4-1/2" Drillable FracPORT™ with 3.250" Seat for 3.375" High Pressure Ball PN: 108482-000059 (5 shear pins at 315 psi each: 1,575 psi opening pressure)		5.630"	3.250	2.65
328.40 bbls EA0025569		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3		4.500"	4.000	135.66
		6' x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	6.09
RSII 9180'		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 102188-000003 (6 shear pins at 324 psi each: 1,944 psi setting pressure)		5.750"	3.750	5.25
EA0022127		3' x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	3.07
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2		4.500"	4.000	92.15
Stage 14 9280'		Packers Plus 4-1/2" Drillable FracPORT™ with 3.125" Seat for 3.250" High Pressure Ball PN: 108482-000058 (5 shear pins at 315 psi each: 1,575 psi opening pressure)		5.630"	3.125	2.65
332.19 bbls EA0023099		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3		4.500"	4.000	138.44
		6' x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	6.08
RSII 9427'		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 102188-000003 (6 shear pins at 324 psi each: 1,944 psi setting pressure)		5.750"	3.750	5.25
EA0022133		3' x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	3.08
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2		4.500"	4.000	90.74
Stage 13 9526'		Packers Plus 4-1/2" Drillable FracPORT™ with 3.00" Seat for 3.125" High Pressure Ball PN: 108482-000057 (5 shear pins at 315 psi each: 1,575 psi opening pressure)		5.630"	3.000	2.65
336.00 bbls EA0025069		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3		4.500"	4.000	137.57
		6' x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	6.09
RSII 9673'		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 102188-000003 (6 shear pins at 324 psi each: 1,944 psi setting pressure)		5.750"	3.750	5.25
EA0016630		3' x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	3.09
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2		4.500"	4.000	92.38
Stage 12 9774'		Packers Plus 4-1/2" Drillable FracPORT™ with 2.875" Seat for 3.000" High Pressure Ball PN: 108482-000056 (5 shear pins at 315 psi each: 1,575 psi opening pressure)		5.630"	2.875	2.65
339.85 bbls EA0015085		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3		4.500"	4.000	132.79
		6' x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	6.06
RSII 9915'		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 102188-000003 (6 shear pins at 324 psi each: 1,944 psi setting pressure)		5.750"	3.750	5.25
EA0016778		3' x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	3.05
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2		4.500"	4.000	92.30
Stage 11 10,016'		Packers Plus 4-1/2" Drillable FracPORT™ with 2.750" Seat for 2.875" High Pressure Ball PN: 108482-000055 (5 shear pins at 315 psi each: 1,575 psi opening pressure)		5.630"	2.750	2.65
343.60 bbls EA0024735		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2		4.500"	4.000	91.91
		6' x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	6.06
RSII 10,116'		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 102188-000003 (6 shear pins at 324 psi each: 1,950 psi setting pressure)		5.750"	3.750	5.25
EA0016610		3' x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	3.06
Service Center Midland, TX		Telephone 432-563-8024		Contact Keith Martin		Telephone Chad Williams 405-255-3223

Packers Plus		Confidential Information - not to be disclosed outside Mewbourne Oil Company		Final Drawing	
Prepared for Mr. Mickey Young		Company Mewbourne Oil Company		Date 19-Aug-10	
Well Name Aries 20 Fed Com 1H		Type of Installation 17-Stage 4-1/2" StackFRAC® HD		Location Eddy County, NM	
Depth	Drawing	Description	OD(in)	ID(in)	Length
Page 2 of 2					
REV1		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2	4.500"	4.000	92.13
Stage 10 10,217' 346.72 bbls EA0023289		Packers Plus 4-1/2" Drillable FracPORT™ with 2.625" Seat for 2.750" High Pressure Ball PN: 108482-000054 (5 shear pins at 315 psi each; 1,575 psi opening pressure)	5.630"	2.625 3.720	2.65
RSII 10,364' EA0016236		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3 6' x 4-1/2" 11.6# P-110 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 102188-000003 (6 shear pins at 324 psi each; 1,950 psi setting pressure) 3' x 4-1/2" 11.6# P-110 LTC Pup Joint	4.500" 4.500" 5.750"	4.000 4.000 3.750	138.56 6.09 5.25
Stage 9 10,463' 350.53 bbls EA0021085		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2 Packers Plus 4-1/2" Drillable FracPORT™ with 2.500" Seat for 2.625" High Pressure Ball PN: 108482-000053 (5 shear pins at 315 psi each; 1,575 psi opening pressure)	4.500" 5.630"	4.000 2.500 3.720	3.10 90.31 2.65
RSII 10,508' EA0022277		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3 6' x 4-1/2" 11.6# P-110 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 102188-000003 (6 shear pins at 324 psi each; 1,950 psi setting pressure) 3' x 4-1/2" 11.6# P-110 LTC Pup Joint	4.500" 4.500" 5.750"	4.000 4.000 3.750	136.91 6.11 5.25
Stage 8 10,707' 354.31 bbls EA0014793		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2 Packers Plus 4-1/2" Drillable FracPORT™ with 2.375" Seat for 2.500" High Pressure Ball PN: 108482-000052 (5 shear pins at 315 psi each; 1,575 psi opening pressure)	4.500" 5.630"	4.000 2.375 3.720	3.09 90.51 2.65
RSII 10,850' EA00018418		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3 6' x 4-1/2" 11.6# P-110 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 102188-000003 (6 shear pins at 324 psi each; 1,950 psi setting pressure) 3' x 4-1/2" 11.6# P-110 LTC Pup Joint	4.500" 4.500" 5.750"	4.000 4.000 3.750	133.63 6.11 5.25
Stage 7 10,948' 358.05 bbls EA0024557		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2 Packers Plus 4-1/2" Drillable FracPORT™ with 2.250" Seat for 2.375" High Pressure Ball PN: 108482-000051 (5 shear pins at 315 psi each; 1,575 psi opening pressure)	4.500" 5.630"	4.000 2.250 3.720	3.07 90.37 2.65
RSII 11,094' EA0018596		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3 6' x 4-1/2" 11.6# P-110 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 102188-000003 (6 shear pins at 324 psi each; 1,950 psi setting pressure) 3' x 4-1/2" 11.6# P-110 LTC Pup Joint	4.500" 4.500" 5.750"	4.000 4.000 3.750	137.31 6.10 5.25
Stage 6 11,193' 361.85 bbls EA0019345		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2 Packers Plus 4-1/2" Drillable FracPORT™ with 2.125" Seat for 2.250" High Pressure Ball PN: 108482-000050 (5 shear pins at 315 psi each; 1,575 psi opening pressure)	4.500" 5.630"	4.000 2.125 3.720	3.08 90.28 2.65
RSII 11,286' EA0023937		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3 6' x 4-1/2" 11.6# P-110 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 102188-000003 (6 shear pins at 324 psi each; 1,950 psi setting pressure) 3' x 4-1/2" 11.6# P-110 LTC Pup Joint	4.500" 4.500" 5.750"	4.000 4.000 3.750	83.97 6.09 5.25
Stage 5 11,385' 364.82 bbls EA0025161		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2 Packers Plus 4-1/2" Drillable FracPORT™ with 2.000" Seat for 2.125" High Pressure Ball PN: 108482-000049 (5 shear pins at 315 psi each; 1,575 psi opening pressure)	4.500" 5.630"	4.000 2.000 3.720	3.09 91.05 2.65
RSII 11,527' EA0023935		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3 6' x 4-1/2" 11.6# P-110 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 102188-000003 (6 shear pins at 324 psi each; 1,950 psi setting pressure) 3' x 4-1/2" 11.6# P-110 LTC Pup Joint	4.500" 4.500" 5.750"	4.000 4.000 3.750	133.37 6.08 5.25
Stage 4 11,625' 368.54 bbls EA0025265		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2 Packers Plus 4-1/2" Drillable FracPORT™ with 1.875" Seat for 2.000" High Pressure Ball PN: 108482-000048 (5 shear pins at 315 psi each; 1,575 psi opening pressure)	4.500" 5.630"	4.000 1.875 3.720	3.08 89.07 2.65
RSII 11,723' EA0023939		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3 6' x 4-1/2" 11.6# P-110 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 102188-000003 (6 shear pins at 324 psi each; 1,950 psi setting pressure) 3' x 4-1/2" 11.6# P-110 LTC Pup Joint	4.500" 4.500" 5.750"	4.000 4.000 3.750	90.19 6.08 5.25
Stage 3 11,824' 371.63 bbls EA0024625		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2 Packers Plus 4-1/2" Drillable FracPORT™ with 1.750" Seat for 1.875" High Pressure Ball PN: 108482-000047 (5 shear pins at 315 psi each; 1,575 psi opening pressure)	4.500" 5.630"	4.000 1.750 3.720	3.09 92.09 2.65
RSII 11,967' EA0023941		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3 6' x 4-1/2" 11.6# P-110 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 102188-000003 (6 shear pins at 324 psi each; 1,950 psi setting pressure) 3' x 4-1/2" 11.6# P-110 LTC Pup Joint	4.500" 4.500" 5.750"	4.000 4.000 3.750	134.21 6.08 5.25
Stage 2 12,066' 375.38 bbls EA008049		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2 Packers Plus 4-1/2" Drillable FracPORT™ with 1.625" Seat for 1.750" High Pressure Ball PN: 108482-000046 (5 shear pins at 315 psi each; 1,575 psi opening pressure)	4.500" 5.630"	4.000 1.625 3.720	83.45 6.09 5.25
RSII 12,158' EA002401		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3 6' x 4-1/2" 11.6# P-110 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 102188-000003 (6 shear pins at 324 psi each; 1,950 psi setting pressure) 3' x 4-1/2" 11.6# P-110 LTC Pup Joint	4.500" 4.500" 5.750"	4.000 4.000 3.750	3.06 92.26 6.09
Stage 1 12,265' 378.46 bbls EA0023571		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2 Packers Plus 4-1/2" Dual Hydraulic FracPORT™ Centralized PN: 105900-000002 (10 pins at 391 psi each; 3,910 psi Upper) / (7 pins at 630 psi each; 4,410 psi Lower)	4.500" 5.630"	4.000 3.750	3.06 4.33
Toe Sub 12,278' EA0022437		6' x 4-1/2" 11.6# P-110 LTC Pup Joint Packers Plus 4-1/2" Toe Circulating Sub w/ 1.00" Seat for 1.25" High Pressure Ball PN: 103039-000011 (3 pins at 366 psi each; 1,098 psi closing pressure)	4.500" 5.500"	4.000 NA	6.09 2.72
MD 12,291'		4-1/2" LTC Single Valve Float Collar PN: 104733 6' x 4-1/2" 11.6# P-110 LTC Pup Joint 4-1/2" LTC Single Valve Float Collar PN: 104733 4-1/2" LTC Guide Shoe PN: 121704-000001	5.000" 4.500" 5.000" 5.500"	NA 4.000 NA 2.250	1.29 6.08 1.28 0.75
Service Center Midland, TX		Telephone 432-563-8024		Contact Keith Martin	
				Telephone Chad Williams 405-255-3223	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2004

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NM- Lease Serial No.
LC-046256-B (SL) NM-27279

a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry Other
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.

Aries 20 Fed Com #1H

9. API Well No.

30-015-37819

10. Field and Pool, or Exploratory

Sand Tank Bone Spring

11. Sec., T., R., M., on Block and Survey
or Area Sec 20-T18S-R30E

12. County or Parish

Eddy County

13. State

NM

17. Elevations (DF, RKB, RT, GL)*

3493' GL

2. Name of Operator

Mewbourne Oil Company 14744

3. Address

PO Box 5270 Hobbs, NM 88241

3a. Phone No. (include area code)

575-393-5905

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface 600' FNL & 330' FWL, Unit D Sec 20, T18S, R30E

At top prod. interval reported below

At total depth 585' FNL & 530' FEL, Unit A, Sec 20, T18S, R30E

RECEIVED

OCT 05 2010

NMOCD ARTESIA

14. Date Spudded

07/12/10

15. Date T.D. Reached

08/17/10

16. Date Completed

☐ D & A ☒ Ready to Prod.18. Total Depth: MD 12991'
TVD 8207'19. Plug Back T.D.: MD 12278'
TVD 8207'20. Depth Bridge Plug Set: MD NA
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☒ Yes (Submit copy)

Gyro/ GR/Resistivity/ Neutron

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2"	13 3/8"	48	0	312		580 Thix/C	143	Surface	NA
12 1/4"	9 5/8" J55	36	0	1462'		500 C	163	Surface	NA
8 3/4"	7" P110	26	0	8557'		1200 H	386	Surface	NA
6 1/8"	4 1/2" P110	11.6	8259	12291' MD	Liner	NA	NA	NA	NA

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 7/8"	7673'							

25. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Bone Springs	4458' MD	12349' MD	8634' - 12265' MD	Ports	17	Open
B)			8168' - 8206' TVD			
C)						
D)						

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
8634' - 12265' MD	Frac w/17,000 gals 15% HCl, 1,016,000 gals Viking 2000 carrying 995,000# 20/40 sand, tailed w/242,500# 20/40 Resin.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
09/15/10	09/18/10	24	→	435	317	1010	43	0.783	Gas Lift
Choke Size	Tbg. Press. Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
NA	80	1000	→	435	317	1010	729	Open	

ACCEPTED FOR RECORD

OCT 3 2010

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Call Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			→						

(See instructions and spaces for additional data on next page)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg Press Flwg. SI	Csg. Press	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg Press Flwg. SI	Csg. Press	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

29. Disposition of Gas (Sold used for fuel, vented, etc.)

SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				Salt	394
				Base of Salt	1220
				Yates	1360
				Seven Rivers	1801
				Queen	2445
				Grayburg	2816
				San Andres	3240
				Deleware	3750
				Bone Spring	4458

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

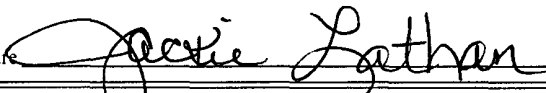
- ① Electrical/Mechanical Logs (1 full set req'd.) 2 Geologic Report 3 DST Report ④ Directional Survey
 5 Sundry Notice for plugging and cement verification 6 Core Analysis ⑦ Other: Comp Sundry, Dev Report, C104, GYRO, Final C-102, C-144 Closure
Perforation Report + Directional Report

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Jackie Lathan

Title Hobbs Regulatory

Signature



Date 09/24/10

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.

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised October 15, 2009

Submit one copy to appropriate
District Office

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-37819	Pool Code 96832	Pool Name SAND TANK BORE SPRING
Property Code 38153	Property Name ARIES "20" FEDERAL COM	Well Number 1H
OGRID No. 14744	Operator Name MEWBOURNE OIL COMPANY	Elevation 3493'

Surface Location

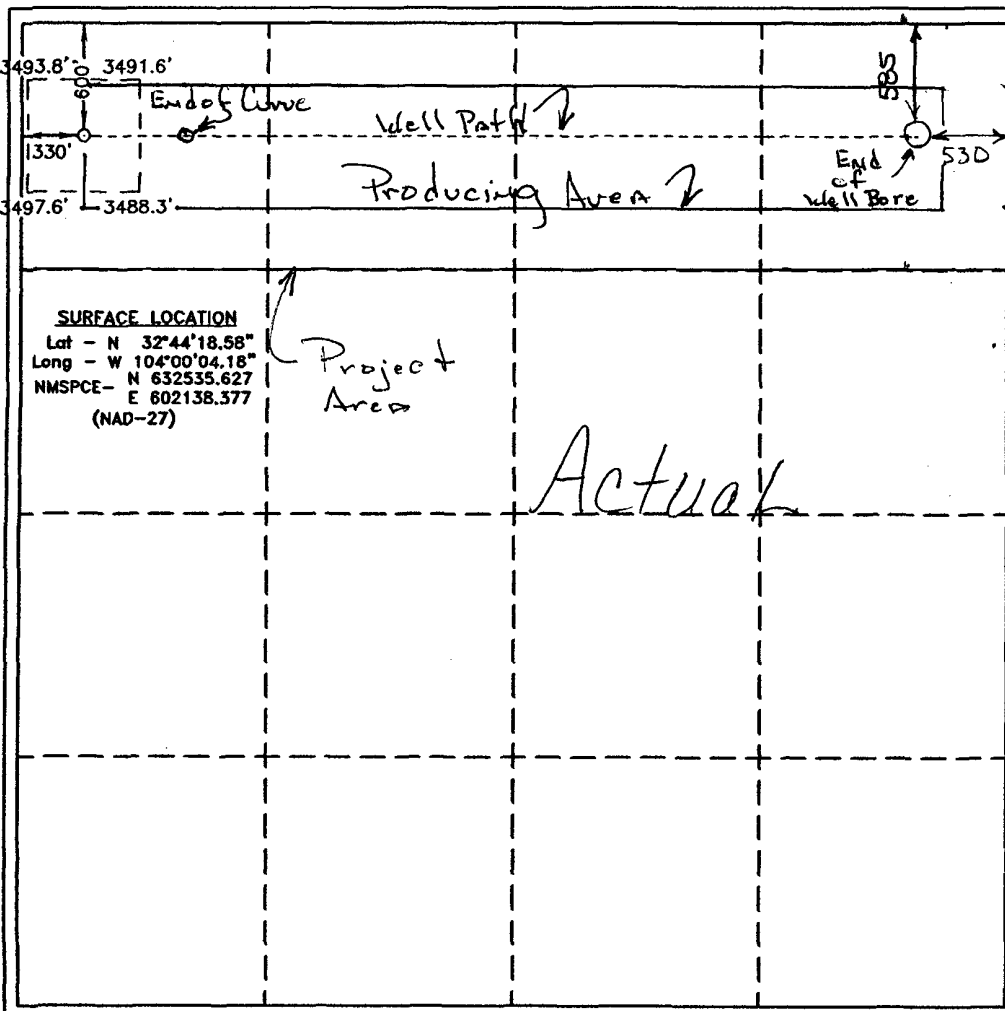
UL or lot No. D	Section 20	Township 18 S	Range 30 E	Lot Idn	Feet from the 600	North/South line NORTH	Feet from the 330	East/West line WEST	County EDDY
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Bottom Hole Location If Different From Surface

UL or lot No. A	Section 20	Township 18 S	Range 30 E	Lot Idn	Feet from the 585	North/South line NORTH	Feet from the 530	East/West line EAST	County EDDY
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Dedicated Acres 160	Joint or Infill	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

	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. <u>Jackie Lathan</u> 9/21/10 Signature Date <u>Jackie Lathan</u> Printed Name 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. JAN 11 2010 NEW MEXICO Professional Surveyor W.O. [Signature] Certificate No. Gary L. Jones 7977 BASIN SURVEYS
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