Form 3160-3
(June 2015)

FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.

6. If Indian, Allotee or Tribe Name

1a. Type of work: ☐ DRILL ☐ REENTER

1b. Type of Well: ☐ Oil Well ☐ Gas Well ☐ Other

1c. Type of Completion: ☐ Hydraulic Fracturing ☐ Single Zone ☐ Multiple Zone

7. If Unit or CA Agreement, Name and No.
30 015 48102

8. Lease Name and Well No.

2. Name of Operator

9. API Well No.

3a. Address

3b. Phone No. *(include area code)*

10. Field and Pool, or Exploratory

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

At surface

At proposed prod. zone

11. Sec., T. R. M. or Blk. and Survey or Area

14. Distance in miles and direction from nearest town or post office*

12. County or Parish

13. State

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of acres in lease	17. Spacing Unit dedicated to this well
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. in file
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable)

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be requested by the BLM.

25. Signature	Name *(Printed/Typed)*	Date
Title		
Approved by *(Signature)*	Name *(Printed/Typed)*	Date
Title	Office	

Application approval 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.
Conditions of approval, if any, are attached.

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 page 2)

*(Instructions on page 2)

AFMSS

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

Operator Certification Data Report

04/30/2020

Operator Certification

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

NAME: Bradley Bishop **Signed on:** 04/29/2020

Title: Regulatory

Street Address: PO Box 5270

City: Hobbs **State:** NM **Zip:** 88260

Phone: (575)393-5905

Email address: bbishop@mewbourne.com

Field Representative

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

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

Application Data Report
04/30/2020

APD ID: 10400052995
Submission Date: 04/29/2020
Operator Name: MEWBOURNE OIL COMPANY
Well Name: BUFFALO TRACE 1/36 W1NC FED COM
Well Number: 1H
Well Type: CONVENTIONAL GAS WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - General

APD ID: 10400052995
Tie to previous NOS?
Submission Date: 04/29/2020
BLM Office: CARLSBAD
User: Bradley Bishop
Title: Regulatory
Federal/Indian APD: FED
Is the first lease penetrated for production Federal or Indian? FED
Lease number: NMNM011039
Lease Acres: 360
Surface access agreement in place?
Allotted?
Reservation:
Agreement in place? NO
Federal or Indian agreement:
Agreement number:
Agreement name:
Keep application confidential? YES
Permitting Agent? NO
APD Operator: MEWBOURNE OIL COMPANY
Operator letter of designation:

Operator Info

Operator Organization Name: MEWBOURNE OIL COMPANY
Operator Address: PO Box 5270
Zip: 88240
Operator PO Box:
Operator City: Hobbs
State: NM
Operator Phone: (575)393-5905
Operator Internet Address:

Section 2 - Well Information

Well in Master Development Plan? NO
Master Development Plan name:
Well in Master SUPO? NO
Master SUPO name:
Well in Master Drilling Plan? NO
Master Drilling Plan name:
Well Name: BUFFALO TRACE 1/36 W1NC FED COM
Well Number: 1H
Well API Number:
Field/Pool or Exploratory? Field and Pool
Field Name: WELCH
Pool Name: PURPLE SAGE WOLFCAMP GAS
Is the proposed well in an area containing other mineral resources? USEABLE WATER,NATURAL GAS,OIL

Operator Name: MEWBOURNE OIL COMPANY

Well Name: BUFFALO TRACE 1/36 W1NC FED COM **Well Number:** 1H

Is the proposed well in an area containing other mineral resources? USEABLE WATER,NATURAL GAS,OIL

Is the proposed well in a Helium production area? N **Use Existing Well Pad?** Y **New surface disturbance?** Y

Type of Well Pad: MULTIPLE WELL **Multiple Well Pad Name:** Buffalo Trace 1/36 MD & NC Fed Com wells **Number:** 4

Well Class: HORIZONTAL **Number of Legs:** 1

Well Work Type: Drill

Well Type: CONVENTIONAL GAS WELL

Describe Well Type:

Well sub-Type: APPRAISAL

Describe sub-type:

Distance to town: 25 Miles **Distance to nearest well:** 50 FT **Distance to lease line:** 330 FT

Reservoir well spacing assigned acres Measurement: 480 Acres

Well plat: BuffaloTrace1_36W1NCFedCom1H_wellplat_20200310123853.pdf

Well work start Date: 05/10/2020 **Duration:** 60 DAYS

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83 **Vertical Datum:** NAVD88

Survey number: **Reference Datum:** GROUND LEVEL

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this lease?
SHL Leg #1	460	FNL	1275	FWL	26S	29E	12	Aliquot NENW	32.0628245	-103.9413634	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 011039	2997	0	0	N
KOP Leg #1	146	FNL	1460	FWL	26S	29E	12	Aliquot NENW	32.0637967	-103.940762	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 011039	-7134	10139	10131	N

Operator Name: MEWBOURNE OIL COMPANY

Well Name: BUFFALO TRACE 1/36 W1NC FED COM **Well Number:** 1H

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this lease?
PPP Leg #1-1	330	FSL	1460	FWL	26S	29E	1	Aliquot SESW	32.0651048	-103.9408068	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 106690	-7611	10887	10608	Y
PPP Leg #1-2	0	FSL	1460	FWL	25S	29E	36	Aliquot SESW	32.078967	-103.9412809	EDDY	NEW MEXICO	NEW MEXICO	S	STATE	-7621	15932	10618	Y
EXIT Leg #1	330	FNL	1460	FWL	25S	29E	36	Aliquot NENW	32.0926609	-103.9417495	EDDY	NEW MEXICO	NEW MEXICO	S	STATE	-7631	20915	10628	Y
BHL Leg #1	330	FNL	1460	FWL	25S	29E	36	Aliquot NENW	32.0926609	-103.9417495	EDDY	NEW MEXICO	NEW MEXICO	S	STATE	-7631	20915	10628	Y

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30 015 48102	98220	PURPLE SAGE; WOLFCAMP GAS POOL

4 Property Code	5 Property Name	6 Well Number
328113	BUFFALO TRACE 1/36 W1NC FED COM	1H

7 OGRID NO.	8 Operator Name	9 Elevation
14744	MEWBOURNE OIL COMPANY	2997'

10 Surface Location

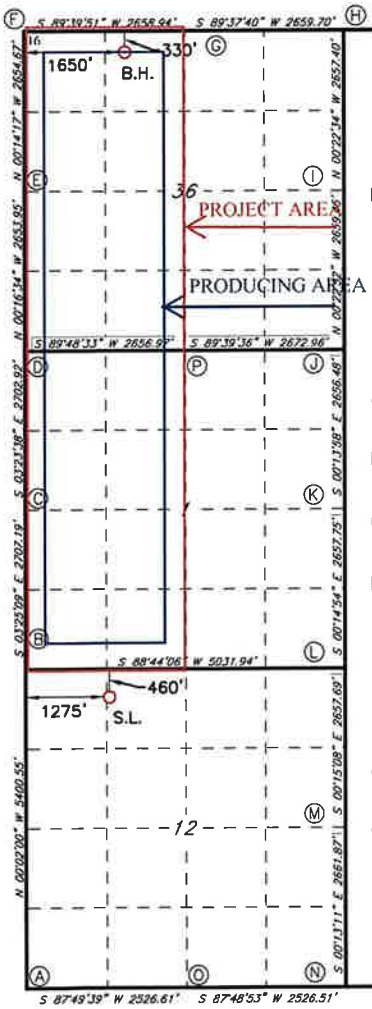
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
C	12	26S	29E		460	NORTH	1275	WEST	EDDY

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	36	25S	29E		330	NORTH	1650	WEST	EDDY

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
640			

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.



GEODETIC DATA
NAD 83 GRID – NM EAST

SURFACE LOCATION
N: 386850.1 – E: 662760.9

LAT: 32.0629245° N
LONG: 103.9413634° W

GEODETIC DATA
NAD 83 GRID – NM EAST

BOTTOM HOLE
N: 397668.4 – E: 662792.0

LAT: 32.0926627° N
LONG: 103.9411360° W

CORNER DATA
NAD 83 GRID – NM EAST

A: FOUND BRASS CAP "1940"
N: 381882.4 – E: 661489.4

B: FOUND BRASS CAP "1940"
N: 387281.8 – E: 661486.2

C: FOUND BRASS CAP "1940"
N: 389983.6 – E: 661324.8

D: FOUND BRASS CAP "1940"
N: 392681.2 – E: 661164.8

E: FOUND BRASS CAP "1940"
N: 395334.5 – E: 661152.0

F: FOUND 5/8" REBAR
N: 397988.6 – E: 661141.0

G: FOUND BRASS CAP "1940"
N: 398004.2 – E: 663799.3

H: FOUND BRASS CAP "1940"
N: 398021.5 – E: 666458.4

I: FOUND BRASS CAP "1940"
N: 395364.7 – E: 666475.8

J: FOUND BRASS CAP "1940"
N: 392705.9 – E: 666493.5

K: FOUND BRASS CAP "1940"
N: 390050.0 – E: 666504.3

L: FOUND 1/2" REBAR
N: 387392.8 – E: 666515.9

M: FOUND BRASS CAP "1940"
N: 384735.7 – E: 666527.5

N: FOUND BRASS CAP "1940"
N: 382074.4 – E: 666537.7

O: FOUND BRASS CAP "1940"
N: 381978.1 – E: 664013.6

P: FOUND BRASS CAP "1940"
N: 392690.0 – E: 663821.2

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature 3-9-20 Date

BRADLEY BISHOP
Printed Name

BBISHOP@MEWBOURNE.COM
E-mail Address

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

11-25-2019
Date of Survey

Signature and Seal of Professional Surveyor:

ROBERT M. HOWETT NEW MEXICO 19680 PROFESSIONAL SURVEYOR

19680
Certificate Number

Job No: LS19050564

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

Drilling Plan Data Report
04/30/2020

APD ID: 10400052995
Submission Date: 04/29/2020
Operator Name: MEWBOURNE OIL COMPANY
Well Name: BUFFALO TRACE 1/36 W1NC FED COM
Well Number: 1H
Well Type: CONVENTIONAL GAS WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth	Lithologies	Mineral Resources	Producing Formation
628679	UNKNOWN	2997	28	28	OTHER : Top Soil	NONE	N
628694	RUSTLER	2277	720	720	ANHYDRITE, DOLOMITE	NATURAL GAS, NONE, OIL	N
628681	TOP SALT	1955	1042	1042	SALT	NONE	N
726702	BASE OF SALT	-73	3070	3070	SALT	NONE	N
628686	LAMAR	-283	3280	3280	LIMESTONE	NATURAL GAS, OIL	N
628683	BELL CANYON	-323	3320	3320	SANDSTONE	NATURAL GAS, OIL	N
726703	CHERRY CANYON	-1158	4155	4155	SANDSTONE	NATURAL GAS, OIL	N
726704	MANZANITA	-1357	4354	4354	LIMESTONE	NATURAL GAS, OIL	N
726705	BRUSHY CANYON	-3777	6774	6774	SANDSTONE	NATURAL GAS, OIL	N
628688	BONE SPRING	-3993	6990	6990	LIMESTONE, SHALE	NATURAL GAS, OIL	N
726706	BONE SPRING 1ST	-4932	7929	7929	SANDSTONE	NATURAL GAS, OIL	N
726707	BONE SPRING 2ND	-5507	8504	8504	SANDSTONE	NATURAL GAS, OIL	N
726708	BONE SPRING 3RD	-6862	9859	9859	SANDSTONE	NATURAL GAS, OIL	N
628693	WOLFCAMP	-7233	10230	10230	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	Y

Section 2 - Blowout Prevention

Operator Name: MEWBOURNE OIL COMPANY

Well Name: BUFFALO TRACE 1/36 W1NC FED COM **Well Number:** 1H

Pressure Rating (PSI): 5M **Rating Depth:** 20915

Equipment: Annular, Pipe Ram, Blind Ram

Requesting Variance? YES

Variance request: A variance is requested for the use of a flexible choke line from the BOP to choke manifold. Anchors are not required by manufacturer. A multibowl wellhead is being used. See attached schematic.
Testing Procedure: BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The system may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested. Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold. See attached schematics.
Choke Diagram Attachment:

Buffalo_Trace_1_36_W1NC_Fed_Com_1H_5M_BOPE_Choke_Diagram_20200428142541.pdf

Buffalo_Trace_1_36_W1NC_Fed_Com_1H_Flex_Line_Specs_20200428142541.pdf

Buffalo_Trace_1_36_W1NC_Fed_Com_1H_Flex_Line_Specs_API_16C_20200428142542.pdf

BOP Diagram Attachment:

Buffalo_Trace_1_36_W1NC_Fed_Com_1H_Multi_Bowl_WH_20200428142604.pdf

Buffalo_Trace_1_36_W1NC_Fed_Com_1H_5M_BOPE_Schematic_20200428142604.pdf

Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	17.5	13.375	NEW	API	N	0	975	0	975	2997	2022	975	H-40	48	ST&C	1.73	3.88	DRY	6.88	DRY	11.56
2	INTERMEDIATE	12.25	9.625	NEW	API	N	0	3200	0	3200	3065	-203	3200	J-55	36	LT&C	1.21	2.12	DRY	3.93	DRY	4.9
3	PRODUCTION	8.75	7.625	NEW	API	N	0	10600	0	10524	3065	-7527	10600	P-110	39	FJ	2.13	2.43	DRY	1.85	DRY	2.9
4	LINER	6.125	4.5	NEW	API	N	10139	20915	10131	10628	-7134	-7631	10776	P-110	13.5	LT&C	1.61	1.87	DRY	2.32	DRY	2.9

Casing Attachments

Operator Name: MEWBOURNE OIL COMPANY

Well Name: BUFFALO TRACE 1/36 W1NC FED COM **Well Number:** 1H

Casing Attachments

Casing ID: 1 **String Type:** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Buffalo_Trace_1_36_W1NC_Fed_Com_1H_Csg_assumptions_20200428142745.pdf

Casing ID: 2 **String Type:** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Buffalo_Trace_1_36_W1NC_Fed_Com_1H_Csg_assumptions_20200428142811.pdf

Casing ID: 3 **String Type:** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Buffalo_Trace_1_36_W1NC_Fed_Com_1H_Csg_assumptions_20200428142852.pdf

Buffalo_Trace_1_36_W1NC_Fed_Com_1H_Technical_Data_Sheet_VAM_HDL_7.625_x_39_P110_20200428142852.pdf

Operator Name: MEWBOURNE OIL COMPANY

Well Name: BUFFALO TRACE 1/36 W1NC FED COM **Well Number:** 1H

Casing Attachments

Casing ID: 4 **String Type:** LINER

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Buffalo_Trace_1_36_W1NC_Fed_Com_1H_Csg_assumptions_20200428142925.pdf

Section 4 - Cement

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	784	520	2.12	12.5	1102	100	Class C	Salt, Gel, Extender, LCM
SURFACE	Tail		784	975	200	1.34	14.8	268	100	Class C	Retarder
INTERMEDIATE	Lead		0	2510	460	2.12	12.5	975	25	Class C	Salt, Gel, Extender, LCM
INTERMEDIATE	Tail		2510	3200	200	1.34	14.8	268	25	Class C	Retarder
PRODUCTION	Lead	4354	3000	3325	20	2.12	12.5	42	25	Class C	Gel, Retarder, Defoamer, Extender
PRODUCTION	Tail		3325	4354	100	1.34	14.8	134	25	Class C	Retarder
PRODUCTION	Lead	4354	4354	6842	150	2.12	12.5	318	25	Class C	Gel, Retarder, Defoamer, Extender
PRODUCTION	Tail		6842	10600	400	1.18	15.6	472	25	Class H	Retarder, Fluid Loss, Defoamer
LINER	Lead		10139	20915	430	2.97	11.2	1277	25	Class C	Salt, Gel, Fluid Loss, Retarder, Dispersant, Defoamer, Anti-Settling Agent

Operator Name: MEWBOURNE OIL COMPANY

Well Name: BUFFALO TRACE 1/36 W1NC FED COM **Well Number:** 1H

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

Description of the equipment for the circulating system in accordance with Onshore Order #2:

Diagram of the equipment for the circulating system in accordance with Onshore Order #2:

Describe what will be on location to control well or mitigate other conditions: Lost circulation material Sweeps Mud scavengers in surface hole

Describe the mud monitoring system utilized: Pason, PVT, and Visual Monitoring

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
0	975	SPUD MUD	8.6	8.8							
975	3200	SALT SATURATED	10	10							
3200	10524	WATER-BASED MUD	8.6	9.7							
10524	10628	OIL-BASED MUD	10	12							

Section 6 - Test, Logging, Coring

List of production tests including testing procedures, equipment and safety measures:

Will run GR/CNL from KOP (10139') to surface (horizontal well - vertical portion of hole). Stated logs run will be in the Completion Report submitted to the BLM.

List of open and cased hole logs run in the well:

COMPENSATED NEUTRON LOG,DIRECTIONAL SURVEY,GAMMA RAY LOG,MEASUREMENT WHILE DRILLING,MUD LOG/GEOLOGIC LITHOLOGY LOG,MUD LOG/GEOLOGICAL LITHOLOGY LOG,

Coring operation description for the well:

None

Operator Name: MEWBOURNE OIL COMPANY

Well Name: BUFFALO TRACE 1/36 W1NC FED COM **Well Number:** 1H

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 6632 **Anticipated Surface Pressure:** 4293

Anticipated Bottom Hole Temperature(F): 165

Anticipated abnormal pressures, temperatures, or potential geologic hazards? NO

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards attachment:

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations plan:

Buffalo_Trace_1_36_W1NC_Fed_Com_1H_H2S_Plan_20200428143550.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

Buffalo_Trace_1_36_W1NC_Fed_Com_1H_Dir_plot_20200428143623.pdf
Buffalo_Trace_1_36_W1NC_Fed_Com_1H_Dir_plan_20200428143623.pdf

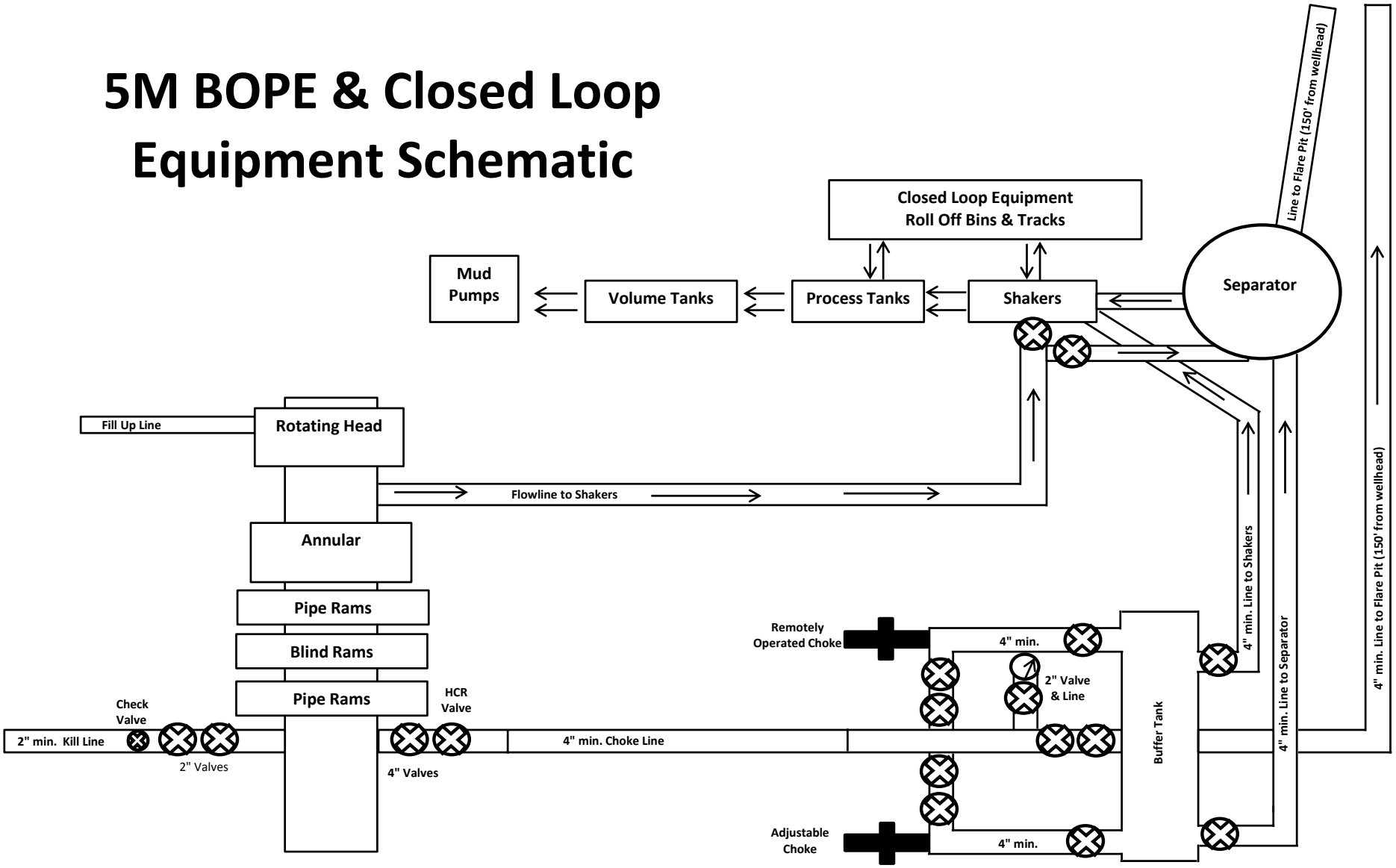
Other proposed operations facets description:

Other proposed operations facets attachment:

Buffalo_Trace_1_36_W1NC_Fed_Com_1H_Add_Info_20200428143636.pdf

Other Variance attachment:

5M BOPE & Closed Loop Equipment Schematic



Drawing not to scale

Note: All valves & lines on choke manifold are 4" unless otherwise noted. Exact manifold configuration may vary.

ENGINEERING & SERVICES

GATES E & S NORTH AMERICA, INC.
134 44TH STREET
CORPUS CHRISTI, TEXAS 78405

PHONE: 361-887-9807
FAX: 361-887-0812
EMAIL: *Tim.Cantu@gates.com*
WEB: www.gates.com

10K CEMENTING ASSEMBLY PRESSURE TEST CERTIFICATE

Customer :	AUSTIN DISTRIBUTING	Test Date:	4/30/2015
Customer Ref. :	4060578	Hose Serial No.:	D-043015-7
Invoice No. :	500506	Created By:	JUSTIN CROPPER

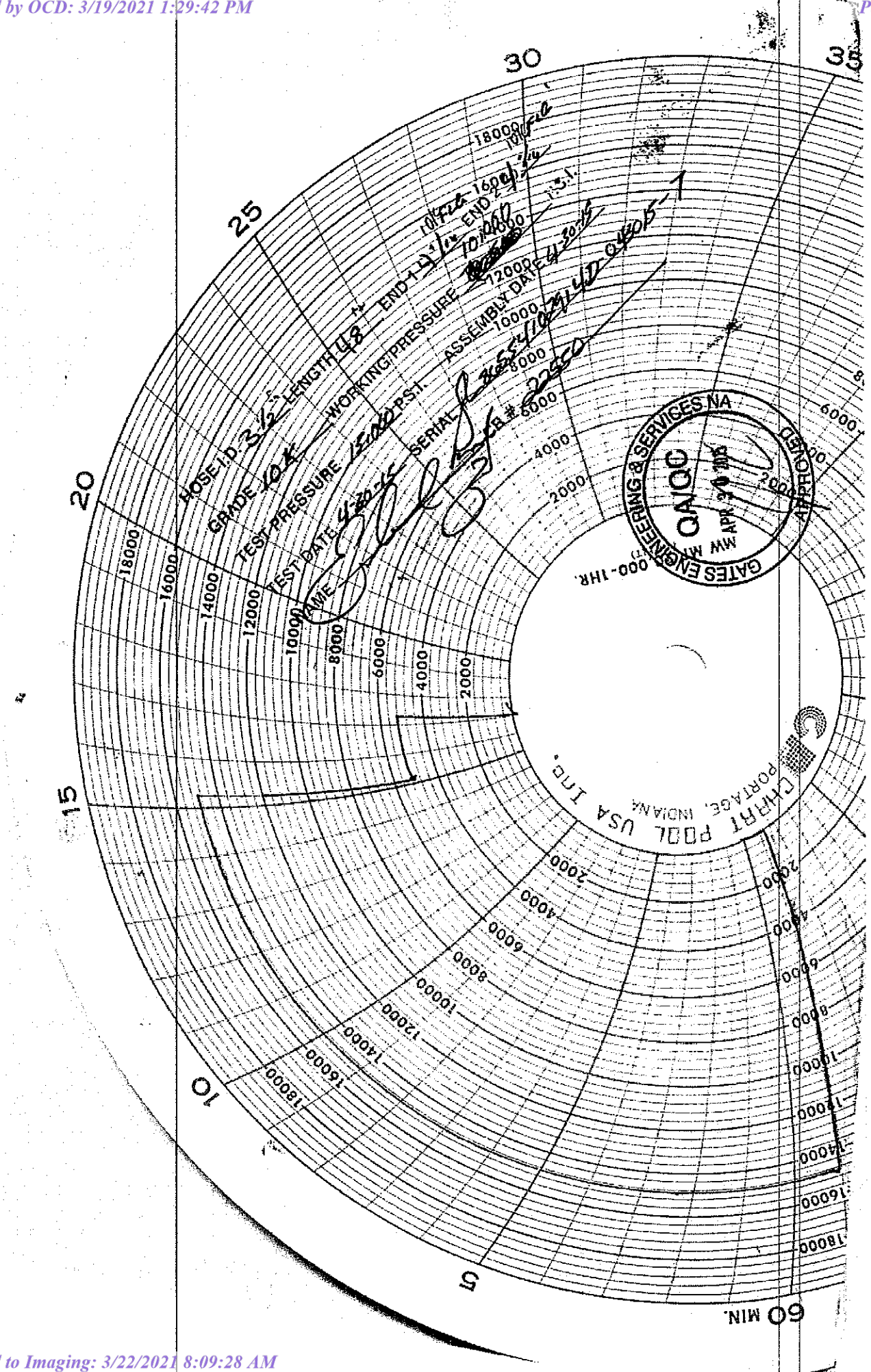
Product Description:	10K3.548.0CK4.1/1610KFLGE/E LE

End Fitting 1 :	4 1/16 10K FLG	End Fitting 2 :	4 1/16 10K FLG
Gates Part No. :	4773-6290	Assembly Code :	L36554102914D-043015-7
Working Pressure :	10,000 PSI	Test Pressure :	15,000 PSI

Gates E & S North America, Inc. certifies that the following hose assembly has been tested to the Gates Oilfield Roughneck Agreement/Specification requirements and passed the 15 minute hydrostatic test per API Spec 7K/Q1, Fifth Edition, June 2010, Test pressure 9.6.7 and per Table 9 to 15,000 psi in accordance with this product number. Hose burst pressure 9.6.7.2 exceeds the minimum of 2.5 times the working pressure per Table 9.

Quality Manager :	QUALITY	Produciton:	PRODUCTION
Date :	4/30/2015	Date :	4/30/2015
Signature :	Justin Cropper	Signature :	

Form-PTC - 01 Rev.0 2


HOSE I.D. 3 1/2"
LENGTH 48"
END 1
END 2
GRADE 10K
WORKING PRESSURE 10000 P.S.I.
TEST PRESSURE 15000 P.S.I.
ASSEMBLY DATE 4-30-15
TEST DATE 4-30-15
SERIAL
NAME
C.R. # 22560
GATES ENGINEERING & SERVICES NA
QA/QC
APPROVED
CHART POOL USA INC.
PORTAGE, INDIANA
60 MIN.
000-1HR.

GATES ENGINEERING & SERVICES NORTH AMERICA
7603 Prairie Oak Dr.
Houston, TX 77086

PHONE: (281) 602 - 4119
FAX:
EMAIL: Troy.Schmidt@gates.com
WEB: www.gates.com

10K CHOKE & KILL ASSEMBLY PRESSURE TEST CERTIFICATE

Customer:	A-7 AUSTIN INC DBA AUSTIN HOSE	Test Date:	8/20/2018
Customer Ref.:	4101901	Hose Serial No.:	H-082018-10
Invoice No.:	511956	Created By:	Moosa Naqvi

Product Description:	10KF3.035.0CK41/1610KFLGFXDxFLT L/E

End Fitting 1:	4 1/16 in. Fixed Flange	End Fitting 2:	4 1/16 in. Float Flange
Gates Part No.:	68503010-9721632	Assembly Code:	L40695052218H-082018-10
Working Pressure:	10,000 psi.	Test Pressure:	15,000 psi.

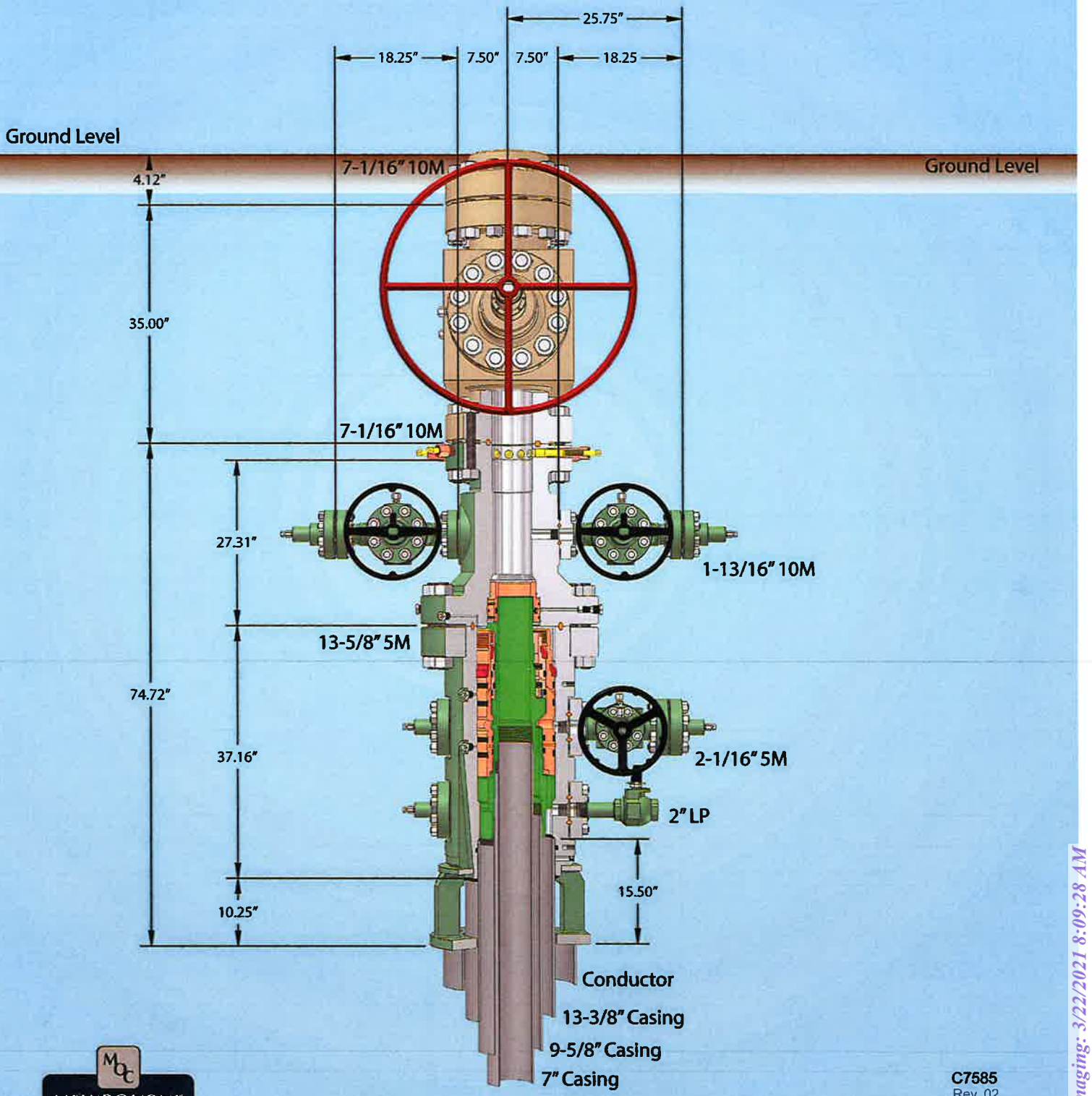
Gates Engineering & Services North America certifies that the following hose assembly has successfully passed all pressure testing requirements set forth in Gates specifications: GTS-04-052 (for 5K assemblies) or GTS-04-053 (10K assemblies), which include reference to Specification API 16C (2nd Edition); sections 7.5.4, 7.5.9, and 10.8.7. A test graph will accompany this test certificate to illustrate conformity to test requirements.

Quality:	QUALITY	Production:	PRODUCTION
Date :	8/20/2018	Date :	8/20/2018
Signature :	Moosa Naqvi	Signature :	

Form PTC - 01 Rev.0 2

CAMERON
A Schlumberger Company

13-5/8" MN-DS Wellhead System



MEWBOURNE OIL COMPANY

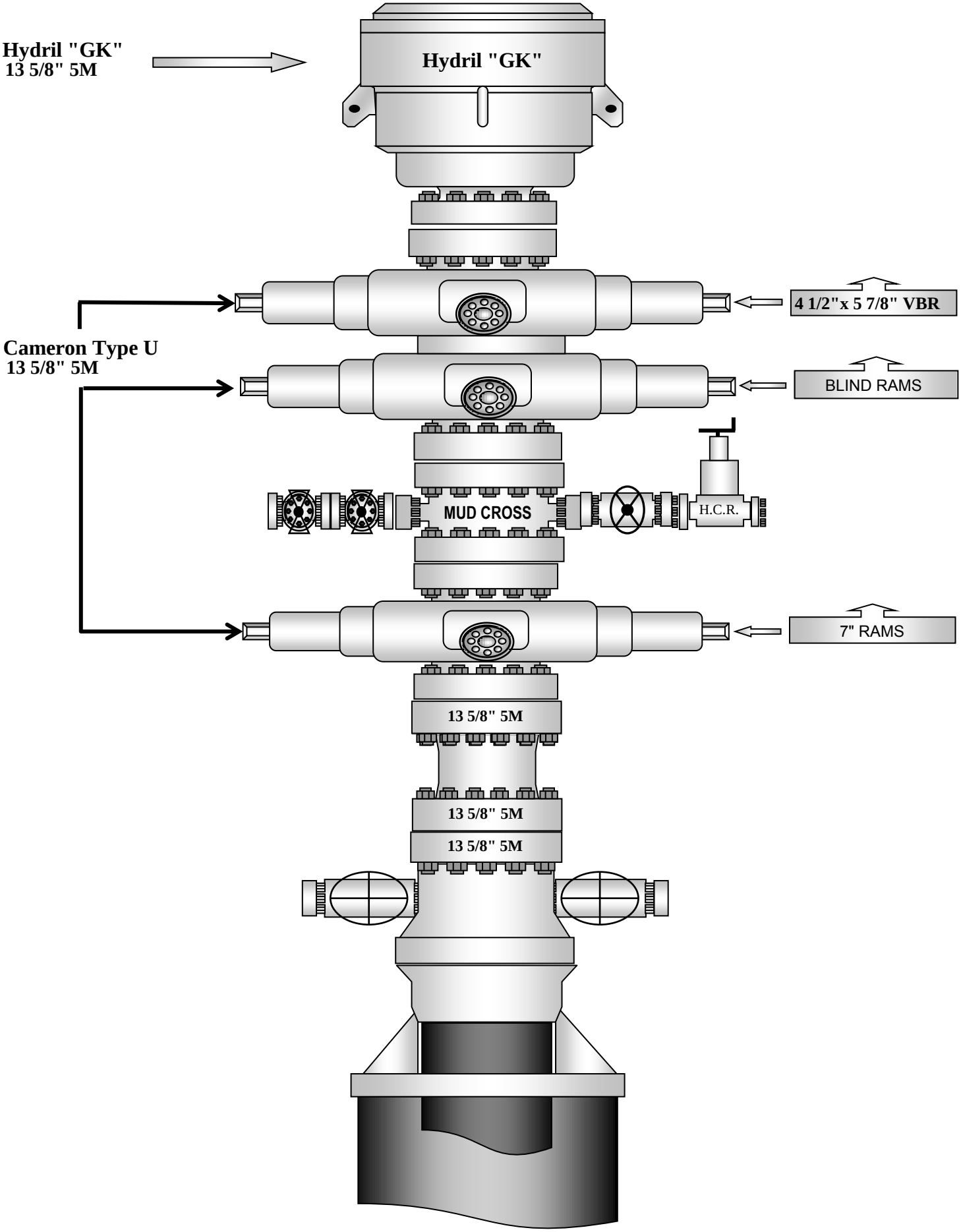
C7585
Rev. 02

NOTE: All dimensions on this drawing are estimated measurements and should be evaluated by engineering.

Capping flange 57" conductor cut-off

79

5M BOPE Schematic



Mewbourne Oil Company
Buffalo Trace 1/36 W1NC Fed Com #1H
Sec 12, T26S, R29E
SL: 460' FNL & 1275' FWL (Sec 12, T26S, R29E)
BHL: 330' FNL & 1460' FWL (Sec 36, T25S, R29E)

Hole Size	Casing Interval From	Casing Interval To	Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Jt Tension	SF Body Tension
17.5"	0'	950'	13.375"	48	H40	STC	1.73	3.88	6.88	11.56
12.25"	0'	3200'	9.625"	36	J55	LTC	1.21	2.12	3.93	4.90
8.75"	0'	10600'	7.625"	39	P110	FJ	2.13	2.43	1.85	2.98
6.125"	10139'	20915'	4.5"	13.5	P110	LTC	1.61	1.87	2.32	2.90
			BLM Minimum Safety Factor				1.125	1	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

Must have table for contingency casing

	Y or N
Is casing new? If used, attach certification as required in Onshore Order #1	Y
Is casing API approved? If no, attach casing specification sheet.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	N
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y
Will the pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
Is well located within Capitan Reef?	Y
If yes, does production casing cement tie back a minimum of 50' above the Reef?	
Is well within the designated 4 string boundary.	
Is well located in SOPA but not in R-111-P?	N
If yes, are the first 2 strings cemented to surface and 3rd string cement tied back 500' into previous casing?	
Is well located in R-111-P and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2nd string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

Mewbourne Oil Company
Buffalo Trace 1/36 W1NC Fed Com #1H
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Mewbourne Oil Company
Buffalo Trace 1/36 W1NC Fed Com #1H
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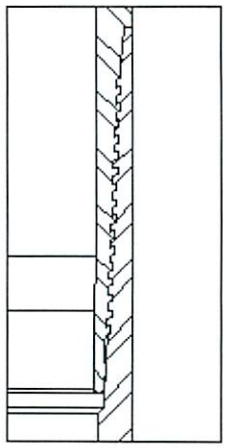
Technical Specifications

Connection Type:	Size(O.D.):	Weight (Wall):	Grade:
HD-L Casing STANDARD	7-5/8 in	39.00 lb/ft (0.5 in)	P-110

	Material
P-110	Grade
110,000	Minimum Yield Strength (psi.)
125,000	Minimum Ultimate Strength (psi.)
	Pipe Dimensions
7.625	Nominal Pipe Body O.D. (in.)
6.625	Nominal Pipe Body I.D. (in.)
0.500	Nominal Wall Thickness (in.)
39.00	Nominal Weight (lbs./ft.)
38.08	Plain End Weight (lbs./ft.)
11.192	Nominal Pipe Body Area (sq. in.)
	Pipe Body Performance Properties
1,231,000	Minimum Pipe Body Yield Strength (lbs.)
11,080	Minimum Collapse Pressure (psi.)
12,620	Minimum Internal Yield Pressure (psi.)
11,500	Hydrostatic Test Pressure (psi.)
	Connection Dimensions
7.625	Connection O.D. (in.)
6.551	Connection I.D. (in.)
6.500	Connection Drift Diameter (in.)
4.51	Make-up Loss (in.)
6.939	Critical Area (sq. in.)
62.0	Joint Efficiency (%)
	Connection Performance Properties
763,000 (1)	Joint Strength (lbs.)
867,000 (2)	Reference Minimum Parting Load (lbs.)
14,310	Reference String Length (ft) 1.4 Design Factor
763,000	Compression Rating (lbs.)
11,080	Collapse Pressure Rating (psi.)
12,620	Internal Pressure Rating (psi.)
41.0	Maximum Uniaxial Bend Rating [degrees/100 ft]
	Recommended Torque Values
8,500 (3)	Minimum Final Torque (ft.-lbs.)
9,800 (3)	Maximum Final Torque (ft.-lbs.)

VAM USA
4424 W. Sam Houston Pkwy. Suite 150
Houston, TX 77041
Phone: 713-479-3200
Fax: 713-479-3234
E-mail: VAMUSAsales@vam-usa.com



(1) Joint strength is the elastic limit or yield strength of the connection.
(2) Reference minimum parting load is the ultimate strength or parting load of the connection.
(3) Torque values are recommended and can be affected by field conditions.

11/28/2018 3:33 PM

Mewbourne Oil Company
Buffalo Trace 1/36 W1NC Fed Com #1H
Sec 12, T26S, R29E
SL: 460' FNL & 1275' FWL (Sec 12, T26S, R29E)
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Hydrogen Sulfide Drilling Operations Plan
Mewbourne Oil Company

1. General Requirements

Rule 118 does not apply to this well because MOC has researched this area and no high concentrations of H2S were found. MOC will have on location and working all H2S safety equipment before the Delaware formation for purposes of safety and insurance requirements.

2. Hydrogen Sulfide Training

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will have received training from a qualified instructor in the following areas prior to entering the drilling pad area of the well:

1. The hazards and characteristics of hydrogen sulfide gas.
2. The proper use of personal protective equipment and life support systems.
3. The proper use of hydrogen sulfide detectors, alarms, warning systems, briefing areas, evacuation procedures.
4. The proper techniques for first aid and rescue operations.

Additionally, supervisory personnel will be trained in the following areas:

1 The effects of hydrogen sulfide on metal components. If high tensile tubular systems are utilized, supervisory personnel will be trained in their special maintenance requirements.
2 Corrective action and shut in procedures, blowout prevention, and well control procedures while drilling a well.
3 The contents of the Hydrogen Sulfide Drilling Operations Plan.

There will be an initial training session prior to encountering a know hydrogen sulfide source. The initial training session shall include a review of the site specific Hydrogen Sulfide Drilling Operations Plan.

3. Hydrogen Sulfide Safety Equipment and Systems

All hydrogen sulfide safety equipment and systems will be installed, tested, and operational prior to drilling below the 9 5/8" intermediate casing.

1. Well Control Equipment
   - A. Choke manifold with minimum of one adjustable choke/remote choke.
   - B. Blowout preventers equipped with blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit
   - C. Auxiliary equipment including annular type blowout preventer.
2. Protective Equipment for Essential Personnel
   Thirty minute self contained work unit located in the dog house and at briefing areas.

Additionally: If H2S is encountered in concentrations less than 10 ppm, fans will be placed in work areas to prevent the accumulation of hazardous amounts of poisonous gas. If higher concentrations of H2S are detected the well will be shut in and a rotating head, mud/gas separator, remote choke and flare line with igniter will be installed.

3. Hydrogen Sulfide Protection and Monitoring Equipment
Two portable hydrogen sulfide monitors positioned on location for optimum coverage and detection. The units shall have audible sirens to notify personnel when hydrogen sulfide levels exceed 20 PPM.

4. Visual Warning Systems
A. Wind direction indicators as indicated on the wellsite diagram.
B. Caution signs shall be posted on roads providing access to location. Signs shall be painted a high visibility color with lettering of sufficient size to be readable at reasonable distances from potentially contaminated areas.

4. Mud Program

The mud program has been designed to minimize the amount of hydrogen sulfide entrained in the mud system. Proper mud weight, safe drilling practices, and the use of hydrogen sulfide scavengers will minimize hazards while drilling the well.

5. Metallurgy

All tubular systems, wellheads, blowout preventers, drilling spools, kill lines, choke manifolds, and valves shall be suitable for service in a hydrogen sulfide environment when chemically treated.

6. Communications

State & County Officials phone numbers are posted on rig floor and supervisors trailer. Communications in company vehicles and toolpushers are either two way radios or cellular phones.

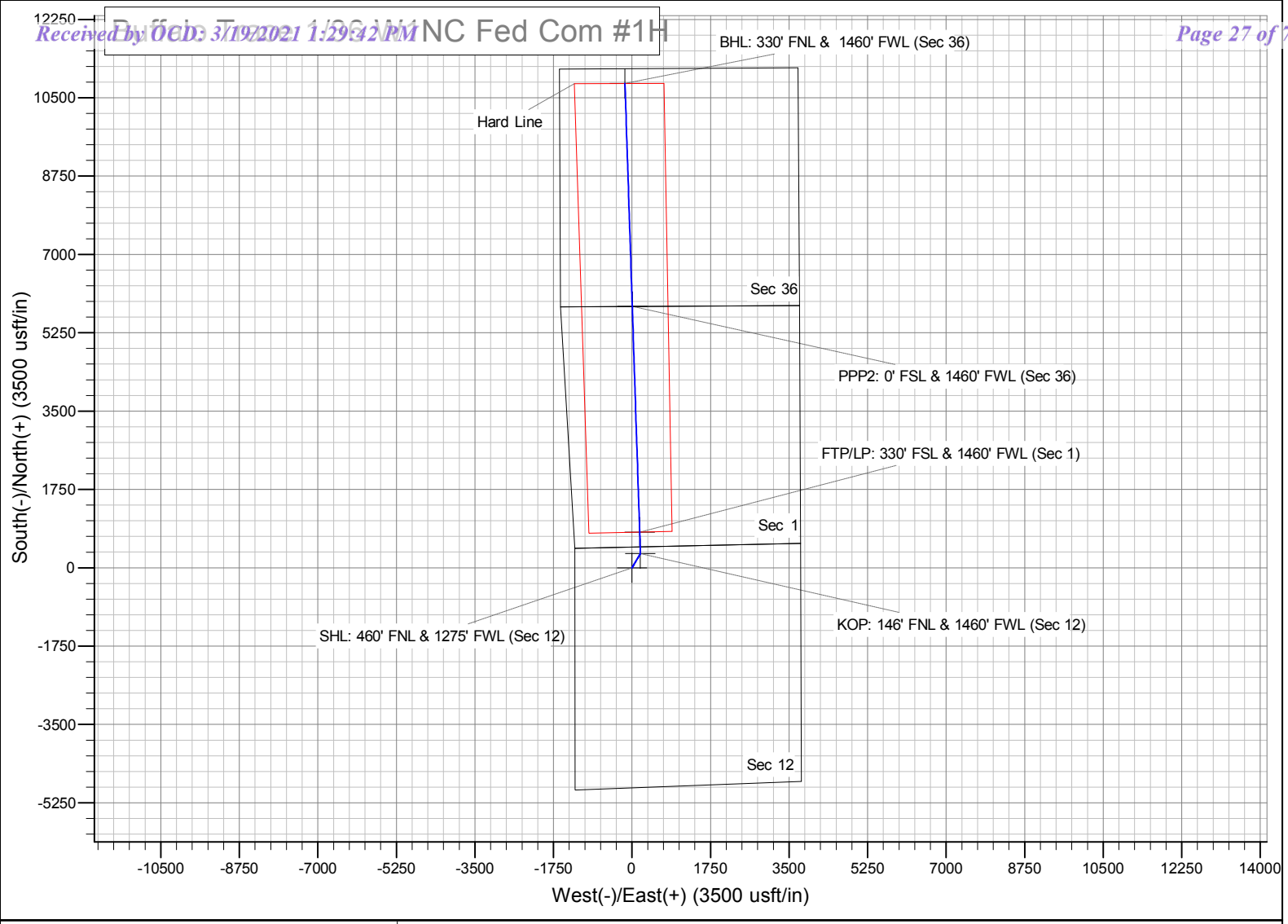
7. Well Testing

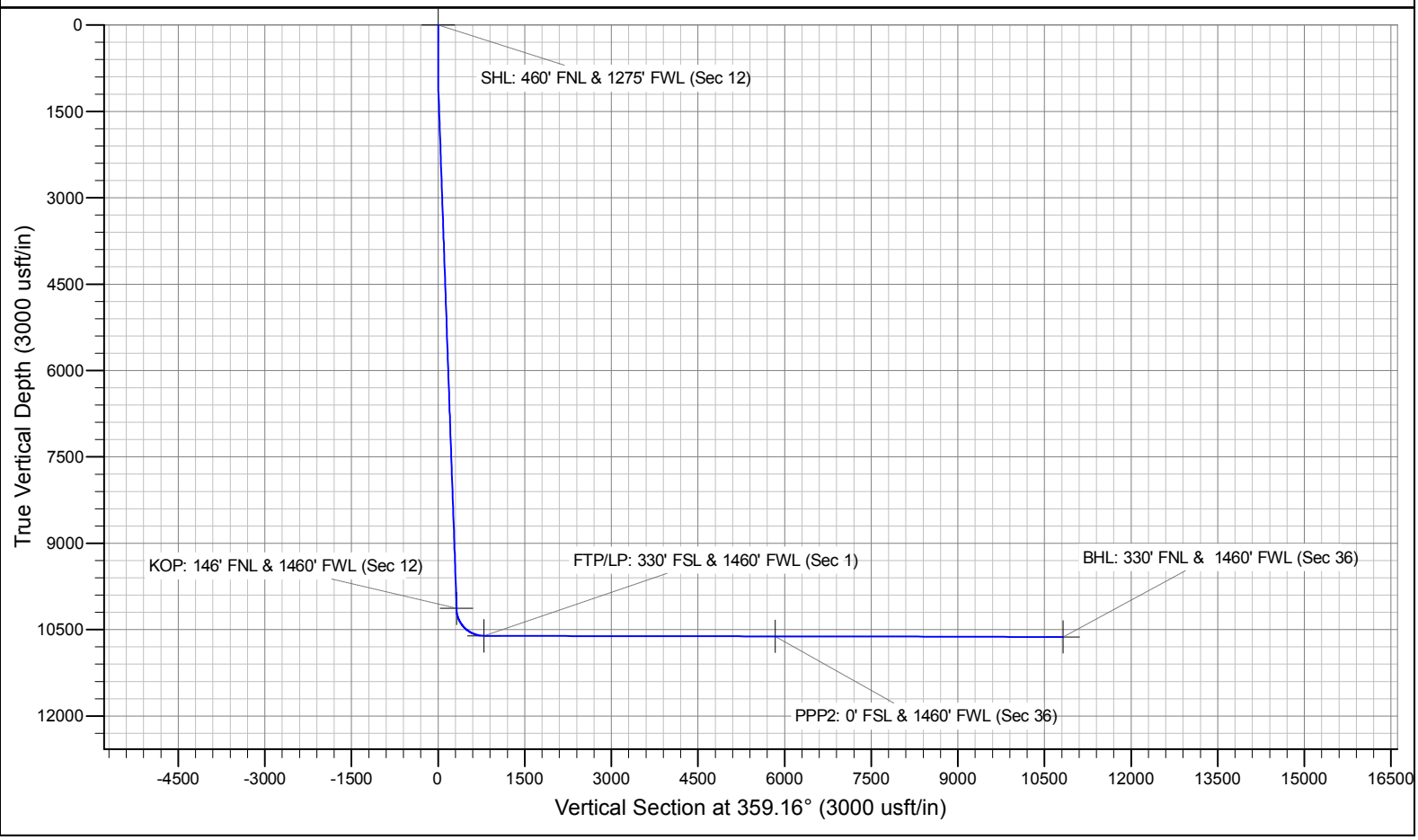
Drill stem testing is not an anticipated requirement for evaluation of this well. If a drill stem test is required, it will be conducted with a minimum number of personnel in the immediate vicinity. The test will be conducted during daylight hours only.

8. Emergency Phone Numbers

Eddy County Sheriff's Office	**911 or 575-887-7551**
Ambulance Service	**911 or 575-885-2111**
Carlsbad Fire Dept	**911 or 575-885-2111**
Loco Hills Volunteer Fire Dept.	**911 or 575-677-3266**
Closest Medical Facility - Columbia Medical Center of Carlsbad	**575-492-5000**

Mewbourne Oil Company	**Hobbs District Office**	**575-393-5905**
	Fax	**575-397-6252**
	2nd Fax	**575-393-7259**
District Manager	**Robin Terrell**	**575-390-4816**
Drilling Superintendent	**Frosty Lathan**	**575-390-4103**
	Bradley Bishop	**575-390-6838**
Drilling Foreman	**Wesley Noseff**	**575-441-0729**


Duffin Tract 1/36 W1NC Fed Com #1H
BHL: 330' FNL & 1460' FWL (Sec 36)
Hard Line
Sec 36
PPP2: 0' FSL & 1460' FWL (Sec 36)
FTP/LP: 330' FSL & 1460' FWL (Sec 1)
Sec 1
KOP: 146' FNL & 1460' FWL (Sec 12)
SHL: 460' FNL & 1275' FWL (Sec 12)
Sec 12
South(-)/North(+) (3500 usft/in)
West(-)/East(+) (3500 usft/in)


SHL: 460' FNL & 1275' FWL (Sec 12)
KOP: 146' FNL & 1460' FWL (Sec 12)
FTP/LP: 330' FSL & 1460' FWL (Sec 1)
BHL: 330' FNL & 1460' FWL (Sec 36)
PPP2: 0' FSL & 1460' FWL (Sec 36)
True Vertical Depth (3000 usft/in)
Vertical Section at 359.16° (3000 usft/in)

Mewbourne Oil Company

Eddy County, New Mexico NAD 83
Buffalo Trace 1/36 W1NC Fed Com #1H
Sec 12, T26S, R29E
SHL: 460' FNL & 1275' FWL, Sec 12
BHL: 330' FNL & 1460' FWL, Sec 36

Plan: Design #1

Standard Planning Report

28 April, 2020

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Buffalo Trace 1/36 W1NC Fed Com #1H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3025.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3025.0usft (Original Well Elev)
Site:	Buffalo Trace 1/36 W1NC Fed Com #1H	**North Reference:**	Grid
Well:	Sec 12, T26S, R29E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 330' FNL & 1460' FWL, Sec 36		
Design:	Design #1		

Project Eddy County, New Mexico NAD 83

Map System:	US State Plane 1983	**System Datum:**	Ground Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site Buffalo Trace 1/36 W1NC Fed Com #1H

Site Position:		**Northing:**	386,850.00 usft	**Latitude:**	32.0629244
From:	Map	**Easting:**	662,761.00 usft	**Longitude:**	-103.9413629
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.21 °

Well Sec 12, T26S, R29E

Well Position	**+N/-S**	0.0 usft	**Northing:**	386,850.00 usft	**Latitude:**	32.0629244
	+E/-W	0.0 usft	**Easting:**	662,761.00 usft	**Longitude:**	-103.9413629
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	3,025.0 usft	**Ground Level:**	2,997.0 usft

Wellbore BHL: 330' FNL & 1460' FWL, Sec 36

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/31/2014	7.31	59.89	48,103

Design Design #1

Audit Notes:

Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	359.16

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
975.0	0.00	0.00	975.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,131.1	2.34	30.19	1,131.0	2.8	1.6	1.50	1.50	0.00	30.19	
9,982.4	2.34	30.19	9,975.0	315.2	183.4	0.00	0.00	0.00	0.00	
10,138.5	0.00	0.00	10,131.0	318.0	185.0	1.50	-1.50	0.00	180.00	KOP: 146' FNL & 146
10,886.8	89.89	358.12	10,608.0	793.8	169.4	12.01	12.01	0.00	-1.88	
20,915.4	89.89	358.12	10,628.0	10,817.0	-159.0	0.00	0.00	0.00	0.00	BHL: 330' FNL & 146

Planning Report

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Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3025.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3025.0usft (Original Well Elev)
Site:	Buffalo Trace 1/36 W1NC Fed Com #1H	**North Reference:**	Grid
Well:	Sec 12, T26S, R29E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 330' FNL & 1460' FWL, Sec 36		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
SHL: 460' FNL & 1275' FWL (Sec 12)									
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
975.0	0.00	0.00	975.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.38	30.19	1,000.0	0.1	0.0	0.1	1.50	1.50	0.00
1,100.0	1.88	30.19	1,100.0	1.8	1.0	1.8	1.50	1.50	0.00
1,131.1	2.34	30.19	1,131.0	2.8	1.6	2.7	1.50	1.50	0.00
1,200.0	2.34	30.19	1,199.9	5.2	3.0	5.1	0.00	0.00	0.00
1,300.0	2.34	30.19	1,299.8	8.7	5.1	8.6	0.00	0.00	0.00
1,400.0	2.34	30.19	1,399.7	12.2	7.1	12.1	0.00	0.00	0.00
1,500.0	2.34	30.19	1,499.6	15.8	9.2	15.6	0.00	0.00	0.00
1,600.0	2.34	30.19	1,599.6	19.3	11.2	19.1	0.00	0.00	0.00
1,700.0	2.34	30.19	1,699.5	22.8	13.3	22.6	0.00	0.00	0.00
1,800.0	2.34	30.19	1,799.4	26.4	15.3	26.1	0.00	0.00	0.00
1,900.0	2.34	30.19	1,899.3	29.9	17.4	29.6	0.00	0.00	0.00
2,000.0	2.34	30.19	1,999.2	33.4	19.4	33.1	0.00	0.00	0.00
2,100.0	2.34	30.19	2,099.1	37.0	21.5	36.6	0.00	0.00	0.00
2,200.0	2.34	30.19	2,199.1	40.5	23.6	40.1	0.00	0.00	0.00
2,300.0	2.34	30.19	2,299.0	44.0	25.6	43.6	0.00	0.00	0.00
2,400.0	2.34	30.19	2,398.9	47.6	27.7	47.1	0.00	0.00	0.00
2,500.0	2.34	30.19	2,498.8	51.1	29.7	50.6	0.00	0.00	0.00
2,600.0	2.34	30.19	2,598.7	54.6	31.8	54.1	0.00	0.00	0.00
2,700.0	2.34	30.19	2,698.6	58.1	33.8	57.6	0.00	0.00	0.00
2,800.0	2.34	30.19	2,798.6	61.7	35.9	61.1	0.00	0.00	0.00
2,900.0	2.34	30.19	2,898.5	65.2	37.9	64.6	0.00	0.00	0.00
3,000.0	2.34	30.19	2,998.4	68.7	40.0	68.1	0.00	0.00	0.00
3,100.0	2.34	30.19	3,098.3	72.3	42.0	71.6	0.00	0.00	0.00
3,200.0	2.34	30.19	3,198.2	75.8	44.1	75.1	0.00	0.00	0.00
3,300.0	2.34	30.19	3,298.1	79.3	46.1	78.6	0.00	0.00	0.00
3,400.0	2.34	30.19	3,398.1	82.9	48.2	82.1	0.00	0.00	0.00
3,500.0	2.34	30.19	3,498.0	86.4	50.3	85.6	0.00	0.00	0.00
3,600.0	2.34	30.19	3,597.9	89.9	52.3	89.1	0.00	0.00	0.00
3,700.0	2.34	30.19	3,697.8	93.4	54.4	92.6	0.00	0.00	0.00
3,800.0	2.34	30.19	3,797.7	97.0	56.4	96.1	0.00	0.00	0.00
3,900.0	2.34	30.19	3,897.6	100.5	58.5	99.6	0.00	0.00	0.00
4,000.0	2.34	30.19	3,997.6	104.0	60.5	103.1	0.00	0.00	0.00
4,100.0	2.34	30.19	4,097.5	107.6	62.6	106.6	0.00	0.00	0.00
4,200.0	2.34	30.19	4,197.4	111.1	64.6	110.1	0.00	0.00	0.00
4,300.0	2.34	30.19	4,297.3	114.6	66.7	113.6	0.00	0.00	0.00
4,400.0	2.34	30.19	4,397.2	118.2	68.7	117.1	0.00	0.00	0.00
4,500.0	2.34	30.19	4,497.1	121.7	70.8	120.6	0.00	0.00	0.00
4,600.0	2.34	30.19	4,597.1	125.2	72.8	124.1	0.00	0.00	0.00
4,700.0	2.34	30.19	4,697.0	128.8	74.9	127.6	0.00	0.00	0.00
4,800.0	2.34	30.19	4,796.9	132.3	77.0	131.1	0.00	0.00	0.00
4,900.0	2.34	30.19	4,896.8	135.8	79.0	134.6	0.00	0.00	0.00
5,000.0	2.34	30.19	4,996.7	139.3	81.1	138.1	0.00	0.00	0.00

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Buffalo Trace 1/36 W1NC Fed Com #1H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3025.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3025.0usft (Original Well Elev)
Site:	Buffalo Trace 1/36 W1NC Fed Com #1H	**North Reference:**	Grid
Well:	Sec 12, T26S, R29E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 330' FNL & 1460' FWL, Sec 36		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,100.0	2.34	30.19	5,096.6	142.9	83.1	141.6	0.00	0.00	0.00
5,200.0	2.34	30.19	5,196.6	146.4	85.2	145.1	0.00	0.00	0.00
5,300.0	2.34	30.19	5,296.5	149.9	87.2	148.6	0.00	0.00	0.00
5,400.0	2.34	30.19	5,396.4	153.5	89.3	152.1	0.00	0.00	0.00
5,500.0	2.34	30.19	5,496.3	157.0	91.3	155.6	0.00	0.00	0.00
5,600.0	2.34	30.19	5,596.2	160.5	93.4	159.1	0.00	0.00	0.00
5,700.0	2.34	30.19	5,696.1	164.1	95.4	162.6	0.00	0.00	0.00
5,800.0	2.34	30.19	5,796.1	167.6	97.5	166.1	0.00	0.00	0.00
5,900.0	2.34	30.19	5,896.0	171.1	99.6	169.6	0.00	0.00	0.00
6,000.0	2.34	30.19	5,995.9	174.6	101.6	173.1	0.00	0.00	0.00
6,100.0	2.34	30.19	6,095.8	178.2	103.7	176.6	0.00	0.00	0.00
6,200.0	2.34	30.19	6,195.7	181.7	105.7	180.1	0.00	0.00	0.00
6,300.0	2.34	30.19	6,295.6	185.2	107.8	183.6	0.00	0.00	0.00
6,400.0	2.34	30.19	6,395.6	188.8	109.8	187.1	0.00	0.00	0.00
6,500.0	2.34	30.19	6,495.5	192.3	111.9	190.6	0.00	0.00	0.00
6,600.0	2.34	30.19	6,595.4	195.8	113.9	194.1	0.00	0.00	0.00
6,700.0	2.34	30.19	6,695.3	199.4	116.0	197.6	0.00	0.00	0.00
6,800.0	2.34	30.19	6,795.2	202.9	118.0	201.1	0.00	0.00	0.00
6,900.0	2.34	30.19	6,895.1	206.4	120.1	204.6	0.00	0.00	0.00
7,000.0	2.34	30.19	6,995.1	210.0	122.1	208.1	0.00	0.00	0.00
7,100.0	2.34	30.19	7,095.0	213.5	124.2	211.6	0.00	0.00	0.00
7,200.0	2.34	30.19	7,194.9	217.0	126.3	215.1	0.00	0.00	0.00
7,300.0	2.34	30.19	7,294.8	220.5	128.3	218.6	0.00	0.00	0.00
7,400.0	2.34	30.19	7,394.7	224.1	130.4	222.1	0.00	0.00	0.00
7,500.0	2.34	30.19	7,494.6	227.6	132.4	225.6	0.00	0.00	0.00
7,600.0	2.34	30.19	7,594.6	231.1	134.5	229.1	0.00	0.00	0.00
7,700.0	2.34	30.19	7,694.5	234.7	136.5	232.6	0.00	0.00	0.00
7,800.0	2.34	30.19	7,794.4	238.2	138.6	236.1	0.00	0.00	0.00
7,900.0	2.34	30.19	7,894.3	241.7	140.6	239.6	0.00	0.00	0.00
8,000.0	2.34	30.19	7,994.2	245.3	142.7	243.1	0.00	0.00	0.00
8,100.0	2.34	30.19	8,094.1	248.8	144.7	246.6	0.00	0.00	0.00
8,200.0	2.34	30.19	8,194.1	252.3	146.8	250.1	0.00	0.00	0.00
8,300.0	2.34	30.19	8,294.0	255.8	148.8	253.6	0.00	0.00	0.00
8,400.0	2.34	30.19	8,393.9	259.4	150.9	257.1	0.00	0.00	0.00
8,500.0	2.34	30.19	8,493.8	262.9	153.0	260.6	0.00	0.00	0.00
8,600.0	2.34	30.19	8,593.7	266.4	155.0	264.1	0.00	0.00	0.00
8,700.0	2.34	30.19	8,693.6	270.0	157.1	267.6	0.00	0.00	0.00
8,800.0	2.34	30.19	8,793.6	273.5	159.1	271.1	0.00	0.00	0.00
8,900.0	2.34	30.19	8,893.5	277.0	161.2	274.6	0.00	0.00	0.00
9,000.0	2.34	30.19	8,993.4	280.6	163.2	278.1	0.00	0.00	0.00
9,100.0	2.34	30.19	9,093.3	284.1	165.3	281.6	0.00	0.00	0.00
9,200.0	2.34	30.19	9,193.2	287.6	167.3	285.1	0.00	0.00	0.00
9,300.0	2.34	30.19	9,293.1	291.2	169.4	288.6	0.00	0.00	0.00
9,400.0	2.34	30.19	9,393.1	294.7	171.4	292.1	0.00	0.00	0.00
9,500.0	2.34	30.19	9,493.0	298.2	173.5	295.6	0.00	0.00	0.00
9,600.0	2.34	30.19	9,592.9	301.7	175.5	299.1	0.00	0.00	0.00
9,700.0	2.34	30.19	9,692.8	305.3	177.6	302.6	0.00	0.00	0.00
9,800.0	2.34	30.19	9,792.7	308.8	179.7	306.1	0.00	0.00	0.00
9,900.0	2.34	30.19	9,892.6	312.3	181.7	309.6	0.00	0.00	0.00
9,982.4	2.34	30.19	9,975.0	315.2	183.4	312.5	0.00	0.00	0.00
10,000.0	2.08	30.19	9,992.6	315.8	183.7	313.1	1.50	-1.50	0.00
10,100.0	0.58	30.19	10,092.5	317.8	184.9	315.1	1.50	-1.50	0.00
10,138.5	0.00	0.00	10,131.0	318.0	185.0	315.2	1.50	-1.50	0.00

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Buffalo Trace 1/36 W1NC Fed Com #1H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3025.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3025.0usft (Original Well Elev)
Site:	Buffalo Trace 1/36 W1NC Fed Com #1H	**North Reference:**	Grid
Well:	Sec 12, T26S, R29E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 330' FNL & 1460' FWL, Sec 36		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
KOP: 146' FNL & 1460' FWL (Sec 12)									
10,200.0	7.39	358.12	10,192.4	322.0	184.9	319.2	12.01	12.01	0.00
10,300.0	19.40	358.12	10,289.5	345.1	184.1	342.3	12.01	12.01	0.00
10,400.0	31.41	358.12	10,379.6	387.9	182.7	385.2	12.01	12.01	0.00
10,500.0	43.43	358.12	10,458.9	448.5	180.7	445.8	12.01	12.01	0.00
10,600.0	55.44	358.12	10,523.8	524.3	178.2	521.6	12.01	12.01	0.00
10,700.0	67.45	358.12	10,571.5	611.9	175.4	609.3	12.01	12.01	0.00
10,800.0	79.46	358.12	10,600.0	707.5	172.2	704.9	12.01	12.01	0.00
10,886.8	89.89	358.12	10,608.0	793.8	169.4	791.2	12.01	12.01	0.00
FTP/LP: 330' FSL & 1460' FWL (Sec 1)									
10,900.0	89.89	358.12	10,608.0	807.0	169.0	804.4	0.00	0.00	0.00
11,000.0	89.89	358.12	10,608.2	906.9	165.7	904.4	0.00	0.00	0.00
11,100.0	89.89	358.12	10,608.4	1,006.9	162.4	1,004.4	0.00	0.00	0.00
11,200.0	89.89	358.12	10,608.6	1,106.8	159.2	1,104.4	0.00	0.00	0.00
11,300.0	89.89	358.12	10,608.8	1,206.8	155.9	1,204.4	0.00	0.00	0.00
11,400.0	89.89	358.12	10,609.0	1,306.7	152.6	1,304.3	0.00	0.00	0.00
11,500.0	89.89	358.12	10,609.2	1,406.7	149.3	1,404.3	0.00	0.00	0.00
11,600.0	89.89	358.12	10,609.4	1,506.6	146.1	1,504.3	0.00	0.00	0.00
11,700.0	89.89	358.12	10,609.6	1,606.6	142.8	1,604.3	0.00	0.00	0.00
11,800.0	89.89	358.12	10,609.8	1,706.5	139.5	1,704.3	0.00	0.00	0.00
11,900.0	89.89	358.12	10,610.0	1,806.5	136.2	1,804.3	0.00	0.00	0.00
12,000.0	89.89	358.12	10,610.2	1,906.4	133.0	1,904.2	0.00	0.00	0.00
12,100.0	89.89	358.12	10,610.4	2,006.3	129.7	2,004.2	0.00	0.00	0.00
12,200.0	89.89	358.12	10,610.6	2,106.3	126.4	2,104.2	0.00	0.00	0.00
12,300.0	89.89	358.12	10,610.8	2,206.2	123.1	2,204.2	0.00	0.00	0.00
12,400.0	89.89	358.12	10,611.0	2,306.2	119.9	2,304.2	0.00	0.00	0.00
12,500.0	89.89	358.12	10,611.2	2,406.1	116.6	2,404.2	0.00	0.00	0.00
12,600.0	89.89	358.12	10,611.4	2,506.1	113.3	2,504.1	0.00	0.00	0.00
12,700.0	89.89	358.12	10,611.6	2,606.0	110.0	2,604.1	0.00	0.00	0.00
12,800.0	89.89	358.12	10,611.8	2,706.0	106.8	2,704.1	0.00	0.00	0.00
12,900.0	89.89	358.12	10,612.0	2,805.9	103.5	2,804.1	0.00	0.00	0.00
13,000.0	89.89	358.12	10,612.2	2,905.9	100.2	2,904.1	0.00	0.00	0.00
13,100.0	89.89	358.12	10,612.4	3,005.8	96.9	3,004.1	0.00	0.00	0.00
13,200.0	89.89	358.12	10,612.6	3,105.8	93.7	3,104.0	0.00	0.00	0.00
13,300.0	89.89	358.12	10,612.8	3,205.7	90.4	3,204.0	0.00	0.00	0.00
13,400.0	89.89	358.12	10,613.0	3,305.6	87.1	3,304.0	0.00	0.00	0.00
13,500.0	89.89	358.12	10,613.2	3,405.6	83.8	3,404.0	0.00	0.00	0.00
13,600.0	89.89	358.12	10,613.4	3,505.5	80.6	3,504.0	0.00	0.00	0.00
13,700.0	89.89	358.12	10,613.6	3,605.5	77.3	3,604.0	0.00	0.00	0.00
13,800.0	89.89	358.12	10,613.8	3,705.4	74.0	3,703.9	0.00	0.00	0.00
13,900.0	89.89	358.12	10,614.0	3,805.4	70.7	3,803.9	0.00	0.00	0.00
14,000.0	89.89	358.12	10,614.2	3,905.3	67.5	3,903.9	0.00	0.00	0.00
14,100.0	89.89	358.12	10,614.4	4,005.3	64.2	4,003.9	0.00	0.00	0.00
14,200.0	89.89	358.12	10,614.6	4,105.2	60.9	4,103.9	0.00	0.00	0.00
14,300.0	89.89	358.12	10,614.8	4,205.2	57.6	4,203.9	0.00	0.00	0.00
14,400.0	89.89	358.12	10,615.0	4,305.1	54.4	4,303.8	0.00	0.00	0.00
14,500.0	89.89	358.12	10,615.2	4,405.1	51.1	4,403.8	0.00	0.00	0.00
14,600.0	89.89	358.12	10,615.4	4,505.0	47.8	4,503.8	0.00	0.00	0.00
14,700.0	89.89	358.12	10,615.6	4,604.9	44.5	4,603.8	0.00	0.00	0.00
14,800.0	89.89	358.12	10,615.8	4,704.9	41.3	4,703.8	0.00	0.00	0.00
14,900.0	89.89	358.12	10,616.0	4,804.8	38.0	4,803.8	0.00	0.00	0.00
15,000.0	89.89	358.12	10,616.2	4,904.8	34.7	4,903.7	0.00	0.00	0.00
15,100.0	89.89	358.12	10,616.4	5,004.7	31.4	5,003.7	0.00	0.00	0.00
15,200.0	89.89	358.12	10,616.6	5,104.7	28.2	5,103.7	0.00	0.00	0.00

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Buffalo Trace 1/36 W1NC Fed Com #1H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3025.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3025.0usft (Original Well Elev)
Site:	Buffalo Trace 1/36 W1NC Fed Com #1H	**North Reference:**	Grid
Well:	Sec 12, T26S, R29E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 330' FNL & 1460' FWL, Sec 36		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,300.0	89.89	358.12	10,616.8	5,204.6	24.9	5,203.7	0.00	0.00	0.00
15,400.0	89.89	358.12	10,617.0	5,304.6	21.6	5,303.7	0.00	0.00	0.00
15,500.0	89.89	358.12	10,617.2	5,404.5	18.3	5,403.7	0.00	0.00	0.00
15,600.0	89.89	358.12	10,617.4	5,504.5	15.1	5,503.6	0.00	0.00	0.00
15,700.0	89.89	358.12	10,617.6	5,604.4	11.8	5,603.6	0.00	0.00	0.00
15,800.0	89.89	358.12	10,617.8	5,704.4	8.5	5,703.6	0.00	0.00	0.00
15,900.0	89.89	358.12	10,618.0	5,804.3	5.2	5,803.6	0.00	0.00	0.00
15,931.7	89.89	358.12	10,618.1	5,836.0	4.2	5,835.3	0.00	0.00	0.00
PPP2: 0' FSL & 1460' FWL (Sec 36)									
16,000.0	89.89	358.12	10,618.2	5,904.2	2.0	5,903.6	0.00	0.00	0.00
16,100.0	89.89	358.12	10,618.4	6,004.2	-1.3	6,003.6	0.00	0.00	0.00
16,200.0	89.89	358.12	10,618.6	6,104.1	-4.6	6,103.5	0.00	0.00	0.00
16,300.0	89.89	358.12	10,618.8	6,204.1	-7.9	6,203.5	0.00	0.00	0.00
16,400.0	89.89	358.12	10,619.0	6,304.0	-11.1	6,303.5	0.00	0.00	0.00
16,500.0	89.89	358.12	10,619.2	6,404.0	-14.4	6,403.5	0.00	0.00	0.00
16,600.0	89.89	358.12	10,619.4	6,503.9	-17.7	6,503.5	0.00	0.00	0.00
16,700.0	89.89	358.12	10,619.6	6,603.9	-21.0	6,603.5	0.00	0.00	0.00
16,800.0	89.89	358.12	10,619.8	6,703.8	-24.2	6,703.5	0.00	0.00	0.00
16,900.0	89.89	358.12	10,620.0	6,803.8	-27.5	6,803.4	0.00	0.00	0.00
17,000.0	89.89	358.12	10,620.2	6,903.7	-30.8	6,903.4	0.00	0.00	0.00
17,100.0	89.89	358.12	10,620.4	7,003.7	-34.1	7,003.4	0.00	0.00	0.00
17,200.0	89.89	358.12	10,620.6	7,103.6	-37.3	7,103.4	0.00	0.00	0.00
17,300.0	89.89	358.12	10,620.8	7,203.5	-40.6	7,203.4	0.00	0.00	0.00
17,400.0	89.89	358.12	10,621.0	7,303.5	-43.9	7,303.4	0.00	0.00	0.00
17,500.0	89.89	358.12	10,621.2	7,403.4	-47.2	7,403.3	0.00	0.00	0.00
17,600.0	89.89	358.12	10,621.4	7,503.4	-50.4	7,503.3	0.00	0.00	0.00
17,700.0	89.89	358.12	10,621.6	7,603.3	-53.7	7,603.3	0.00	0.00	0.00
17,800.0	89.89	358.12	10,621.8	7,703.3	-57.0	7,703.3	0.00	0.00	0.00
17,900.0	89.89	358.12	10,622.0	7,803.2	-60.3	7,803.3	0.00	0.00	0.00
18,000.0	89.89	358.12	10,622.2	7,903.2	-63.5	7,903.3	0.00	0.00	0.00
18,100.0	89.89	358.12	10,622.4	8,003.1	-66.8	8,003.2	0.00	0.00	0.00
18,200.0	89.89	358.12	10,622.6	8,103.1	-70.1	8,103.2	0.00	0.00	0.00
18,300.0	89.89	358.12	10,622.8	8,203.0	-73.4	8,203.2	0.00	0.00	0.00
18,400.0	89.89	358.12	10,623.0	8,303.0	-76.6	8,303.2	0.00	0.00	0.00
18,500.0	89.89	358.12	10,623.2	8,402.9	-79.9	8,403.2	0.00	0.00	0.00
18,600.0	89.89	358.12	10,623.4	8,502.8	-83.2	8,503.2	0.00	0.00	0.00
18,700.0	89.89	358.12	10,623.6	8,602.8	-86.5	8,603.1	0.00	0.00	0.00
18,800.0	89.89	358.12	10,623.8	8,702.7	-89.7	8,703.1	0.00	0.00	0.00
18,900.0	89.89	358.12	10,624.0	8,802.7	-93.0	8,803.1	0.00	0.00	0.00
19,000.0	89.89	358.12	10,624.2	8,902.6	-96.3	8,903.1	0.00	0.00	0.00
19,100.0	89.89	358.12	10,624.4	9,002.6	-99.6	9,003.1	0.00	0.00	0.00
19,200.0	89.89	358.12	10,624.6	9,102.5	-102.8	9,103.1	0.00	0.00	0.00
19,300.0	89.89	358.12	10,624.8	9,202.5	-106.1	9,203.0	0.00	0.00	0.00
19,400.0	89.89	358.12	10,625.0	9,302.4	-109.4	9,303.0	0.00	0.00	0.00
19,500.0	89.89	358.12	10,625.2	9,402.4	-112.6	9,403.0	0.00	0.00	0.00
19,600.0	89.89	358.12	10,625.4	9,502.3	-115.9	9,503.0	0.00	0.00	0.00
19,700.0	89.89	358.12	10,625.6	9,602.3	-119.2	9,603.0	0.00	0.00	0.00
19,800.0	89.89	358.12	10,625.8	9,702.2	-122.5	9,703.0	0.00	0.00	0.00
19,900.0	89.89	358.12	10,626.0	9,802.1	-125.7	9,802.9	0.00	0.00	0.00
20,000.0	89.89	358.12	10,626.2	9,902.1	-129.0	9,902.9	0.00	0.00	0.00
20,100.0	89.89	358.12	10,626.4	10,002.0	-132.3	10,002.9	0.00	0.00	0.00
20,200.0	89.89	358.12	10,626.6	10,102.0	-135.6	10,102.9	0.00	0.00	0.00
20,300.0	89.89	358.12	10,626.8	10,201.9	-138.8	10,202.9	0.00	0.00	0.00

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Buffalo Trace 1/36 W1NC Fed Com #1H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3025.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3025.0usft (Original Well Elev)
Site:	Buffalo Trace 1/36 W1NC Fed Com #1H	**North Reference:**	Grid
Well:	Sec 12, T26S, R29E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 330' FNL & 1460' FWL, Sec 36		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
20,400.0	89.89	358.12	10,627.0	10,301.9	-142.1	10,302.9	0.00	0.00	0.00
20,500.0	89.89	358.12	10,627.2	10,401.8	-145.4	10,402.8	0.00	0.00	0.00
20,600.0	89.89	358.12	10,627.4	10,501.8	-148.7	10,502.8	0.00	0.00	0.00
20,700.0	89.89	358.12	10,627.6	10,601.7	-151.9	10,602.8	0.00	0.00	0.00
20,800.0	89.89	358.12	10,627.8	10,701.7	-155.2	10,702.8	0.00	0.00	0.00
20,900.0	89.89	358.12	10,628.0	10,801.6	-158.5	10,802.8	0.00	0.00	0.00
20,915.4	89.89	358.12	10,628.0	10,817.0	-159.0	10,818.2	0.00	0.00	0.00
BHL: 330' FNL & 1460' FWL (Sec 36)									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL: 460' FNL & 1275' F - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	386,850.00	662,761.00	32.0629244	-103.9413629
KOP: 146' FNL & 1460' I - plan hits target center - Point	0.00	0.00	10,131.0	318.0	185.0	387,168.00	662,946.00	32.0637967	-103.9407620
FTP/LP: 330' FSL & 146 - plan hits target center - Point	0.00	0.00	10,608.0	793.8	169.4	387,643.80	662,930.40	32.0651048	-103.9408068
PPP2: 0' FSL & 1460' FV - plan hits target center - Point	0.00	0.00	10,618.1	5,836.0	4.2	392,686.00	662,765.21	32.0789670	-103.9412809
BHL: 330' FNL & 1460' - plan hits target center - Point	0.00	0.00	10,628.0	10,817.0	-159.0	397,667.00	662,602.00	32.0926609	-103.9417495

Intent ☐ As Drilled ☐

API #

Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County

Latitude	Longitude	NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County

Latitude	Longitude	NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County

Latitude	Longitude	NAD

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

Is this well an infill well? ☐

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

API #

Operator Name:	Property Name:	Well Number

KZ 06/29/2018

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

SUPO Data Report
04/30/2020

APD ID: 10400052995
Submission Date: 04/29/2020
Operator Name: MEWBOURNE OIL COMPANY
Well Name: BUFFALO TRACE 1/36 W1NC FED COM
Well Number: 1H
Well Type: CONVENTIONAL GAS WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

BuffaloTrace1_36W1NCFedCom1H_existingroadmap_20200107144004.pdf

Existing Road Purpose: ACCESS,FLUID TRANSPORT

Row(s) Exist? NO

ROW ID(s)

ID:

Do the existing roads need to be improved? NO

Existing Road Improvement Description:

Existing Road Improvement Attachment:

Section 2 - New or Reconstructed Access Roads

Will new roads be needed? YES

New Road Map:

BuffaloTrace1_36W1NCFedCom1H_newroadmap_20200107144018.pdf

New road type: RESOURCE

Length: 361.84 Feet

Width (ft.): 30

Max slope (%): 3

Max grade (%): 3

Army Corp of Engineers (ACOE) permit required? N

ACOE Permit Number(s):

New road travel width: 14

New road access erosion control: None

New road access plan or profile prepared? N

New road access plan attachment:

Access road engineering design? N

Access road engineering design attachment:

Operator Name: MEWBOURNE OIL COMPANY

Well Name: BUFFALO TRACE 1/36 W1NC FED COM **Well Number:** 1H

Turnout? N

Access surfacing type: OTHER

Access topsoil source: OFFSITE

Access surfacing type description: Caliche

Access onsite topsoil source depth:

Offsite topsoil source description: Topsoil will be on edge of lease road.

Onsite topsoil removal process:

Access other construction information: None

Access miscellaneous information: None

Number of access turnouts: **Access turnout map:**

Drainage Control

New road drainage crossing: OTHER

Drainage Control comments: None

Road Drainage Control Structures (DCS) description: None

Road Drainage Control Structures (DCS) attachment:

Access Additional Attachments

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Attach Well map:

BuffaloTrace1_36W1NCFedCom1H_existingwellmap_20200107144037.pdf

Section 4 - Location of Existing and/or Proposed Production Facilities

Submit or defer a Proposed Production Facilities plan? SUBMIT

Production Facilities description: Battery will be to the West.

Production Facilities map:

BuffaloTrace1_36W1NCFedCom1H_productionfacilitymap_20200107144054.pdf

Section 5 - Location and Types of Water Supply

Water Source Table

Operator Name: MEWBOURNE OIL COMPANY

Well Name: BUFFALO TRACE 1/36 W1NC FED COM **Well Number:** 1H

Water source type: IRRIGATION

Water source use type: SURFACE CASING
STIMULATION
DUST CONTROL
INTERMEDIATE/PRODUCTION CASING

Source latitude: 31.998123 **Source longitude:** -103.94242

Source datum: NAD83

Water source permit type: WATER WELL

Water source transport method: TRUCKING

Source land ownership: PRIVATE

Source transportation land ownership: COMMERCIAL

Water source volume (barrels): 2014 **Source volume (acre-feet):** 0.2595907

Source volume (gal): 84588

Water source type: IRRIGATION

Water source use type: SURFACE CASING
STIMULATION
DUST CONTROL
INTERMEDIATE/PRODUCTION CASING

Source latitude: 32.04928 **Source longitude:** -104.05763

Source datum: NAD83

Water source permit type: WATER WELL

Water source transport method: TRUCKING

Source land ownership: FEDERAL

Source transportation land ownership: COMMERCIAL

Water source volume (barrels): 2014 **Source volume (acre-feet):** 0.2595907

Source volume (gal): 84588

Operator Name: MEWBOURNE OIL COMPANY

Well Name: BUFFALO TRACE 1/36 W1NC FED COM **Well Number:** 1H

Water source and transportation map:

BuffaloTrace1_36W1NCFedCom1H_watersourceandtransmap_20200107144109.pdf

Water source comments: BOTH SOURCES SHOWN ON ONE MAP

New water well? N

New Water Well Info

Well latitude: **Well Longitude:** **Well datum:**

Well target aquifer:

Est. depth to top of aquifer(ft): **Est thickness of aquifer:**

Aquifer comments:

Aquifer documentation:

Well depth (ft): **Well casing type:**

Well casing outside diameter (in.): **Well casing inside diameter (in.):**

New water well casing? **Used casing source:**

Drilling method: **Drill material:**

Grout material: **Grout depth:**

Casing length (ft.): **Casing top depth (ft.):**

Well Production type: **Completion Method:**

Water well additional information:

State appropriation permit:

Additional information attachment:

Section 6 - Construction Materials

Using any construction materials: YES

Construction Materials description: Caliche - both sources shown on one map.

Construction Materials source location attachment:

BuffaloTrace1_36W1NCFedCom1H_calichesourceandtransmap_20200107144129.pdf

Section 7 - Methods for Handling Waste

Waste type: SEWAGE

Waste content description: Human waste & grey water

Amount of waste: 1500 gallons

Waste disposal frequency : Weekly

Safe containment description: 2,000 gallon plastic container

Safe containmant attachment:

Operator Name: MEWBOURNE OIL COMPANY

Well Name: BUFFALO TRACE 1/36 W1NC FED COM **Well Number:** 1H

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** PRIVATE
Disposal type description:

Disposal location description: City of Carlsbad Water Treatment facility

Waste type: DRILLING

Waste content description: Drill cuttings

Amount of waste: 940 barrels

Waste disposal frequency : One Time Only

Safe containment description: Drill cuttings will be properly contained in steel tanks (20 yard roll off bins.)

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** PRIVATE
Disposal type description:

Disposal location description: NMOCD approved waste disposal locations are CRI or Lea Land, both facilities are located on HWY 62/180, Sec. 27 T20S R32E.

Waste type: GARBAGE

Waste content description: Garbage & trash

Amount of waste: 1500 pounds

Waste disposal frequency : One Time Only

Safe containment description: Enclosed trash trailer

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** PRIVATE
Disposal type description:

Disposal location description: Waste Management facility in Carlsbad.

Reserve Pit

Reserve Pit being used? NO

Temporary disposal of produced water into reserve pit? NO

Reserve pit length (ft.) **Reserve pit width (ft.)**

Reserve pit depth (ft.) **Reserve pit volume (cu. yd.)**

Is at least 50% of the reserve pit in cut?

Reserve pit liner

Reserve pit liner specifications and installation description

Operator Name: MEWBOURNE OIL COMPANY

Well Name: BUFFALO TRACE 1/36 W1NC FED COM **Well Number:** 1H

Cuttings Area

Cuttings Area being used? NO

Are you storing cuttings on location? N

Description of cuttings location

Cuttings area length (ft.)

Cuttings area width (ft.)

Cuttings area depth (ft.)

Cuttings area volume (cu. yd.)

Is at least 50% of the cuttings area in cut?

WCuttings area liner

Cuttings area liner specifications and installation description

Section 8 - Ancillary Facilities

Are you requesting any Ancillary Facilities?: N

Ancillary Facilities attachment:

Comments:

Section 9 - Well Site Layout

Well Site Layout Diagram:

BuffaloTrace1_36W1NCFedCom1H_wellsitelayout_20200107144142.pdf

Comments:

Section 10 - Plans for Surface Reclamation

Type of disturbance: New Surface Disturbance

Multiple Well Pad Name: Buffalo Trace 1/36 MD & NC Fed Com wells

Multiple Well Pad Number: 4

Recontouring attachment:

Drainage/Erosion control construction: None

Drainage/Erosion control reclamation: None

Operator Name: MEWBOURNE OIL COMPANY

Well Name: BUFFALO TRACE 1/36 W1NC FED COM **Well Number:** 1H

Well pad proposed disturbance (acres): 6.83
Road proposed disturbance (acres): 0.25
Powerline proposed disturbance (acres): 0
Pipeline proposed disturbance (acres): 0
Other proposed disturbance (acres): 0
Total proposed disturbance: 7.08

Well pad interim reclamation (acres): 1.6
Road interim reclamation (acres): 0
Powerline interim reclamation (acres): 0
Pipeline interim reclamation (acres): 0
Other interim reclamation (acres): 0
Total interim reclamation: 1.6

Well pad long term disturbance (acres): 5.23
Road long term disturbance (acres): 0
Powerline long term disturbance (acres): 0
Pipeline long term disturbance (acres): 0
Other long term disturbance (acres): 0
Total long term disturbance: 5.23

Disturbance Comments: In areas to be heavily disturbed, the top 6 inches of soil material, will be stripped and stockpiled on the perimeter of the well location to keep topsoil viable, and to make redistribution of topsoil more efficient during interim reclamation. Stockpiled topsoil should include vegetative material. Topsoil will be clearly segregated and stored separately from subsoils. Contaminated soil will not be stockpiled, but properly treated and handled prior to topsoil salvaging.
Reconstruction method: The areas planned for interim reclamation will then be recontoured to the original contour if feasible, or if not feasible, to an interim contour that blends with the surrounding topography as much as possible. Where applicable, the fill material of the well pad will be backfilled into the cut to bring the area back to the original contour. The interim cut and fill slopes prior to re-seeding will not be steeper than a 3:1 ratio, unless the adjacent native topography is steeper. Note: Constructed slopes may be much steeper during drilling, but will be recontoured to the above ratios during interim reclamation.
Topsoil redistribution: Topsoil will be evenly respread and aggressively revegetated over the entire disturbed area not needed for all-weather operations including cuts & fills. To seed the area, the proper BLM seed mixture, free of noxious weeds, will be used.
Soil treatment: NA

Existing Vegetation at the well pad: Various brush & grasses

Existing Vegetation at the well pad attachment:

Existing Vegetation Community at the road: Various brush & grasses

Existing Vegetation Community at the road attachment:

Existing Vegetation Community at the pipeline: NA

Existing Vegetation Community at the pipeline attachment:

Existing Vegetation Community at other disturbances: NA

Existing Vegetation Community at other disturbances attachment:

Non native seed used? N

Non native seed description:

Seedling transplant description:

Will seedlings be transplanted for this project? N

Seedling transplant description attachment:

Will seed be harvested for use in site reclamation? N

Operator Name: MEWBOURNE OIL COMPANY

Well Name: BUFFALO TRACE 1/36 W1NC FED COM **Well Number:** 1H

Seed harvest description:

Seed harvest description attachment:

Seed Management

Seed Table

Seed Summary	
Seed Type	**Pounds/Acre**

Total pounds/Acre:

Seed reclamation attachment:

Operator Contact/Responsible Official Contact Info

First Name: **Last Name:**

Phone: **Email:**

Seedbed prep: Final seedbed preparation will consist of contour cultivating to a depth of 4 to 6 inches within 24 hours prior to seeding, dozer tracking, or other imprinting in order to break the soil crust and create seed germination micro-sites.
Seed BMP: To seed the area, the proper BLM seed mixture, free of noxious weeds, will be used.

Seed method: drilling or broadcasting seed over entire reclaimed area.

Existing invasive species? N

Existing invasive species treatment description:

Existing invasive species treatment attachment:

Weed treatment plan description: NA

Weed treatment plan attachment:

Monitoring plan description: vii. All reclaimed areas will be monitored periodically to ensure that revegetation occurs, that the area is not redisturbed, and that erosion and invasive/noxious weeds are controlled.
Monitoring plan attachment:

Success standards: regrowth within 1 full growing season of reclamation.

Pit closure description: NA

Pit closure attachment:

Section 11 - Surface Ownership

Operator Name: MEWBOURNE OIL COMPANY

Well Name: BUFFALO TRACE 1/36 W1NC FED COM **Well Number:** 1H

Disturbance type: EXISTING ACCESS ROAD

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland: **USFS Ranger District:**

Disturbance type: WELL PAD

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland: **USFS Ranger District:**

Operator Name: MEWBOURNE OIL COMPANY

Well Name: BUFFALO TRACE 1/36 W1NC FED COM **Well Number:** 1H

Disturbance type: NEW ACCESS ROAD

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland: **USFS Ranger District:**

Section 12 - Other Information

Right of Way needed? N **Use APD as ROW?**

ROW Type(s):

ROW Applications

SUPO Additional Information: NONE

Use a previously conducted onsite? Y

Previous Onsite information: DEC 19 2019 Met w/Chelsie Dugan, Paul Murphy, Dustin Mudgett (BLM) & RRC Surveying. Staked location approved @ 460' FNL & 1275' FWL, Sec 12, T26S, R29E, Eddy Co., NM. (Elevation @ 2997'). Pad is 420 x 930 w/pit area to the N. Topsoil staked 30 wide to the S. Pad will be built over buried MOC SWD pipeline. Reclaim S 100. Battery will be to the W. Approx. 362 of new road needed off NW corner of pad heading N to Pipeline Rd. Will require cattle guard. Location is in PA. Lat. 32.0629245 N, Long.: -103.9413634 W NAD 83.

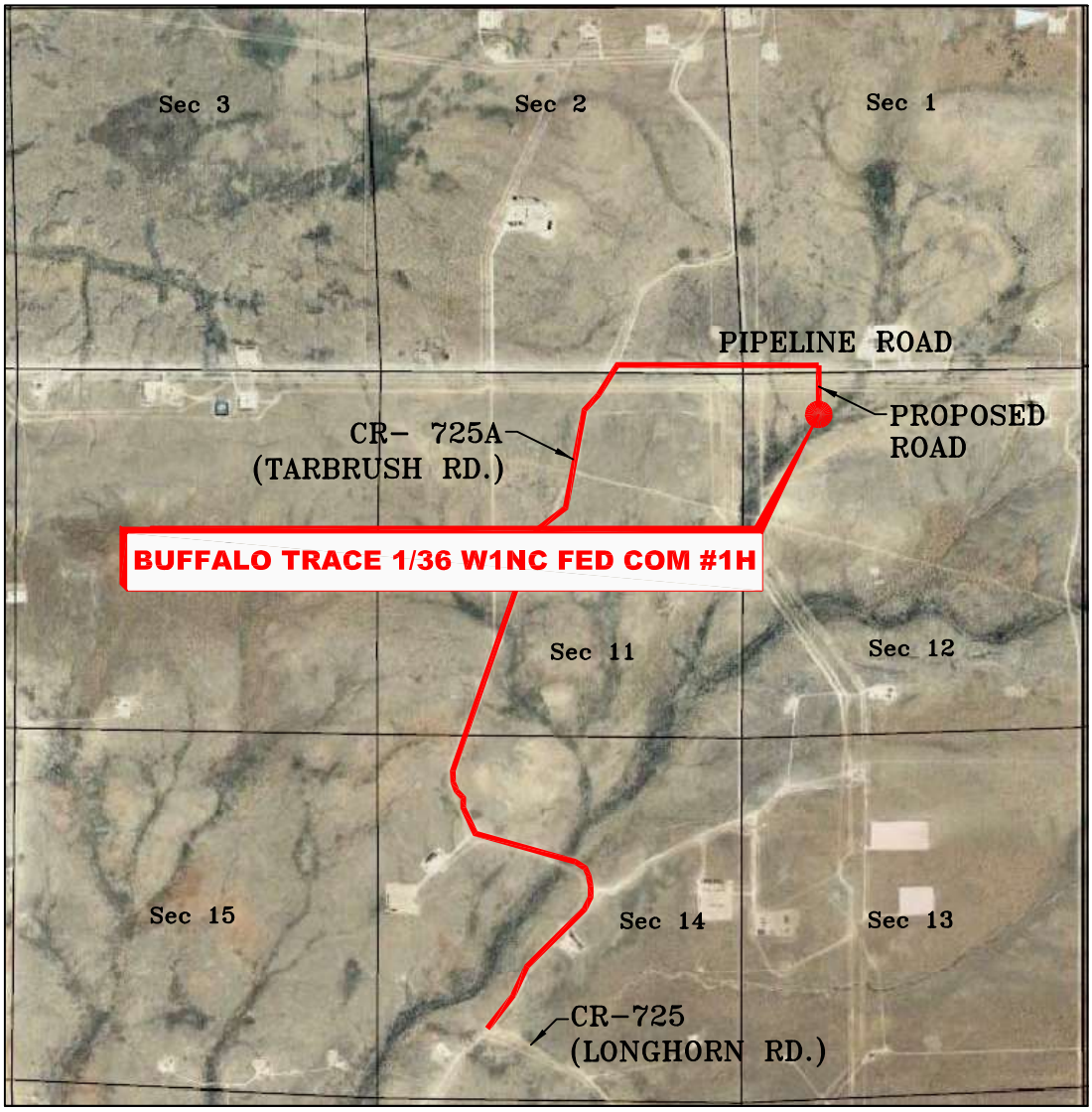
Other SUPO Attachment

BuffaloTrace1_36W1NCFedCom1H_interimreclamationdiagram_20200107144334.pdf

BuffaloTrace1_36W1NCFedCom1H_gascaptureplan_20200107144342.pdf

VICINITY MAP

NOT TO SCALE



SECTION 12, TWP. 26 SOUTH, RGE. 29 EAST,
N. M. P. M., EDDY COUNTY, NEW MEXICO

OPERATOR: Mewbourne Oil Company
LEASE: Buffalo Trace 1/36 W1NC Fed Com
WELL NO.: 1H

LOCATION: 460' FNL & 1275' FWL
ELEVATION: 2997'

NO.	REVISION	DATE

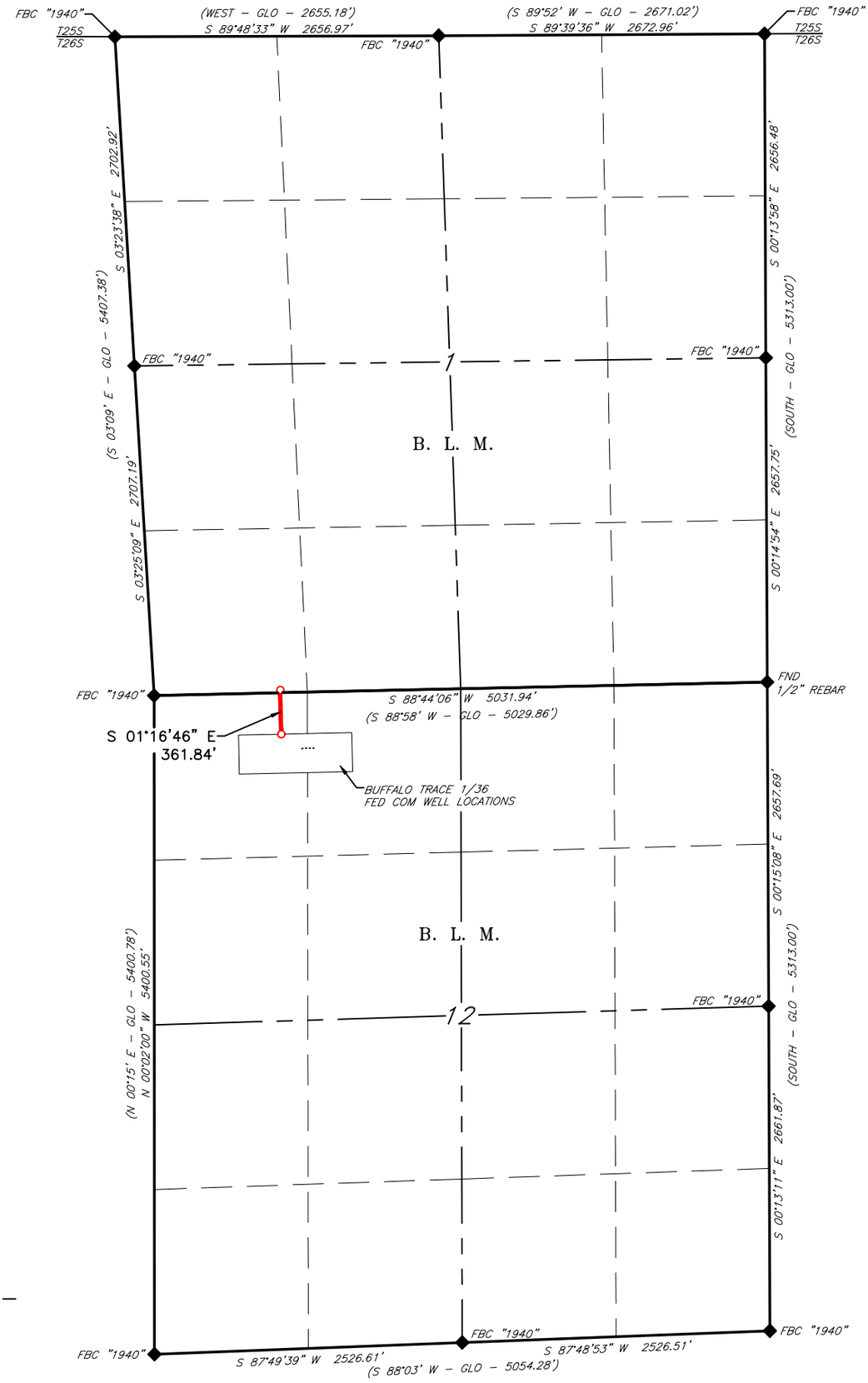
JOB NO.: LS19050564
DWG. NO.: 19050564-3

RRC

701 S. CECIL ST., HOBBS, NM 88240 (575) 964-8200

SCALE: N. T. S.
DATE: 11-25-19
SURVEYED BY: ML/MF
DRAWN BY: GA
APPROVED BY: RMH
SHEET: 1 OF 1

MEWBOURNE OIL COMPANY
PROPOSED ACCESS ROAD FOR THE BUFFALO TRACE 1/36 FED COM W1MD & W1NC WELL LOCATIONS
SECTIONS 1 & 12, T26S, R29E
N. M. P. M., EDDY COUNTY, NEW MEXICO



SCALE: 1" = 1200'
0 600' 1200'

BEARINGS ARE GRID NAD 83 NM EAST
DISTANCES ARE HORIZ. GROUND.

LEGEND
( ) RECORD DATA - GLO
◆ FOUND MONUMENT AS NOTED
PROPOSED ACCESS ROAD

NO.	REVISION	DATE

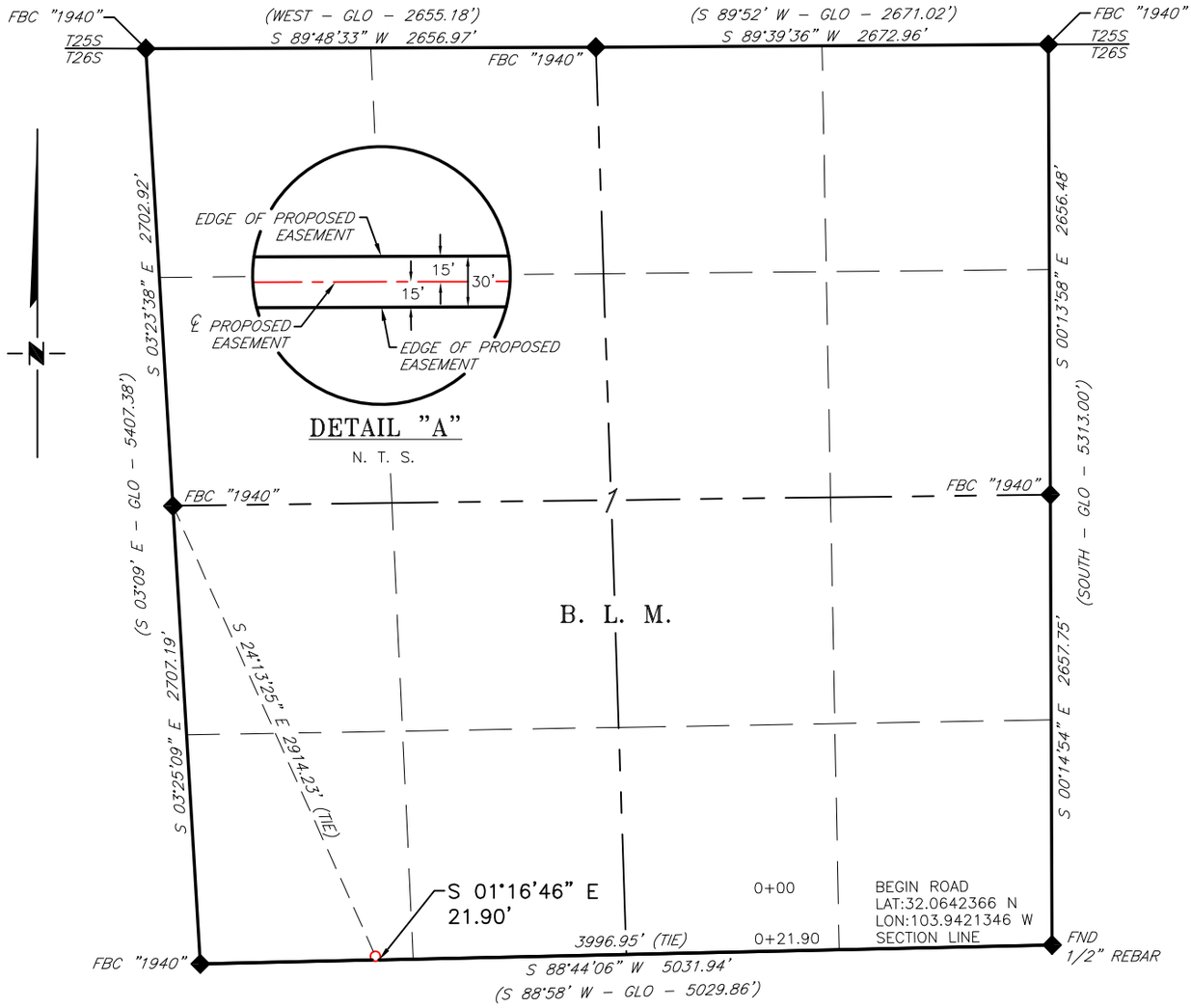
JOB NO.: LS19050562
DWG. NO.: 19050562-5

RRC

701 S. CECIL ST., HOBBS, NM 88240 (575) 964-8200

SCALE: 1" = 1200'
DATE: 11-25-19
SURVEYED BY: ML/MF
DRAWN BY: GA
APPROVED BY: RMH
SHEET: 1 OF 3

MEWBOURNE OIL COMPANY
PROPOSED ACCESS ROAD FOR THE BUFFALO TRACE 1/36 FED COM W1MD & W1NC WELL LOCATIONS
SECTION 1, T26S, R29E
N. M. P. M., EDDY COUNTY, NEW MEXICO



DESCRIPTION

A strip of land 30 feet wide, being 21.90 feet or 1.327 rods in length, lying in Section 1, Township 26, South, Range 29 East, N. M. P. M., Eddy County, New Mexico, being 15 feet left and 15 feet right of the following described survey of a centerline across B. L. M. land:

BEGINNING at Engr. Sta. 0+00, a point in the Southwest quarter of Section 1, which bears, S 24°13'25" E, 2,914.23 feet from a brass cap, stamped "1940", found for the West quarter corner of Section 1;

Thence S 01°16'46" E, 21.90 feet, to Engr. Sta. 0+21.90, a point in the South line of Section 1, which bears, S 88°44'06" W, 3,996.95 feet from a 1/2" rebar, found for the Southeast corner of Section 1.

Said strip of land contains 0.015 acres, more or less, and is allocated by forties as follows:

SW 1/4 SW 1/4	1.327 Rods	0.015 Acres

SCALE: 1" = 1000'
0 500' 1000'

BEARINGS ARE GRID NAD 83 NM EAST
DISTANCES ARE HORIZ. GROUND.

LEGEND
( ) RECORD DATA – GLO
◆ FOUND MONUMENT AS NOTED
PROPOSED ACCESS ROAD

I, R. M. Howett, a N. M. Professional Surveyor, hereby certify that I prepared this plat from an actual survey made on the ground under my direct supervision, said survey and plat meet the Min. Stds. for Land Surveying in the State of N. M. and are true and correct to the best of my knowledge and belief.

Robert M. Howett
Robert M. Howett NM PS 19680

ROBERT M. HOWETT NEW MEXICO 19680 11/26/19 PROFESSIONAL SURVEYOR

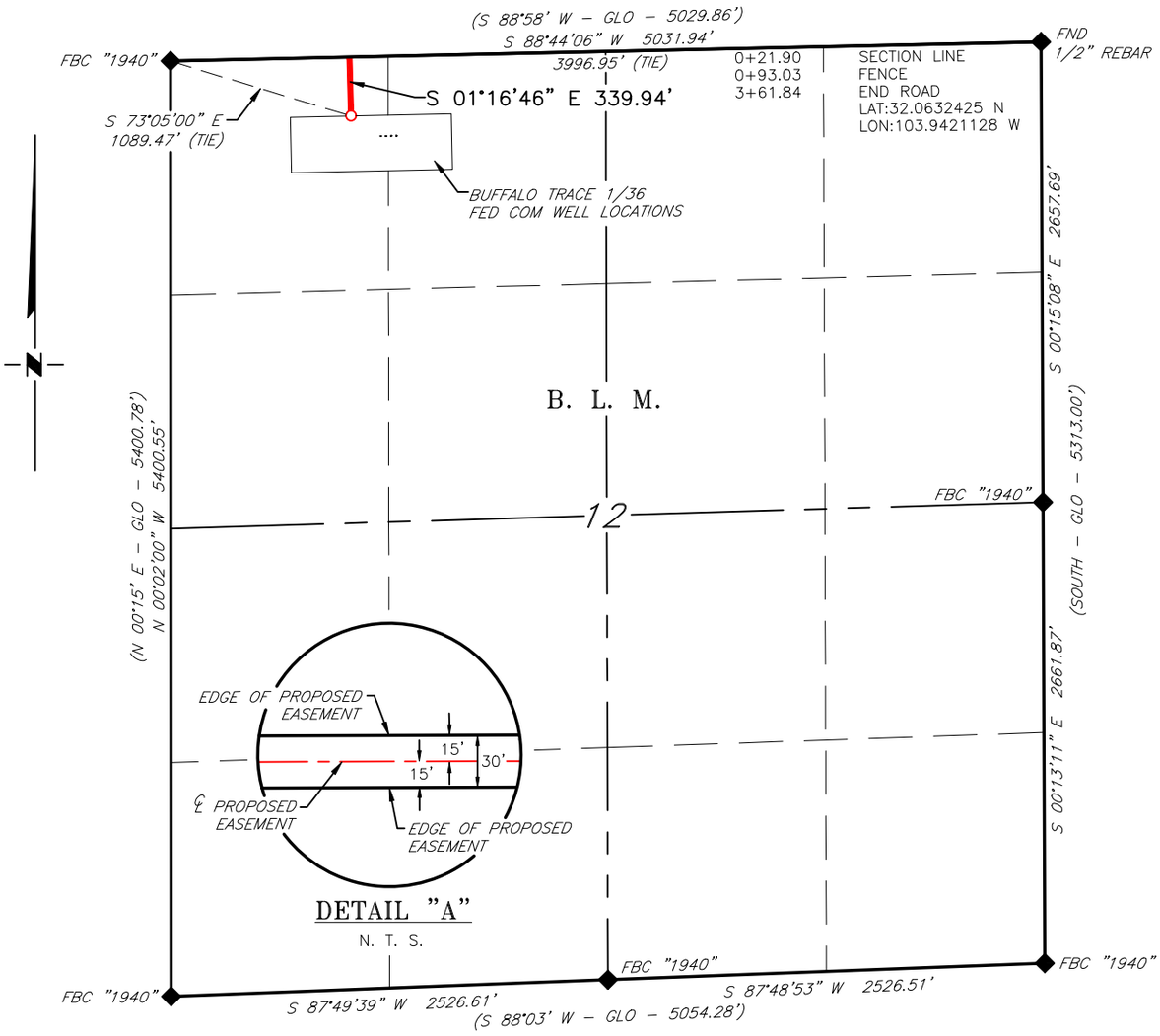
NO.	REVISION	DATE

JOB NO.: LS19050562
DWG. NO.: 19050562–6

RRC
701 S. CECIL ST., HOBBS, NM 88240 (575) 964–8200

SCALE: 1" = 1000'
DATE: 11–25–19
SURVEYED BY: ML/MF
DRAWN BY: GA
APPROVED BY: RMH
SHEET: 2 OF 3

MEWBOURNE OIL COMPANY
PROPOSED ACCESS ROAD FOR THE BUFFALO TRACE 1/36 FED COM W1MD & W1NC WELL LOCATIONS
SECTION 12, T26S, R29E
N. M. P. M., EDDY COUNTY, NEW MEXICO



DESCRIPTION

A strip of land 30 feet wide, being 339.94 feet or 20.602 rods in length, lying in Section 12, Township 26, South, Range 29 East, N. M. P. M., Eddy County, New Mexico, being 15 feet left and 15 feet right of the following described survey of a centerline across B. L. M. land:

BEGINNING at Engr. Sta. 0+21.90, a point on the North line of Section 12, which bears, S 88°44'06" W, 3,996.95 feet from a 1/2" rebar, found for the Northeast corner of Section 12;

Thence S 01°16'46" E, 339.94 feet, to Engr. Sta. 3+61.84, the End of Survey, a point in the Northwest quarter of Section 12, which bears, S 73°05'00" E, 1,089.47 feet from a brass cap, stamped "1940", found for the Northwest corner of Section 12.

Said strip of land contains 0.234 acres, more or less, and is allocated by forties as follows:

NW 1/4 NW 1/4	20.602 Rods	0.234 Acres

SCALE: 1" = 1000'
0 500' 1000'

BEARINGS ARE GRID NAD 83 NM EAST
DISTANCES ARE HORIZ. GROUND.

LEGEND
( ) RECORD DATA – GLO
◆ FOUND MONUMENT AS NOTED
PROPOSED ACCESS ROAD

I, R. M. Howett, a N. M. Professional Surveyor, hereby certify that I prepared this plat from an actual survey made on the ground under my direct supervision, said survey and plat meet the Min. Stds. for Land Surveying in the State of N. M. and are true and correct to the best of my knowledge and belief.

Robert M. Howett
Robert M. Howett NM PS 19680

ROBERT M. HOWETT NEW MEXICO 19680 11/26/19 PROFESSIONAL SURVEYOR

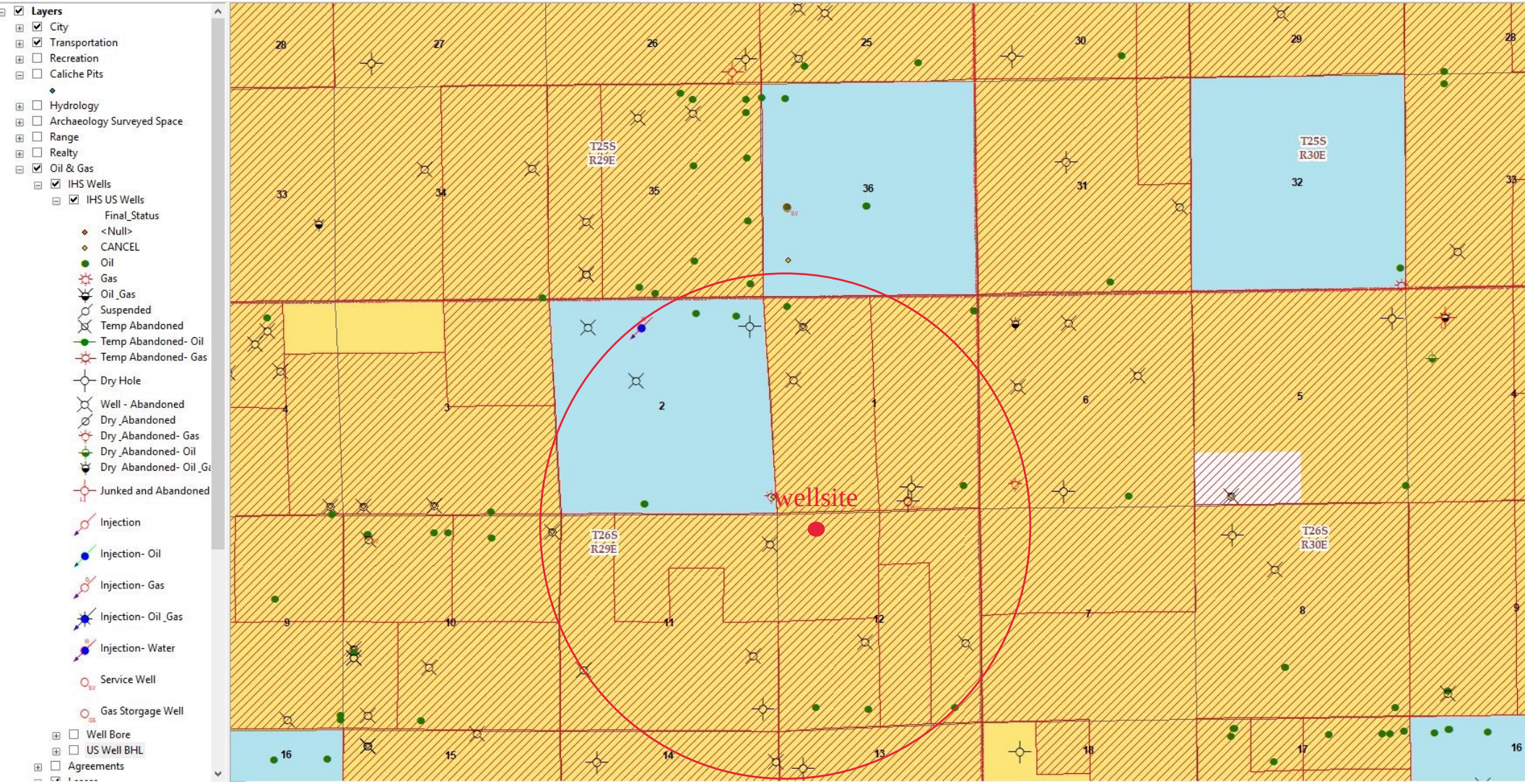
NO.	REVISION	DATE

JOB NO.: LS19050562
DWG. NO.: 19050562–7

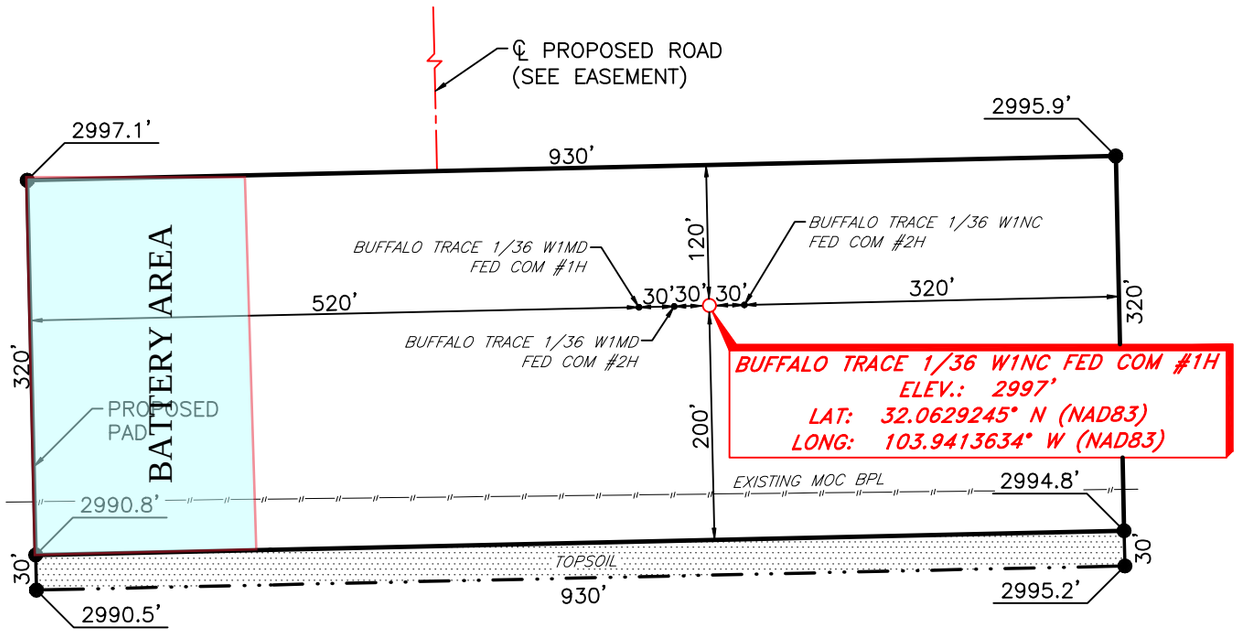
RRC
701 S. CECIL ST., HOBBS, NM 88240 (575) 964–8200

SCALE: 1" = 1000'
DATE: 11–25–19
SURVEYED BY: ML/MF
DRAWN BY: GA
APPROVED BY: RMH
SHEET: 3 OF 3

EXISTING WELL MAP
BUFFALO TRACE 1/36 W1NC FED COM #1H



MEWBOURNE OIL COMPANY
BUFFALO TRACE 1/36 W1NC FED COM #1H
(460' FNL & 1275' FWL)
SECTION 12, T26S, R29E
N. M. P. M., EDDY CO., NEW MEXICO



DIRECTIONS TO LOCATION

From the intersection of CR-725 (Longhorn Rd.) and CR-725A (Tarbrush Rd.);

Go Northeast on CR-725A approx. 0.5 miles to a curve to the left;

Take curve left and go Northwest approx. 0.3 to a curve to the right;

Take curve right and go Northeast approx. 1.4 to a lease road on the right;

Turn right and go East approx. 0.5 miles to a proposed road on the right;

Turn right and go South approx. 500 feet to location on the left.

SCALE: 1" = 150'
0 75 150

BEARINGS ARE NAD 83 GRID - NM EAST DISTANCES ARE GROUND.

I, R. M. Howett, a N. M. Professional Surveyor, hereby certify that I prepared this unclassified survey of a well location from an actual survey made on the ground under my direct supervision, said survey and plat meet the Min. Stds. for Land Surveying in the State of N. M. and are true and correct to the best of my knowledge and belief.

Robert M. Howett
Robert M. Howett NM PS 19680

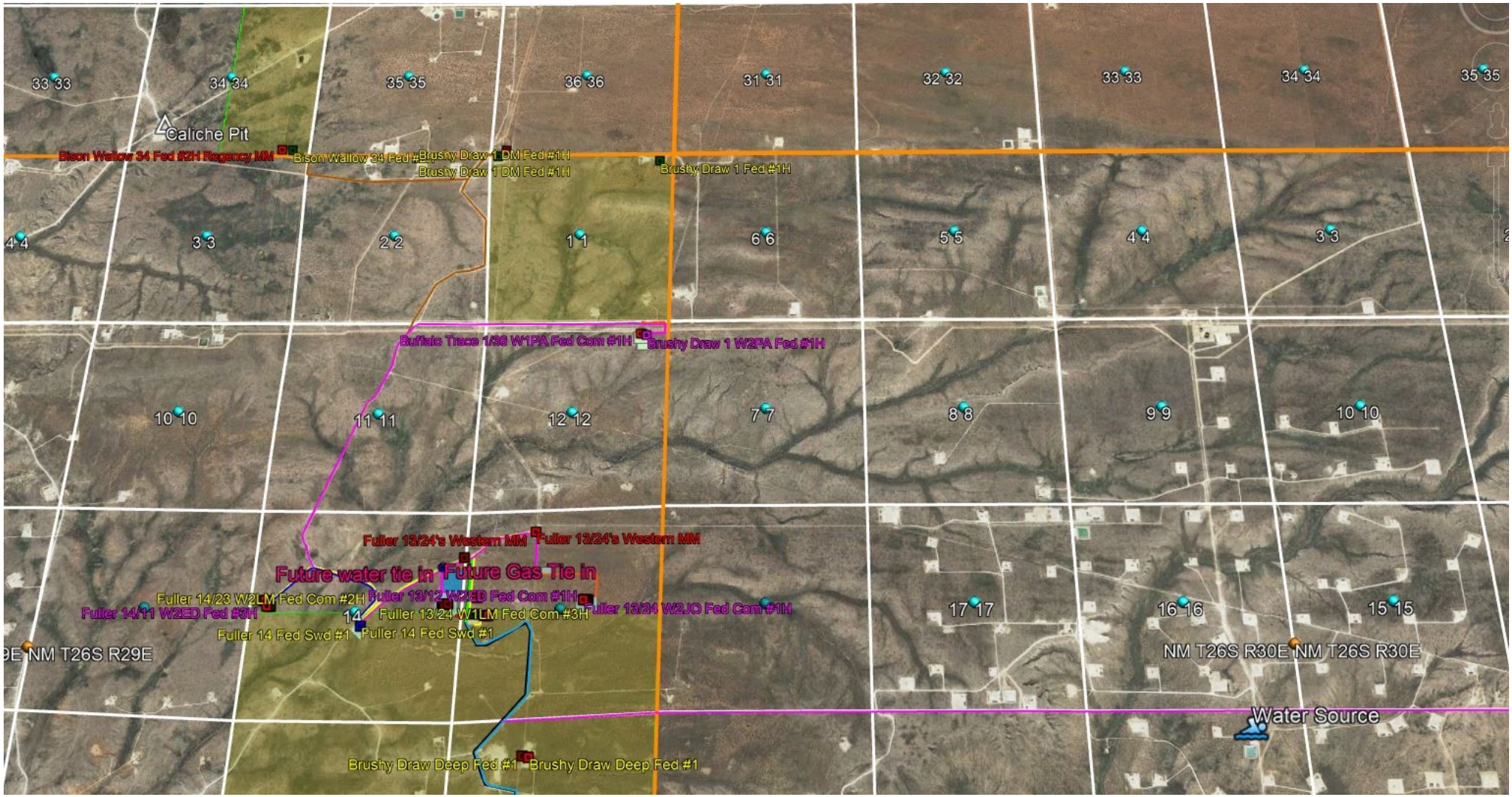
ROBERT M. HOWETT
NEW MEXICO
19680
11/26/19
PROFESSIONAL SURVEYOR

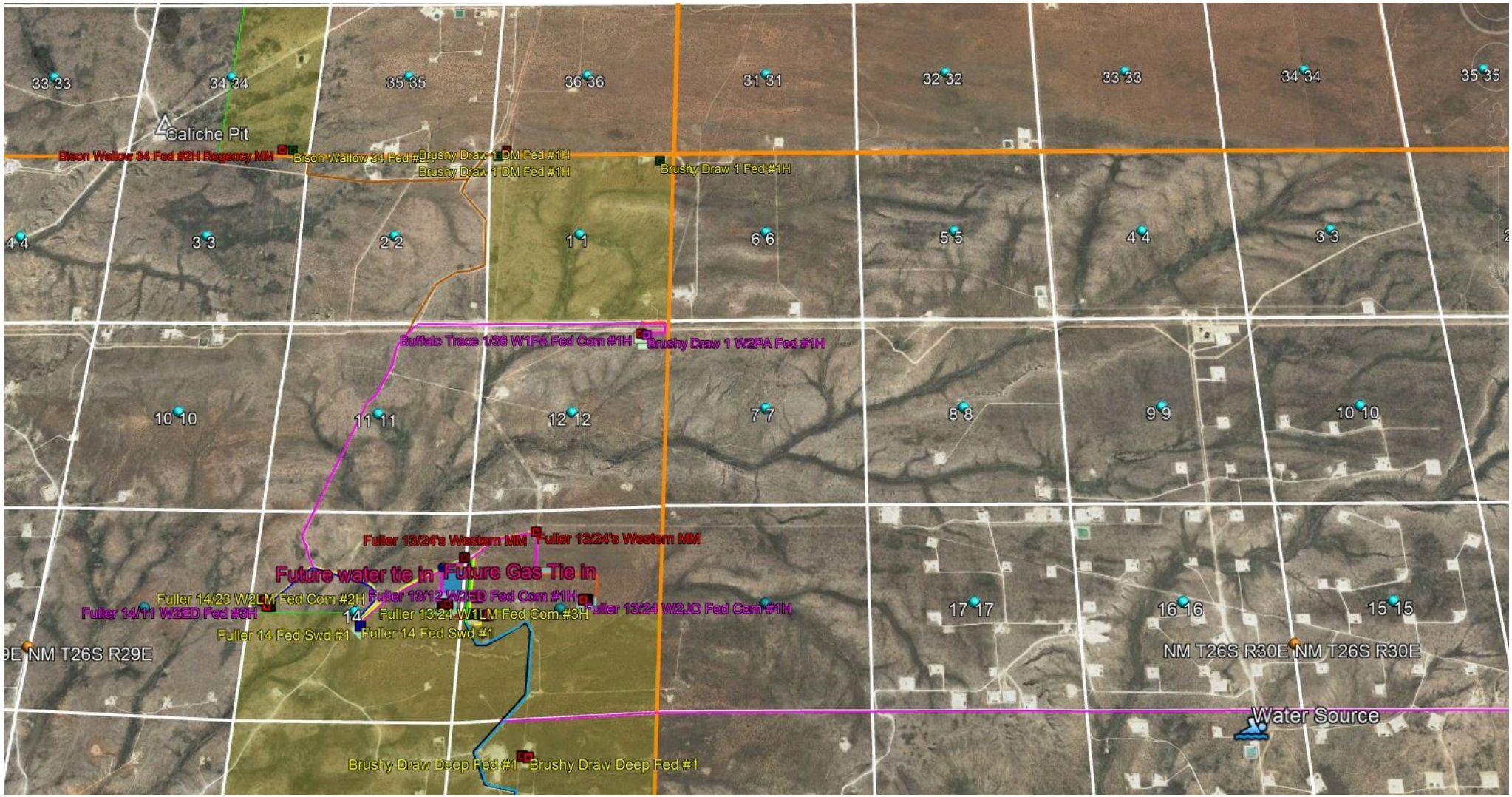
1	RESTAKE	18/12
JOB NO.: LS19050564		
DWG. NO.: 19050564-4		

RRC

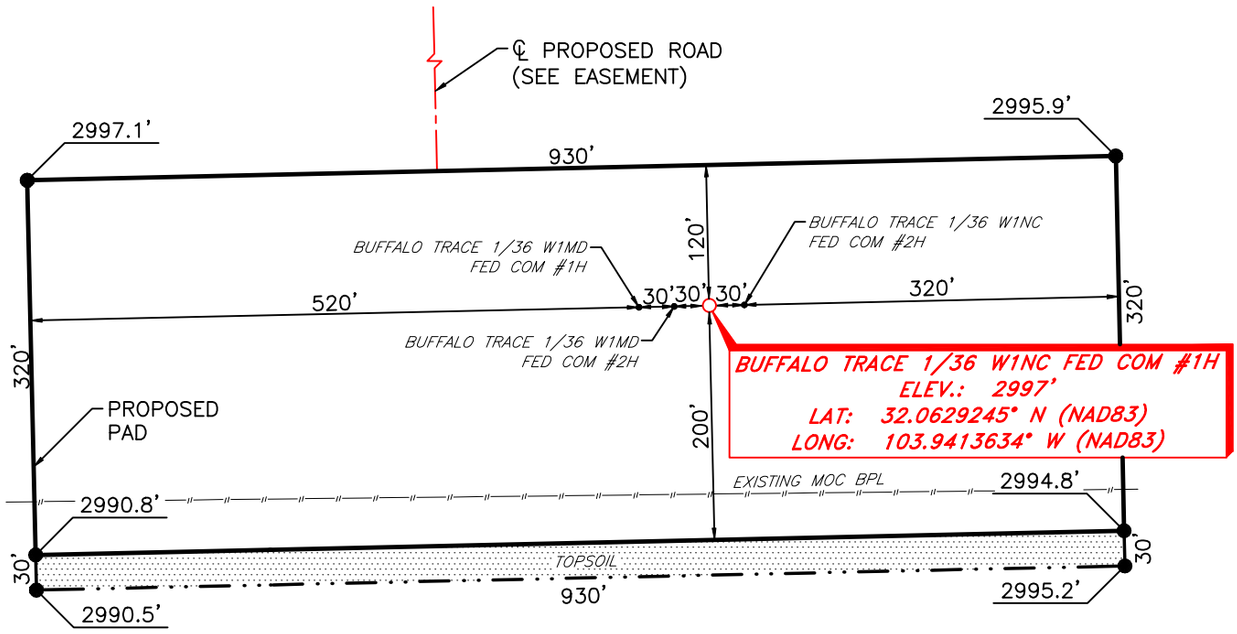
701 S. CECIL ST., HOBBS, NM 88240 (575) 964-8200

SCALE: 1" = 150'
DATE: 11-25-19
SURVEYED BY: ML/MF
DRAWN BY: GA
APPROVED BY: RMH
SHEET: 1 OF 1


33 33
34 34
35 35
36 36
31 31
32 32
33 33
34 34
35 35
Caliche Pit
Bison Wallow 34 Fed #2H Regency MM
Bison Wallow 34 Fed #1H
Brushy Draw 1 DM Fed #1H
Brushy Draw 1 DM Fed #1H
Brushy Draw 1 Fed #1H
4 4
3 3
2 2
1 1
6 6
5 5
4 4
3 3
Buffalo Trace 1/36 W1PA Fed Com #1H
Brushy Draw 1 W2PA Fed #1H
10 10
11 11
12 12
7 7
8 8
9 9
10 10
Fuller 13/24's Western MM
Fuller 13/24's Western MM
Future water tie in
Future Gas Tie in
Fuller 14/23 W2LM Fed Com #2H
Fuller 13/12 W2ED Fed Com #1H
Fuller 14/11 W2ED Fed #3H
14
Fuller 13/24 W1LM Fed Com #3H
Fuller 13/24 W2JO Fed Com #1H
Fuller 14 Fed Swd #1
Fuller 14 Fed Swd #1
NM T26S R29E
17 17
16 16
15 15
NM T26S R30E
NM T26S R30E
Water Source
Brushy Draw Deep Fed #1
Brushy Draw Deep Fed #1


Caliche Pit
Bison Wallow 34 Fed #2H Regency MM
Bison Wallow 34 Fed #1H
Brushy Draw 1 DM Fed #1H
Brushy Draw 1 DM Fed #1H
Brushy Draw 1 Fed #1H
Buffalo Trace 1/36 W1PA Fed Com #1H
Brushy Draw 1 W2PA Fed #1H
Fuller 13/24's Western MM
Fuller 13/24's Western MM
Future water tie in
Future Gas Tie in
Fuller 14/23 W2LM Fed Com #2H
Fuller 13/12 W2ED Fed Com #1H
Fuller 14/11 W2ED Fed #3H
Fuller 13/24 W1LM Fed Com #3H
Fuller 13/24 W2JO Fed Com #1H
Fuller 14 Fed Swd #1
Fuller 14 Fed Swd #1
NM T26S R29E
NM T26S R30E
NM T26S R30E
Water Source
Brushy Draw Deep Fed #1
Brushy Draw Deep Fed #1

MEWBOURNE OIL COMPANY
BUFFALO TRACE 1/36 W1NC FED COM #1H
(460' FNL & 1275' FWL)
SECTION 12, T26S, R29E
N. M. P. M., EDDY CO., NEW MEXICO



DIRECTIONS TO LOCATION

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Turn right and go South approx. 500 feet to location on the left.

SCALE: 1" = 150'
0 75 150

BEARINGS ARE
NAD 83 GRID - NM EAST
DISTANCES ARE GROUND.

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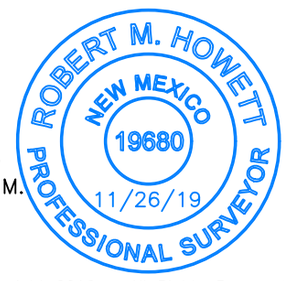
Robert M. Howett
Robert M. Howett NM PS 19680



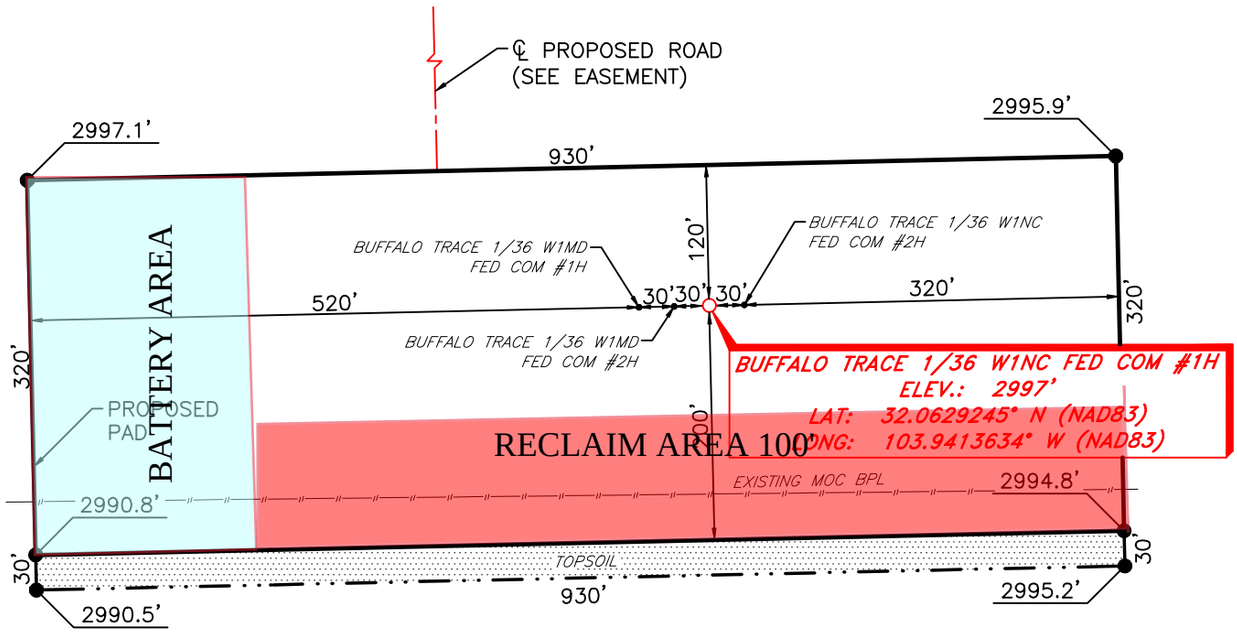
1	RESTAKE	18/12
JOB NO.: LS19050564		
DWG. NO.: 19050564-4		

RRC

701 S. CECIL ST., HOBBS, NM 88240 (575) 964-8200

SCALE: 1" = 150'
DATE: 11-25-19
SURVEYED BY: ML/MF
DRAWN BY: GA
APPROVED BY: RMH
SHEET: 1 OF 1

MEWBOURNE OIL COMPANY
BUFFALO TRACE 1/36 W1NC FED COM #1H
(460' FNL & 1275' FWL)
SECTION 12, T26S, R29E
N. M. P. M., EDDY CO., NEW MEXICO



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Turn right and go South approx. 500 feet to location on the left.

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Robert M. Howett
Robert M. Howett NM PS 19680

ROBERT M. HOWETT NEW MEXICO 19680 11/26/19 PROFESSIONAL SURVEYOR

1	RESTAKE	18/12
JOB NO.: LS19050564		
DWG. NO.: 19050564-4		

RRC

701 S. CECIL ST., HOBBS, NM 88240 (575) 964-8200

SCALE: 1" = 150'
DATE: 11-25-19
SURVEYED BY: ML/MF
DRAWN BY: GA
APPROVED BY: RMH
SHEET: 1 OF 1

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

State of New Mexico
Energy, Minerals and Natural Resources Department

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

Submit Original to Appropriate District Office

GAS CAPTURE PLAN

Date: 1-8-20

☒ Original
☐ Amended - Reason for Amendment:

Operator & OGRID No.: Mewbourne Oil Company - 14744

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomplete to new zone, re-frac) activity.

Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).

Well(s)/Production Facility – Name of facility

The well(s) that will be located at the production facility are shown in the table below.

Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
Buffalo Trace 1/36 W1NC Fed Com 1H		C- 12-26S-29E	460' FNL & 1275' FWL	0	NA	ONLINE AFTER FRAC

Gathering System and Pipeline Notification

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to Western and will be connected to Western low/high pressure gathering system located in EDDY County, New Mexico. It will require 3,400' of pipeline to connect the facility to low/high pressure gathering system. Mewbourne Oil Company provides (periodically) to Western a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, Mewbourne Oil Company and Western have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at Western Processing Plant located in Sec. 36, Blk. 58 T1S, Culberson County, Texas. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

Flowback Strategy

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on Western system at that time. Based on current information, it is Operator's belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

Alternatives to Reduce Flaring

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation – On lease
  - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas – On lease
  - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal – On lease
  - Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines

AFMSS

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

PWD Data Report

04/30/2020

APD ID: 10400052995 **Submission Date:** 04/29/2020

Operator Name: MEWBOURNE OIL COMPANY

Well Name: BUFFALO TRACE 1/36 W1NC FED COM **Well Number:** 1H

Well Type: CONVENTIONAL GAS WELL **Well Work Type:** Drill

Section 1 - General

Would you like to address long-term produced water disposal? NO

Section 2 - Lined Pits

Would you like to utilize Lined Pit PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Lined pit PWD on or off channel:

Lined pit PWD discharge volume (bbl/day):

Lined pit specifications:

Pit liner description:

Pit liner manufacturers information:

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal permit:

Lined pit precipitated solids disposal schedule:

Lined pit precipitated solids disposal schedule attachment:

Lined pit reclamation description:

Lined pit reclamation attachment:

Leak detection system description:

Leak detection system attachment:

Operator Name: MEWBOURNE OIL COMPANY

Well Name: BUFFALO TRACE 1/36 W1NC FED COM **Well Number:** 1H

Lined pit Monitor description:

Lined pit Monitor attachment:

Lined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Lined pit bond number:

Lined pit bond amount:

Additional bond information attachment:

Section 3 - Unlined Pits

Would you like to utilize Unlined Pit PWD options? N

Produced Water Disposal (PWD) Location:

PWD disturbance (acres): **PWD surface owner:**

Unlined pit PWD on or off channel:

Unlined pit PWD discharge volume (bbl/day):

Unlined pit specifications:

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal permit:

Unlined pit precipitated solids disposal schedule:

Unlined pit precipitated solids disposal schedule attachment:

Unlined pit reclamation description:

Unlined pit reclamation attachment:

Unlined pit Monitor description:

Unlined pit Monitor attachment:

Do you propose to put the produced water to beneficial use?

Beneficial use user confirmation:

Estimated depth of the shallowest aquifer (feet):

Does the produced water have an annual average Total Dissolved Solids (TDS) concentration equal to or less than that of the existing water to be protected?

TDS lab results:

Geologic and hydrologic evidence:

State authorization:

Unlined Produced Water Pit Estimated percolation:

Unlined pit: do you have a reclamation bond for the pit?

Operator Name: MEWBOURNE OIL COMPANY

Well Name: BUFFALO TRACE 1/36 W1NC FED COM **Well Number:** 1H

Is the reclamation bond a rider under the BLM bond?

Unlined pit bond number:

Unlined pit bond amount:

Additional bond information attachment:

Section 4 - Injection

Would you like to utilize Injection PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Injection PWD discharge volume (bbl/day):

Injection well mineral owner:

Injection well type:

Injection well number: **Injection well name:**

Assigned injection well API number? **Injection well API number:**

Injection well new surface disturbance (acres):

Minerals protection information:

Mineral protection attachment:

Underground Injection Control (UIC) Permit?

UIC Permit attachment:

Section 5 - Surface Discharge

Would you like to utilize Surface Discharge PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Surface discharge PWD discharge volume (bbl/day):

Surface Discharge NPDES Permit?

Surface Discharge NPDES Permit attachment:

Surface Discharge site facilities information:

Surface discharge site facilities map:

Section 6 - Other

Would you like to utilize Other PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Other PWD discharge volume (bbl/day):

Operator Name: MEWBOURNE OIL COMPANY

Well Name: BUFFALO TRACE 1/36 W1NC FED COM **Well Number:** 1H

Other PWD type description:

Other PWD type attachment:

Have other regulatory requirements been met?

Other regulatory requirements attachment:

AFMSS

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

Bond Info Data Report

04/30/2020

APD ID: 10400052995
Submission Date: 04/29/2020

Operator Name: MEWBOURNE OIL COMPANY

Well Name: BUFFALO TRACE 1/36 W1NC FED COM
Well Number: 1H

Well Type: CONVENTIONAL GAS WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes

Show Final Text

Bond Information

Federal/Indian APD: FED

BLM Bond number: NM1693

BIA Bond number:

Do you have a reclamation bond? NO

Is the reclamation bond a rider under the BLM bond?

Is the reclamation bond BLM or Forest Service?

BLM reclamation bond number:

Forest Service reclamation bond number:

Forest Service reclamation bond attachment:

Reclamation bond number:

Reclamation bond amount:

Reclamation bond rider amount:

Additional reclamation bond information attachment:

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30 015 48102	98220	PURPLE SAGE; WOLFCAMP GAS POOL

4 Property Code	5 Property Name	6 Well Number
328113	BUFFALO TRACE 1/36 W1NC FED COM	1H

7 OGRID NO.	8 Operator Name	9 Elevation
14744	MEWBOURNE OIL COMPANY	2997'

10 Surface Location

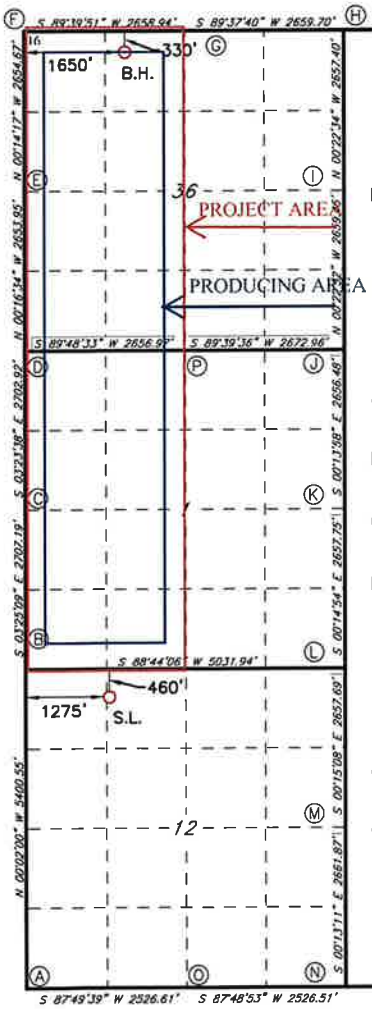
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
C	12	26S	29E		460	NORTH	1275	WEST	EDDY

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	36	25S	29E		330	NORTH	1650	WEST	EDDY

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
640			

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.



GEODETIC DATA
NAD 83 GRID – NM EAST

SURFACE LOCATION
N: 386850.1 – E: 662760.9

LAT: 32.0629245° N
LONG: 103.9413634° W

GEODETIC DATA
NAD 83 GRID – NM EAST

BOTTOM HOLE
N: 397668.4 – E: 662792.0

LAT: 32.0926627° N
LONG: 103.9411360° W

CORNER DATA
NAD 83 GRID – NM EAST

A: FOUND BRASS CAP "1940"
N: 381882.4 – E: 661489.4

B: FOUND BRASS CAP "1940"
N: 387281.8 – E: 661486.2

C: FOUND BRASS CAP "1940"
N: 389983.6 – E: 661324.8

D: FOUND BRASS CAP "1940"
N: 392681.2 – E: 661164.8

E: FOUND BRASS CAP "1940"
N: 395334.5 – E: 661152.0

F: FOUND 5/8" REBAR
N: 397988.6 – E: 661141.0

G: FOUND BRASS CAP "1940"
N: 398004.2 – E: 663799.3

H: FOUND BRASS CAP "1940"
N: 398021.5 – E: 666458.4

I: FOUND BRASS CAP "1940"
N: 395364.7 – E: 666475.8

J: FOUND BRASS CAP "1940"
N: 392705.9 – E: 666493.5

K: FOUND BRASS CAP "1940"
N: 390050.0 – E: 666504.3

L: FOUND 1/2" REBAR
N: 387392.8 – E: 666515.9

M: FOUND BRASS CAP "1940"
N: 384735.7 – E: 666527.5

N: FOUND BRASS CAP "1940"
N: 382074.4 – E: 666537.7

O: FOUND BRASS CAP "1940"
N: 381978.1 – E: 664013.6

P: FOUND BRASS CAP "1940"
N: 392690.0 – E: 663821.2

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature 3-9-20 Date

BRADLEY BISHOP
Printed Name

BBISHOP@MEWBOURNE.COM
E-mail Address

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

11-25-2019
Date of Survey

Signature and Seal of Professional Surveyor:

ROBERT M. HOWETT NEW MEXICO 19680 PROFESSIONAL SURVEYOR

19680
Certificate Number

Job No: LS19050564

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

State of New Mexico
Energy, Minerals and Natural Resources Department

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

Submit Original to Appropriate District Office

GAS CAPTURE PLAN

Date: 1-8-20

☒ Original
☐ Amended - Reason for Amendment:

Operator & OGRID No.: Mewbourne Oil Company - 14744

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomplete to new zone, re-frac) activity.

Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).

Well(s)/Production Facility – Name of facility

The well(s) that will be located at the production facility are shown in the table below.

Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
Buffalo Trace 1/36 W1NC Fed Com 1H		C- 12-26S-29E	460' FNL & 1275' FWL	0	NA	ONLINE AFTER FRAC

Gathering System and Pipeline Notification

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to Western and will be connected to Western low/high pressure gathering system located in EDDY County, New Mexico. It will require 3,400' of pipeline to connect the facility to low/high pressure gathering system. Mewbourne Oil Company provides (periodically) to Western a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, Mewbourne Oil Company and Western have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at Western Processing Plant located in Sec. 36, Blk. 58 T1S, Culberson County, Texas. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

Flowback Strategy

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on Western system at that time. Based on current information, it is Operator's belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

Alternatives to Reduce Flaring

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation – On lease
  - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas – On lease
  - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal – On lease
  - Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines

Mewbourne Oil Company
Buffalo Trace 1/36 W1NC Fed Com #1H
Sec 12, T26S, R29E
SL: 460' FNL & 1275' FWL (Sec 12, T26S, R29E)
BHL: 330' FNL & 1460' FWL (Sec 36, T25S, R29E)

Hole Size	Casing Interval From	Casing Interval To	Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Jt Tension	SF Body Tension
17.5"	0'	950'	13.375"	48	H40	STC	1.73	3.88	6.88	11.56
12.25"	0'	3200'	9.625"	36	J55	LTC	1.21	2.12	3.93	4.90
8.75"	0'	10600'	7.625"	39	P110	FJ	2.13	2.43	1.85	2.98
6.125"	10139'	20915'	4.5"	13.5	P110	LTC	1.61	1.87	2.32	2.90
			BLM Minimum Safety Factor				1.125	1	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

Must have table for contingency casing

	Y or N
Is casing new? If used, attach certification as required in Onshore Order #1	Y
Is casing API approved? If no, attach casing specification sheet.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	N
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y
Will the pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
Is well located within Capitan Reef?	Y
If yes, does production casing cement tie back a minimum of 50' above the Reef?	
Is well within the designated 4 string boundary.	
Is well located in SOPA but not in R-111-P?	N
If yes, are the first 2 strings cemented to surface and 3rd string cement tied back 500' into previous casing?	
Is well located in R-111-P and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2nd string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

Mewbourne Oil Company
Buffalo Trace 1/36 W1NC Fed Com #1H
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Will the pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
Is well located within Capitan Reef?	Y
If yes, does production casing cement tie back a minimum of 50' above the Reef?	
Is well within the designated 4 string boundary.	
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If yes, are the first 2 strings cemented to surface and 3rd string cement tied back 500' into previous casing?	
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Mewbourne Oil Company
Buffalo Trace 1/36 W1NC Fed Com #1H
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6.125"	10139'	20915'	4.5"	13.5	P110	LTC	1.61	1.87	2.32	2.90
			BLM Minimum Safety Factor				1.125	1	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

Must have table for contingency casing

	Y or N
Is casing new? If used, attach certification as required in Onshore Order #1	Y
Is casing API approved? If no, attach casing specification sheet.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	N
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y
Will the pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
Is well located within Capitan Reef?	Y
If yes, does production casing cement tie back a minimum of 50' above the Reef?	
Is well within the designated 4 string boundary.	
Is well located in SOPA but not in R-111-P?	N
If yes, are the first 2 strings cemented to surface and 3rd string cement tied back 500' into previous casing?	
Is well located in R-111-P and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2nd string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

AFMSS

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

PWD Data Report

04/30/2020

APD ID: 10400052995 **Submission Date:** 04/29/2020

Operator Name: MEWBOURNE OIL COMPANY

Well Name: BUFFALO TRACE 1/36 W1NC FED COM **Well Number:** 1H

Well Type: CONVENTIONAL GAS WELL **Well Work Type:** Drill

Section 1 - General

Would you like to address long-term produced water disposal? NO

Section 2 - Lined Pits

Would you like to utilize Lined Pit PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Lined pit PWD on or off channel:

Lined pit PWD discharge volume (bbl/day):

Lined pit specifications:

Pit liner description:

Pit liner manufacturers information:

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal permit:

Lined pit precipitated solids disposal schedule:

Lined pit precipitated solids disposal schedule attachment:

Lined pit reclamation description:

Lined pit reclamation attachment:

Leak detection system description:

Leak detection system attachment:

Operator Name: MEWBOURNE OIL COMPANY

Well Name: BUFFALO TRACE 1/36 W1NC FED COM **Well Number:** 1H

Lined pit Monitor description:

Lined pit Monitor attachment:

Lined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Lined pit bond number:

Lined pit bond amount:

Additional bond information attachment:

Section 3 - Unlined Pits

Would you like to utilize Unlined Pit PWD options? N

Produced Water Disposal (PWD) Location:

PWD disturbance (acres): **PWD surface owner:**

Unlined pit PWD on or off channel:

Unlined pit PWD discharge volume (bbl/day):

Unlined pit specifications:

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal permit:

Unlined pit precipitated solids disposal schedule:

Unlined pit precipitated solids disposal schedule attachment:

Unlined pit reclamation description:

Unlined pit reclamation attachment:

Unlined pit Monitor description:

Unlined pit Monitor attachment:

Do you propose to put the produced water to beneficial use?

Beneficial use user confirmation:

Estimated depth of the shallowest aquifer (feet):

Does the produced water have an annual average Total Dissolved Solids (TDS) concentration equal to or less than that of the existing water to be protected?

TDS lab results:

Geologic and hydrologic evidence:

State authorization:

Unlined Produced Water Pit Estimated percolation:

Unlined pit: do you have a reclamation bond for the pit?

Operator Name: MEWBOURNE OIL COMPANY

Well Name: BUFFALO TRACE 1/36 W1NC FED COM **Well Number:** 1H

Is the reclamation bond a rider under the BLM bond?

Unlined pit bond number:

Unlined pit bond amount:

Additional bond information attachment:

Section 4 - Injection

Would you like to utilize Injection PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Injection PWD discharge volume (bbl/day):

Injection well mineral owner:

Injection well type:

Injection well number: **Injection well name:**

Assigned injection well API number? **Injection well API number:**

Injection well new surface disturbance (acres):

Minerals protection information:

Mineral protection attachment:

Underground Injection Control (UIC) Permit?

UIC Permit attachment:

Section 5 - Surface Discharge

Would you like to utilize Surface Discharge PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Surface discharge PWD discharge volume (bbl/day):

Surface Discharge NPDES Permit?

Surface Discharge NPDES Permit attachment:

Surface Discharge site facilities information:

Surface discharge site facilities map:

Section 6 - Other

Would you like to utilize Other PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Other PWD discharge volume (bbl/day):

Operator Name: MEWBOURNE OIL COMPANY

Well Name: BUFFALO TRACE 1/36 W1NC FED COM **Well Number:** 1H

Other PWD type description:

Other PWD type attachment:

Have other regulatory requirements been met?

Other regulatory requirements attachment:

AFMSS

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

Bond Info Data Report

04/30/2020

APD ID: 10400052995

Submission Date: 04/29/2020

Operator Name: MEWBOURNE OIL COMPANY

Well Name: BUFFALO TRACE 1/36 W1NC FED COM

Well Number: 1H

Well Type: CONVENTIONAL GAS WELL

Well Work Type: Drill

Highlighted data reflects the most recent changes

Show Final Text

Bond Information

Federal/Indian APD: FED

BLM Bond number: NM1693

BIA Bond number:

Do you have a reclamation bond? NO

Is the reclamation bond a rider under the BLM bond?

Is the reclamation bond BLM or Forest Service?

BLM reclamation bond number:

Forest Service reclamation bond number:

Forest Service reclamation bond attachment:

Reclamation bond number:

Reclamation bond amount:

Reclamation bond rider amount:

Additional reclamation bond information attachment:

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

COMMENTS

Action 21414

COMMENTS

Operator:	OGRID:	Action Number:	Action Type:
MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM88241	14744	21414	FORM 3160-3

Created By	Comment	Comment Date
kpickford	KP GEO Review 3/22/2021	03/22/2021

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 21414

CONDITIONS OF APPROVAL

Operator:	OGRID:	Action Number:	Action Type:
MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM88241	14744	21414	FORM 3160-3

OCD Reviewer	Condition
kpickford	Notify OCD 24 hours prior to casing & cement
kpickford	Will require a File As Drilled C-102 and a Directional Survey with the C-104
kpickford	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
kpickford	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system