AFMSS

U.S. Department of the Interior
Bureau of Land Management

Application for Permit to Drill

APD Package Report

Date Printed: 08/10/2026 07:40 AM

APD ID:	10400110100	Well Status:	AAPD
APD Received Date:	02/16/2026 09:42 AM	Well Name:	RUNWAY 26/30 FED COM
Operator:	MEWBOURNE OIL COMPANY	Well Number:	828H

APD Package Report Contents

- Form 3160-3

- Operator Certification Report

- Application Report
- Application Attachments
  -- Well Plat: 1 file(s)

- Drilling Plan Report
- Drilling Plan Attachments
  -- Blowout Prevention Choke Diagram Attachment: 2 file(s)
  -- Blowout Prevention BOP Diagram Attachment: 2 file(s)
  -- Casing Design Assumptions and Worksheet(s): 4 file(s)
  -- Hydrogen sulfide drilling operations plan: 1 file(s)
  -- Proposed horizontal/directional/multi-lateral plan submission: 2 file(s)
  -- Other Facets: 2 file(s)
  -- Other Variances: 2 file(s)

- SUPO Report
- SUPO Attachments
  -- Existing Road Map: 1 file(s)
  -- New Road Map: 1 file(s)
  -- Attach Well map: 1 file(s)
  -- Production Facilities map: 1 file(s)
  -- Water source and transportation map: 1 file(s)
  -- Construction Materials source location attachment: 1 file(s)
  -- Well Site Layout Diagram: 1 file(s)
  -- Recontouring attachment: 1 file(s)

- PWD Report
- PWD Attachments
  -- None

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- Bond Report
- Bond Attachments
  -- None

Form 3160-3
(October 2024)

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2027

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.: NMNM98152

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.: NMNM106780418

8. Lease Name and Well No.: RUNWAY 26/30 FED COM 828H

2. Name of Operator: MEWBOURNE OIL COMPANY

9. API Well No.: 30-015-58883

3a. Address: P O BOX 5270, HOBBS, NM 88241

3b. Phone No. *(include area code)*: (575) 393-5905

10. Field and Pool, or Exploratory: PURPLE SAGE/WOLFCAMP

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

At surface: NESE / 1820 FSL / 205 FEL / LAT 32.3610695 / LONG -104.2731211

At proposed prod. zone: SESE / 330 FSL / 330 FEL / LAT 32.3570926 / LONG -104.2212359

11. Sec., T. R. M. or Blk. and Survey or Area: SEC 27/T22S/R26E/NMP

14. Distance in miles and direction from nearest town or post office*: 20 miles

12. County or Parish: EDDY

13. State: NM

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any): 330 feet

16. No of acres in lease: 320

17. Spacing Unit dedicated to this well: 1909.6

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.: 20 feet

19. Proposed Depth: 9511 feet / 25245 feet

20. BLM/BIA Bond No. in file: FED: NMB106714150

21. Elevations (Show whether DF, KDB, RT, GL, etc.): 3229 feet

22. Approximate date work will start*: 04/06/2026

23. Estimated duration: 60 days

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
(Electronic Submission)	BRADLEY BISHOP / Ph: (575) 393-5905	02/16/2026

Title: Regulatory

Approved by *(Signature)*	Name *(Printed/Typed)*	Date
(Electronic Submission)	CODY LAYTON / Ph: (575) 234-5959	08/07/2026

Title	Office
Assistant Field Manager Lands & Minerals	Carlsbad Field 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.

APPROVED WITH CONDITIONS

(Continued on page 2)

*(Instructions on page 2)

Approval Date: 08/07/2026

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INSTRUCTIONS

GENERAL: This form is designed for submitting proposals to perform certain well operations, as indicated on Federal and Indian lands and leases for action by appropriate Federal agencies, pursuant to applicable Federal laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from local Federal offices.

ITEM I: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable Federal regulations concerning subsequent work proposals or reports on the well.

ITEM 4: Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal offices for specific instructions.

ITEM 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on the reverse side, showing the roads to, and the surveyed location of, the wen, and any other required information, should be furnished when required by Federal agency offices.

ITEMS 15 AND 18: If well is to be, or has been directionany drilled, give distances for subsurface location of hole in any present or objective productive zone.

ITEM 22: Consult applicable Federal regulations, or appropriate officials, concerning approval of the proposal before operations are started.

ITEM 24: If the proposal will involve hydraulic fracturing operations, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The Privacy Act of 1974 and regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 25 U.S.C. 396; 43 CFR 3160

PRINCIPAL PURPOSES: The information will be used to: (1) process and evaluate your application for a permit to drill a new oil, gas, or service wen or to reenter a plugged and abandoned well; and (2) document, for administrative use, information for the management, disposal and use of National Resource Lands and resources including (a) analyzing your proposal to discover and extract the Federal or Indian resources encountered; (b) reviewing procedures and equipment and the projected impact on the land involved; and (c) evaluating the effects of the proposed operation on the surface and subsurface water and other environmental impacts.

ROUTINE USE: Information from the record and/or the record win be transferred to appropriate Federal, State, and local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecution, in connection with congressional inquiries and for regulatory responsibilities.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this application and disclosure of the information is mandatory only if you elect to initiate a drilling or reentry operation on an oil and gas lease.

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM conects this information to anow evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases. This information will be used to analyze and approve applications. Response to this request is mandatory only if the operator elects to initiate drilling or reentry operations on an oil and gas lease. The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Conection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.

(Continued on page 3)

Approval Date: 08/07/2026

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Additional Operator Remarks

Location of Well

0. SHL: NESE / 1820 FSL / 205 FEL / TWSP: 22S / RANGE: 26E / SECTION: 27 / LAT: 32.3610695 / LONG: -104.2731211 (TVD: 0 feet, MD: 0 feet)

PPP: SWSW / 330 FSL / 330 FWL / TWSP: 22S / RANGE: 26E / SECTION: 26 / LAT: 32.3569847 / LONG: -104.2713788 (TVD: 9290 feet, MD: 9759 feet)

BHL: SESE / 330 FSL / 330 FEL / TWSP: 22S / RANGE: 27E / SECTION: 30 / LAT: 32.3570926 / LONG: -104.2212359 (TVD: 9511 feet, MD: 25245 feet)

BLM Point of Contact

Name: PAMELLA HERNANDEZ
Title: LIE
Phone: (575) 234-5954
Email: PHERNANDEZ@BLM.GOV

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Mewbourne Oil Company, Runway 26/30 Fed Com 828H
Sec 27, T22S, R26E
SHL: 1820' FSL 205' FEL (Sec 27)
BHL: 330' FSL 330' FEL (Sec 30)

Well Location **GL: 3229'**

Point	Calls	Leases	Aliquot	Section	Township	Range	County	Lat	Long	TVD	MD
SHL	SHL: 1820' FSL & 205' FEL (Sec 27)	State	NESE	27	22S	26E	Eddy	32.3610695	- 104.2731211	0'	0'
KOP	KOP: 330' FSL & 243' FEL (Sec 27)	Fee	SESE	27	22S	26E	Eddy	32.3569742	- 104.2732339	8,717'	8,859'
FTP	FTP/LP: 330' FSL & 330' FWL (Sec 26)	NMNM098152	SWSW	26	22S	26E	Eddy	32.3569847	- 104.2713788	9,290'	9,759'
BHL	BHL: 330' FSL & 330' FEL (Sec 30)	Fee	SESE	30	22S	27E	Eddy	32.3570926	- 104.2212359	9,511'	25,245'

GEOLOGY

Formation	Est. Top (TVD)	Lithology	Mineral Resources	Formation	Est. Top (TVD)	Lithology	Mineral Resources
Rustler				Delaware (Lamar)	1596'	Limestone	Oil/Natural Gas
Salt Top				Bell Canyon	1823'	Sandstone	Oil/Natural Gas
Castile				Cherry Canyon	2365'	Sandstone	Oil/Natural Gas
Marker Bed 126				Manzanita Marker	2581'	Limestone	Oil/Natural Gas
Salt Base				Basal Brushy Canyon	3436'	Sandstone	Oil/Natural Gas
Yates				Bone Spring	5057'	Limestone/Shale	Oil/Natural Gas
Seven Rivers				1st Bone Spring Carbonate			
Queen				1st Bone Spring Sand	6063'	Sandstone	Oil/Natural Gas
Capitan				2nd Bone Spring Carbonate			
Grayburg				2nd Bone Spring Sand	6609'	Sandstone	Oil/Natural Gas
San Andres				3rd Bone Spring Carbonate			
Glorietta				3rd Bone Spring Sand	8220'	Sandstone	Oil/Natural Gas
Yeso				Wolfcamp	**8632'**	Shale/Sandstone/Limestone	Oil/Natural Gas

Casing Program Design A						BLM Minimum Safety Factors	1.125	1.0	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet
Casing String	Hole Diameter (in)	Top MD	Top TVD	Bottom MD	Bottom TVD	Casing Description	SF Collapse	SF Burst	SF Jt Tension	SF Body Tension
Surface	17.5"	0'	0'	600'	600'	13.375" 48# H40 STC	2.87	6.45	11.18	18.78
Intermediate	12.25"	0'	0'	1800'	1800'	9.625" 36# J55 LTC	2.12	3.69	6.99	8.70
Production	8.75"	0'	0'	9759'	9290'	7 5/8" 29.7# HCP110 GBCD	1.53	2.02	2.65	3.24
Liner	6.75"	8859'	8717'	25245'	9511'	5.5" 20# HPP110 Talon	1.95	2.22	2.88	3.37

All casing strings will be tested in accordance with 43 CFR Part 3172. 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.	Y
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?	N
If yes, does production casing cement tie back a minimum of 50' above the Reef?	
Is well within the designated 4 string boundary.	N
Is well located in SOPA but not in R-111-Q?	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-Q 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 an open annulus used to satisfy R-111-Q? If yes, see cement design.	
Is an engineered weak point used to satisfy R-111-Q?	
If yes, at what depth is the weak point planned?	
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?	Y
If yes, are there three strings cemented to surface?	Y

Approval Date: 08/07/2026

Mewbourne Oil Company, Runway 26/30 Fed Com 828H
Sec 27, T22S, R26E
SHL: 1820' FSL 205' FEL (Sec 27)
BHL: 330' FSL 330' FEL (Sec 30)

Design A - Cement Program

Casing	Cement Stage	# sx	Density (ppg)	Yield (ft^3/sack)	Depth (MD)	Volume (ft^3)	% Excess	Slurry Description
13.375 in	LEAD	270	12.5	2.12	0' - 410'	580	100%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	410' - 600'	268		Class C: Retarder
9.625 in	LEAD	230	12.5	2.12	0' - 1164'	490	25%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	1164' - 1800'	268		Class C: Retarder
7.625 in	LEAD	480	12.5	2.12	0' - 6672'	1020	25%	Class C: Salt, Gel, Extender, LCM, Defoamer
	TAIL	400	15.6	1.18	6672' - 9759'	472		Class H: Retarder, Fluid Loss, Defoamer
5.5 in	LEAD	940	13.5	1.85	8859' - 25245'	1740	25%	Class H: Salt, Gel, Fluid Loss, Retarder, Dispersant, Defoamer, Anti-settling Agent

Pressure Control Equipment

BOP installed and tested before drilling hole (in):	Size (in)	System Rated WP	Type		Tested to:	Rating Depth
12.25	13.375	5M	Annular	X	2500#/3500#	25,245'
		5M	Blind Ram	X	5000#	
			Pipe Ram	X		
			Double Ram			
			Other*			

*Specify if additional ram is utilized.

Equipment: Annular, Pipe Rams, Blind Rams, 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.

Variance Request: A variance is requested for the use of a flexible choke line from the BOP to the choke manifold. See attached for hydrostatic test chart. Anchors are not required by manufacturer. Variance is requested to use a multi bowl wellhead. Variance is requested to perform break testing according to attached procedure. If a breaktesting variance is approved & incorporated, API Standard 53 will be incorporated and testing annular BOP to 70% of RWP or 100% of MASP, whichever is greater, will be performed.

Testing Procedure: BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per 43 CFR Part 3172 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.

Y	Formation integrity test will be performed per 43 CFR Part 3172. On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with 43 CFR Part 3172.
N	Mewbourne Oil Company request a variance to use a 5000 psi annular BOP with a 10,000 psi BOP stack.

Mud Program

Depth (MD)	Mud Wt (ppg)	Mud Type
0' - 600'	8.4 - 8.6	Fresh Water
600' - 1800'	10.0 - 10.2	Brine
1800' - 9759'	8.6 - 9.7	Cut-Brine
9759' - 25245'	10.0 - 11.5	OBM

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

What will be used to monitor the loss or gain of fluid?	Pason/PVT/Visual Monitoring

Mewbourne Oil Company, Runway 26/30 Fed Com 828H
Sec 27, T22S, R26E
SHL: 1820' FSL 205' FEL (Sec 27)
BHL: 330' FSL 330' FEL (Sec 30)

Logging and Testing Procedures

Logging, Coring and Testing.	
Y	Will run GR/CNL from KOP (8859') to surface (horizontal well – vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM.
N	No logs are planned based on well control or offset log information. Offset Well:
N	Coring? If yes, explain:

Open & Cased Hole Logs Run In the Well

☐	Caliper	☐	Cement Bond Log	☐	CNL/FDC
☐	Compensated Densilog	☑	**Compensated Neutron Log**	☐	Computer Generated Log
☐	Dip Meter Log	☑	**Directional Survey**	☐	Dual Induction/Microresistivity
☐	Dual Lateral Log/Microspherically Focused	☐	Electric Log	☐	Formation Density Compensated Log
☑	**Gamma Ray Log**	☑	**Measurement While Drilling**	☐	Mud Log/Geological Lithology Log
☐	Other	☐	Porosity-Resistivity Log	☐	Sidewall Neutron Log
☐	Sonic Log	☐	Spontaneous Potential Log	☐	Temperature Log

Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	5688 psi
BH Temperature	165
Abnormal Temp, Pressure, or Geologic Hazards	No

Mitigation measure for abnormal conditions. Describe. Lost circulation material/sweeps/mud scavengers in surface hole. Weighted mud for possible over-pressure in Wolfcamp formation.

Hydrogen Sulfide (H2S) monitors will be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM.

	H2S is present
X	H2S Plan attached

Mewbourne Oil Company, Runway 26/30 Fed Com 828H
Sec 27, T22S, R26E
SHL: 1820' FSL 205' FEL (Sec 27)
BHL: 330' FSL 330' FEL (Sec 30)

Other facets of operation

Mewbourne Oil Company requests approval to implement additional designs as described below &/or in other attachments. BLM will be notified of elected design. Mewbourne Oil Company will not introduce any additives that contain PFAS chemicals in the completion or recompletion of the well.

☐ Deep Conductor

Offline Cementing Variance: Variance is requested to perform offline cementing according to the attached procedure. **R-111Q:** Mewbourne proposes performing Open Hole Cementing per R-111Q Guidelines if well is in Potash.

Casing Program Design B						BLM Minimum Safety Factors	1.125	1.0	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet
Casing String	Hole Diameter (in)	Top MD	Top TVD	Bottom MD	Bottom TVD	Casing Description	SF Collapse	SF Burst	SF Jt Tension	SF Body Tension
Surface	17.5"	0'	0'	600'	600'	13.375" 48# H40 STC	2.87	6.45	11.18	18.78
Intermediate	12.25"	0'	0'	1800'	1800'	9.625" 36# J55 LTC	2.12	3.69	6.99	8.70
Production	8.75"	0'	0'	9550'	9252'	7 5/8" 29.7# HCP110 GBCD	1.53	2.03	2.71	3.31
Liner	6.75"	8859'	8717'	25245'	9511'	5" 18# HPP110 Talon	2.72	2.79	3.85	3.85

All casing strings will be tested in accordance with 43 CFR Part 3172. 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.	Y
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?	N
If yes, does production casing cement tie back a minimum of 50' above the Reef?	
Is well within the designated 4 string boundary.	N
Is well located in SOPA but not in R-111-Q?	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-Q 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 an open annulus used to satisfy R-111-Q? If yes, see cement design.	
Is an engineered weak point used to satisfy R-111-Q?	
If yes, at what depth is the weak point planned?	
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?	Y
If yes, are there three strings cemented to surface?	Y

Design B - Cement Program

Casing	Cement Stage	# sx	Density (ppg)	Yield (ft^3/sack)	Depth (MD)	Volume (ft^3)	% Excess	Slurry Description
13.375 in	LEAD	270	12.5	2.12	0' - 410'	580	100%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	410' - 600'	268		Class C: Retarder
9.625 in	LEAD	230	12.5	2.12	0' - 1164'	490	25%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	1164' - 1800'	268		Class C: Retarder
1st Stg 7.625 in	LEAD	470	12.5	2.12	0' - 6488'	1000	25%	Class C: Salt, Gel, Extender, LCM, Defoamer
	TAIL	400	15.6	1.18	6488' - 9550'	472		Class H: Retarder, Fluid Loss, Defoamer
5.0 in	LEAD	1250	13.5	1.85	8859' - 25245'	2320	25%	Class H: Salt, Gel, Fluid Loss, Retarder, Dispersant, Defoamer, Anti-settling Agent

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	MEWBOURNE OIL COMPANY
WELL NAME & NO.:	RUNWAY 26/30 FED COM 828H
APD ID:	10400110100
LOCATION:	Section 27, T22S, R26E. NMP.
COUNTY:	Eddy County, New Mexico

COA

H_2S	○ No		◉ Yes	
Potash / WIPP	◉ None	○ Secretary	○ R-111-Q	☐ Open Annulus ☐ WIPP
Cave / Karst	○ Low	○ Medium	○ High	◉ Critical
Wellhead	○ Conventional	◉ Multibowl	○ Both	○ Diverter
Cementing	☐ Primary Squeeze	☐ Cont. Squeeze	☐ EchoMeter	☐ DV Tool
Special Req	☐ Capitan Reef	☐ Water Disposal	☑ COM	☐ Unit
Waste Prev.	○ Self-Certification	◉ Waste Man. Plan	○ APD Submitted prior to 06/10/2024	
Additional Language	☑ Flex Hose ☐ Four-String	☐ Casing Clearance ☑ Offline Cementing	☐ Pilot Hole ☐ Fluid-Filled	☑ Break Testing

The APD is located within the significant-impact zone of the Carlsbad Wellhead Protection Area. The operator must obtain a drilling permit from the City of Carlsbad prior to spud.

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H_2S) Drilling Plan shall be activated **AT SPUD**. As a result, the Hydrogen Sulfide area must meet **43 CFR 3176** requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

B. CASING DESIGN

1. The **13-3/8** inch surface casing shall be set at approximately **600 ft.** and cemented to the surface. Rustler is at surface; BLM accepts Seven Rivers as competent bed for surface casing set point for this well. Limited to no Salado formation is expected.
   a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic-type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after

Approval Date: 08/07/2026

completing the cement job.

b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or **500 psi compressive strength**, whichever is greater. (This is to include the lead cement)
c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 psi compressive strength, whichever is greater.
d. If cement falls back, remedial cementing will be done prior to drilling out that string.

2. The **9-5/8** inch intermediate casing shall be set in a competent bed at approximately **1,800 ft.** The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:

- **Cement to surface.** If cement does not circulate, see B.1.a, c-d above. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to **Cave/Karst**.

❖ In Critical Cave/Karst Areas cement must come to surface on the first three casing strings.

3. Operator has proposed to set **7-5/8 inch** production casing at approximately **9,759 ft.** (Landing point in Design A) or **9,550 ft.** (70º in the curve in Design B). The minimum required fill of cement behind the production casing is:

- **Cement to surface.** If cement does not circulate, contact the appropriate BLM office. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to **Cave/Karst**.

4. The minimum required fill of cement behind the **5-1/2 inch 20#** (or **5 inch 18#)** liner is:

- Cement should tie-back **at least 100 feet** into previous casing string. Operator shall provide method of verification.

Offline Cementing

Operator has been **(Approved)** to pump the proposed cement program offline in the **Surface and intermediate(s) intervals**. Offline cementing should commence within 24 hours of landing the casing for the interval. Notify the BLM 4hrs prior to the commencement of any offline cementing procedure at **Eddy County: 575-361-2822**.

C. PRESSURE CONTROL

1. Variance approved to use **flex line** from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).

2. Operator has proposed a **multi-bowl wellhead** assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout

preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi. The BOP/BOPE shall be pressure-tested in accordance with **title 43 CFR 3172.**

a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
c. Manufacturer representative shall install the test plug for the initial BOP test.
d. If the cement does not circulate and one-inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
e. Whenever any seal subject to test pressure is broken, all the tests in the **title 43 CFR 3172.6(b)(9)** must be followed.

BOPE Break Testing Variance (Approved)

- BOPE Break Testing is ONLY permitted for 5M BOPE or less. **(Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP)**
- BOPE Break Testing is NOT permitted to drilling the production hole section.
- Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation.
- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- Any well control event while drilling require notification to the BLM Petroleum Engineer **(575-706-2779)** prior to the commencement of any BOPE Break Testing operations.
- A full BOPE test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOPE test will be required. (200' TVD tolerance between intermediate shoes is allowable).
- The BLM is to be contacted **(575-361-2822 Eddy County)** 4 hours prior to BOPE tests.
- As a minimum, a full BOPE test shall be performed at **21**-day intervals.
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per **43 CFR part 3170 Subpart 3172**.
- If in the event break testing is not utilized, then a full BOPE test would be conducted.

D. SPECIAL REQUIREMENT (S)

Communitization Agreement

- The operator will submit a Communitization Agreement to the Santa Fe Office, 301 Dinosaur Trail Santa Fe, New Mexico 87508, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the

signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.

- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.

- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

a. Spudding well (minimum of 24 hours)
b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
c. BOPE tests (minimum of 4 hours)

Contact Eddy County Petroleum Engineering Inspection Staff:

Email or call the Carlsbad Field Office, 520 East Greene St., Carlsbad, NM 88220; BLM_NM_CFO_DrillingNotifications@BLM.GOV; (575) 361-2822.

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
   a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
   b. When the operator proposes to set surface casing with Spudder Rig
      i. Notify the BLM when moving in and removing the Spudder Rig.
      ii. Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
      iii. BOP/BOPE test to be conducted per **43 CFR 3172** as soon as 2nd Rig is rigged up on well.
2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the doghouse or stairway area.

3. For intervals in which cement to surface is required, cement to surface should be verified with a visual check and density or pH check to differentiate cement from spacer and drilling mud. The results should be documented in the driller's log and daily reports.

A. CASING & CEMENTING

1. The current acceptable methods of cement verification are as follows:
   i. Observing cement circulated to surface,
   ii. Cement Bond Log (CBL),
   iii. Temperature log within 8-10 hours after completing the cement job,
   iv. Echometer (if a second-stage bradenhead is being utilized and operator was granted approval prior to operations.)

2. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.

3. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends of both lead and tail cement, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.

4. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.

5. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.

6. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.

Approval Date: 08/07/2026

7. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
8. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
9. Whenever a casing string is cemented in the R-111-Q potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in **43 CFR 3172**.
2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
    i. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
    ii. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
    iii. Manufacturer representative shall install the test plug for the initial BOP test.
    iv. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.

v. If the cement does not circulate and one-inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.

5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.

i. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).

ii. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the cement plug with the casing valve open. (Only applies to single stage cement jobs, prior to the cement setting up.)

iii. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR 3172** with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for 8 hours or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).

iv. The test shall be run on a 5000-psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one-hour chart. A circular chart shall have a maximum 2-hour clock. If a twelve hour or twenty-four-hour chart is used, tester shall make a notation that it is run with a two hour clock.

v. The results of the test shall be reported to the appropriate BLM office.

vi. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.

vii. The BOP/BOPE test shall include a low-pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.

viii. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per **43 CFR 3172**.

C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

SA 04/09/2026

U. S. Steel Tubular Products

10/22/2025 3:37:37 PM

5.000" 18.00lb/ft (0.362" Wall) P110 HP USS-TALON HTQ™ RD



MECHANICAL PROPERTIES	Pipe	USS-TALON HTQ™ RD		[6]
Minimum Yield Strength	125,000	--	psi	--
Maximum Yield Strength	140,000	--	psi	--
Minimum Tensile Strength	130,000	--	psi	--
DIMENSIONS	**Pipe**	**USS-TALON HTQ™ RD**		**--**
Outside Diameter	5.000	5.340	in.	--
Wall Thickness	0.362	--	in.	--
Inside Diameter	4.276	4.276	in.	--
Standard Drift	4.151	4.151	in.	--
Alternate Drift	--	--	in.	--
Nominal Linear Weight, T&C	18.00	--	lb/ft	--
Plain End Weight	17.95	--	lb/ft	--
SECTION AREA	**Pipe**	**USS-TALON HTQ™ RD**		**--**
Critical Area	5.275	5.275	sq. in.	--
Joint Efficiency	--	100.0	%	[2]
PERFORMANCE	**Pipe**	**USS-TALON HTQ™ RD**		**--**
Minimum Collapse Pressure	15,460	15,460	psi	--
Minimum Internal Yield Pressure	15,850	15,850	psi	--
Minimum Pipe Body Yield Strength	659,000	--	lb	--
Joint Strength	--	659,000	lb	--
Compression Rating	--	659,000	lb	--
Reference Length	--	24,410	ft	[5]
Maximum Uniaxial Bend Rating	--	114.6	deg/100 ft	[3]
MAKE-UP DATA	**Pipe**	**USS-TALON HTQ™ RD**		**--**
Make-Up Loss	--	5.58	in.	--
Minimum Make-Up Torque	--	17,500	ft-lb	[4]
Maximum Make-Up Torque	--	20,500	ft-lb	[4]
Maximum Operating Torque	--	36,400	ft-lb	[4]

UNCONTROLLED

Notes

1. Other than proprietary collapse and connection values, performance properties have been calculated using standard equations defined by API 5C3 and do not incorporate any additional design or safety factors. Calculations assume nominal pipe OD, nominal wall thickness, and Specified Minimum Yield Strength (SMYS).
2. Joint efficiencies are calculated by dividing the connection critical area by the pipe body area.
3. Uniaxial bend rating shown is structural only.
4. Torques have been calculated assuming a thread compound friction factor of 1.0 and are recommended only. Field make-up torques may require adjustment based on actual field conditions (e.g. make-up speed, temperature, thread compound, etc.).
5. Reference length is calculated by Joint Strength divided by Nominal Linear Weight, T&C with a 1.5 Safety factor.
6. Coupling must meet minimum mechanical properties of the pipe.

Legal Notice

All material contained in this publication is for general information only. This material should not therefore be used or relied upon for any specific application without independent competent professional examination and verification of accuracy, suitability and applicability. Anyone making use of this material does so at their own risk and assumes any and all liability resulting from such use. U. S. Steel disclaims any and all expressed or implied warranties of fitness for any general or particular application.

U. S. Steel Tubular Products
460 Wildwood Forest Drive, Suite 300S
Spring, Texas 77380

1-877-893-9461
connections@uss.com
www.usstubular.com

AFMSS

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

Operator Certification Data Report

08/10/2026

Operator

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: MELONY LEAL **Signed on:** 02/16/2026

Title: Analyst

Street Address: 4801 BUSINESS PARK BLVD

City: HOBBS **State:** NM **Zip:** 88240

Phone: (575)393-5905

Email address: MLEAL@MEWBOURNE.COM

Field

Representative Name:

Street Address:

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

Phone:

Email address:

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

Application Data
08/10/2026

APD ID: 10400110100
Submission Date: 02/16/2026
Operator Name: MEWBOURNE OIL COMPANY
Well Name: RUNWAY 26/30 FED COM
Well Number: 828H
Well Type: CONVENTIONAL GAS WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes
Show Final Text

Section 1 - General

APD ID: 10400110100
Tie to previous NOS? N
Submission Date: 02/16/2026
BLM Office: Carlsbad
User: MELONY LEAL
Title: Analyst
Federal/Indian APD: FED
Is the first lease penetrated for production Federal or Indian? FED
Lease number: NMNM98152
Lease Acres: 320
Surface access agreement in place?
Allotted?
Reservation:
Agreement in place? YES
Federal or Indian agreement: FEDERAL
Agreement number: NMNM106780418
Agreement name:
Keep application confidential? Y
Permitting Agent? NO
APD Operator: MEWBOURNE OIL COMPANY
Operator letter of

Operator Info

Operator Organization Name: MEWBOURNE OIL COMPANY
Operator Address: P O BOX 5270
Zip: 88241
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: RUNWAY 26/30 FED COM
Well Number: 828H
Field/Pool or Exploratory? Field and Pool
Field Name: PURPLE SAGE
Pool Name: WOLFCAMP

Released to Imaging: 8/25/2026 4:08:59 PM

Operator Name: MEWBOURNE OIL COMPANY

Well Name: RUNWAY 26/30 FED COM **Well Number:** 828H

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

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

Type of Well Pad: MULTIPLE WELL **Multiple Well Pad Name:** RUNWAY 521 523 525 527 711 713 715 717 822 824 826 **Number:** 12

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

Well Work Type: Drill

Well Type: CONVENTIONAL GAS WELL

Describe Well Type:

Well sub-Type: INFILL

Describe sub-type:

Distance to town: 20 Miles **Distance to nearest well:** 20 FT **Distance to lease line:** 330 FT

Reservoir well spacing assigned acres Measurement: 1909.6 Acres

Well plat: RUNWAY_26_30_FED_COM_828H_C102_20260206093738.pdf

Well work start Date: 04/06/2026 **Duration:** 60 DAYS

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83 **Vertical Datum:** NAVD88

Survey number: None **Reference Datum:** KELLY BUSHING

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
SHL Leg #1	1820	FSL	205	FEL	22S	26E	27	Aliquot NESE	32.3610695	-104.2731211	EDDY	NEW MEXICO	NEW MEXICO	S	STATE	3229			Y
KOP Leg #1	330	FSL	243	FEL	22S	26E	27	Aliquot SESE	32.3569742	-104.2732339	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 98152	-5488	8859	8717	Y

Operator Name: MEWBOURNE OIL COMPANY

Well Name: RUNWAY 26/30 FED COM **Well Number:** 828H

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
PPP Leg #1-1	330	FSL	330	FWL	22S	26E	26	Aliquot SWSW	32.3569847	-104.2713788	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 98152	-6061	9759	9290	Y
EXIT Leg #1	330	FSL	330	FEL	22S	27E	30	Aliquot SESE	32.3570926	-104.2212359	EDDY	NEW MEXICO	NEW MEXICO	F	FEE	-6282	25245	9511	Y
BHL Leg #1	330	FSL	330	FEL	22S	27E	30	Aliquot SESE	32.3570926	-104.2212359	EDDY	NEW MEXICO	NEW MEXICO	F	FEE	-6282	25245	9511	Y

CONFIDENTIAL

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024 Submittal Type: ☑ Initial Submittal ☐ Amended Report ☐ As Drilled

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
30-015-58883	98220	PURPLE SAGE WOLFCAMP (GAS)

Property Code	Property Name	Well Number
337202	RUNWAY 26/30 FED COM	828H

OGRID No.	Operator Name	Ground Level Elevation
14744	MEWBOURNE OIL COMPANY	3229'

Surface Owner: ☑ State ☐ Fee ☐ Tribal ☐ Federal
Mineral Owner: ☑ State ☑ Fee ☐ Tribal ☑ Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
I	27	22S	26E		1820 FSL	205 FEL	32.3610695°N	104.2731211°W	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	30	22S	27E		330 FSL	330 FEL	32.3570926°N	104.2212359°W	EDDY

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
1909.6	DEFINING		Y Mewbourne	C

Order Numbers. N/A
Well setbacks are under Common Ownership: ☐ Yes ☑ No

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	27	22S	26E		330 FSL	243 FEL	32.3569742°N	104.2732339°W	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
M	26	22S	26E		330 FSL	330 FWL	32.3569847°N	104.2713788°W	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	30	22S	27E		330 FSL	330 FEL	32.3570926°N	104.2212359°W	EDDY

Unitized Area or Area of Uniform Interest	Spacing Unit Type ☑ Horizontal ☐ Vertical	Ground Floor Elevation:
N/A		3229'

OPERATOR CERTIFICATIONS

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and , if the well is a vertical or directional well, 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 a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

Brett Miller 01/30/2026

Signature Date

BRETT MILLER

Printed Name

BRETT.MILLER@MEWBOURNE.COM

Email Address

SURVEYOR CERTIFICATIONS

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

ROBERT M. HOWETT NEW MEXICO 19680 PROFESSIONAL SURVEYOR

Signature and Seal of Professional Surveyor

Robert M. Howett

Certificate Number	Date of Survey
19680	03/07/2025

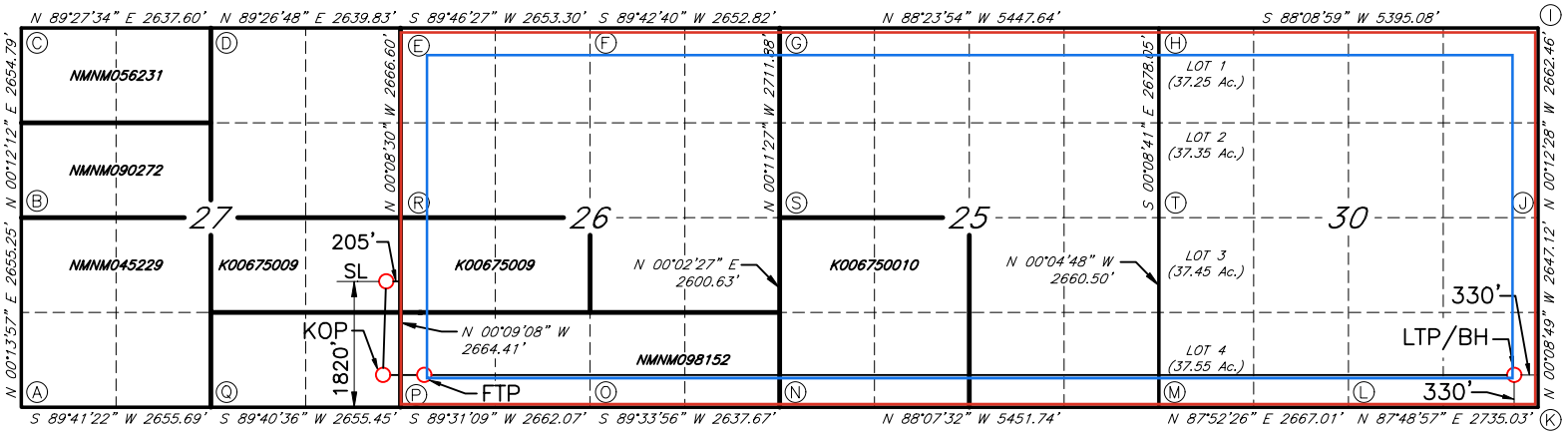
Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is a directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.

RUNWAY 26/30 FED COM #828H



GEODETIC DATA
NAD 83 GRID – NM EAST

SURFACE LOCATION (SL)
1820' FSL & 205' FEL – SEC.27
N: 495094.1 – E: 559929.1

LAT: 32.3610695° N
LONG: 104.2731211° W

KICK OFF POINT (KOP)
330' FSL & 243' FEL – SEC.27
N: 493604.2 – E: 559895.1

LAT: 32.3569742° N
LONG: 104.2732339° W

FIRST TAKE POINT (FTP)
330' FSL & 330' FWL – SEC.26
N: 493608.4 – E: 560467.9

LAT: 32.3569847° N
LONG: 104.2713788° W

LAST TAKE POINT/BOTTOM HOLE (LTP/BH)
330' FSL & 330' FEL – SEC.30
N: 493660.2 – E: 575951.0

LAT: 32.3570926° N
LONG: 104.2212359° W

CORNER DATA
NAD 83 GRID – NM EAST

A: FOUND BRASS CAP "1943"
N: 493246.3 – E: 554829.1

B: FOUND BRASS CAP "1943"
N: 495900.9 – E: 554839.9

C: FOUND BRASS CAP "1943"
N: 498555.0 – E: 554849.3

D: FOUND BRASS CAP "1943"
N: 498579.9 – E: 557486.1

E: FOUND 1" PIPE W/CAP STAMPED "PS5412"
N: 498605.4 – E: 560125.2

F: FOUND BRASS CAP "1943"
N: 498615.8 – E: 562777.8

G: CALCULATED CORNER
N: 498629.2 – E: 565430.0

H: CALCULATED CORNER
N: 498477.0 – E: 570874.2

I: FOUND COTTON SPINDLE
N: 498651.1 – E: 576265.1

J: FOUND COTTON SPINDLE
N: 495989.3 – E: 576274.8

K: FOUND 1/2" REBAR
N: 493342.8 – E: 576281.6

L: FOUND 1/4" REBAR W/PLASTIC CAP "REDDY PS5412"
N: 493238.6 – E: 573549.2

M: FOUND COTTON SPINDLE
N: 493139.7 – E: 570884.7

N: FOUND 3/4" REBAR W/PLASTIC CAP "REDDY PS5412"
N: 493318.0 – E: 565437.2

O: FOUND BRASS CAP "1943"
N: 493298.0 – E: 562800.2

P: FOUND BRASS CAP "1943"
N: 493275.7 – E: 560138.9

Q: FOUND BRASS CAP "1943"
N: 493260.7 – E: 557484.1

R: FOUND BRASS CAP "1943"
N: 495939.4 – E: 560131.8

S: FOUND 1/2" REBAR W/ALUMINUM CAP "REDDY PS5412"
N: 495918.0 – E: 565439.0

T: FOUND 1/2" REBAR W/ALUMINUM CAP "PE–PS5412"
N: 495799.6 – E: 570880.9

JOB #: LS2406057 4D2

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

Drilling Plan Data Report
08/10/2026

APD ID: 10400110100
Submission Date: 02/16/2026
Operator Name: MEWBOURNE OIL COMPANY
Well Name: RUNWAY 26/30 FED COM
Well Number: 828H
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	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
18643154	UNKNOWN	3229	28	28	OTHER : Topsoil	NONE	N
18643168	LAMAR	1633	1596	1596	LIMESTONE	NATURAL GAS, OIL	N
18643155	BELL CANYON	1406	1823	1823	SANDSTONE	NATURAL GAS, OIL	N
18643157	CHERRY CANYON	864	2365	2365	SANDSTONE	NATURAL GAS, OIL	N
18643158	MANZANITA	648	2581	2581	LIMESTONE	NATURAL GAS, OIL	N
18643159	BRUSHY CANYON	-207	3436	3436	SANDSTONE	NATURAL GAS, OIL	N
18643169	BONE SPRING	-1828	5057	5057	LIMESTONE, SHALE	NATURAL GAS, OIL	N
18643163	BONE SPRING 1ST	-2834	6063	6063	SANDSTONE	NATURAL GAS, OIL	N
18643164	BONE SPRING 2ND	-3380	6609	6609	SANDSTONE	NATURAL GAS, OIL	N
18643165	BONE SPRING 3RD	-4991	8220	8220	SANDSTONE	NATURAL GAS, OIL	N
18643166	WOLFCAMP	-5403	8632	8632	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	Y

Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M
Rating Depth: 24245

Equipment: Annular, Pipe Rams, Blind Rams, 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.
Requesting Variance? YES

Variance request: A variance is requested for the use of a flexible choke line from the BOP to the choke manifold. See attached for hydrostatic test chart. Anchors are not required by manufacturer. Variance is requested to use a multi bowl wellhead. Variance is requested to perform break testing according to attached procedure. If a breaktesting variance is approved & incorporated, API Standard 53 will be incorporated and testing annular BOP to 70% of RWP or 100% of MASP, whichever is greater, will be performed.

Operator Name: MEWBOURNE OIL COMPANY

Well Name: RUNWAY 26/30 FED COM **Well Number:** 828H

Testing Procedure: BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per 43 CFR Part 3172 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.

Choke Diagram Attachment:

5M_BOPE_Choke_Diagram_20260206094056.pdf

Flex_Line_Specs_API_16C_20260206094100.pdf

BOP Diagram Attachment:

5M_BOPE_Schematic_20260206094107.pdf

Vault_5K_with_7.625_csg_WH_20260206094111.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	600	0	600	3229	2629	600	H-40	48	ST&C	2.87	6.45	DRY	11.18	DRY	18.78
2	INTERMEDIATE	12.25	9.625	NEW	API	N	0	1800	0	1800	3229	1429	1800	J-55	36	LT&C	2.12	3.69	DRY	6.99	DRY	8.7
3	PRODUCTION	8.75	7.625	NEW	API	N	0	9759	0	9290	3615	-6061	9759	HCP-110	29.7	OTHER - GBCD	1.53	2.02	DRY	2.65	DRY	3.24
4	LINER	6.125	5.5	NEW	API	N	8859	25245	8717	9511	-5488	-6282	16386	OTHER - HPP 110	20	OTHER - TALON	1.95	2.22	DRY	2.88	DRY	3.37

Casing Attachments

Operator Name: MEWBOURNE OIL COMPANY

Well Name: RUNWAY 26/30 FED COM **Well Number:** 828H

Casing Attachments

Casing ID: 1 **String** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

13.375in_48__H40_STC_Csg_20260206094321.pdf

Casing ID: 2 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

9.625in_36_J55_LTC_Csg_20260206094309.pdf

Casing ID: 3 **String** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

7.625in_29.7__HCP110_GBCD_Slim_Csg_20260206094155.pdf

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Operator Name: MEWBOURNE OIL COMPANY

Well Name: RUNWAY 26/30 FED COM **Well Number:** 828H

Casing Attachments

Casing ID: 4 **String** LINER

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

5.5in_20__HPP110_Talon_Csg_20260206094246.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	410	70	2.12	12.5	5880	100	Class C	Salt, Gel, Extender, LCM
SURFACE	Tail		410	600	200	1.34	14.8	268	100	Class C	Retarder
INTERMEDIATE	Lead		0	1164	230	2.12	12.5	490	25	CLASS C	SALT GEL EXTENDER LCM
INTERMEDIATE	Tail		1164	1800	200	1.34	14.8	268	25	CLASS C	RETARDER
PRODUCTION	Lead	5886	1600	2031	50	2.12	12.5	110	25	Class C	Salt, Gel, Extender, LCM Defoamer
PRODUCTION	Tail		2031	2556	100	1.34	14.8	134	25	Class C	Retarder, Fluid Loss, Defoamer
PRODUCTION	Lead	2556	2556	6072	210	2.12	12.5	450	25	CLASS C	GEL EXTENDER LCM DEFAOMER
PRODUCTION	Tail		6072	9759	400	1.18	15.6	472	25	CLASS H	FLUID LOSS DEFOAMER
LINER	Lead		8859	25245	940	1.85	13.5	1740	25	Class H	Salt, Gel, Fluid Loss, Retarder, Dispersant, Defoamer, Anti-settling agent

Additional Cementing Information:

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Operator Name: MEWBOURNE OIL COMPANY

Well Name: RUNWAY 26/30 FED COM **Well Number:** 828H

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 43 CFR 3172:

Diagram of the equipment for the circulating system in accordance with 43 CFR 3172:

Describe what will be on location to control well or mitigate other conditions: Formation integrity test will be performed per 43 CFR Part 3172. On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with 43 CFR Part 3172.

Describe the mud monitoring system utilized: Pason/PVT/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	600	SPUD MUD	8.4	8.6							
600	1800	SPUD MUD	8.4	8.6							
1800	9759	WATER-BASED MUD	8.6	9.7							
9759	25245	OIL-BASED MUD	10	11.5							

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Operator Name: MEWBOURNE OIL COMPANY

Well Name: RUNWAY 26/30 FED COM **Well Number:** 828H

Section 6 - Test, Logging, Coring

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

Will run GR/CNL from KOP (8859') to surface (horizontal well vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM.

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

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

Coring operation description for the well:

None

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 5688 **Anticipated Surface Pressure:** 3595

Anticipated Bottom Hole Temperature(F): 165

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

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations

H2S_Plan_20260707102330.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

RUNWAY_26_30_FED_COM_828H_Dir_Plan_20260206095000.pdf

RUNWAY_26_30_FED_COM_828H_Dir_Plot_20260206095005.pdf

Other proposed operations facets description:

Variance is requested to perform offline cementing according to the attached procedure. R-111Q Varaince:
Variance is requested to perform Open Hole
Cementing Variance per R-111Q Guidelines if well is in Potash.

Other proposed operations facets attachment:

NGMP_20260206092656.pdf

Runway_26_30_Fed_Com_828H_Drlg_Program_20260723085739.pdf

Other Variance request(s)?: Y

Other Variance attachment:

MOC_Break_Testing_Variance_20251107131418.pdf

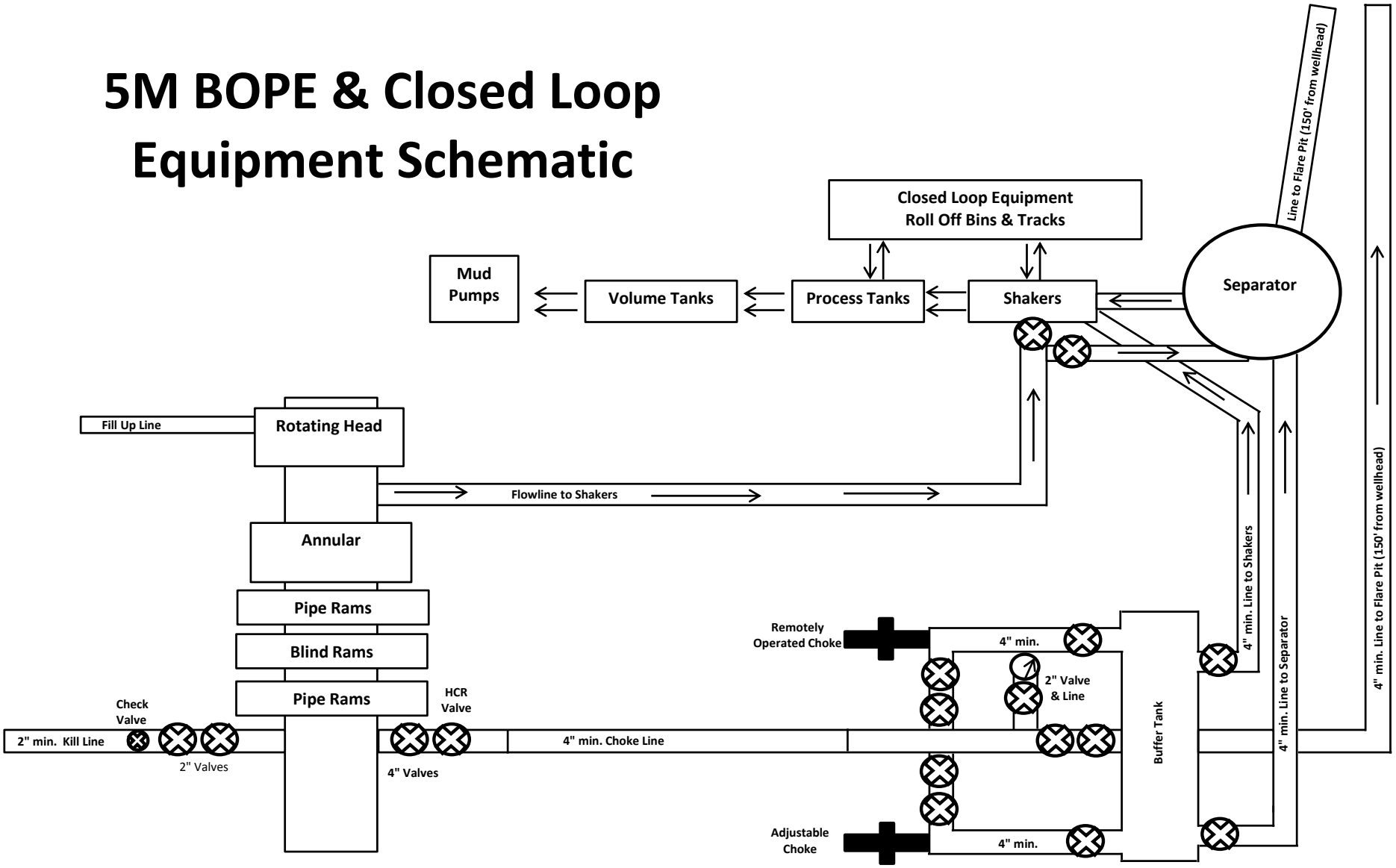
Operator Name: MEWBOURNE OIL COMPANY

Well Name: RUNWAY 26/30 FED COM **Well Number:** 828H

MOC_Offline_Cementing_Variance_20251107131418.pdf

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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.

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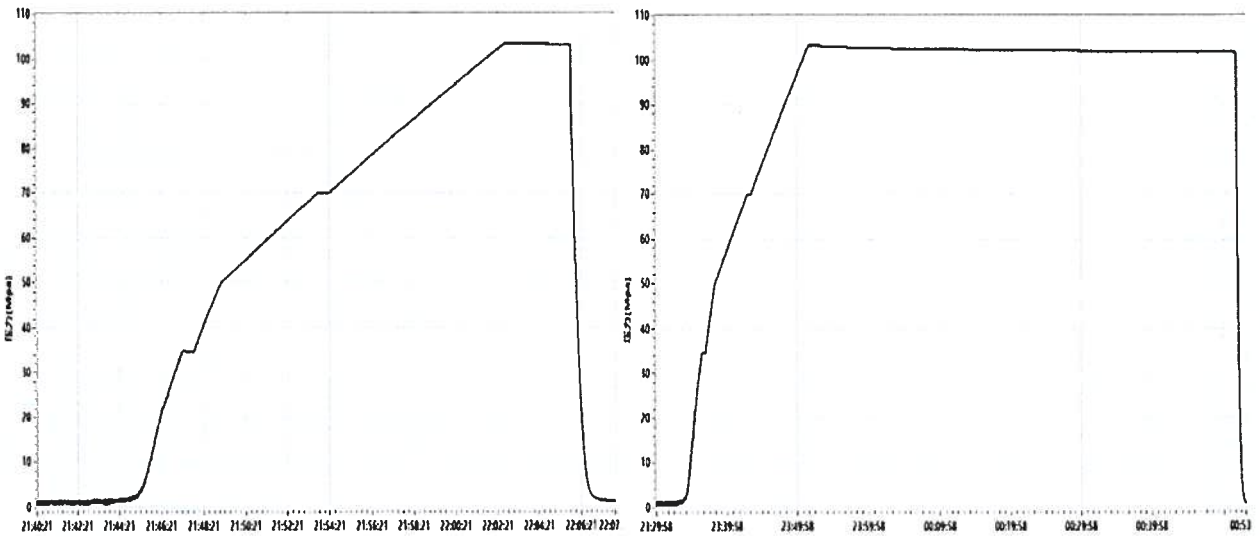
LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD

HYDROSTATIC TESTING REPORT

LTYY/QR-5.7.1-28 №: 230826015

Product Name	Choke And Kill Hose	Standard	API Spec 16C 3rd edition
Product Specification	3″×10000psi×60ft（18.29m）	Serial Number	7660144
Inspection Equipment	MTU-BS-1600-3200-E	Test medium	Water
Inspection Department	Q.C. Department	Inspection Date	2023.08.26
Rate of length change			
Standard requirements	At working pressure ,the rate of length change should not more than ±2%		
Testing result	10000psi (69.0MPa) ,Rate of length change 0.7%		
Hydrostatic testing			
Standard requirements	At 1.5 times working pressure, the initial pressure-holding period of not less than three minutes, the second pressure-holding period of not less than one hour, no leaks.		
Testing result	15000psi (103.5MPa), 3 min for the first time, 60 min for the second time, no leakage		

Graph of pressure testing:



Conclusion	The inspected items meet standard requirements of API Spec 16C 3rd edition				
Approver	Jiaolong Chen	Auditor	Hliqing Dong	Inspector	Zhansheng Wang

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LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD

CERTIFICATE OF QUALITY

LTYY/QR-5.7.1-19B №: LT2023-126-002

Customer Name	Austin Hose		
Product Name	Choke And Kill Hose		
Product Specification	3″×10000psi×60ft（18.29m）	Quantity	2PCS
Serial Number	7660143~7660144	FSL	FSL3
Temperature Range	-29℃～+121℃	Standard	API Spec 16C 3rd edition
Inspection Department	Q.C. Department	Inspection date	2023.08.26

Inspection Items	Inspection results
Appearance Checking	In accordance with API Spec 16C 3rd edition
Size and Lengths	In accordance with API Spec 16C 3rd edition
Dimensions and Tolerances	In accordance with API Spec 16C 3rd edition
End Connections: 4-1/16″×10000psi Integral flange for sour gas service	In accordance with API Spec 6A 21st edition
End Connections: 4-1/16″×10000psi Integral flange for sour gas service	In accordance with API Spec 17D 3rd edition
Hydrostatic Testing	In accordance with API Spec 16C 3rd edition
product Marking	In accordance with API Spec 16C 3rd edition
Inspection conclusion	The inspected items meet standard requirements of API Spec 16C 3rd edition
Remarks	

Approver	Jiaolong Chen	Auditor	Hliqing Dong	Inspector	Zhansheng Wang

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LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD

CERTIFICATE OF CONFORMANCE

№:LT230826016

Product Name：Choke And Kill Hose

Product Specification：3″×10000psi×60ft（18.29m）

Serial Number：7660143~7660144

End Connections: 4-1/16″×10000psi Integral flange for sour gas service

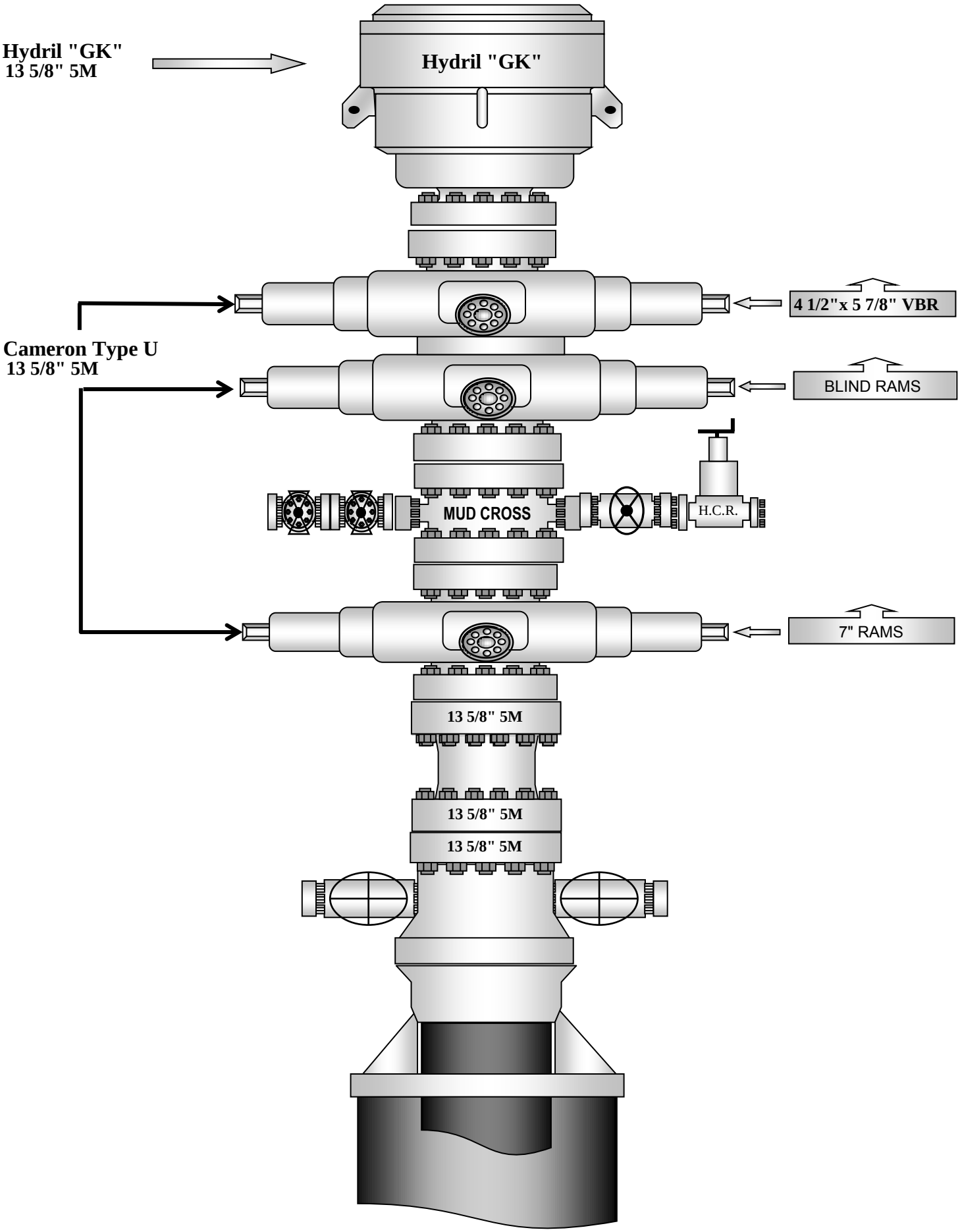
The Choke And Kill Hose assembly was produced by LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD . in Aug 2023, and inspected by LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD. according to API Spec 16C 3rd edition on Aug 26, 2023. The overall condition is good. This is to certify that the Choke And Kill Hose complies with all current standards and specifications for API Spec 16C 3rd edition .

QC Manager：Jiaolong Chen　　Date:Aug 26, 2023

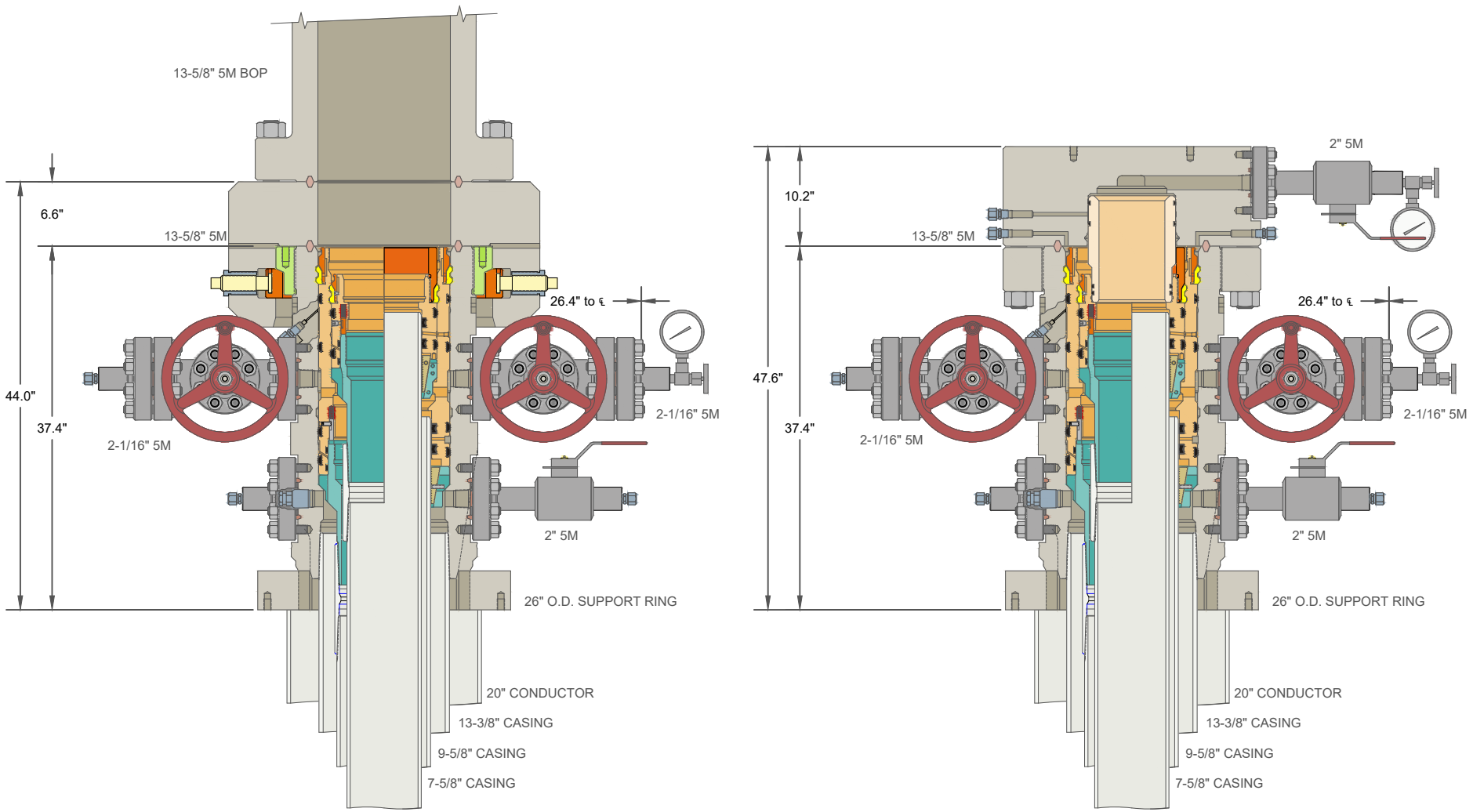
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5M BOPE Schematic



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VAULT PRESSURE CONTROL

20" X 13-3/8" X 9-5/8" X 7-5/8" 5/10M RSH-2N WELLHEAD ASSEMBLY, WITH TA CAP

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REVIEWED BY:		Rev. NC	Sht. 1 of 1
APPROVED BY:		DATE:	3/3/2025

MEWBOURNE OIL COMPANY

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tex-isle

Casing Performance Data Sheet
Manufactured to API 5CT
With GB CD Slim Connection

Grade	*P110 HC*
OD	*7.625”*
Nominal Wall Thickness	*0.375”*
Nominal Weight, T&C	*29.700 lb/ft*
Nominal Weight, PE	*29.060 lb/ft*
Nominal ID	*6.875”*
Standard Drift	*6.750”*

Performance Properties

Collapse Rating	*6,700 psi*
Internal Pressure Yield	*9,460 psi*
Pipe body Tension Yield	*940,000 lbs*

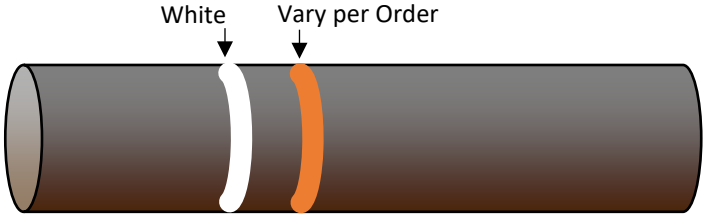
Connection Performance per GB

GB CD Slim Hole 7.900 COUPLING GEOMETRY			
Coupling OD (in.)	7.900	Makeup Loss (in.)	4.8125
Coupling Length (in.)	9.625	Critical Cross-Sect. (in.^{2})	6.721

GB CD Slim Hole 7.900 CONNECTION PERFORMANCE RATINGS/EFFICIENCIES						
Material Specification	API P-110	Min. Yield Str. (psi)		110,000	Min. Ultimate Str. (psi)	125,000
Tension		**Efficiency**			**Bending**	
			Gas	**Liquid*** **		
Tension OD Turn (kips)	776	Internal Pressure (%)	83%	100%	Build Rate to Yield (°/100 ft)	59.3
Thread Str. (kips)	794	External Pressure (%)	100%		**Yield Torque**	
Min. Tension Yield (kips)	702	Tension (%)	85%		Yield Torque (ft-lbs)	48,860
Min. Tension Ult. (kips)	798	Compression (%)	85%			
Joint Str. (kips)	794	Ratio of Areas (Cplg/Pipe)	0.79			
		Ratio of Areas (Cplg/OD Turn)	0.95			

MAKEUP TORQUE					
Min. MU Tq. (ft-lbs)	10,000	Max. MU Tq. (ft-lbs)	20,000	Running Tq. (ft-lbs)	See GBC RP
				Max. Operating Tq. (ft-lbs)*	46,410

Color Code



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U. S. Steel Tubular Products

8/10/2024 7:28:17 PM

5.500" 20.00lb/ft (0.361" Wall) P110 HP USS-TALON HTQ™ RD



MECHANICAL PROPERTIES	Pipe	USS-TALON HTQ™ RD		[6]
Minimum Yield Strength	125,000	--	psi	--
Maximum Yield Strength	140,000	--	psi	--
Minimum Tensile Strength	130,000	--	psi	--
DIMENSIONS	**Pipe**	**USS-TALON HTQ™ RD**		**--**
Outside Diameter	5.500	5.900	in.	--
Wall Thickness	0.361	--	in.	--
Inside Diameter	4.778	4.778	in.	--
Standard Drift	4.653	4.653	in.	--
Alternate Drift	--	--	in.	--
Nominal Linear Weight, T&C	20.00	--	lb/ft	--
Plain End Weight	19.83	--	lb/ft	--
SECTION AREA	**Pipe**	**USS-TALON HTQ™ RD**		**--**
Critical Area	5.828	5.828	sq. in.	--
Joint Efficiency	--	100.0	%	[2]
PERFORMANCE	**Pipe**	**USS-TALON HTQ™ RD**		**--**
Minimum Collapse Pressure	13,150	13,150	psi	--
Minimum Internal Yield Pressure	14,360	14,360	psi	--
Minimum Pipe Body Yield Strength	729,000	--	lb	--
Joint Strength	--	729,000	lb	--
Compression Rating	--	729,000	lb	--
Reference Length	--	24,300	ft	[5]
Maximum Uniaxial Bend Rating	--	104.2	deg/100 ft	[3]
MAKE-UP DATA	**Pipe**	**USS-TALON HTQ™ RD**		**--**
Make-Up Loss	--	5.58	in.	--
Minimum Make-Up Torque	--	18,400	ft-lb	[4]
Maximum Make-Up Torque	--	21,400	ft-lb	[4]
Maximum Operating Torque	--	44,400	ft-lb	[4]

UNCONTROLLED

Notes

1. Other than proprietary collapse and connection values, performance properties have been calculated using standard equations defined by API 5C3 and do not incorporate any additional design or safety factors. Calculations assume nominal pipe OD, nominal wall thickness, and Specified Minimum Yield Strength (SMYS).
2. Joint efficiencies are calculated by dividing the connection critical area by the pipe body area.
3. Uniaxial bend rating shown is structural only.
4. Torques have been calculated assuming a thread compound friction factor of 1.0 and are recommended only. Field make-up torques may require adjustment based on actual field conditions (e.g. make-up speed, temperature, thread compound, etc.).
5. Reference length is calculated by Joint Strength divided by Nominal Linear Weight, T&C with a 1.5 Safety factor.
6. Coupling must meet minimum mechanical properties of the pipe.

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Spring, Texas 77380

1-877-893-9461
connections@uss.com
www.usstubular.com

Tenaris

API LTC

Coupling	Pipe Body
Grade: **J55 (Casing)**	Grade: **J55 (Casing)**
Body: **Bright Green**	1st Band: **Bright Green**
1st Band: **White**	2nd Band: **-**
2nd Band: **-**	3rd Band: **-**
3rd Band: **-**	4th Band: **-**

Outside Diameter	9.625 in.	**Wall Thickness**	0.352 in.	**Grade**	J55 (Casing)
Min. Wall Thickness	87.50 %	**Pipe Body Drift**	API Standard	**Type**	Casing
Connection OD Option	Regular				

Pipe Body Data

Geometry				Performance	
Nominal OD	9.625 in.	**Drift**	8.765 in.	**SMYS**	55,000 psi
Wall Thickness	0.352 in.	**Plain End Weight**	34.89 lb/ft	**Min UTS**	75,000 psi
Nominal Weight	36 lb/ft	**OD Tolerance**	API	**Body Yield Strength**	564 x1000 lb
Nominal ID	8.921 in.			**Min. Internal Yield Pressure**	3520 psi
				Collapse Pressure	2020 psi
				Max. Allowed Bending	26 °/100 ft

Connection Data

Geometry		Performance		Make-Up Torques	
Thread per In	8	**Joint Strength**	453 x1000 lb	**Minimum Torque**	3400 ft-lb
Connection OD	10.625 in.	**Coupling Face Load**	433 x1000 lb	**Optimum Torque**	4530 ft-lb
Hand Tight Stand Off	3.500 in.	**Internal Pressure Capacity**	3520 psi	**Maximum Torque**	5660 ft-lb

Notes

For products according to API Standards 5CT & 5B; Performance calculated considering API Technical Report 5C3 (Sections 9 & 10) equations.
For geometrical and steel grades combinations not considered in the API Standards 5CT and/or 5B; Performance calculations indirectly derived from API Technical Report 5C3 (Sections 9 & 10) equations.
Couplings OD are shown according to current API 5CT 10th Edition.

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Tenaris

API STC

Coupling	Pipe Body
Grade: **H40**	Grade: **H40**
Body: **-**	1st Band: **Black**
1st Band: **Black**	2nd Band: **-**
2nd Band: **-**	3rd Band: **-**
3rd Band: **-**	4th Band: **-**

Outside Diameter	13.375 in.	**Wall Thickness**	0.330 in.	**Grade**	H40
Min. Wall Thickness	87.50 %	**Pipe Body Drift**	API Standard	**Type**	Casing
Connection OD Option	Regular				

Pipe Body Data

Geometry				Performance	
Nominal OD	13.375 in.	**Drift**	12.559 in.	**SMYS**	40,000 psi
Wall Thickness	0.330 in.	**Plain End Weight**	46.02 lb/ft	**Min UTS**	60,000 psi
Nominal Weight	48 lb/ft	**OD Tolerance**	API	**Body Yield Strength**	541 x1000 lb
Nominal ID	12.715 in.			**Min. Internal Yield Pressure**	1730 psi
				Collapse Pressure	740 psi
				Max. Allowed Bending	14 °/100 ft

Connection Data

Geometry		Performance		Make-Up Torques	
Thread per In	8	**Joint Strength**	322 x1000 lb	**Minimum Torque**	2420 ft-lb
Connection OD	14.375 in.	**Coupling Face Load**	377 x1000 lb	**Optimum Torque**	3220 ft-lb
Hand Tight Stand Off	3.500 in.	**Internal Pressure Capacity**	1730 psi	**Maximum Torque**	4030 ft-lb

Notes

For products according to API Standards 5CT & 5B; Performance calculated considering API Technical Report 5C3 (Sections 9 & 10) equations.
For geometrical and steel grades combinations not considered in the API Standards 5CT and/or 5B; Performance calculations indirectly derived from API Technical Report 5C3 (Sections 9 & 10) equations.
Couplings OD are shown according to current API 5CT 10th Edition.

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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 surface casing shoe.

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. Escape

Assumed 100 ppm ROE = 3000’ (Radius of Exposure) 100 ppm H2S concentration shall trigger activation of this plan.

Escape Crews shall escape upwind of escaping gas in the event of an emergency release of gas. Escape can be facilitated from the location entrance road. Crews should then block the entrance to the location from the lease road so as not to allow anyone traversing into a hazardous area. The blockade should be at a safe distance outside of the ROE. Assumed 100 ppm ROE = 3000’

100 ppm H2S concentration shall trigger activation of this plan.

Emergency Procedures

In the event of a release of gas containing H2S, the first responder(s) must
• Isolate the area and prevent entry by other persons into the 100 ppm ROE.
• Evacuate any public places encompassed by the 100 ppm ROE.
• Be equipped with H2S monitors and air packs in order to control the release.
• Use the “buddy system” to ensure no injuries occur during the response
• Take precautions to avoid personal injury during this operation.
• Contact operator and/or local officials to aid in operation. See list of phone numbers attached.
• Have received training in the
1. Detection of H2S, and
2. Measures for protection against the gas,
3. Equipment used for protection and emergency response.

Ignition of Gas Source

Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO2). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally the NM State Police may become involved. NM State Police shall be the Incident Command on scene of any major release. Take care to protect downwind whenever there is an ignition of the gas.

8. 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.

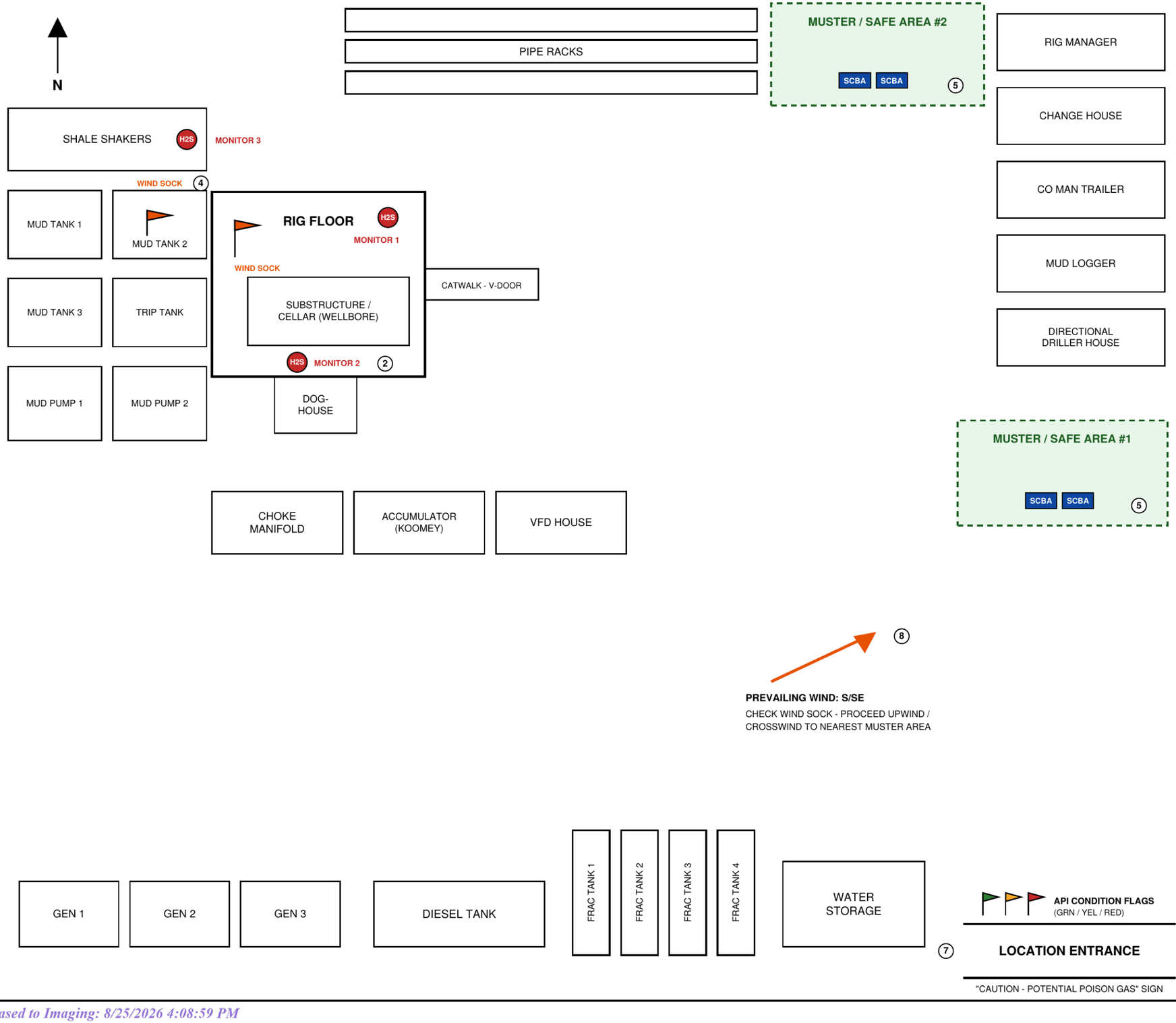
9. Emergency Phone Numbers

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**

DRILLING RIG LOCATION EQUIPMENT PLAT - H2S CONTINGENCY OVERLAY (BLM 43 CFR 3179) - REV 3

NOT TO SCALE | TYPICAL PAD DIMENSIONS APPROX. 400' x 350' | DATE: 06-12-2026



LEGEND - H2S OVERLAY SYMBOLS

- H2S — FIXED H2S MONITOR - NUMBERED: 1 = RIG FLOOR 2 = SUBSTRUCTURE 3 = SHAKERS
- WIND SOCK (2 TOTAL - RIG FLOOR / ON MUD PITS)
- MUSTER / SAFE BRIEFING AREA (2 TOTAL)
- SCBA — SCBA UNIT - 2 PER MUSTER AREA (4 TOTAL)
- API CONDITION FLAG STATION (GRN / YEL / RED)
- (0) KEYED NOTE - SEE 43 CFR 3179 NOTES BELOW

43 CFR 3179 COMPLIANCE NOTES

(1) MONITOR 1 - RIG FLOOR: breathing-zone sensor covering the rotary and flowline area where the crew works (43 CFR 3179.201 / API RP 49 coverage).

(2) MONITOR 2 - SUBSTRUCTURE / CELLAR: fixed sensor in the cellar, directly beneath the rotary. This is the FIRST point where gas entrained in returning mud breaks out of the wellbore, and the LOWEST confined space on location. H2S is heavier than air (vapor density approx. 1.19) and settles and concentrates here, so this sensor gives the earliest possible warning of a kick or gassy returns. Continuous monitoring while circulating; audible + visual alarm at 10 ppm per the site H2S contingency plan.

(3) MONITOR 3 - SHALE SHAKERS: gas is liberated as returning mud crosses the shaker screens; sensor covers shaker hands working the pits (43 CFR 3179.201 / API RP 49).

(4) WIND SOCKS: one ELEVATED on the rig floor and one mounted directly ON the mud pits, so wind direction is visible from every work area at all times (43 CFR 3179.201(b) wind direction equipment).

(5) MUSTER / SAFE AREAS: two briefing areas on opposite sides (#1 at the Co Man / trailer row, #2 at the pipe racks) so at least one is always upwind or crosswind of the wellbore.

(6) SCBA: two self-contained breathing apparatus units staged at each muster area (4 total) per 43 CFR 3179.201(d) protective breathing equipment.

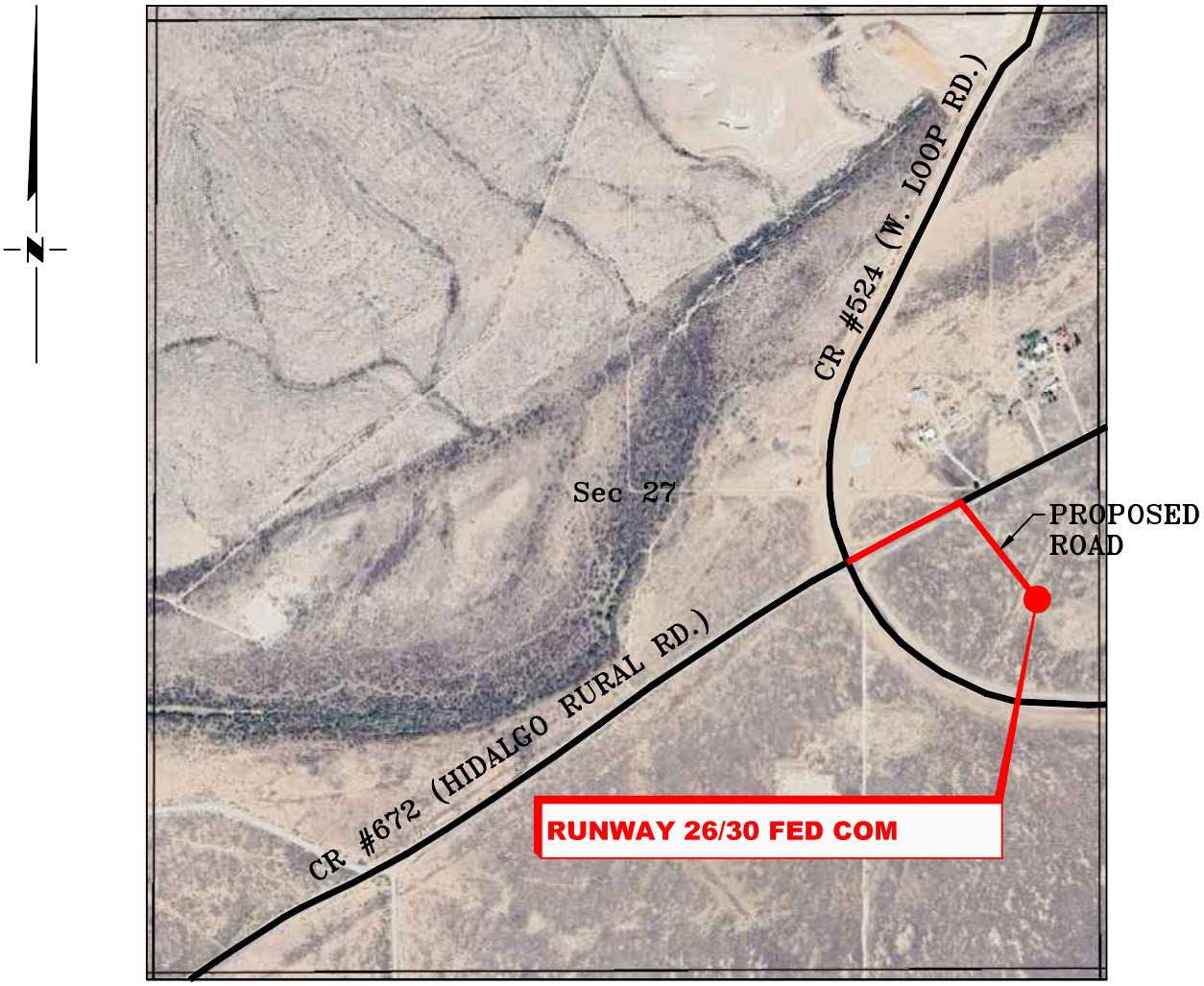
(7) LOCATION ENTRANCE: single controlled entrance at the southeast corner of the pad (noted on plat). API CONDITION FLAGS displayed AT THE ENTRANCE with caution signage: GREEN = normal, YELLOW = potential H2S, RED = H2S present, danger - do not enter (43 CFR 3179.201 / API RP 49 warning system).

(8) WIND READING: verify wind direction via wind socks before and during operations; on alarm, move upwind/crosswind to the nearest muster area and account for all personnel before re-entry.

REFERENCE: 43 CFR PART 3179 (BLM) AND API RP 49.
ALL ORIGINAL EQUIPMENT SHOWN; H2S OVERLAY ITEMS IN COLOR ONLY.

VICINITY MAP

NOT TO SCALE



SECTION 27, TWP. 22 SOUTH, RGE. 26 EAST,
N. M. P. M., EDDY CO., NEW MEXICO

OPERATOR: Mewbourne Oil Company
LEASE: Runway 26/30 Fed Com
WELL NO.:

LOCATION: 1820' FSL & 225' FEL
ELEVATION: 3229'

NO.	REVISION	DATE
4	NAME CHANGE	01/19/26
3	SL MOVE	03/07/25
2	RESTAKE	01/26/25
JOB NO.: LS24060576D2		
DWG. NO.: 24060576D2-4		

RRC ENERGY SERVICES, LLC.
701 S. CECIL ST., HOBBS, NM 88240 (575) 964-8200

SCALE: N. T. S.
DATE: 06/25/2024
SURVEYED BY: ML/JH
DRAWN BY: AR
APPROVED BY: RMH
SHEET: 1 OF 1

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Mewbourne Oil Company

Eddy County, New Mexico NAD 83
Runway 26/30 Fed Com #828H
Sec 27, T22S, R26E
SHL: 1820' FSL & 205' FEL (Sec 27)
BHL: 330' FSL & 330' FEL (Sec 30)

Plan: Design #1

Standard Planning Report

30 January, 2026

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Runway 26/30 Fed Com #828H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3257.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3257.0usft (Original Well Elev)
Site:	Runway 26/30 Fed Com #828H	**North Reference:**	Grid
Well:	Sec 27, T22S, R26E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 330' FSL & 330' FEL (Sec 30)		
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 Runway 26/30 Fed Com #828H

Site Position:		**Northing:**	495,094.10 usft	**Latitude:**	32.3610696
From:	Map	**Easting:**	559,929.10 usft	**Longitude:**	-104.2731209
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "		

Well Sec 27, T22S, R26E

Well Position	**+N/-S**	0.0 usft	**Northing:**	495,094.10 usft	**Latitude:**	32.3610696
	+E/-W	0.0 usft	**Easting:**	559,929.10 usft	**Longitude:**	-104.2731209
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	3,257.0 usft	**Ground Level:**	3,229.0 usft
Grid Convergence:		0.03 °				

Wellbore BHL: 330' FSL & 330' FEL (Sec 30)

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/31/2014	7.48	60.11	48,244.54398465

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	95.11

Plan Survey Tool Program **Date** 1/30/2026

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	25,245.4	Design #1 (BHL: 330' FSL & 330'		

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Well:	Sec 27, T22S, R26E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 330' FSL & 330' FEL (Sec 30)		
Design:	Design #1		

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	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,157.8	11.16	181.31	1,154.2	-54.1	-1.2	2.00	2.00	0.00	181.31	
8,301.2	11.16	181.31	8,162.8	-1,435.8	-32.8	0.00	0.00	0.00	0.00	
8,859.0	0.00	0.00	8,717.0	-1,489.9	-34.0	2.00	-2.00	0.00	180.00	KOP: 330' FSL & 243'
9,743.8	88.44	90.23	9,290.0	-1,492.1	523.6	10.00	10.00	0.00	90.23	
17,041.3	88.44	90.23	9,489.0	-1,521.5	7,818.3	0.00	0.00	0.00	0.00	Mid-Lateral Target: 33
17,123.6	89.85	89.38	9,490.2	-1,521.2	7,900.6	2.00	1.72	-1.03	-30.94	BHL: 330' FSL & 330'
25,245.4	89.85	89.38	9,511.5	-1,433.9	16,021.9	0.00	0.00	0.00	0.00	BHL: 330' FSL & 330'

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Site:	Runway 26/30 Fed Com #828H	**North Reference:**	Grid
Well:	Sec 27, T22S, R26E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 330' FSL & 330' FEL (Sec 30)		
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 Enter K00675009:1820' FSL & 205' FEL (Sec 27)									
50.0	0.00	0.00	50.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
150.0	0.00	0.00	150.0	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
250.0	0.00	0.00	250.0	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
350.0	0.00	0.00	350.0	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
450.0	0.00	0.00	450.0	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
550.0	0.00	0.00	550.0	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
650.0	1.00	181.31	650.0	-0.4	0.0	0.0	2.00	2.00	0.00
700.0	2.00	181.31	700.0	-1.7	0.0	0.1	2.00	2.00	0.00
750.0	3.00	181.31	749.9	-3.9	-0.1	0.3	2.00	2.00	0.00
800.0	4.00	181.31	799.8	-7.0	-0.2	0.5	2.00	2.00	0.00
850.0	5.00	181.31	849.7	-10.9	-0.2	0.7	2.00	2.00	0.00
900.0	6.00	181.31	899.5	-15.7	-0.4	1.0	2.00	2.00	0.00
950.0	7.00	181.31	949.1	-21.3	-0.5	1.4	2.00	2.00	0.00
1,000.0	8.00	181.31	998.7	-27.9	-0.6	1.9	2.00	2.00	0.00
1,050.0	9.00	181.31	1,048.2	-35.3	-0.8	2.3	2.00	2.00	0.00
1,100.0	10.00	181.31	1,097.5	-43.5	-1.0	2.9	2.00	2.00	0.00
1,150.0	11.00	181.31	1,146.6	-52.6	-1.2	3.5	2.00	2.00	0.00
1,157.8	11.16	181.31	1,154.2	-54.1	-1.2	3.6	2.00	2.00	0.00
1,200.0	11.16	181.31	1,195.7	-62.3	-1.4	4.1	0.00	0.00	0.00
1,250.0	11.16	181.31	1,244.7	-72.0	-1.6	4.8	0.00	0.00	0.00
1,300.0	11.16	181.31	1,293.8	-81.6	-1.9	5.4	0.00	0.00	0.00
1,350.0	11.16	181.31	1,342.9	-91.3	-2.1	6.1	0.00	0.00	0.00
1,400.0	11.16	181.31	1,391.9	-101.0	-2.3	6.7	0.00	0.00	0.00
1,450.0	11.16	181.31	1,441.0	-110.6	-2.5	7.3	0.00	0.00	0.00
1,500.0	11.16	181.31	1,490.0	-120.3	-2.7	8.0	0.00	0.00	0.00
1,550.0	11.16	181.31	1,539.1	-130.0	-3.0	8.6	0.00	0.00	0.00
1,600.0	11.16	181.31	1,588.1	-139.6	-3.2	9.3	0.00	0.00	0.00
1,650.0	11.16	181.31	1,637.2	-149.3	-3.4	9.9	0.00	0.00	0.00
1,700.0	11.16	181.31	1,686.2	-159.0	-3.6	10.6	0.00	0.00	0.00
1,750.0	11.16	181.31	1,735.3	-168.7	-3.8	11.2	0.00	0.00	0.00
1,800.0	11.16	181.31	1,784.3	-178.3	-4.1	11.8	0.00	0.00	0.00
1,850.0	11.16	181.31	1,833.4	-188.0	-4.3	12.5	0.00	0.00	0.00
1,900.0	11.16	181.31	1,882.5	-197.7	-4.5	13.1	0.00	0.00	0.00
1,950.0	11.16	181.31	1,931.5	-207.3	-4.7	13.8	0.00	0.00	0.00
2,000.0	11.16	181.31	1,980.6	-217.0	-5.0	14.4	0.00	0.00	0.00
2,050.0	11.16	181.31	2,029.6	-226.7	-5.2	15.1	0.00	0.00	0.00
2,100.0	11.16	181.31	2,078.7	-236.4	-5.4	15.7	0.00	0.00	0.00
2,150.0	11.16	181.31	2,127.7	-246.0	-5.6	16.3	0.00	0.00	0.00
2,200.0	11.16	181.31	2,176.8	-255.7	-5.8	17.0	0.00	0.00	0.00
2,250.0	11.16	181.31	2,225.8	-265.4	-6.1	17.6	0.00	0.00	0.00
2,300.0	11.16	181.31	2,274.9	-275.0	-6.3	18.3	0.00	0.00	0.00
2,350.0	11.16	181.31	2,324.0	-284.7	-6.5	18.9	0.00	0.00	0.00
2,400.0	11.16	181.31	2,373.0	-294.4	-6.7	19.6	0.00	0.00	0.00
2,450.0	11.16	181.31	2,422.1	-304.1	-6.9	20.2	0.00	0.00	0.00
2,500.0	11.16	181.31	2,471.1	-313.7	-7.2	20.8	0.00	0.00	0.00
2,550.0	11.16	181.31	2,520.2	-323.4	-7.4	21.5	0.00	0.00	0.00

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Runway 26/30 Fed Com #828H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3257.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3257.0usft (Original Well Elev)
Site:	Runway 26/30 Fed Com #828H	**North Reference:**	Grid
Well:	Sec 27, T22S, R26E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 330' FSL & 330' FEL (Sec 30)		
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)
2,600.0	11.16	181.31	2,569.2	-333.1	-7.6	22.1	0.00	0.00	0.00
2,650.0	11.16	181.31	2,618.3	-342.7	-7.8	22.8	0.00	0.00	0.00
2,700.0	11.16	181.31	2,667.3	-352.4	-8.0	23.4	0.00	0.00	0.00
2,750.0	11.16	181.31	2,716.4	-362.1	-8.3	24.0	0.00	0.00	0.00
2,800.0	11.16	181.31	2,765.5	-371.7	-8.5	24.7	0.00	0.00	0.00
2,850.0	11.16	181.31	2,814.5	-381.4	-8.7	25.3	0.00	0.00	0.00
2,900.0	11.16	181.31	2,863.6	-391.1	-8.9	26.0	0.00	0.00	0.00
2,950.0	11.16	181.31	2,912.6	-400.8	-9.1	26.6	0.00	0.00	0.00
3,000.0	11.16	181.31	2,961.7	-410.4	-9.4	27.3	0.00	0.00	0.00
3,050.0	11.16	181.31	3,010.7	-420.1	-9.6	27.9	0.00	0.00	0.00
3,100.0	11.16	181.31	3,059.8	-429.8	-9.8	28.5	0.00	0.00	0.00
3,150.0	11.16	181.31	3,108.8	-439.4	-10.0	29.2	0.00	0.00	0.00
3,200.0	11.16	181.31	3,157.9	-449.1	-10.2	29.8	0.00	0.00	0.00
3,250.0	11.16	181.31	3,207.0	-458.8	-10.5	30.5	0.00	0.00	0.00
3,300.0	11.16	181.31	3,256.0	-468.5	-10.7	31.1	0.00	0.00	0.00
3,350.0	11.16	181.31	3,305.1	-478.1	-10.9	31.8	0.00	0.00	0.00
3,400.0	11.16	181.31	3,354.1	-487.8	-11.1	32.4	0.00	0.00	0.00
3,401.0	11.16	181.31	3,355.1	-488.0	-11.1	32.4	0.00	0.00	0.00
Exit K00675009: 1332' FSL & 216' FEL (Sec 27)									
3,450.0	11.16	181.31	3,403.2	-497.5	-11.4	33.0	0.00	0.00	0.00
3,500.0	11.16	181.31	3,452.2	-507.1	-11.6	33.7	0.00	0.00	0.00
3,550.0	11.16	181.31	3,501.3	-516.8	-11.8	34.3	0.00	0.00	0.00
3,600.0	11.16	181.31	3,550.3	-526.5	-12.0	35.0	0.00	0.00	0.00
3,650.0	11.16	181.31	3,599.4	-536.2	-12.2	35.6	0.00	0.00	0.00
3,700.0	11.16	181.31	3,648.5	-545.8	-12.5	36.2	0.00	0.00	0.00
3,750.0	11.16	181.31	3,697.5	-555.5	-12.7	36.9	0.00	0.00	0.00
3,800.0	11.16	181.31	3,746.6	-565.2	-12.9	37.5	0.00	0.00	0.00
3,850.0	11.16	181.31	3,795.6	-574.8	-13.1	38.2	0.00	0.00	0.00
3,900.0	11.16	181.31	3,844.7	-584.5	-13.3	38.8	0.00	0.00	0.00
3,950.0	11.16	181.31	3,893.7	-594.2	-13.6	39.5	0.00	0.00	0.00
4,000.0	11.16	181.31	3,942.8	-603.9	-13.8	40.1	0.00	0.00	0.00
4,050.0	11.16	181.31	3,991.8	-613.5	-14.0	40.7	0.00	0.00	0.00
4,100.0	11.16	181.31	4,040.9	-623.2	-14.2	41.4	0.00	0.00	0.00
4,150.0	11.16	181.31	4,089.9	-632.9	-14.4	42.0	0.00	0.00	0.00
4,200.0	11.16	181.31	4,139.0	-642.5	-14.7	42.7	0.00	0.00	0.00
4,250.0	11.16	181.31	4,188.1	-652.2	-14.9	43.3	0.00	0.00	0.00
4,300.0	11.16	181.31	4,237.1	-661.9	-15.1	44.0	0.00	0.00	0.00
4,350.0	11.16	181.31	4,286.2	-671.5	-15.3	44.6	0.00	0.00	0.00
4,400.0	11.16	181.31	4,335.2	-681.2	-15.5	45.2	0.00	0.00	0.00
4,450.0	11.16	181.31	4,384.3	-690.9	-15.8	45.9	0.00	0.00	0.00
4,500.0	11.16	181.31	4,433.3	-700.6	-16.0	46.5	0.00	0.00	0.00
4,550.0	11.16	181.31	4,482.4	-710.2	-16.2	47.2	0.00	0.00	0.00
4,600.0	11.16	181.31	4,531.4	-719.9	-16.4	47.8	0.00	0.00	0.00
4,650.0	11.16	181.31	4,580.5	-729.6	-16.6	48.5	0.00	0.00	0.00
4,700.0	11.16	181.31	4,629.6	-739.2	-16.9	49.1	0.00	0.00	0.00
4,750.0	11.16	181.31	4,678.6	-748.9	-17.1	49.7	0.00	0.00	0.00
4,800.0	11.16	181.31	4,727.7	-758.6	-17.3	50.4	0.00	0.00	0.00
4,850.0	11.16	181.31	4,776.7	-768.3	-17.5	51.0	0.00	0.00	0.00
4,900.0	11.16	181.31	4,825.8	-777.9	-17.8	51.7	0.00	0.00	0.00
4,950.0	11.16	181.31	4,874.8	-787.6	-18.0	52.3	0.00	0.00	0.00
5,000.0	11.16	181.31	4,923.9	-797.3	-18.2	52.9	0.00	0.00	0.00
5,050.0	11.16	181.31	4,972.9	-806.9	-18.4	53.6	0.00	0.00	0.00
5,100.0	11.16	181.31	5,022.0	-816.6	-18.6	54.2	0.00	0.00	0.00

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Runway 26/30 Fed Com #828H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3257.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3257.0usft (Original Well Elev)
Site:	Runway 26/30 Fed Com #828H	**North Reference:**	Grid
Well:	Sec 27, T22S, R26E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 330' FSL & 330' FEL (Sec 30)		
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)
5,150.0	11.16	181.31	5,071.1	-826.3	-18.9	54.9	0.00	0.00	0.00
5,200.0	11.16	181.31	5,120.1	-836.0	-19.1	55.5	0.00	0.00	0.00
5,250.0	11.16	181.31	5,169.2	-845.6	-19.3	56.2	0.00	0.00	0.00
5,300.0	11.16	181.31	5,218.2	-855.3	-19.5	56.8	0.00	0.00	0.00
5,350.0	11.16	181.31	5,267.3	-865.0	-19.7	57.4	0.00	0.00	0.00
5,400.0	11.16	181.31	5,316.3	-874.6	-20.0	58.1	0.00	0.00	0.00
5,450.0	11.16	181.31	5,365.4	-884.3	-20.2	58.7	0.00	0.00	0.00
5,500.0	11.16	181.31	5,414.4	-894.0	-20.4	59.4	0.00	0.00	0.00
5,550.0	11.16	181.31	5,463.5	-903.6	-20.6	60.0	0.00	0.00	0.00
5,600.0	11.16	181.31	5,512.6	-913.3	-20.8	60.7	0.00	0.00	0.00
5,650.0	11.16	181.31	5,561.6	-923.0	-21.1	61.3	0.00	0.00	0.00
5,700.0	11.16	181.31	5,610.7	-932.7	-21.3	61.9	0.00	0.00	0.00
5,750.0	11.16	181.31	5,659.7	-942.3	-21.5	62.6	0.00	0.00	0.00
5,800.0	11.16	181.31	5,708.8	-952.0	-21.7	63.2	0.00	0.00	0.00
5,850.0	11.16	181.31	5,757.8	-961.7	-21.9	63.9	0.00	0.00	0.00
5,900.0	11.16	181.31	5,806.9	-971.3	-22.2	64.5	0.00	0.00	0.00
5,950.0	11.16	181.31	5,855.9	-981.0	-22.4	65.1	0.00	0.00	0.00
6,000.0	11.16	181.31	5,905.0	-990.7	-22.6	65.8	0.00	0.00	0.00
6,050.0	11.16	181.31	5,954.1	-1,000.4	-22.8	66.4	0.00	0.00	0.00
6,100.0	11.16	181.31	6,003.1	-1,010.0	-23.0	67.1	0.00	0.00	0.00
6,150.0	11.16	181.31	6,052.2	-1,019.7	-23.3	67.7	0.00	0.00	0.00
6,200.0	11.16	181.31	6,101.2	-1,029.4	-23.5	68.4	0.00	0.00	0.00
6,250.0	11.16	181.31	6,150.3	-1,039.0	-23.7	69.0	0.00	0.00	0.00
6,300.0	11.16	181.31	6,199.3	-1,048.7	-23.9	69.6	0.00	0.00	0.00
6,350.0	11.16	181.31	6,248.4	-1,058.4	-24.2	70.3	0.00	0.00	0.00
6,400.0	11.16	181.31	6,297.4	-1,068.1	-24.4	70.9	0.00	0.00	0.00
6,450.0	11.16	181.31	6,346.5	-1,077.7	-24.6	71.6	0.00	0.00	0.00
6,500.0	11.16	181.31	6,395.5	-1,087.4	-24.8	72.2	0.00	0.00	0.00
6,550.0	11.16	181.31	6,444.6	-1,097.1	-25.0	72.9	0.00	0.00	0.00
6,600.0	11.16	181.31	6,493.7	-1,106.7	-25.3	73.5	0.00	0.00	0.00
6,650.0	11.16	181.31	6,542.7	-1,116.4	-25.5	74.1	0.00	0.00	0.00
6,700.0	11.16	181.31	6,591.8	-1,126.1	-25.7	74.8	0.00	0.00	0.00
6,750.0	11.16	181.31	6,640.8	-1,135.8	-25.9	75.4	0.00	0.00	0.00
6,800.0	11.16	181.31	6,689.9	-1,145.4	-26.1	76.1	0.00	0.00	0.00
6,850.0	11.16	181.31	6,738.9	-1,155.1	-26.4	76.7	0.00	0.00	0.00
6,900.0	11.16	181.31	6,788.0	-1,164.8	-26.6	77.4	0.00	0.00	0.00
6,950.0	11.16	181.31	6,837.0	-1,174.4	-26.8	78.0	0.00	0.00	0.00
7,000.0	11.16	181.31	6,886.1	-1,184.1	-27.0	78.6	0.00	0.00	0.00
7,050.0	11.16	181.31	6,935.2	-1,193.8	-27.2	79.3	0.00	0.00	0.00
7,100.0	11.16	181.31	6,984.2	-1,203.4	-27.5	79.9	0.00	0.00	0.00
7,150.0	11.16	181.31	7,033.3	-1,213.1	-27.7	80.6	0.00	0.00	0.00
7,200.0	11.16	181.31	7,082.3	-1,222.8	-27.9	81.2	0.00	0.00	0.00
7,250.0	11.16	181.31	7,131.4	-1,232.5	-28.1	81.8	0.00	0.00	0.00
7,300.0	11.16	181.31	7,180.4	-1,242.1	-28.3	82.5	0.00	0.00	0.00
7,350.0	11.16	181.31	7,229.5	-1,251.8	-28.6	83.1	0.00	0.00	0.00
7,400.0	11.16	181.31	7,278.5	-1,261.5	-28.8	83.8	0.00	0.00	0.00
7,450.0	11.16	181.31	7,327.6	-1,271.1	-29.0	84.4	0.00	0.00	0.00
7,500.0	11.16	181.31	7,376.7	-1,280.8	-29.2	85.1	0.00	0.00	0.00
7,550.0	11.16	181.31	7,425.7	-1,290.5	-29.4	85.7	0.00	0.00	0.00
7,600.0	11.16	181.31	7,474.8	-1,300.2	-29.7	86.3	0.00	0.00	0.00
7,650.0	11.16	181.31	7,523.8	-1,309.8	-29.9	87.0	0.00	0.00	0.00
7,700.0	11.16	181.31	7,572.9	-1,319.5	-30.1	87.6	0.00	0.00	0.00
7,750.0	11.16	181.31	7,621.9	-1,329.2	-30.3	88.3	0.00	0.00	0.00
7,800.0	11.16	181.31	7,671.0	-1,338.8	-30.6	88.9	0.00	0.00	0.00

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Runway 26/30 Fed Com #828H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3257.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3257.0usft (Original Well Elev)
Site:	Runway 26/30 Fed Com #828H	**North Reference:**	Grid
Well:	Sec 27, T22S, R26E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 330' FSL & 330' FEL (Sec 30)		
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)
7,850.0	11.16	181.31	7,720.0	-1,348.5	-30.8	89.6	0.00	0.00	0.00
7,900.0	11.16	181.31	7,769.1	-1,358.2	-31.0	90.2	0.00	0.00	0.00
7,950.0	11.16	181.31	7,818.2	-1,367.9	-31.2	90.8	0.00	0.00	0.00
8,000.0	11.16	181.31	7,867.2	-1,377.5	-31.4	91.5	0.00	0.00	0.00
8,050.0	11.16	181.31	7,916.3	-1,387.2	-31.7	92.1	0.00	0.00	0.00
8,100.0	11.16	181.31	7,965.3	-1,396.9	-31.9	92.8	0.00	0.00	0.00
8,150.0	11.16	181.31	8,014.4	-1,406.5	-32.1	93.4	0.00	0.00	0.00
8,200.0	11.16	181.31	8,063.4	-1,416.2	-32.3	94.1	0.00	0.00	0.00
8,250.0	11.16	181.31	8,112.5	-1,425.9	-32.5	94.7	0.00	0.00	0.00
8,300.0	11.16	181.31	8,161.5	-1,435.5	-32.8	95.3	0.00	0.00	0.00
8,301.2	11.16	181.31	8,162.8	-1,435.8	-32.8	95.4	0.00	0.00	0.00
8,350.0	10.18	181.31	8,210.7	-1,444.8	-33.0	96.0	2.00	-2.00	0.00
8,400.0	9.18	181.31	8,260.0	-1,453.2	-33.2	96.5	2.00	-2.00	0.00
8,450.0	8.18	181.31	8,309.4	-1,460.8	-33.3	97.0	2.00	-2.00	0.00
8,500.0	7.18	181.31	8,358.9	-1,467.4	-33.5	97.5	2.00	-2.00	0.00
8,550.0	6.18	181.31	8,408.6	-1,473.3	-33.6	97.8	2.00	-2.00	0.00
8,600.0	5.18	181.31	8,458.4	-1,478.2	-33.7	98.2	2.00	-2.00	0.00
8,650.0	4.18	181.31	8,508.2	-1,482.3	-33.8	98.4	2.00	-2.00	0.00
8,700.0	3.18	181.31	8,558.1	-1,485.5	-33.9	98.7	2.00	-2.00	0.00
8,750.0	2.18	181.31	8,608.0	-1,487.8	-34.0	98.8	2.00	-2.00	0.00
8,774.0	1.70	181.31	8,632.0	-1,488.6	-34.0	98.9	2.00	-2.00	0.00
Wolfcamp: 332' FSL & 239' FEL (Sec 27)									
8,800.0	1.18	181.31	8,658.0	-1,489.3	-34.0	98.9	2.00	-2.00	0.00
8,850.0	0.18	181.31	8,708.0	-1,489.9	-34.0	98.9	2.00	-2.00	0.00
8,859.0	0.00	0.00	8,717.0	-1,489.9	-34.0	98.9	2.00	-2.00	0.00
KOP: 330' FSL & 243' FEL (Sec 27)									
8,900.0	4.10	90.23	8,758.0	-1,489.9	-32.5	100.4	10.00	10.00	0.00
8,950.0	9.10	90.23	8,807.6	-1,489.9	-26.8	106.1	10.00	10.00	0.00
9,000.0	14.09	90.23	8,856.6	-1,490.0	-16.7	116.1	10.00	10.00	0.00
9,050.0	19.09	90.23	8,904.5	-1,490.0	-2.5	130.4	10.00	10.00	0.00
9,100.0	24.09	90.23	8,951.0	-1,490.1	15.9	148.7	10.00	10.00	0.00
9,150.0	29.09	90.23	8,995.7	-1,490.2	38.3	171.0	10.00	10.00	0.00
9,200.0	34.08	90.23	9,038.2	-1,490.3	64.5	197.1	10.00	10.00	0.00
9,250.0	39.08	90.23	9,078.4	-1,490.4	94.3	226.7	10.00	10.00	0.00
9,300.0	44.08	90.23	9,115.8	-1,490.5	127.4	259.8	10.00	10.00	0.00
9,350.0	49.08	90.23	9,150.1	-1,490.7	163.7	296.0	10.00	10.00	0.00
9,400.0	54.08	90.23	9,181.2	-1,490.9	202.9	335.0	10.00	10.00	0.00
9,450.0	59.07	90.23	9,208.7	-1,491.0	244.6	376.6	10.00	10.00	0.00
9,500.0	64.07	90.23	9,232.5	-1,491.2	288.6	420.4	10.00	10.00	0.00
9,550.0	69.07	90.23	9,252.4	-1,491.4	334.4	466.0	10.00	10.00	0.00
9,600.0	74.07	90.23	9,268.2	-1,491.6	381.9	513.3	10.00	10.00	0.00
9,650.0	79.06	90.23	9,279.8	-1,491.8	430.5	561.7	10.00	10.00	0.00
9,700.0	84.06	90.23	9,287.1	-1,492.0	479.9	611.0	10.00	10.00	0.00
9,743.8	88.44	90.23	9,290.0	-1,492.1	523.6	654.5	10.00	10.00	0.00
9,750.0	88.44	90.23	9,290.2	-1,492.2	529.8	660.7	0.00	0.00	0.00
9,759.0	88.44	90.23	9,290.4	-1,492.2	538.8	669.7	0.00	0.00	0.00
FTP/LP: 330' FSL & 330' FWL (Sec 26)									
9,800.0	88.44	90.23	9,291.5	-1,492.4	579.8	710.5	0.00	0.00	0.00
9,850.0	88.44	90.23	9,292.9	-1,492.6	629.8	760.3	0.00	0.00	0.00
9,900.0	88.44	90.23	9,294.3	-1,492.8	679.8	810.1	0.00	0.00	0.00
9,950.0	88.44	90.23	9,295.6	-1,493.0	729.7	859.9	0.00	0.00	0.00
10,000.0	88.44	90.23	9,297.0	-1,493.2	779.7	909.7	0.00	0.00	0.00
10,050.0	88.44	90.23	9,298.4	-1,493.4	829.7	959.5	0.00	0.00	0.00

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Runway 26/30 Fed Com #828H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3257.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3257.0usft (Original Well Elev)
Site:	Runway 26/30 Fed Com #828H	**North Reference:**	Grid
Well:	Sec 27, T22S, R26E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 330' FSL & 330' FEL (Sec 30)		
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)
10,100.0	88.44	90.23	9,299.7	-1,493.6	879.7	1,009.3	0.00	0.00	0.00
10,150.0	88.44	90.23	9,301.1	-1,493.8	929.7	1,059.1	0.00	0.00	0.00
10,200.0	88.44	90.23	9,302.4	-1,494.0	979.6	1,108.9	0.00	0.00	0.00
10,250.0	88.44	90.23	9,303.8	-1,494.2	1,029.6	1,158.7	0.00	0.00	0.00
10,300.0	88.44	90.23	9,305.2	-1,494.4	1,079.6	1,208.5	0.00	0.00	0.00
10,350.0	88.44	90.23	9,306.5	-1,494.6	1,129.6	1,258.3	0.00	0.00	0.00
10,400.0	88.44	90.23	9,307.9	-1,494.8	1,179.6	1,308.1	0.00	0.00	0.00
10,450.0	88.44	90.23	9,309.3	-1,495.0	1,229.5	1,357.9	0.00	0.00	0.00
10,500.0	88.44	90.23	9,310.6	-1,495.2	1,279.5	1,407.7	0.00	0.00	0.00
10,550.0	88.44	90.23	9,312.0	-1,495.4	1,329.5	1,457.5	0.00	0.00	0.00
10,600.0	88.44	90.23	9,313.3	-1,495.6	1,379.5	1,507.3	0.00	0.00	0.00
10,650.0	88.44	90.23	9,314.7	-1,495.8	1,429.5	1,557.1	0.00	0.00	0.00
10,700.0	88.44	90.23	9,316.1	-1,496.0	1,479.4	1,606.9	0.00	0.00	0.00
10,750.0	88.44	90.23	9,317.4	-1,496.2	1,529.4	1,656.7	0.00	0.00	0.00
10,800.0	88.44	90.23	9,318.8	-1,496.4	1,579.4	1,706.5	0.00	0.00	0.00
10,850.0	88.44	90.23	9,320.2	-1,496.6	1,629.4	1,756.3	0.00	0.00	0.00
10,900.0	88.44	90.23	9,321.5	-1,496.8	1,679.4	1,806.1	0.00	0.00	0.00
10,950.0	88.44	90.23	9,322.9	-1,497.0	1,729.4	1,855.9	0.00	0.00	0.00
11,000.0	88.44	90.23	9,324.3	-1,497.2	1,779.3	1,905.7	0.00	0.00	0.00
11,050.0	88.44	90.23	9,325.6	-1,497.4	1,829.3	1,955.5	0.00	0.00	0.00
11,100.0	88.44	90.23	9,327.0	-1,497.6	1,879.3	2,005.3	0.00	0.00	0.00
11,150.0	88.44	90.23	9,328.3	-1,497.8	1,929.3	2,055.1	0.00	0.00	0.00
11,200.0	88.44	90.23	9,329.7	-1,498.0	1,979.3	2,104.9	0.00	0.00	0.00
11,250.0	88.44	90.23	9,331.1	-1,498.2	2,029.2	2,154.7	0.00	0.00	0.00
11,300.0	88.44	90.23	9,332.4	-1,498.4	2,079.2	2,204.5	0.00	0.00	0.00
11,350.0	88.44	90.23	9,333.8	-1,498.6	2,129.2	2,254.3	0.00	0.00	0.00
11,400.0	88.44	90.23	9,335.2	-1,498.8	2,179.2	2,304.1	0.00	0.00	0.00
11,450.0	88.44	90.23	9,336.5	-1,499.0	2,229.2	2,353.9	0.00	0.00	0.00
11,500.0	88.44	90.23	9,337.9	-1,499.2	2,279.1	2,403.7	0.00	0.00	0.00
11,550.0	88.44	90.23	9,339.3	-1,499.4	2,329.1	2,453.5	0.00	0.00	0.00
11,600.0	88.44	90.23	9,340.6	-1,499.6	2,379.1	2,503.3	0.00	0.00	0.00
11,650.0	88.44	90.23	9,342.0	-1,499.8	2,429.1	2,553.1	0.00	0.00	0.00
11,700.0	88.44	90.23	9,343.3	-1,500.0	2,479.1	2,602.9	0.00	0.00	0.00
11,750.0	88.44	90.23	9,344.7	-1,500.2	2,529.0	2,652.7	0.00	0.00	0.00
11,800.0	88.44	90.23	9,346.1	-1,500.4	2,579.0	2,702.5	0.00	0.00	0.00
11,850.0	88.44	90.23	9,347.4	-1,500.6	2,629.0	2,752.3	0.00	0.00	0.00
11,900.0	88.44	90.23	9,348.8	-1,500.8	2,679.0	2,802.1	0.00	0.00	0.00
11,950.0	88.44	90.23	9,350.2	-1,501.0	2,729.0	2,851.9	0.00	0.00	0.00
12,000.0	88.44	90.23	9,351.5	-1,501.2	2,779.0	2,901.7	0.00	0.00	0.00
12,050.0	88.44	90.23	9,352.9	-1,501.4	2,828.9	2,951.5	0.00	0.00	0.00
12,100.0	88.44	90.23	9,354.3	-1,501.6	2,878.9	3,001.3	0.00	0.00	0.00
12,150.0	88.44	90.23	9,355.6	-1,501.8	2,928.9	3,051.1	0.00	0.00	0.00
12,200.0	88.44	90.23	9,357.0	-1,502.0	2,978.9	3,100.9	0.00	0.00	0.00
12,250.0	88.44	90.23	9,358.3	-1,502.2	3,028.9	3,150.7	0.00	0.00	0.00
12,300.0	88.44	90.23	9,359.7	-1,502.4	3,078.8	3,200.5	0.00	0.00	0.00
12,350.0	88.44	90.23	9,361.1	-1,502.6	3,128.8	3,250.3	0.00	0.00	0.00
12,400.0	88.44	90.23	9,362.4	-1,502.8	3,178.8	3,300.1	0.00	0.00	0.00
12,450.0	88.44	90.23	9,363.8	-1,503.0	3,228.8	3,349.9	0.00	0.00	0.00
12,500.0	88.44	90.23	9,365.2	-1,503.2	3,278.8	3,399.7	0.00	0.00	0.00
12,550.0	88.44	90.23	9,366.5	-1,503.4	3,328.7	3,449.5	0.00	0.00	0.00
12,600.0	88.44	90.23	9,367.9	-1,503.6	3,378.7	3,499.3	0.00	0.00	0.00
12,650.0	88.44	90.23	9,369.3	-1,503.8	3,428.7	3,549.1	0.00	0.00	0.00
12,700.0	88.44	90.23	9,370.6	-1,504.0	3,478.7	3,598.9	0.00	0.00	0.00
12,750.0	88.44	90.23	9,372.0	-1,504.2	3,528.7	3,648.7	0.00	0.00	0.00

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Runway 26/30 Fed Com #828H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3257.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3257.0usft (Original Well Elev)
Site:	Runway 26/30 Fed Com #828H	**North Reference:**	Grid
Well:	Sec 27, T22S, R26E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 330' FSL & 330' FEL (Sec 30)		
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)
12,800.0	88.44	90.23	9,373.3	-1,504.4	3,578.6	3,698.5	0.00	0.00	0.00
12,850.0	88.44	90.23	9,374.7	-1,504.6	3,628.6	3,748.3	0.00	0.00	0.00
12,900.0	88.44	90.23	9,376.1	-1,504.8	3,678.6	3,798.1	0.00	0.00	0.00
12,950.0	88.44	90.23	9,377.4	-1,505.0	3,728.6	3,847.9	0.00	0.00	0.00
13,000.0	88.44	90.23	9,378.8	-1,505.2	3,778.6	3,897.7	0.00	0.00	0.00
13,050.0	88.44	90.23	9,380.2	-1,505.4	3,828.6	3,947.5	0.00	0.00	0.00
13,100.0	88.44	90.23	9,381.5	-1,505.6	3,878.5	3,997.3	0.00	0.00	0.00
13,150.0	88.44	90.23	9,382.9	-1,505.8	3,928.5	4,047.1	0.00	0.00	0.00
13,200.0	88.44	90.23	9,384.3	-1,506.0	3,978.5	4,096.9	0.00	0.00	0.00
13,250.0	88.44	90.23	9,385.6	-1,506.2	4,028.5	4,146.7	0.00	0.00	0.00
13,300.0	88.44	90.23	9,387.0	-1,506.4	4,078.5	4,196.5	0.00	0.00	0.00
13,350.0	88.44	90.23	9,388.3	-1,506.7	4,128.4	4,246.3	0.00	0.00	0.00
13,400.0	88.44	90.23	9,389.7	-1,506.9	4,178.4	4,296.1	0.00	0.00	0.00
13,450.0	88.44	90.23	9,391.1	-1,507.1	4,228.4	4,345.9	0.00	0.00	0.00
13,500.0	88.44	90.23	9,392.4	-1,507.3	4,278.4	4,395.7	0.00	0.00	0.00
13,550.0	88.44	90.23	9,393.8	-1,507.5	4,328.4	4,445.5	0.00	0.00	0.00
13,600.0	88.44	90.23	9,395.2	-1,507.7	4,378.3	4,495.3	0.00	0.00	0.00
13,650.0	88.44	90.23	9,396.5	-1,507.9	4,428.3	4,545.1	0.00	0.00	0.00
13,700.0	88.44	90.23	9,397.9	-1,508.1	4,478.3	4,594.9	0.00	0.00	0.00
13,750.0	88.44	90.23	9,399.2	-1,508.3	4,528.3	4,644.7	0.00	0.00	0.00
13,800.0	88.44	90.23	9,400.6	-1,508.5	4,578.3	4,694.5	0.00	0.00	0.00
13,850.0	88.44	90.23	9,402.0	-1,508.7	4,628.2	4,744.3	0.00	0.00	0.00
13,900.0	88.44	90.23	9,403.3	-1,508.9	4,678.2	4,794.1	0.00	0.00	0.00
13,950.0	88.44	90.23	9,404.7	-1,509.1	4,728.2	4,843.9	0.00	0.00	0.00
14,000.0	88.44	90.23	9,406.1	-1,509.3	4,778.2	4,893.7	0.00	0.00	0.00
14,050.0	88.44	90.23	9,407.4	-1,509.5	4,828.2	4,943.5	0.00	0.00	0.00
14,100.0	88.44	90.23	9,408.8	-1,509.7	4,878.2	4,993.3	0.00	0.00	0.00
14,150.0	88.44	90.23	9,410.2	-1,509.9	4,928.1	5,043.1	0.00	0.00	0.00
14,200.0	88.44	90.23	9,411.5	-1,510.1	4,978.1	5,092.9	0.00	0.00	0.00
14,250.0	88.44	90.23	9,412.9	-1,510.3	5,028.1	5,142.7	0.00	0.00	0.00
14,300.0	88.44	90.23	9,414.2	-1,510.5	5,078.1	5,192.5	0.00	0.00	0.00
14,350.0	88.44	90.23	9,415.6	-1,510.7	5,128.1	5,242.3	0.00	0.00	0.00
14,400.0	88.44	90.23	9,417.0	-1,510.9	5,178.0	5,292.1	0.00	0.00	0.00
14,450.0	88.44	90.23	9,418.3	-1,511.1	5,228.0	5,341.9	0.00	0.00	0.00
14,500.0	88.44	90.23	9,419.7	-1,511.3	5,278.0	5,391.7	0.00	0.00	0.00
14,550.0	88.44	90.23	9,421.1	-1,511.5	5,328.0	5,441.5	0.00	0.00	0.00
14,600.0	88.44	90.23	9,422.4	-1,511.7	5,378.0	5,491.3	0.00	0.00	0.00
14,650.0	88.44	90.23	9,423.8	-1,511.9	5,427.9	5,541.1	0.00	0.00	0.00
14,700.0	88.44	90.23	9,425.2	-1,512.1	5,477.9	5,590.9	0.00	0.00	0.00
14,750.0	88.44	90.23	9,426.5	-1,512.3	5,527.9	5,640.7	0.00	0.00	0.00
14,800.0	88.44	90.23	9,427.9	-1,512.5	5,577.9	5,690.5	0.00	0.00	0.00
14,850.0	88.44	90.23	9,429.2	-1,512.7	5,627.9	5,740.3	0.00	0.00	0.00
14,900.0	88.44	90.23	9,430.6	-1,512.9	5,677.9	5,790.1	0.00	0.00	0.00
14,950.0	88.44	90.23	9,432.0	-1,513.1	5,727.8	5,839.9	0.00	0.00	0.00
15,000.0	88.44	90.23	9,433.3	-1,513.3	5,777.8	5,889.7	0.00	0.00	0.00
15,050.0	88.44	90.23	9,434.7	-1,513.5	5,827.8	5,939.5	0.00	0.00	0.00
15,100.0	88.44	90.23	9,436.1	-1,513.7	5,877.8	5,989.3	0.00	0.00	0.00
15,150.0	88.44	90.23	9,437.4	-1,513.9	5,927.8	6,039.1	0.00	0.00	0.00
15,200.0	88.44	90.23	9,438.8	-1,514.1	5,977.7	6,088.9	0.00	0.00	0.00
15,250.0	88.44	90.23	9,440.2	-1,514.3	6,027.7	6,138.7	0.00	0.00	0.00
15,300.0	88.44	90.23	9,441.5	-1,514.5	6,077.7	6,188.5	0.00	0.00	0.00
15,350.0	88.44	90.23	9,442.9	-1,514.7	6,127.7	6,238.3	0.00	0.00	0.00
15,400.0	88.44	90.23	9,444.2	-1,514.9	6,177.7	6,288.1	0.00	0.00	0.00
15,450.0	88.44	90.23	9,445.6	-1,515.1	6,227.6	6,337.9	0.00	0.00	0.00

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Runway 26/30 Fed Com #828H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3257.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3257.0usft (Original Well Elev)
Site:	Runway 26/30 Fed Com #828H	**North Reference:**	Grid
Well:	Sec 27, T22S, R26E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 330' FSL & 330' FEL (Sec 30)		
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)
15,500.0	88.44	90.23	9,447.0	-1,515.3	6,277.6	6,387.7	0.00	0.00	0.00
15,550.0	88.44	90.23	9,448.3	-1,515.5	6,327.6	6,437.5	0.00	0.00	0.00
15,600.0	88.44	90.23	9,449.7	-1,515.7	6,377.6	6,487.3	0.00	0.00	0.00
15,650.0	88.44	90.23	9,451.1	-1,515.9	6,427.6	6,537.1	0.00	0.00	0.00
15,700.0	88.44	90.23	9,452.4	-1,516.1	6,477.5	6,586.9	0.00	0.00	0.00
15,750.0	88.44	90.23	9,453.8	-1,516.3	6,527.5	6,636.7	0.00	0.00	0.00
15,800.0	88.44	90.23	9,455.2	-1,516.5	6,577.5	6,686.5	0.00	0.00	0.00
15,850.0	88.44	90.23	9,456.5	-1,516.7	6,627.5	6,736.3	0.00	0.00	0.00
15,900.0	88.44	90.23	9,457.9	-1,516.9	6,677.5	6,786.1	0.00	0.00	0.00
15,950.0	88.44	90.23	9,459.2	-1,517.1	6,727.5	6,835.9	0.00	0.00	0.00
16,000.0	88.44	90.23	9,460.6	-1,517.3	6,777.4	6,885.7	0.00	0.00	0.00
16,050.0	88.44	90.23	9,462.0	-1,517.5	6,827.4	6,935.5	0.00	0.00	0.00
16,100.0	88.44	90.23	9,463.3	-1,517.7	6,877.4	6,985.3	0.00	0.00	0.00
16,150.0	88.44	90.23	9,464.7	-1,517.9	6,927.4	7,035.1	0.00	0.00	0.00
16,200.0	88.44	90.23	9,466.1	-1,518.1	6,977.4	7,084.9	0.00	0.00	0.00
16,250.0	88.44	90.23	9,467.4	-1,518.3	7,027.3	7,134.7	0.00	0.00	0.00
16,300.0	88.44	90.23	9,468.8	-1,518.5	7,077.3	7,184.5	0.00	0.00	0.00
16,350.0	88.44	90.23	9,470.1	-1,518.7	7,127.3	7,234.3	0.00	0.00	0.00
16,400.0	88.44	90.23	9,471.5	-1,518.9	7,177.3	7,284.1	0.00	0.00	0.00
16,450.0	88.44	90.23	9,472.9	-1,519.1	7,227.3	7,333.9	0.00	0.00	0.00
16,500.0	88.44	90.23	9,474.2	-1,519.3	7,277.2	7,383.7	0.00	0.00	0.00
16,550.0	88.44	90.23	9,475.6	-1,519.5	7,327.2	7,433.5	0.00	0.00	0.00
16,600.0	88.44	90.23	9,477.0	-1,519.7	7,377.2	7,483.3	0.00	0.00	0.00
16,650.0	88.44	90.23	9,478.3	-1,519.9	7,427.2	7,533.1	0.00	0.00	0.00
16,700.0	88.44	90.23	9,479.7	-1,520.1	7,477.2	7,582.9	0.00	0.00	0.00
16,750.0	88.44	90.23	9,481.1	-1,520.3	7,527.1	7,632.7	0.00	0.00	0.00
16,800.0	88.44	90.23	9,482.4	-1,520.5	7,577.1	7,682.5	0.00	0.00	0.00
16,850.0	88.44	90.23	9,483.8	-1,520.7	7,627.1	7,732.3	0.00	0.00	0.00
16,900.0	88.44	90.23	9,485.1	-1,520.9	7,677.1	7,782.1	0.00	0.00	0.00
16,950.0	88.44	90.23	9,486.5	-1,521.1	7,727.1	7,831.9	0.00	0.00	0.00
17,000.0	88.44	90.23	9,487.9	-1,521.3	7,777.1	7,881.7	0.00	0.00	0.00
17,041.3	88.44	90.23	9,489.0	-1,521.5	7,818.3	7,922.8	0.00	0.00	0.00
Mid-Lateral Target: 330' FSL & 2310' FWL (Sec 25)									
17,050.0	88.59	90.14	9,489.2	-1,521.5	7,827.0	7,931.5	2.00	1.72	-1.03
17,100.0	89.45	89.63	9,490.1	-1,521.4	7,877.0	7,981.3	2.00	1.72	-1.03
17,123.6	89.85	89.38	9,490.2	-1,521.2	7,900.6	8,004.8	2.00	1.72	-1.03
17,150.0	89.85	89.38	9,490.3	-1,520.9	7,927.0	8,031.0	0.00	0.00	0.00
17,200.0	89.85	89.38	9,490.4	-1,520.4	7,977.0	8,080.8	0.00	0.00	0.00
17,250.0	89.85	89.38	9,490.6	-1,519.9	8,027.0	8,130.5	0.00	0.00	0.00
17,300.0	89.85	89.38	9,490.7	-1,519.3	8,077.0	8,180.3	0.00	0.00	0.00
17,350.0	89.85	89.38	9,490.8	-1,518.8	8,127.0	8,230.0	0.00	0.00	0.00
17,400.0	89.85	89.38	9,491.0	-1,518.3	8,177.0	8,279.8	0.00	0.00	0.00
17,450.0	89.85	89.38	9,491.1	-1,517.7	8,227.0	8,329.5	0.00	0.00	0.00
17,500.0	89.85	89.38	9,491.2	-1,517.2	8,277.0	8,379.3	0.00	0.00	0.00
17,550.0	89.85	89.38	9,491.3	-1,516.6	8,327.0	8,429.0	0.00	0.00	0.00
17,600.0	89.85	89.38	9,491.5	-1,516.1	8,377.0	8,478.8	0.00	0.00	0.00
17,650.0	89.85	89.38	9,491.6	-1,515.6	8,427.0	8,528.5	0.00	0.00	0.00
17,700.0	89.85	89.38	9,491.7	-1,515.0	8,477.0	8,578.3	0.00	0.00	0.00
17,750.0	89.85	89.38	9,491.9	-1,514.5	8,527.0	8,628.0	0.00	0.00	0.00
17,800.0	89.85	89.38	9,492.0	-1,514.0	8,577.0	8,677.8	0.00	0.00	0.00
17,850.0	89.85	89.38	9,492.1	-1,513.4	8,627.0	8,727.5	0.00	0.00	0.00
17,900.0	89.85	89.38	9,492.3	-1,512.9	8,677.0	8,777.3	0.00	0.00	0.00
17,950.0	89.85	89.38	9,492.4	-1,512.3	8,727.0	8,827.0	0.00	0.00	0.00
18,000.0	89.85	89.38	9,492.5	-1,511.8	8,777.0	8,876.8	0.00	0.00	0.00

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Runway 26/30 Fed Com #828H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3257.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3257.0usft (Original Well Elev)
Site:	Runway 26/30 Fed Com #828H	**North Reference:**	Grid
Well:	Sec 27, T22S, R26E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 330' FSL & 330' FEL (Sec 30)		
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)
18,050.0	89.85	89.38	9,492.7	-1,511.3	8,827.0	8,926.5	0.00	0.00	0.00
18,100.0	89.85	89.38	9,492.8	-1,510.7	8,877.0	8,976.3	0.00	0.00	0.00
18,150.0	89.85	89.38	9,492.9	-1,510.2	8,927.0	9,026.0	0.00	0.00	0.00
18,200.0	89.85	89.38	9,493.0	-1,509.6	8,977.0	9,075.8	0.00	0.00	0.00
18,250.0	89.85	89.38	9,493.2	-1,509.1	9,027.0	9,125.5	0.00	0.00	0.00
18,300.0	89.85	89.38	9,493.3	-1,508.6	9,077.0	9,175.3	0.00	0.00	0.00
18,350.0	89.85	89.38	9,493.4	-1,508.0	9,126.9	9,225.0	0.00	0.00	0.00
18,400.0	89.85	89.38	9,493.6	-1,507.5	9,176.9	9,274.8	0.00	0.00	0.00
18,450.0	89.85	89.38	9,493.7	-1,507.0	9,226.9	9,324.5	0.00	0.00	0.00
18,500.0	89.85	89.38	9,493.8	-1,506.4	9,276.9	9,374.3	0.00	0.00	0.00
18,550.0	89.85	89.38	9,494.0	-1,505.9	9,326.9	9,424.0	0.00	0.00	0.00
18,600.0	89.85	89.38	9,494.1	-1,505.3	9,376.9	9,473.8	0.00	0.00	0.00
18,650.0	89.85	89.38	9,494.2	-1,504.8	9,426.9	9,523.5	0.00	0.00	0.00
18,700.0	89.85	89.38	9,494.4	-1,504.3	9,476.9	9,573.3	0.00	0.00	0.00
18,750.0	89.85	89.38	9,494.5	-1,503.7	9,526.9	9,623.0	0.00	0.00	0.00
18,800.0	89.85	89.38	9,494.6	-1,503.2	9,576.9	9,672.8	0.00	0.00	0.00
18,850.0	89.85	89.38	9,494.8	-1,502.7	9,626.9	9,722.5	0.00	0.00	0.00
18,900.0	89.85	89.38	9,494.9	-1,502.1	9,676.9	9,772.3	0.00	0.00	0.00
18,950.0	89.85	89.38	9,495.0	-1,501.6	9,726.9	9,822.0	0.00	0.00	0.00
19,000.0	89.85	89.38	9,495.1	-1,501.0	9,776.9	9,871.8	0.00	0.00	0.00
19,050.0	89.85	89.38	9,495.3	-1,500.5	9,826.9	9,921.5	0.00	0.00	0.00
19,100.0	89.85	89.38	9,495.4	-1,500.0	9,876.9	9,971.3	0.00	0.00	0.00
19,150.0	89.85	89.38	9,495.5	-1,499.4	9,926.9	10,021.0	0.00	0.00	0.00
19,200.0	89.85	89.38	9,495.7	-1,498.9	9,976.9	10,070.8	0.00	0.00	0.00
19,250.0	89.85	89.38	9,495.8	-1,498.4	10,026.9	10,120.5	0.00	0.00	0.00
19,300.0	89.85	89.38	9,495.9	-1,497.8	10,076.9	10,170.3	0.00	0.00	0.00
19,350.0	89.85	89.38	9,496.1	-1,497.3	10,126.9	10,220.0	0.00	0.00	0.00
19,400.0	89.85	89.38	9,496.2	-1,496.7	10,176.9	10,269.8	0.00	0.00	0.00
19,450.0	89.85	89.38	9,496.3	-1,496.2	10,226.9	10,319.5	0.00	0.00	0.00
19,500.0	89.85	89.38	9,496.5	-1,495.7	10,276.9	10,369.3	0.00	0.00	0.00
19,550.0	89.85	89.38	9,496.6	-1,495.1	10,326.9	10,419.0	0.00	0.00	0.00
19,600.0	89.85	89.38	9,496.7	-1,494.6	10,376.9	10,468.8	0.00	0.00	0.00
19,650.0	89.85	89.38	9,496.8	-1,494.1	10,426.9	10,518.5	0.00	0.00	0.00
19,700.0	89.85	89.38	9,497.0	-1,493.5	10,476.9	10,568.3	0.00	0.00	0.00
19,750.0	89.85	89.38	9,497.1	-1,493.0	10,526.9	10,618.0	0.00	0.00	0.00
19,800.0	89.85	89.38	9,497.2	-1,492.4	10,576.9	10,667.8	0.00	0.00	0.00
19,850.0	89.85	89.38	9,497.4	-1,491.9	10,626.9	10,717.5	0.00	0.00	0.00
19,900.0	89.85	89.38	9,497.5	-1,491.4	10,676.9	10,767.3	0.00	0.00	0.00
19,950.0	89.85	89.38	9,497.6	-1,490.8	10,726.9	10,817.0	0.00	0.00	0.00
20,000.0	89.85	89.38	9,497.8	-1,490.3	10,776.8	10,866.8	0.00	0.00	0.00
20,050.0	89.85	89.38	9,497.9	-1,489.8	10,826.8	10,916.5	0.00	0.00	0.00
20,100.0	89.85	89.38	9,498.0	-1,489.2	10,876.8	10,966.3	0.00	0.00	0.00
20,150.0	89.85	89.38	9,498.2	-1,488.7	10,926.8	11,016.0	0.00	0.00	0.00
20,200.0	89.85	89.38	9,498.3	-1,488.1	10,976.8	11,065.8	0.00	0.00	0.00
20,250.0	89.85	89.38	9,498.4	-1,487.6	11,026.8	11,115.5	0.00	0.00	0.00
20,300.0	89.85	89.38	9,498.5	-1,487.1	11,076.8	11,165.3	0.00	0.00	0.00
20,350.0	89.85	89.38	9,498.7	-1,486.5	11,126.8	11,215.0	0.00	0.00	0.00
20,400.0	89.85	89.38	9,498.8	-1,486.0	11,176.8	11,264.8	0.00	0.00	0.00
20,450.0	89.85	89.38	9,498.9	-1,485.5	11,226.8	11,314.5	0.00	0.00	0.00
20,500.0	89.85	89.38	9,499.1	-1,484.9	11,276.8	11,364.3	0.00	0.00	0.00
20,550.0	89.85	89.38	9,499.2	-1,484.4	11,326.8	11,414.0	0.00	0.00	0.00
20,600.0	89.85	89.38	9,499.3	-1,483.8	11,376.8	11,463.8	0.00	0.00	0.00
20,650.0	89.85	89.38	9,499.5	-1,483.3	11,426.8	11,513.5	0.00	0.00	0.00
20,700.0	89.85	89.38	9,499.6	-1,482.8	11,476.8	11,563.3	0.00	0.00	0.00

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Runway 26/30 Fed Com #828H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3257.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3257.0usft (Original Well Elev)
Site:	Runway 26/30 Fed Com #828H	**North Reference:**	Grid
Well:	Sec 27, T22S, R26E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 330' FSL & 330' FEL (Sec 30)		
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)
20,750.0	89.85	89.38	9,499.7	-1,482.2	11,526.8	11,613.0	0.00	0.00	0.00
20,800.0	89.85	89.38	9,499.9	-1,481.7	11,576.8	11,662.8	0.00	0.00	0.00
20,850.0	89.85	89.38	9,500.0	-1,481.2	11,626.8	11,712.5	0.00	0.00	0.00
20,900.0	89.85	89.38	9,500.1	-1,480.6	11,676.8	11,762.3	0.00	0.00	0.00
20,950.0	89.85	89.38	9,500.2	-1,480.1	11,726.8	11,812.0	0.00	0.00	0.00
21,000.0	89.85	89.38	9,500.4	-1,479.5	11,776.8	11,861.8	0.00	0.00	0.00
21,050.0	89.85	89.38	9,500.5	-1,479.0	11,826.8	11,911.5	0.00	0.00	0.00
21,100.0	89.85	89.38	9,500.6	-1,478.5	11,876.8	11,961.3	0.00	0.00	0.00
21,150.0	89.85	89.38	9,500.8	-1,477.9	11,926.8	12,011.0	0.00	0.00	0.00
21,200.0	89.85	89.38	9,500.9	-1,477.4	11,976.8	12,060.8	0.00	0.00	0.00
21,250.0	89.85	89.38	9,501.0	-1,476.9	12,026.8	12,110.5	0.00	0.00	0.00
21,300.0	89.85	89.38	9,501.2	-1,476.3	12,076.8	12,160.3	0.00	0.00	0.00
21,350.0	89.85	89.38	9,501.3	-1,475.8	12,126.8	12,210.0	0.00	0.00	0.00
21,400.0	89.85	89.38	9,501.4	-1,475.2	12,176.8	12,259.8	0.00	0.00	0.00
21,450.0	89.85	89.38	9,501.6	-1,474.7	12,226.8	12,309.5	0.00	0.00	0.00
21,500.0	89.85	89.38	9,501.7	-1,474.2	12,276.8	12,359.3	0.00	0.00	0.00
21,550.0	89.85	89.38	9,501.8	-1,473.6	12,326.8	12,409.0	0.00	0.00	0.00
21,600.0	89.85	89.38	9,501.9	-1,473.1	12,376.8	12,458.8	0.00	0.00	0.00
21,650.0	89.85	89.38	9,502.1	-1,472.6	12,426.7	12,508.5	0.00	0.00	0.00
21,700.0	89.85	89.38	9,502.2	-1,472.0	12,476.7	12,558.3	0.00	0.00	0.00
21,750.0	89.85	89.38	9,502.3	-1,471.5	12,526.7	12,608.0	0.00	0.00	0.00
21,800.0	89.85	89.38	9,502.5	-1,470.9	12,576.7	12,657.8	0.00	0.00	0.00
21,850.0	89.85	89.38	9,502.6	-1,470.4	12,626.7	12,707.5	0.00	0.00	0.00
21,900.0	89.85	89.38	9,502.7	-1,469.9	12,676.7	12,757.3	0.00	0.00	0.00
21,950.0	89.85	89.38	9,502.9	-1,469.3	12,726.7	12,807.0	0.00	0.00	0.00
22,000.0	89.85	89.38	9,503.0	-1,468.8	12,776.7	12,856.8	0.00	0.00	0.00
22,050.0	89.85	89.38	9,503.1	-1,468.3	12,826.7	12,906.5	0.00	0.00	0.00
22,100.0	89.85	89.38	9,503.3	-1,467.7	12,876.7	12,956.3	0.00	0.00	0.00
22,150.0	89.85	89.38	9,503.4	-1,467.2	12,926.7	13,006.0	0.00	0.00	0.00
22,200.0	89.85	89.38	9,503.5	-1,466.6	12,976.7	13,055.8	0.00	0.00	0.00
22,250.0	89.85	89.38	9,503.7	-1,466.1	13,026.7	13,105.5	0.00	0.00	0.00
22,300.0	89.85	89.38	9,503.8	-1,465.6	13,076.7	13,155.3	0.00	0.00	0.00
22,350.0	89.85	89.38	9,503.9	-1,465.0	13,126.7	13,205.0	0.00	0.00	0.00
22,400.0	89.85	89.38	9,504.0	-1,464.5	13,176.7	13,254.8	0.00	0.00	0.00
22,450.0	89.85	89.38	9,504.2	-1,464.0	13,226.7	13,304.5	0.00	0.00	0.00
22,500.0	89.85	89.38	9,504.3	-1,463.4	13,276.7	13,354.3	0.00	0.00	0.00
22,550.0	89.85	89.38	9,504.4	-1,462.9	13,326.7	13,404.0	0.00	0.00	0.00
22,600.0	89.85	89.38	9,504.6	-1,462.3	13,376.7	13,453.8	0.00	0.00	0.00
22,650.0	89.85	89.38	9,504.7	-1,461.8	13,426.7	13,503.5	0.00	0.00	0.00
22,700.0	89.85	89.38	9,504.8	-1,461.3	13,476.7	13,553.3	0.00	0.00	0.00
22,750.0	89.85	89.38	9,505.0	-1,460.7	13,526.7	13,603.0	0.00	0.00	0.00
22,800.0	89.85	89.38	9,505.1	-1,460.2	13,576.7	13,652.8	0.00	0.00	0.00
22,850.0	89.85	89.38	9,505.2	-1,459.7	13,626.7	13,702.5	0.00	0.00	0.00
22,900.0	89.85	89.38	9,505.4	-1,459.1	13,676.7	13,752.3	0.00	0.00	0.00
22,950.0	89.85	89.38	9,505.5	-1,458.6	13,726.7	13,802.0	0.00	0.00	0.00
23,000.0	89.85	89.38	9,505.6	-1,458.0	13,776.7	13,851.8	0.00	0.00	0.00
23,050.0	89.85	89.38	9,505.7	-1,457.5	13,826.7	13,901.5	0.00	0.00	0.00
23,100.0	89.85	89.38	9,505.9	-1,457.0	13,876.7	13,951.3	0.00	0.00	0.00
23,150.0	89.85	89.38	9,506.0	-1,456.4	13,926.7	14,001.0	0.00	0.00	0.00
23,200.0	89.85	89.38	9,506.1	-1,455.9	13,976.7	14,050.8	0.00	0.00	0.00
23,250.0	89.85	89.38	9,506.3	-1,455.4	14,026.6	14,100.5	0.00	0.00	0.00
23,300.0	89.85	89.38	9,506.4	-1,454.8	14,076.6	14,150.3	0.00	0.00	0.00
23,350.0	89.85	89.38	9,506.5	-1,454.3	14,126.6	14,200.0	0.00	0.00	0.00
23,400.0	89.85	89.38	9,506.7	-1,453.7	14,176.6	14,249.8	0.00	0.00	0.00

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Runway 26/30 Fed Com #828H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3257.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3257.0usft (Original Well Elev)
Site:	Runway 26/30 Fed Com #828H	**North Reference:**	Grid
Well:	Sec 27, T22S, R26E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 330' FSL & 330' FEL (Sec 30)		
Design:	Design #1		

Planned Survey

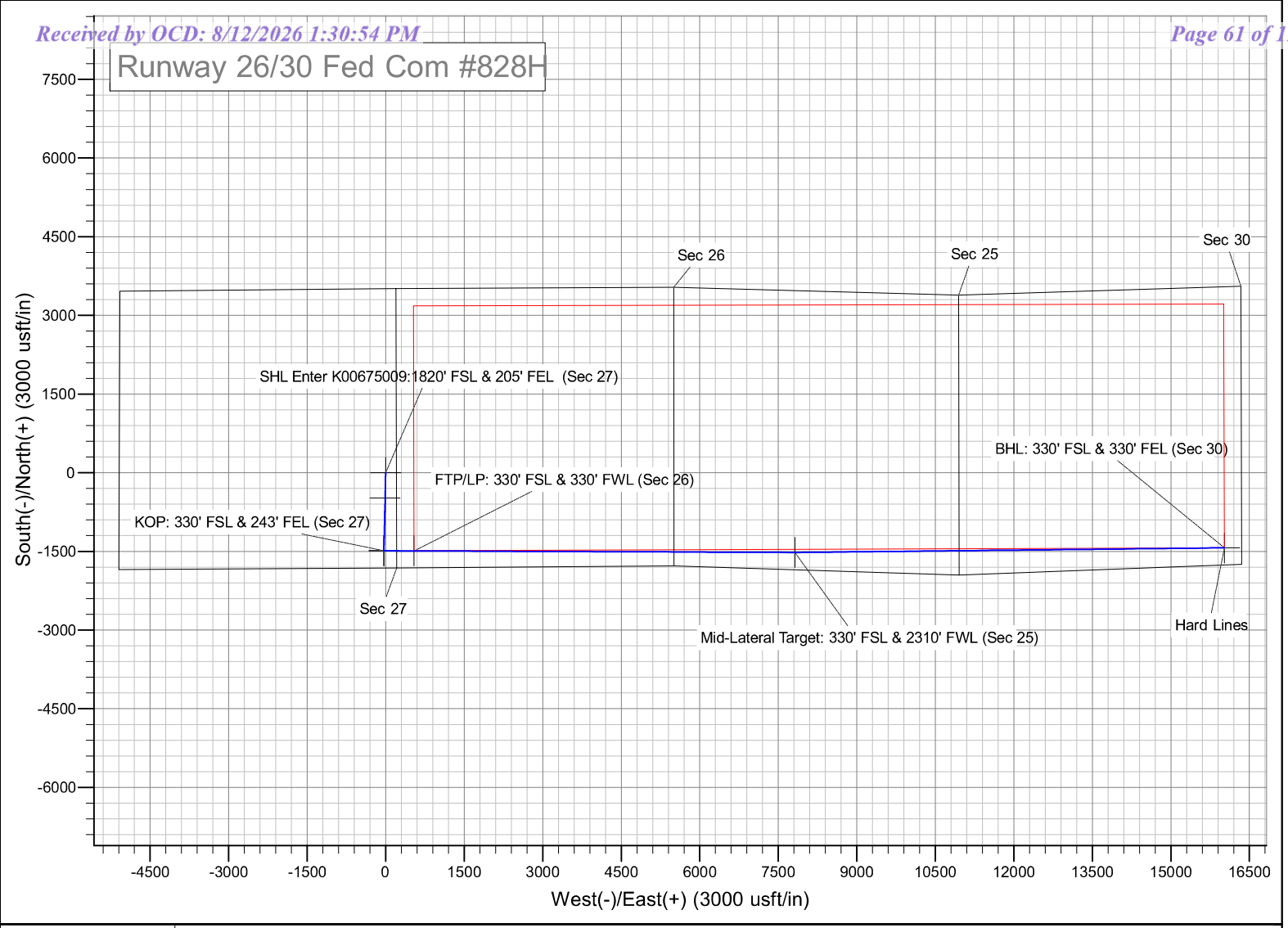
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
23,450.0	89.85	89.38	9,506.8	-1,453.2	14,226.6	14,299.5	0.00	0.00	0.00
23,500.0	89.85	89.38	9,506.9	-1,452.7	14,276.6	14,349.3	0.00	0.00	0.00
23,550.0	89.85	89.38	9,507.1	-1,452.1	14,326.6	14,399.0	0.00	0.00	0.00
23,600.0	89.85	89.38	9,507.2	-1,451.6	14,376.6	14,448.8	0.00	0.00	0.00
23,650.0	89.85	89.38	9,507.3	-1,451.1	14,426.6	14,498.5	0.00	0.00	0.00
23,700.0	89.85	89.38	9,507.4	-1,450.5	14,476.6	14,548.3	0.00	0.00	0.00
23,750.0	89.85	89.38	9,507.6	-1,450.0	14,526.6	14,598.0	0.00	0.00	0.00
23,800.0	89.85	89.38	9,507.7	-1,449.4	14,576.6	14,647.8	0.00	0.00	0.00
23,850.0	89.85	89.38	9,507.8	-1,448.9	14,626.6	14,697.5	0.00	0.00	0.00
23,900.0	89.85	89.38	9,508.0	-1,448.4	14,676.6	14,747.3	0.00	0.00	0.00
23,950.0	89.85	89.38	9,508.1	-1,447.8	14,726.6	14,797.0	0.00	0.00	0.00
24,000.0	89.85	89.38	9,508.2	-1,447.3	14,776.6	14,846.8	0.00	0.00	0.00
24,050.0	89.85	89.38	9,508.4	-1,446.8	14,826.6	14,896.5	0.00	0.00	0.00
24,100.0	89.85	89.38	9,508.5	-1,446.2	14,876.6	14,946.3	0.00	0.00	0.00
24,150.0	89.85	89.38	9,508.6	-1,445.7	14,926.6	14,996.0	0.00	0.00	0.00
24,200.0	89.85	89.38	9,508.8	-1,445.1	14,976.6	15,045.8	0.00	0.00	0.00
24,250.0	89.85	89.38	9,508.9	-1,444.6	15,026.6	15,095.5	0.00	0.00	0.00
24,300.0	89.85	89.38	9,509.0	-1,444.1	15,076.6	15,145.3	0.00	0.00	0.00
24,350.0	89.85	89.38	9,509.1	-1,443.5	15,126.6	15,195.0	0.00	0.00	0.00
24,400.0	89.85	89.38	9,509.3	-1,443.0	15,176.6	15,244.8	0.00	0.00	0.00
24,450.0	89.85	89.38	9,509.4	-1,442.5	15,226.6	15,294.5	0.00	0.00	0.00
24,500.0	89.85	89.38	9,509.5	-1,441.9	15,276.6	15,344.3	0.00	0.00	0.00
24,550.0	89.85	89.38	9,509.7	-1,441.4	15,326.6	15,394.0	0.00	0.00	0.00
24,600.0	89.85	89.38	9,509.8	-1,440.8	15,376.6	15,443.8	0.00	0.00	0.00
24,650.0	89.85	89.38	9,509.9	-1,440.3	15,426.6	15,493.5	0.00	0.00	0.00
24,700.0	89.85	89.38	9,510.1	-1,439.8	15,476.6	15,543.3	0.00	0.00	0.00
24,750.0	89.85	89.38	9,510.2	-1,439.2	15,526.6	15,593.0	0.00	0.00	0.00
24,800.0	89.85	89.38	9,510.3	-1,438.7	15,576.6	15,642.8	0.00	0.00	0.00
24,850.0	89.85	89.38	9,510.5	-1,438.2	15,626.6	15,692.5	0.00	0.00	0.00
24,900.0	89.85	89.38	9,510.6	-1,437.6	15,676.5	15,742.3	0.00	0.00	0.00
24,950.0	89.85	89.38	9,510.7	-1,437.1	15,726.5	15,792.0	0.00	0.00	0.00
25,000.0	89.85	89.38	9,510.9	-1,436.5	15,776.5	15,841.8	0.00	0.00	0.00
25,050.0	89.85	89.38	9,511.0	-1,436.0	15,826.5	15,891.5	0.00	0.00	0.00
25,100.0	89.85	89.38	9,511.1	-1,435.5	15,876.5	15,941.3	0.00	0.00	0.00
25,150.0	89.85	89.38	9,511.2	-1,434.9	15,926.5	15,991.0	0.00	0.00	0.00
25,200.0	89.85	89.38	9,511.4	-1,434.4	15,976.5	16,040.8	0.00	0.00	0.00
25,245.4	89.85	89.38	9,511.5	-1,433.9	16,021.9	16,085.9	0.00	0.00	0.00
BHL: 330' FSL & 330' FEL (Sec 30)									

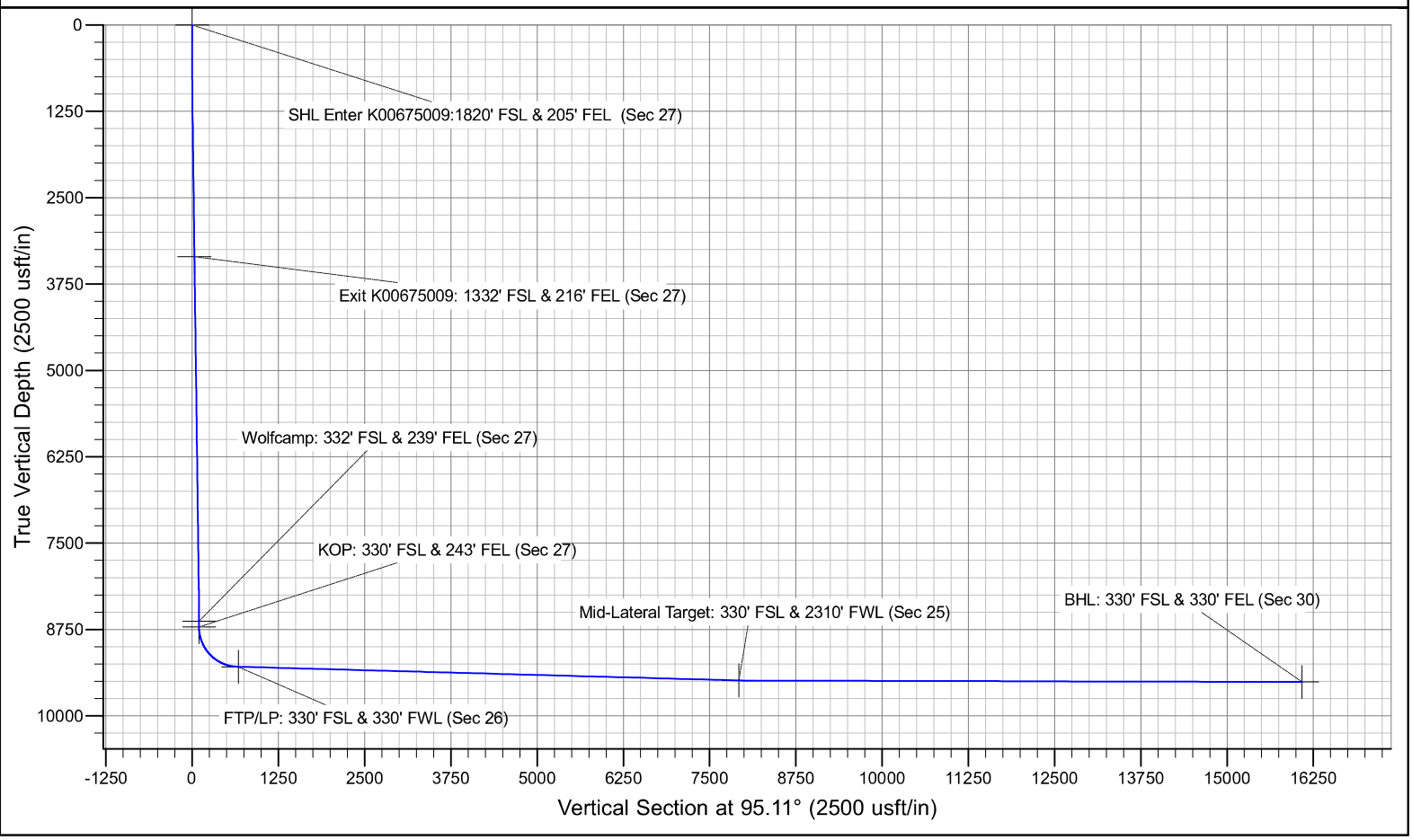
Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Runway 26/30 Fed Com #828H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3257.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3257.0usft (Original Well Elev)
Site:	Runway 26/30 Fed Com #828H	**North Reference:**	Grid
Well:	Sec 27, T22S, R26E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 330' FSL & 330' FEL (Sec 30)		
Design:	Design #1		

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 Enter K00675009:1 - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	495,094.10	559,929.10	32.3610696	-104.2731209
Exit K00675009: 1332' F - plan hits target center - Point	0.00	0.00	3,355.1	-488.0	-11.1	494,606.10	559,917.97	32.3597282	-104.2731579
Wolfcamp: 332' FSL & 2 - plan hits target center - Point	0.00	0.00	8,632.0	-1,488.6	-34.0	493,605.46	559,895.13	32.3569776	-104.2732337
KOP: 330' FSL & 243' FI - plan hits target center - Point	0.00	0.00	8,717.0	-1,489.9	-34.0	493,604.20	559,895.10	32.3569742	-104.2732338
FTP/LP: 330' FSL & 330 - plan hits target center - Point	0.00	0.00	9,290.4	-1,492.2	538.8	493,601.90	560,467.90	32.3569669	-104.2713787
Mid-Lateral Target: 330' - plan hits target center - Point	0.00	0.00	9,489.0	-1,521.5	7,818.3	493,572.60	567,747.40	32.3568726	-104.2478039
BHL: 330' FSL & 330' FE - plan misses target center by 0.5usft at 25245.4usft MD (9511.5 TVD, -1433.9 N, 16021.9 E) - Point	0.00	0.00	9,511.0	-1,433.9	16,021.9	493,660.20	575,951.00	32.3570926	-104.2212360


Runway 26/30 Fed Com #828H
Sec 26
Sec 25
Sec 30
SHL Enter K00675009:1820' FSL & 205' FEL (Sec 27)
BHL: 330' FSL & 330' FEL (Sec 30)
FTP/LP: 330' FSL & 330' FWL (Sec 26)
KOP: 330' FSL & 243' FEL (Sec 27)
Sec 27
Mid-Lateral Target: 330' FSL & 2310' FWL (Sec 25)
Hard Lines
South(-)/North(+) (3000 usft/in)
West(-)/East(+) (3000 usft/in)


SHL Enter K00675009:1820' FSL & 205' FEL (Sec 27)
Exit K00675009: 1332' FSL & 216' FEL (Sec 27)
Wolfcamp: 332' FSL & 239' FEL (Sec 27)
KOP: 330' FSL & 243' FEL (Sec 27)
Mid-Lateral Target: 330' FSL & 2310' FWL (Sec 25)
BHL: 330' FSL & 330' FEL (Sec 30)
FTP/LP: 330' FSL & 330' FWL (Sec 26)
True Vertical Depth (2500 usft/in)
Vertical Section at 95.11° (2500 usft/in)

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

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

Type text here

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description
Effective May 25, 2021

I. Operator: MEWBOURNE OIL CO. **OGRID:** 14744 **Date:** 2 / 6 / 26

II. Type: ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: _____

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
RUNWAY 26/30 FED COM 525H		I 27 22S 26E	1820' FSL X 285' FEL	1500	5000	5000
RUNWAY 26/30 FED COM 527H			1820' FSL X 225' FEL			Y1-1400 Y2-1000 Y3-600
				Y1-400 Y2-300 Y3-200	Y1-1400 Y2-1000 Y3-600	
RUNWAY 26/30 FED COM 715H		I 27 22S 26E	1820' FSL X 305' FEL	1500	3500	3000
RUNWAY 26/30 FED COM 717H			1820' FSL X 245' FEL			
				Y1-400 Y2-300 Y3-200		Y1-800 Y2-600 Y3-400
					Y1-1500 Y2-1200 Y3-800	
RUNWAY26/30 FED COM 826H		I 27 22S 26E	1820' FSL X 265' FEL	1000	8000	4000
RUNWAY 26/30 FED COM 828H			1820' FSL X 205' FEL			
				Y1-500 Y2-300 Y3-200		Y1-2000 Y2-1200 Y3-800
					Y1-4000 Y2-2500 Y3-1600	

IV. Central Delivery Point Name: RUNWAY 26/30 FED COM [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
RUNWAY 26/30 FED COM		3/6/26	4/6/26	5/6/26	5/21/26	5/26/26

VI. Separation Equipment: ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan

EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☒ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. ☐ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system ☐ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator ☐ does ☐ does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

XIV. Confidentiality: ☐ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Section 3 - Certifications

Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☒ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. ***If Operator checks this box, Operator will select one of the following:***

Well Shut-In. ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- **(a)** power generation on lease;
- **(b)** power generation for grid;
- **(c)** compression on lease;
- **(d)** liquids removal on lease;
- **(e)** reinjection for underground storage;
- **(f)** reinjection for temporary storage;
- **(g)** reinjection for enhanced oil recovery;
- **(h)** fuel cell production; and
- **(i)** other alternative beneficial uses approved by the division.

Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature:	
Printed Name:	BRADLEY BISHOP
Title:	REGULATORY MANAGER
E-mail Address:	BBISHOP@MEWBOURNE.COM
Date:	2/6/26
Phone:	575-393-5905

OIL CONSERVATION DIVISION **(Only applicable when submitted as a standalone form)**
Approved By:
Title:
Approval Date:
Conditions of Approval:

Mewbourne Oil Company

Natural Gas Management Plan – Attachment

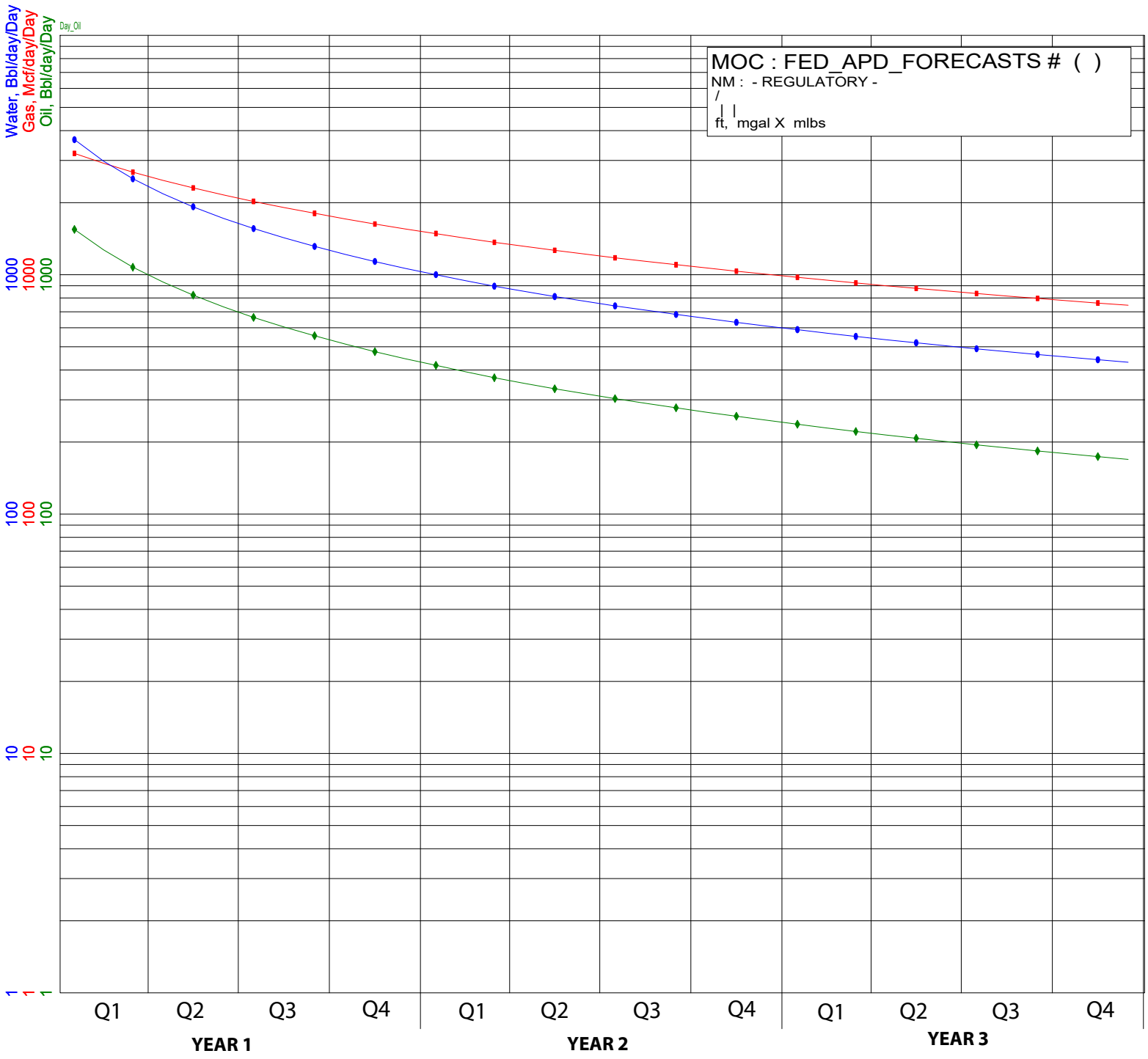
VI. Separation equipment will be sized by construction engineering staff based on stated manufacturer daily throughput capacities and anticipated daily production rates to ensure adequate capacity. Closed vent system piping, compression needs, and VRUs will be sized utilizing ProMax modelling software to ensure adequate capacity for anticipated production volumes and conditions.

VII. Mewbourne Oil Company (MOC) will take following actions to comply with the regulations listed in 19.15.27.8 :

A. MOC will maximize the recovery of natural gas by minimizing the waste, as defined by 19.15.2 NMAC, of natural gas through venting and flaring. MOC will ensure that well(s) will be connected to a natural gas gathering system with sufficient capacity to transport natural gas. If there is no adequate takeaway for the gas, well(s) will be shut in until the natural gas gathering system is available.
B. All drilling operations will be equipped with a rig flare located at least 100 ft from the nearest surface hole. Rig flare will be utilized to combust any natural gas that is brought to surface during normal drilling operations. In the case of emergency venting or flaring the volumes will be estimated and reported appropriately.
C. During completion operations any natural gas brought to surface will be flared. Immediately following the finish of completion operations, all well flow will be directed to permanent separation equipment. Produced natural gas from separation equipment will be sent to sales. It is not anticipated that gas will not meet pipeline standards. However, if natural gas does not meet gathering pipeline quality specifications, MOC will flare the natural gas for 60 days or until the natural gas meets the pipeline quality specifications, whichever is sooner. MOC will ensure that the flare is sized properly and is equipped with automatic igniter or continuous pilot. The gas sample will analyzed twice per week and the gas will be routed into a gathering system as soon as pipeline specifications are met.
D. Natural gas will not be flared with the exceptions and provisions listed in the 19.15.27.8 D.(1) through (4). If there is no adequate takeaway for the separator gas, well(s) will be shut in until the natural gas gathering system is available with exception of emergency or malfunction situations. Venting and/or flaring volumes will be estimated and reported appropriately.
E. MOC will comply with the performance standards requirements and provisions listed in 19.15.27.8 E.(1) through (8). All equipment will be designed and sized to handle maximum anticipated pressures and throughputs in order to minimize the waste. Production storage tanks constructed after May 25, 2021 will be equipped with automatic gauging system. Flares constructed after May 25, 2021 will be equipped with automatic igniter or continuous pilot. Flares will be located at least 100' from the well and storage tanks unless otherwise approved by the division. MOC will conduct AVO inspections as described in 19.15.27.8 E (5) (a) with frequencies specified in 19.15.27.8 E (5) (b) and (c). All emergencies will be resolved as quickly and safely as feasible to minimize waste.
F. The volume of natural gas that is vented or flared as the result of malfunction or emergency during drilling and completions operations will be estimated. The volume of natural gas that is vented, flared or beneficially used during production operations, will be measured or estimated. MOC will install equipment to measure

the volume of natural gas flared from existing process piping or a flowline piped from equipment such as high pressure separators, heater treaters, or vapor recovery units associated with a well or facility associated with a well authorized by an APD issued after May 25, 2021 that has an average daily production greater than 60 Mcf/day. If metering is not practicable due to circumstances such as low flow rate or low pressureventing and flaring, MOC will estimate the volume of vented or flared natural gas. Measuring equipment will conform to industry standards and will not be designed or equipped with a manifold that allows thediversion of natural gas around the metering element except for the sole purpose of inspecting and servicing the measurement equipment.

VIII. For maintenance activities involving production equipment and compression, venting will be limited to the depressurization of the subject equipment to ensure safe working conditions. For maintenance of production and compression equipment the associated producing wells will be shut in to eliminate venting. For maintenance of VRUs all gas normally routed to the VRU will be routed to flare to eliminate venting.



Oil, Bbl/day
Qual= EDDYBS3.0
Ref= 1/2025
Cum= 0
Rem= 482602
EUR= 482602
Yrs= 3.000
Qi= 1725.0
b= 0.950000
De= 75.000000
Df= 23.952479
Qab= 166.9

Gas, Mcf/day
Qual= EDDYBS3.0
Ref= 1/2025
Cum= 0
Rem= 1557085
EUR= 1557085
Yrs= 3.000
Qi= 3375.0
b= 1.050000
De= 55.000000
Df= 20.108832
Qab= 737.4

Water, Bbl/d
Qual= EDDYBS3.0
Ref= 1/2025
Cum= 0
Rem= 1156985
EUR= 1156985
Yrs= 3.000
Qi= 4125.0
b= 1.050000
De= 75.000000
Df= 22.260386
Qab= 425.5

Mewbourne Oil Company, Runway 26/30 Fed Com 828H
Sec 27, T22S, R26E
SHL: 1820' FSL 205' FEL (Sec 27)
BHL: 330' FSL 330' FEL (Sec 30)

Well Location **GL: 3229'**

Point	Calls	Leases	Aliquot	Section	Township	Range	County	Lat	Long	TVD	MD
SHL	SHL: 1820' FSL & 205' FEL (Sec 27)	State	NESE	27	22S	26E	Eddy	32.3610695	- 104.2731211	0'	0'
KOP	KOP: 330' FSL & 243' FEL (Sec 27)	NMNM098152	SESE	27	22S	26E	Eddy	32.3569742	- 104.2732339	8,717'	8,859'
FTP	FTP/LP: 330' FSL & 330' FWL (Sec 26)	NMNM098152	SWSW	26	22S	26E	Eddy	32.3569847	- 104.2713788	9,290'	9,759'
BHL	BHL: 330' FSL & 330' FEL (Sec 30)	Fee	SESE	30	22S	27E	Eddy	32.3570926	- 104.2212359	9,511'	25,245'

GEOLOGY

Formation	Est. Top (TVD)	Lithology	Mineral Resources	Formation	Est. Top (TVD)	Lithology	Mineral Resources
Rustler				Delaware (Lamar)	1596'	Limestone	Oil/Natural Gas
Salt Top				Bell Canyon	1823'	Sandstone	Oil/Natural Gas
Castile				Cherry Canyon	2365'	Sandstone	Oil/Natural Gas
Marker Bed 126				Manzanita Marker	2581'	Limestone	Oil/Natural Gas
Salt Base				Basal Brushy Canyon	3436'	Sandstone	Oil/Natural Gas
Yates				Bone Spring	5057'	Limestone/Shale	Oil/Natural Gas
Seven Rivers				1st Bone Spring Carbonate			
Queen				1st Bone Spring Sand	6063'	Sandstone	Oil/Natural Gas
Capitan				2nd Bone Spring Carbonate			
Grayburg				2nd Bone Spring Sand	6609'	Sandstone	Oil/Natural Gas
San Andres				3rd Bone Spring Carbonate			
Glorietta				3rd Bone Spring Sand	8220'	Sandstone	Oil/Natural Gas
Yeso				Wolfcamp	**8632'**	Shale/Sandstone/Limestone	Oil/Natural Gas

Casing Program Design A						BLM Minimum Safety Factors	1.125	1.0	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet
Casing String	Hole Diameter (in)	Top MD	Top TVD	Bottom MD	Bottom TVD	Casing Description	SF Collapse	SF Burst	SF Jt Tension	SF Body Tension
Surface	17.5"	0'	0'	600'	600'	13.375" 48# H40 STC	2.87	6.45	11.18	18.78
Intermediate	12.25"	0'	0'	1800'	1800'	9.625" 36# J55 LTC	2.51	4.37	6.99	8.70
Production	8.75"	0'	0'	9759'	9290'	7 5/8" 29.7# HCP110 GBCD	1.53	2.02	2.65	3.24
Liner	6.75"	8859'	8717'	25245'	9511'	5.5" 20# HPP110 Talon	1.95	2.22	2.88	3.37

All casing strings will be tested in accordance with 43 CFR Part 3172. 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.	Y
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?	N
If yes, does production casing cement tie back a minimum of 50' above the Reef?	
Is well within the designated 4 string boundary.	N
Is well located in SOPA but not in R-111-Q?	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-Q 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 an open annulus used to satisfy R-111-Q? If yes, see cement design.	
Is an engineered weak point used to satisfy R-111-Q?	
If yes, at what depth is the weak point planned?	
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?	Y
If yes, are there three strings cemented to surface?	Y

Mewbourne Oil Company, Runway 26/30 Fed Com 828H
Sec 27, T22S, R26E
SHL: 1820' FSL 205' FEL (Sec 27)
BHL: 330' FSL 330' FEL (Sec 30)

Design A - Cement Program

Casing	Cement Stage	# sx	Density (ppg)	Yield (ft^3/sack)	Depth (MD)	Volume (ft^3)	% Excess	Slurry Description
13.375 in	LEAD	270	12.5	2.12	0' - 410'	580	100%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	410' - 600'	268		Class C: Retarder
9.625 in	LEAD	230	12.5	2.12	0' - 1164'	490	25%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	1164' - 1800'	268		Class C: Retarder
7.625 in	LEAD	480	12.5	2.12	0' - 6672'	1020	25%	Class C: Salt, Gel, Extender, LCM, Defoamer
	TAIL	400	15.6	1.18	6672' - 9759'	472		Class H: Retarder, Fluid Loss, Defoamer
5.5 in	LEAD	940	13.5	1.85	8859' - 25245'	1740	25%	Class H: Salt, Gel, Fluid Loss, Retarder, Dispersant, Defoamer, Anti-settling Agent

Pressure Control Equipment

BOP installed and tested before drilling hole (in):	Size (in)	System Rated WP	Type		Tested to:	Rating Depth
12.25	13.375	5M	Annular	X	2500#/3500#	25,245'
		5M	Blind Ram	X	5000#	
			Pipe Ram	X		
			Double Ram			
			Other*			

*Specify if additional ram is utilized.

Equipment: Annular, Pipe Rams, Blind Rams, 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.

Variance Request: A variance is requested for the use of a flexible choke line from the BOP to the choke manifold. See attached for hydrostatic test chart. Anchors are not required by manufacturer. Variance is requested to use a multi bowl wellhead. Variance is requested to perform break testing according to attached procedure. If a breaktesting variance is approved & incorporated, API Standard 53 will be incorporated and testing annular BOP to 70% of RWP or 100% of MASP, whichever is greater, will be performed.

Testing Procedure: BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per 43 CFR Part 3172 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.

Y	Formation integrity test will be performed per 43 CFR Part 3172. On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with 43 CFR Part 3172.
N	Mewbourne Oil Company request a variance to use a 5000 psi annular BOP with a 10,000 psi BOP stack.

Mud Program

Depth (MD)	Mud Wt (ppg)	Mud Type
0' - 600'	8.4 - 8.6	Fresh Water
600' - 1800'	8.4 - 8.6	Fresh Water
1800' - 9759'	8.6 - 9.7	Cut-Brine
9759' - 25245'	10.0 - 11.5	OBM

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

What will be used to monitor the loss or gain of fluid?	Pason/PVT/Visual Monitoring

Mewbourne Oil Company, Runway 26/30 Fed Com 828H
Sec 27, T22S, R26E
SHL: 1820' FSL 205' FEL (Sec 27)
BHL: 330' FSL 330' FEL (Sec 30)

Logging and Testing Procedures

Logging, Coring and Testing.	
Y	Will run GR/CNL from KOP (8859') to surface (horizontal well – vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM.
N	No logs are planned based on well control or offset log information. Offset Well:
N	Coring? If yes, explain:

Open & Cased Hole Logs Run In the Well

☐	Caliper	☐	Cement Bond Log	☐	CNL/FDC
☐	Compensated Densilog	☑	**Compensated Neutron Log**	☐	Computer Generated Log
☐	Dip Meter Log	☑	**Directional Survey**	☐	Dual Induction/Microresistivity
☐	Dual Lateral Log/Microspherically Focused	☐	Electric Log	☐	Formation Density Compensated Log
☑	**Gamma Ray Log**	☑	**Measurement While Drilling**	☐	Mud Log/Geological Lithology Log
☐	Other	☐	Porosity-Resistivity Log	☐	Sidewall Neutron Log
☐	Sonic Log	☐	Spontaneous Potential Log	☐	Temperature Log

Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	5688 psi
BH Temperature	165
Abnormal Temp, Pressure, or Geologic Hazards	No

Mitigation measure for abnormal conditions. Describe. Lost circulation material/sweeps/mud scavengers in surface hole. Weighted mud for possible over-pressure in Wolfcamp formation.

Hydrogen Sulfide (H2S) monitors will be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM.

	H2S is present
X	H2S Plan attached

Mewbourne Oil Company, Runway 26/30 Fed Com 828H
Sec 27, T22S, R26E
SHL: 1820' FSL 205' FEL (Sec 27)
BHL: 330' FSL 330' FEL (Sec 30)

Other facets of operation

Mewbourne Oil Company requests approval to implement additional designs as described below &/or in other attachments. BLM will be notified of elected design. Mewbourne Oil Company will not introduce any additives that contain PFAS chemicals in the completion or recompletion of the well.

☐ Deep Conductor

Offline Cementing Variance: Variance is requested to perform offline cementing according to the attached procedure. **R-111Q:** Mewbourne proposes performing Open Hole Cementing per R-111Q Guidelines if well is in Potash.

Casing Program Design B						BLM Minimum Safety Factors	1.125	1.0	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet
Casing String	**Hole Diameter (in)**	**Top MD**	**Top TVD**	**Bottom MD**	**Bottom TVD**	**Casing Description**	**SF Collapse**	**SF Burst**	**SF Jt Tension**	**SF Body Tension**
Surface	17.5"	0'	0'	600'	600'	13.375" 48# H40 STC	2.87	6.45	11.18	18.78
Intermediate	12.25"	0'	0'	1800'	1800'	9.625" 36# J55 LTC	2.51	4.37	6.99	8.70
Production	8.75"	0'	0'	9550'	9252'	7 5/8" 29.7# HCP110 GBCD	1.53	2.03	2.71	3.31
Liner	6.75"	8859'	8717'	25245'	9511'	5" 18# HPP110 Talon	2.72	2.79	3.85	3.85

All casing strings will be tested in accordance with 43 CFR Part 3172. 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.	Y
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?	N
If yes, does production casing cement tie back a minimum of 50' above the Reef?	
Is well within the designated 4 string boundary.	N
Is well located in SOPA but not in R-111-Q?	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-Q 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 an open annulus used to satisfy R-111-Q? If yes, see cement design.	
Is an engineered weak point used to satisfy R-111-Q?	
If yes, at what depth is the weak point planned?	
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?	Y
If yes, are there three strings cemented to surface?	Y

Design B - Cement Program

Casing	Cement Stage	# sx	Density (ppg)	Yield (ft^3/sack)	Depth (MD)	Volume (ft^3)	% Excess	Slurry Description
13.375 in	LEAD	270	12.5	2.12	0' - 410'	580	100%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	410' - 600'	268		Class C: Retarder
9.625 in	LEAD	230	12.5	2.12	0' - 1164'	490	25%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	1164' - 1800'	268		Class C: Retarder
1st Stg 7.625 in	LEAD	470	12.5	2.12	0' - 6488'	1000	25%	Class C: Salt, Gel, Extender, LCM, Defoamer
	TAIL	400	15.6	1.18	6488' - 9550'	472		Class H: Retarder, Fluid Loss, Defoamer
5.0 in	LEAD	1250	13.5	1.85	8859' - 25245'	2320	25%	Class H: Salt, Gel, Fluid Loss, Retarder, Dispersant, Defoamer, Anti-settling Agent

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BOP Break Testing Variance

Mewbourne Oil Company requests a variance from the minimum standards for well control equipment testing of 43 CFR 3172 to allow a testing schedule of the blow out preventer (BOP) and blow out prevention equipment (BOPE) along with batch drilling & offline cementing operations. Modern rig upgrades which facilitate pad drilling allow the BOP stack to be moved between wells on a multi-well pad without breaking any BOP stack components apart. Widespread use of these technologies has led to break testing BOPE being endorsed as safe and reliable. American Petroleum Institute (API) best practices are frequently used by regulators to develop their regulations. API Standard 53, *Well Control Equipment Systems for Drilling Wells* (5th Ed., Dec. 2018) Section 5.3.7.1 states "A pressure test of the pressure containing component shall be performed following the disconnection or repair, limited to the affected component."

Procedures

1. Full BOPE test at first installation on the pad.
   - Full BOPE test at least every 21 days.
   - Function test BOP elements per 43 CFR 3172.
   - Contact the BLM if a well control event occurs.
2. After the well section is secured and the well is confirmed to be static, the BOP will be disconnected from the wellhead and walked with the rig to another well on the pad. Two breaks on the BOPE will be made (Fig. 1).
   - Connection between the flex line and the HCR valve
   - Connection between the wellhead and the BOP quick connect (Fig. 5 & 6).
3. A capping flange will be installed after cementing per wellhead vendor procedure & casing pressure will be monitored via wellhead valve.
4. The BOP will be removed and carried by a hydraulic carrier (Fig. 3 & 4).
5. The rig will then walk to the next well.
6. Confirm that the well is static and remove the capping flange.
7. The connection between the flex line and HCR valve and the connection between the wellhead and the BOP quick connect will be reconnected.
8. Install a test plug into the wellhead.
9. A test will then be conducted against the upper pipe rams and choke, testing both breaks (Fig. 1 & 2).
10. The test will be held at 250 psi low and to the high value submitted in the APD, not to exceed 5000 psi.
11. The annular, blind rams and lower pipe rams will then be function tested.
12. If a pad consists of three or more wells, steps 4 through 11 will be repeated.

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13. A break test will only be conducted if the intermediate section can be drilled and cased within 21 days of the last full BOPE test.

Barriers

Before Nipple Down:

- Floats in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus
- Solid body mandrel and/or packoff

After Nipple Down:

- Floats in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus
- Solid body mandrel and/or packoff
- Offline cementing tool and/or cement head
- Capping flange after cementing

Summary

A variance is requested to only test broken pressure seals on the BOPE when moving between wells on a multi-well pad if the following conditions are met:

- A full BOPE test is conducted on the first well on the pad. API Standard 53 requires testing annular BOP to 70% of RWP or 100% of MASP, whichever is greater.
- If the first well on the pad is not the well with the deepest intermediate section, a full BOPE test will also be performed when moving to a deeper well.
- The hole section being drilled has a MASP under 5000 psi.
- If a well control event occurs, Mewbourne will contact BLM for permission to continue break testing.
- If significant (>50%) losses occur, full BOPE testing will be required going forward.
- Full BOPE test will be required prior to drilling the production hole.

While walking the rig, the BOP stack will be secured via hydraulic winch or hydraulic carrier. A full BOPE test will be performed at least every 21 days.

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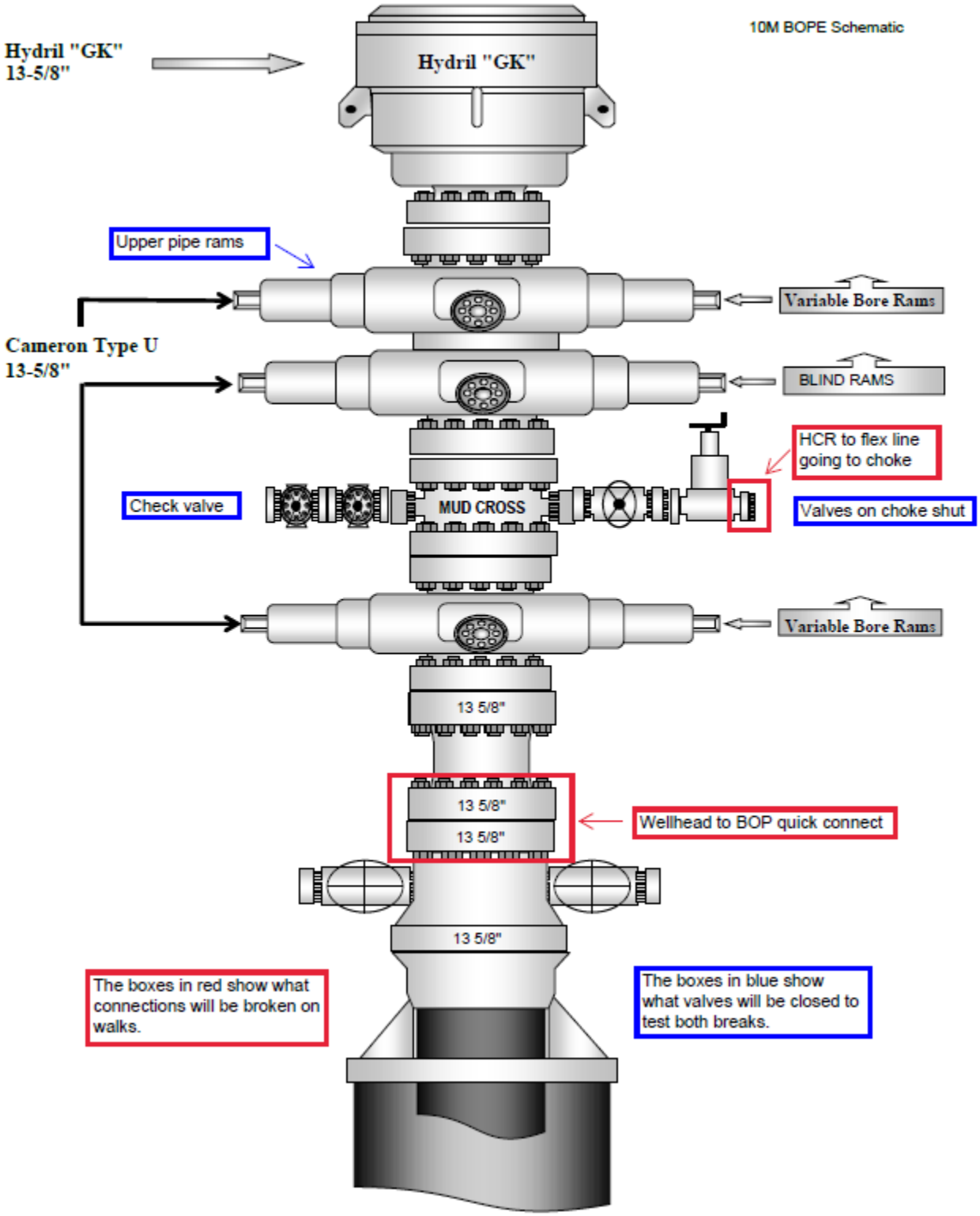


Figure 1. BOP diagram

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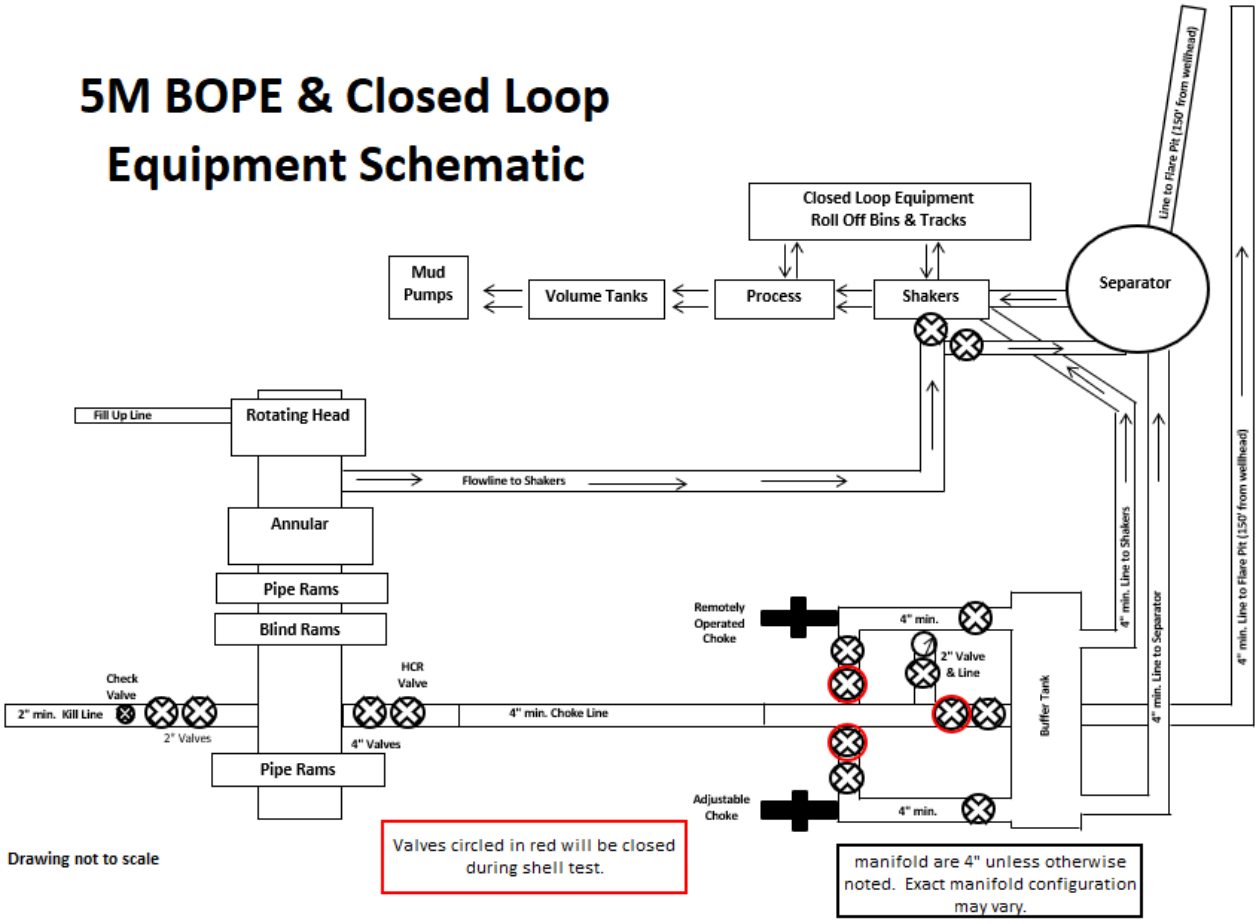


Figure 2. BOPE diagram

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Figure 3. BOP handling system

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Figure 4. BOP handling system

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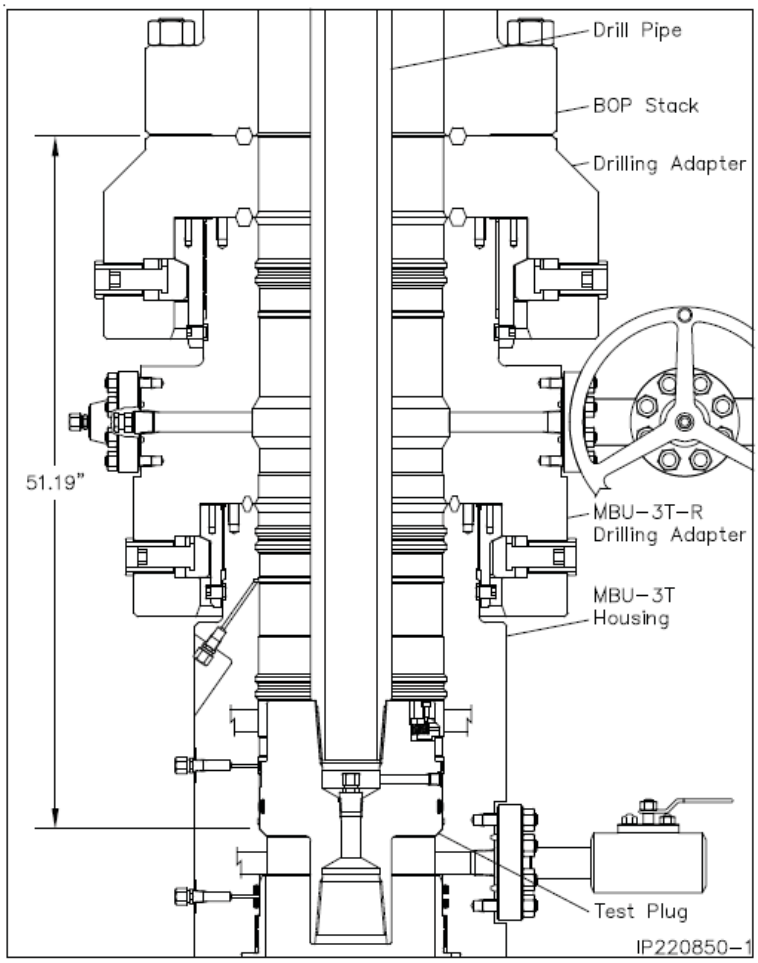


Figure 5. Cactus 5M wellhead with BOP quick connect

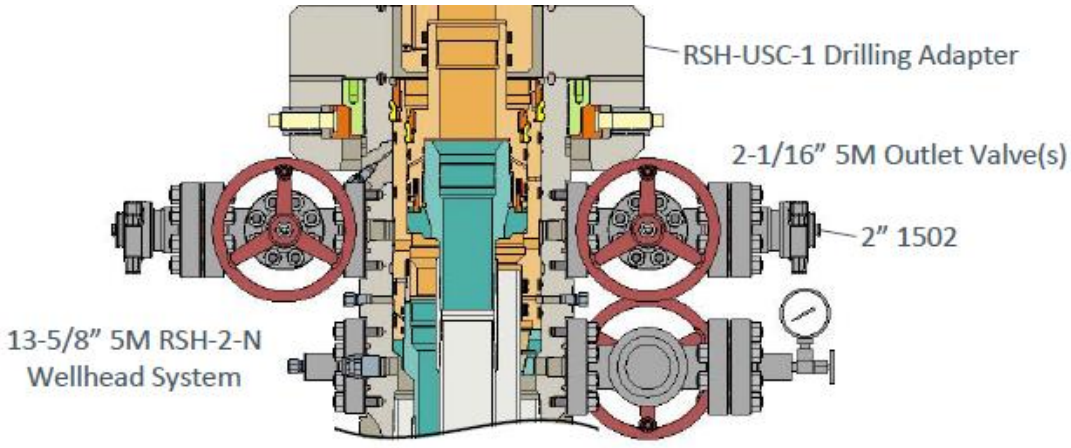


Figure 6. Vault 5M wellhead with BOP quick connect

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Surface & Intermediate Offline Cementing Variance

Mewbourne Oil Company requests a variance to perform offline cementing for surface and intermediate casing strings with the following conditions:

- Offline cementing will not be performed on production casing.
- Offline cementing will not be performed on a hole section with MASP > 5000 psi.
- Offline cementing will not be performed concurrently with offset drilling.

Surface Casing Order of Operations:

1. Run 13 3/8" surface casing as per normal operations (TPGS and float collar).
2. Perform negative pressure test to confirm integrity of float equipment while running casing.
3. Confirm well is static.
4. Make up 13 ⅝" wellhead or wellhead landing ring assembly and land on 20" conductor.
5. Fill pipe, circulate casing capacity and confirm float(s) are still holding.
6. Confirm well is static.
7. Back out landing joint and pull to rig floor. Lay down landing joint.
8. Walk rig to next well on pad with cement crew standing by to rig up.
9. Make up offline cement tool with forklift per wellhead manufacturer (Fig. 1 & 2).
10. Make up cement head on top of offline cement tool with forklift.
11. Commence cement operations.
12. If cement circulates, confirm well is static and proceed to step 16.
13. If cement does not circulate, notify the appropriate BLM office, wait a minimum of six hours, and run a temperature survey to determine the top of cement.
14. Use 1" pipe for remedial cement job until the surface casing is cemented to surface.
15. Confirm well is static.
16. Once cement job is complete, the cement head and offline cementing tool are removed. The wellhead technician returns to cellar to install wellhead/valves.
17. Install wellhead capping flange.

Barriers

Before Walk:

- Float(s) in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus

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After Walk:

- Float(s) in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus
- Offline cementing tool tested to 5000 psi and cement head
- Capping flange after cementing

20” Surface Casing Order of Operations (4 string area):

1. Run 20" surface casing as per normal operations (TPGS and float collar).
2. Perform negative pressure test to confirm integrity of float equipment while running casing.
3. Fill pipe, circulate casing capacity and confirm float(s) are still holding.
4. Confirm well is static.
5. Back out landing joint and pull to rig floor. Lay down landing joint.
6. Make up cement head.
7. Walk rig to next well on pad with cement crew standing by to rig up.
8. Commence cement operations.
9. If cement circulates, confirm well is static and proceed to step 13.
10. If cement does not circulate, notify the appropriate BLM office, wait a minimum of six hours, and run a temperature survey to determine the top of cement.
11. Use 1" pipe for remedial cement job until the surface casing is cemented to surface.
12. Confirm well is static.
13. Once cement job is complete, remove cement head and install cap.

Barriers

Before Walk:

- Float(s) in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus
- Cement Head

After Walk:

- Float(s) in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus
- Cement head
- Capping flange after cementing

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Intermediate Casing Order of Operations:

1. Run casing as per normal operations (float shoe and float collar).
2. Perform negative pressure test to confirm integrity of float equipment while running casing.
3. Confirm well is static (if running SBM).
4. Land casing.
5. Fill pipe, circulate casing capacity and confirm floats are still holding.
6. Confirm well is static.
7. Back out landing joint and pull to rig floor. Lay down landing joint. Install packoff & test.
8. Nipple down BOP.
9. Walk rig to next well on pad with cement crew standing by to rig up.
10. Make up offline cement tool using forklift per wellhead manufacturer (Fig. 3 - 8).
11. Make up cement head on top of offline cement tool.
12. Commence cement operations.
13. If cement circulates, confirm well is static and proceed to step 16.
14. If cement does not circulate (when required), notify the appropriate BLM office, wait a minimum of six hours, and run a temperature survey to determine the top of cement.
15. Pump remedial cement job if required.
16. Confirm well is static.
17. Remove cement head and offline cementing tool.
18. Install wellhead capping flange and test.

Barriers

Before Nipple Down:

- Floats in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus
- Solid body mandrel and/or packoff

After Nipple Down:

- Floats in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus
- Solid body mandrel and/or packoff
- Offline cementing tool tested to 5000 psi and cement head
- Capping flange after cementing

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Risks:

- Pressure build up in annulus before cementing
  - Contact BLM if a well control event occurs.
  - Rig up 3rd party pump or rig pumps to pump down casing and kill well.
  - Returns will be taken through the wellhead valves to a choke manifold (Fig 9 & 10).
  - Well could also be killed through the wellhead valves down the annulus.

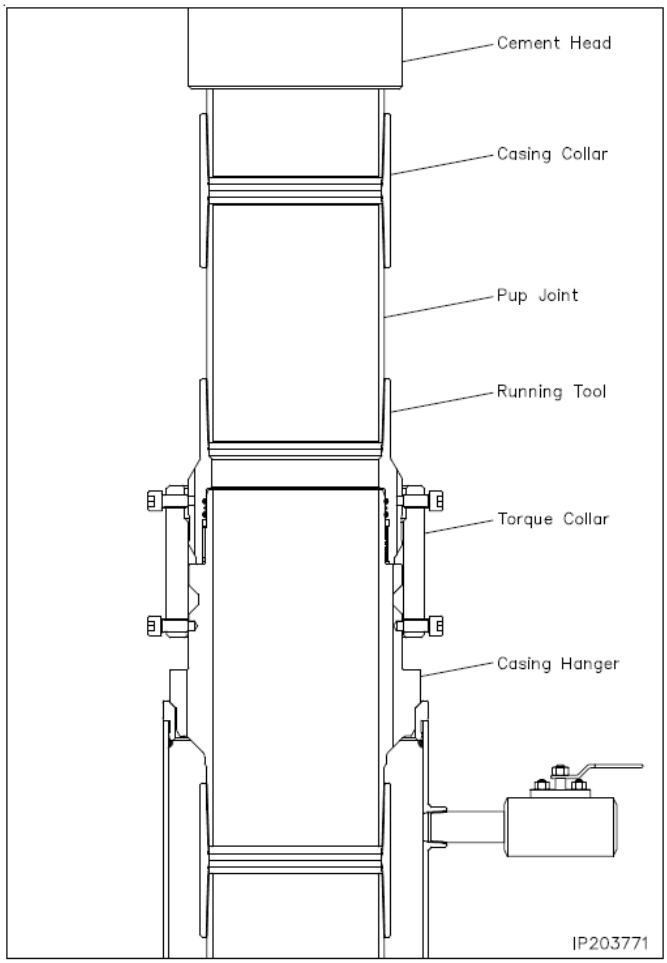


Figure 1. Cactus 13 3/8" 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 13 3/8" pup joint and casing.

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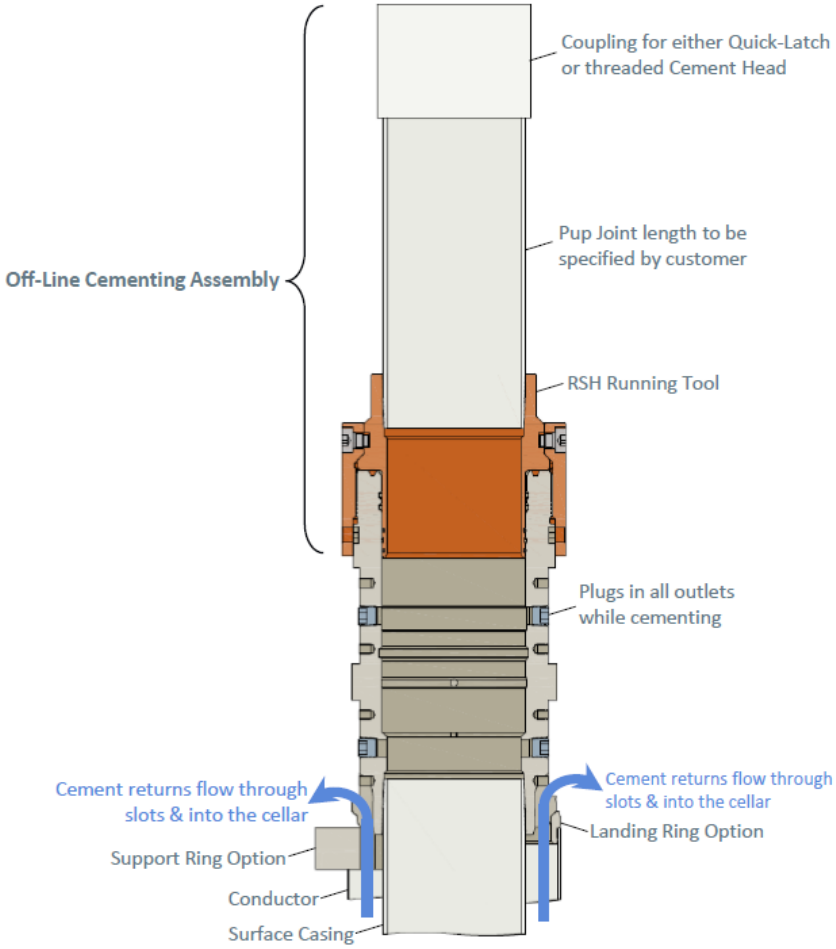


Figure 2. Vault 13 3/8” 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 13 3/8” pup joint and casing.

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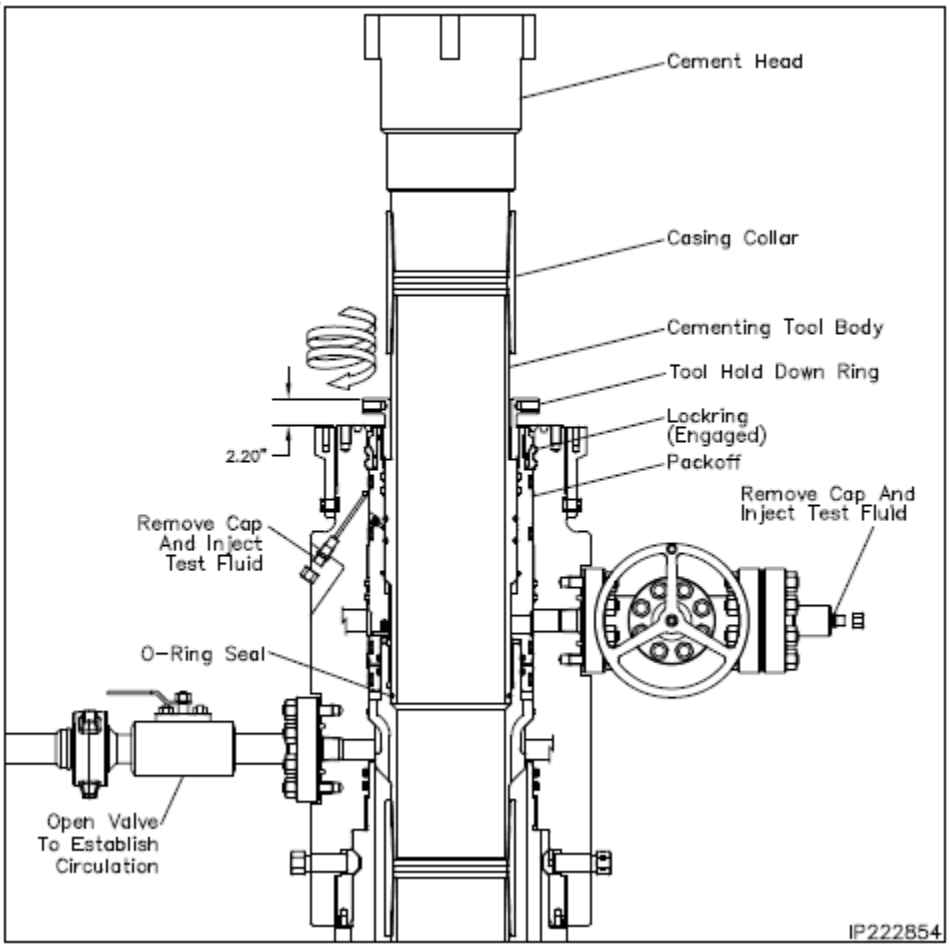


Figure 3. Cactus 9 5/8" 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 9 5/8" pup joint and casing.

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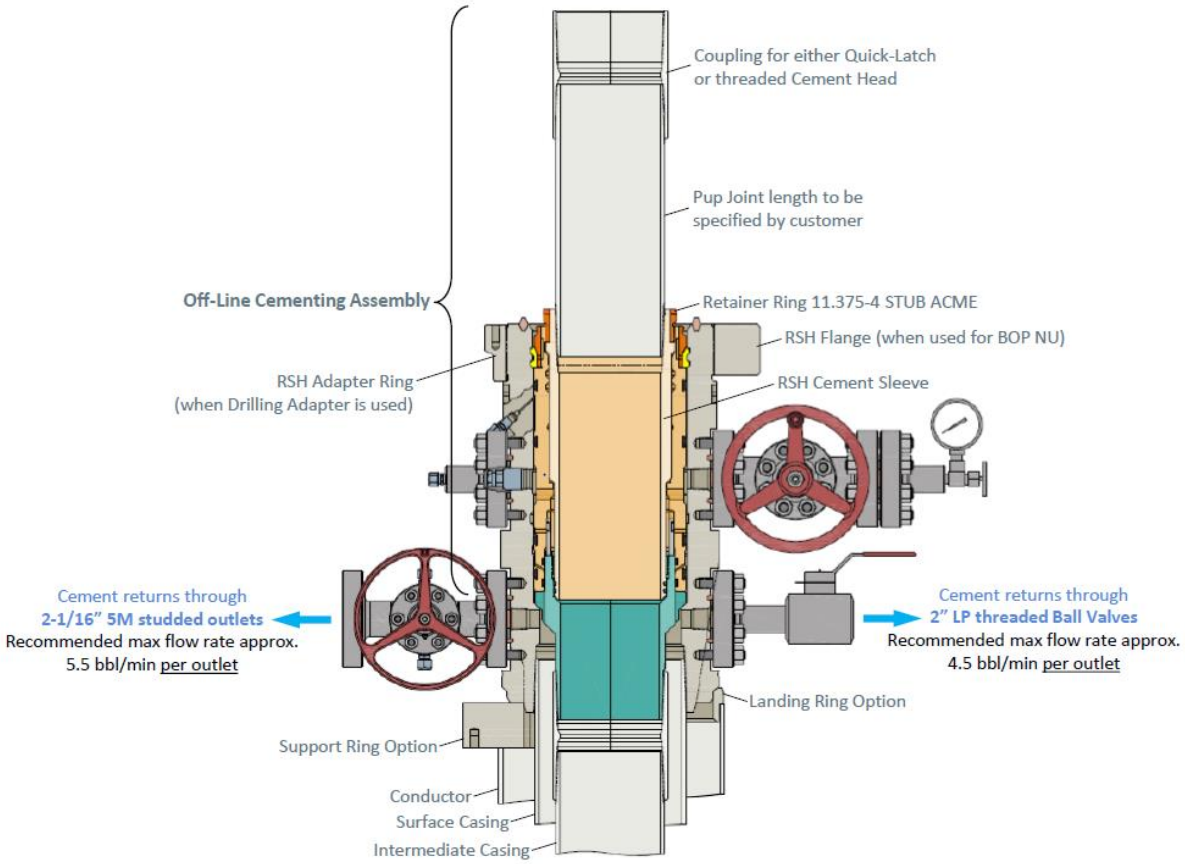


Figure 4. Vault 9 5/8" 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 9 5/8" pup joint and casing.

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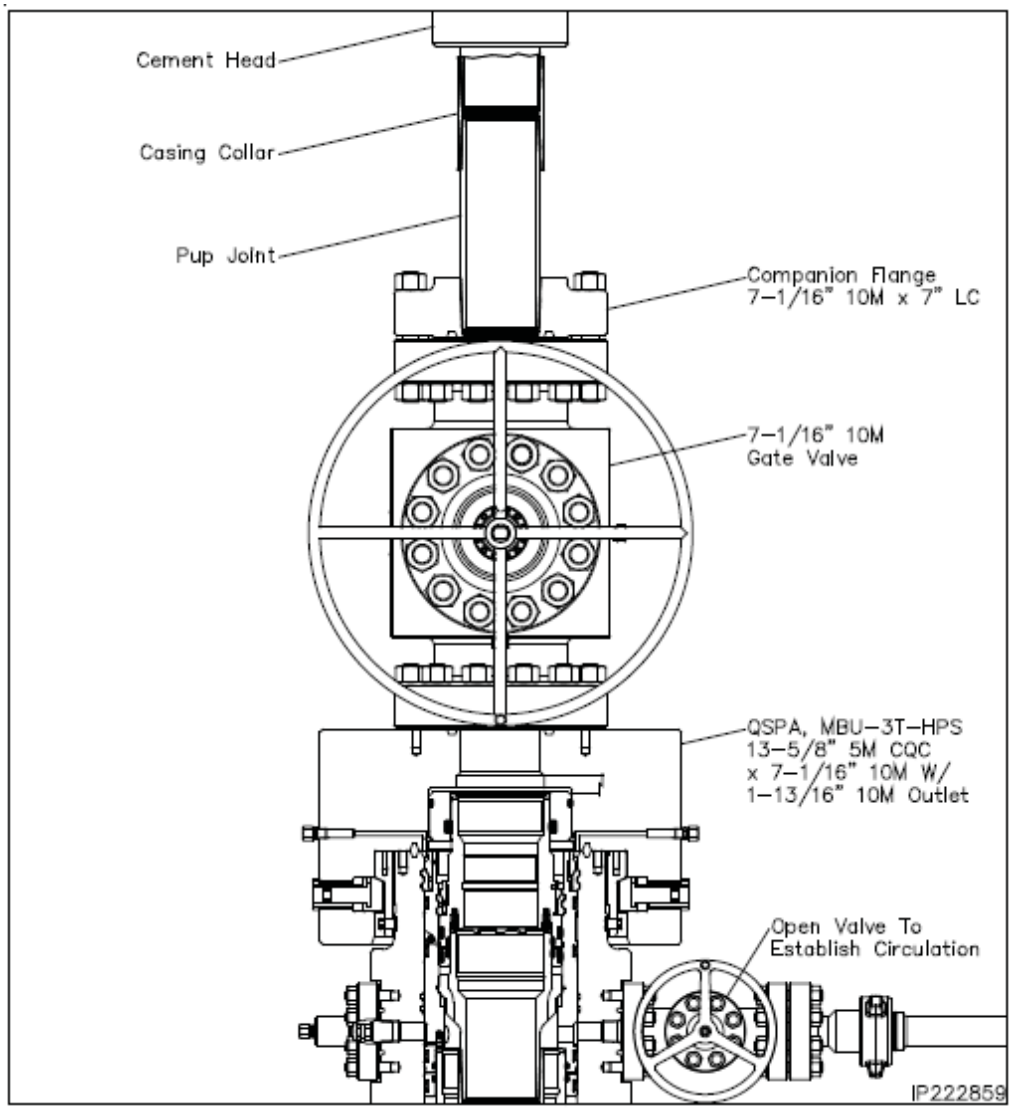


Figure 5. Cactus 7" 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 7" pup joint and casing.

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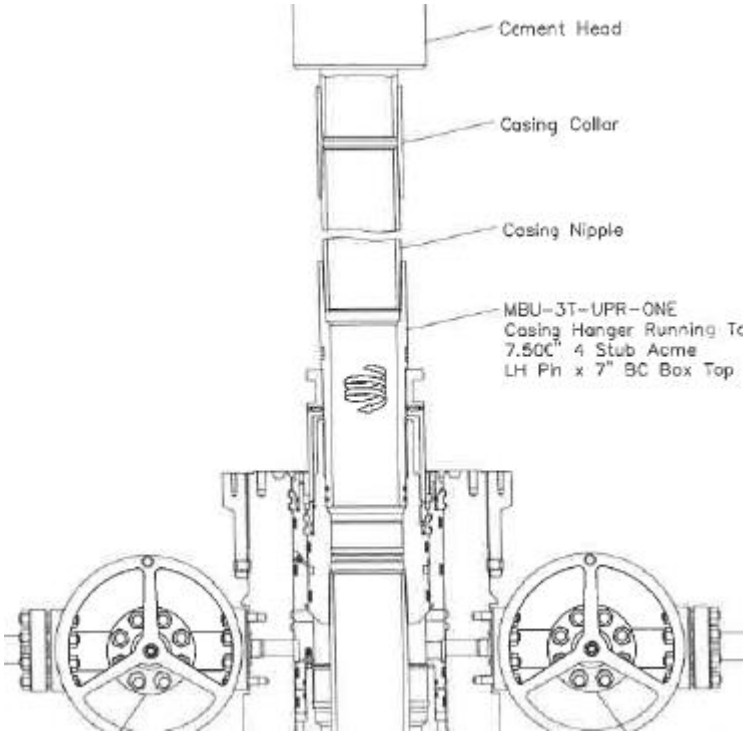


Figure 6. Cactus 7” 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 7” pup joint and casing.

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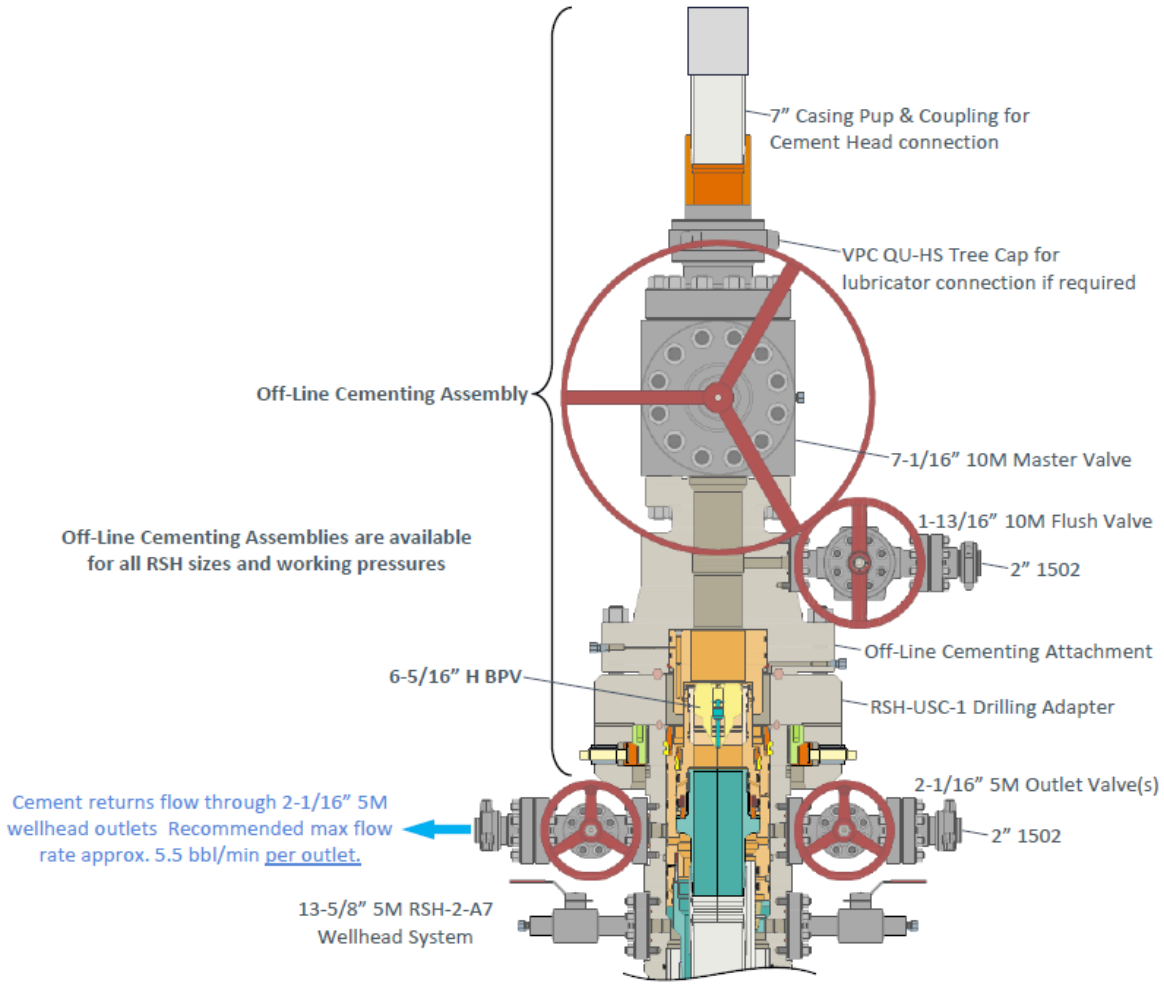


Figure 7. Vault 7" 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 7" pup joint and casing.

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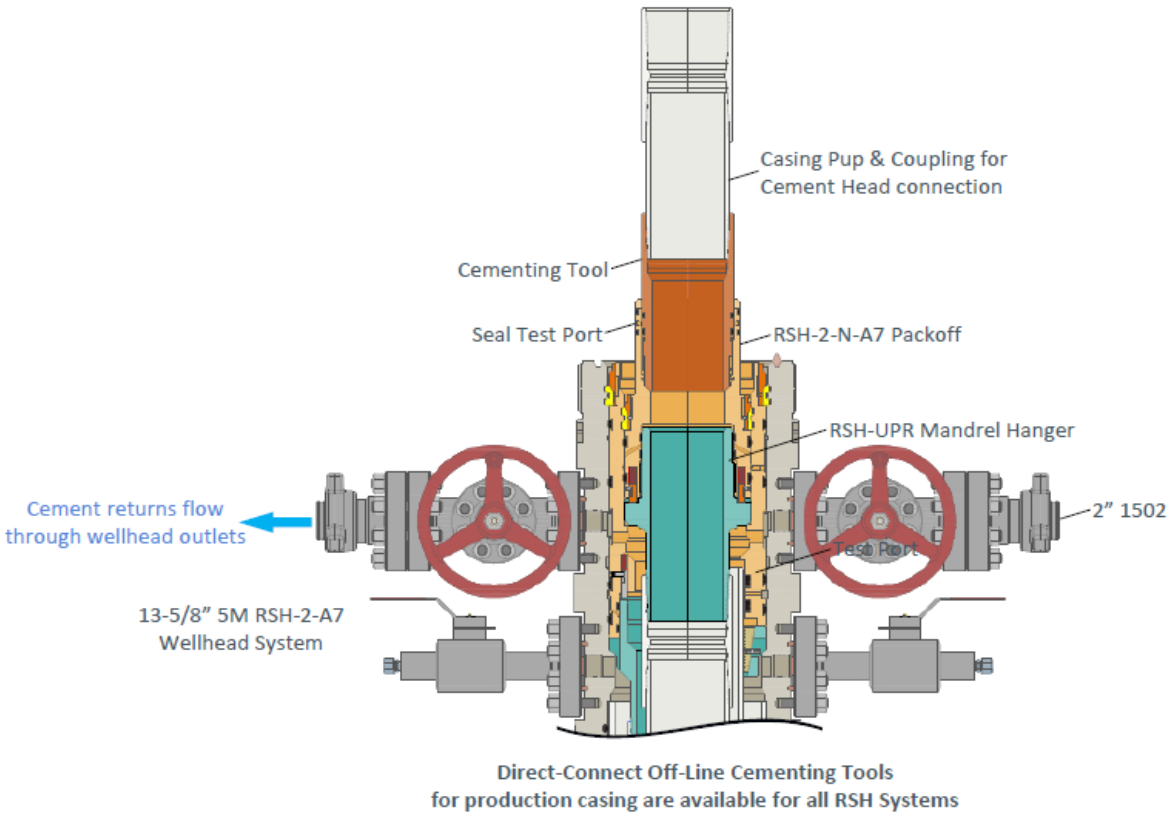


Figure 8. Vault 7" 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 7" pup joint and casing.

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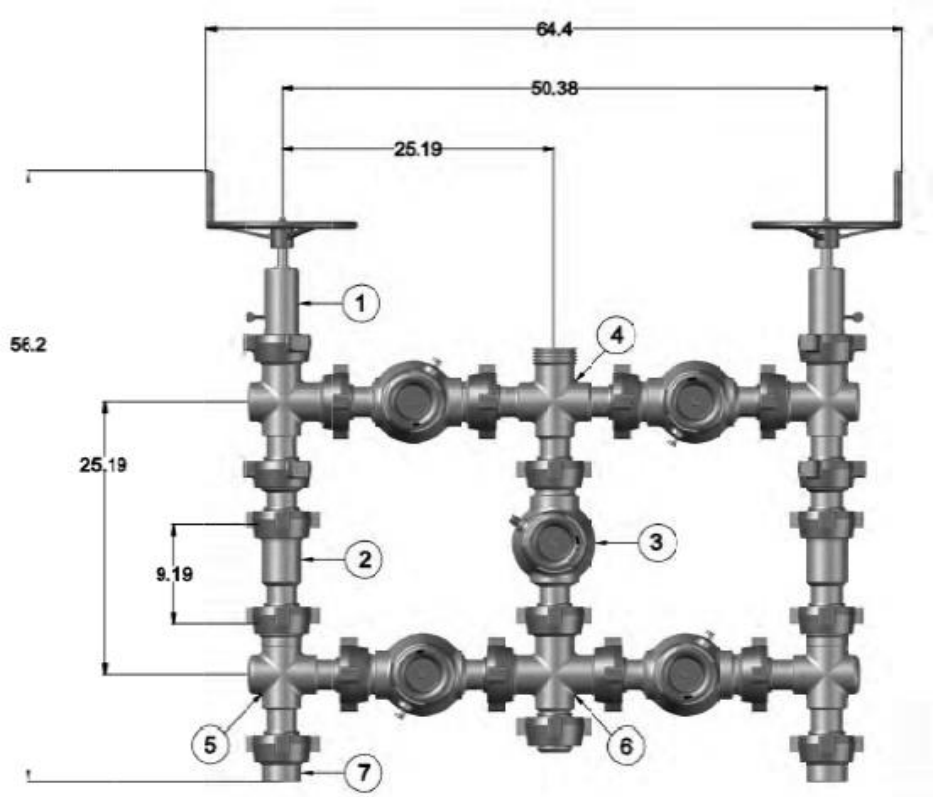


Figure 9. Five valve 15k choke manifold.

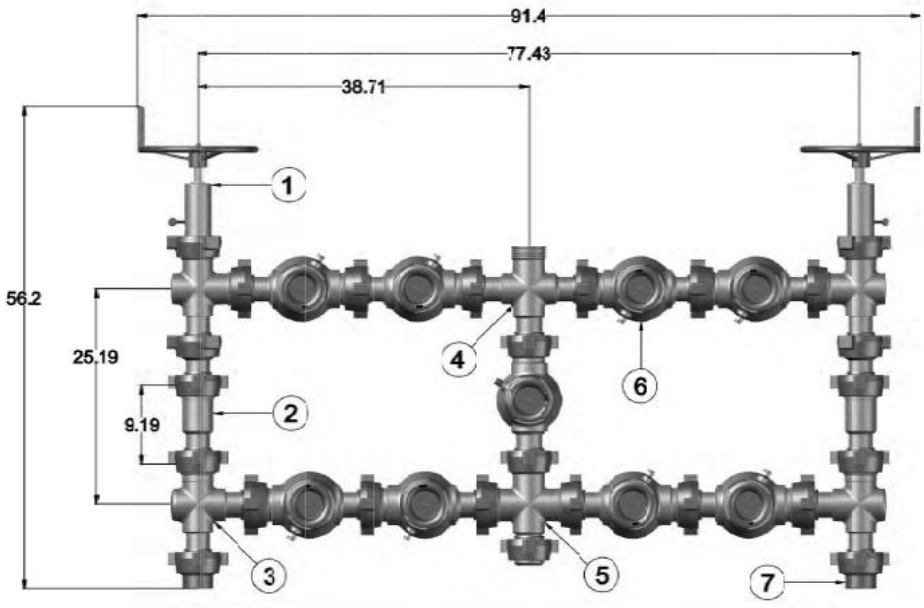


Figure 10. Nine valve 15k choke manifold.

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

SUPO Data Report
08/10/2026

APD ID: 10400110100
Submission Date: 02/16/2026
Operator Name: MEWBOURNE OIL COMPANY
Well Name: RUNWAY 26/30 FED COM
Well Number: 828H
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:

Existing_Road_Map_20260206090601.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:

New_Road_Map_20260206090613.pdf

New road type: RESOURCE

Length: 395.93 Feet **Width (ft.):** 20

Max slope (%): 3 **Max grade (%):** 3

Army Corp of Engineers (ACOE) permit required? N

ACOE Permit Number(s):

New road travel width: 13

New road access erosion control: N/A

New road access plan or profile prepared? N

New road access plan

Operator Name: MEWBOURNE OIL COMPANY

Well Name: RUNWAY 26/30 FED COM **Well Number:** 828H

Access road engineering design? N

Access road engineering design

Turnout? N

Access surfacing type: GRAVEL

Access topsoil source: OFFSITE

Access surfacing type description:

Access onsite topsoil source depth:

Offsite topsoil source description: N/A

Onsite topsoil removal process:

Access other construction information: N/

Access miscellaneous information: N/A

Number of access turnouts:

Access turnout map:

Drainage Control

New road drainage crossing: OTHER

Other Description: N/A

Drainage Control comments: N/A

Road Drainage Control Structures (DCS) description: N/A

Road Drainage Control Structures (DCS) attachment:

Access Additional Attachments

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Existing Well map Attachment:

Existing_Well_Map_20260206090704.pdf

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

Submit or defer a Proposed Production Facilities plan? SUBMIT

Production Facilities description: Production on site is to the west of the well pad.

Production Facilities map:

Production_Facility_Map_20260206090721.pdf

Operator Name: MEWBOURNE OIL COMPANY

Well Name: RUNWAY 26/30 FED COM **Well Number:** 828H

Section 5 - Location and Types of Water Supply

Water Source Table

Water source type: IRRIGATION

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

Source latitude: 32.423752 **Source longitude:** -103.655604

Source datum: NAD83

City:

Water source permit type: WATER WELL

Water source transport method: TRUCKING

Source land ownership: FEDERAL

Source transportation land ownership: FEDERAL

Water source volume (barrels): 3240 **Source volume (acre-feet):** 0.41761363

Source volume (gal): 136080

Water source type: IRRIGATION

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

Source latitude: 32.30893 **Source longitude:** -103.89153

Source datum: NAD83

City:

Water source permit type: WATER WELL

Water source transport method: TRUCKING

Source land ownership: PRIVATE

Operator Name: MEWBOURNE OIL COMPANY

Well Name: RUNWAY 26/30 FED COM **Well Number:** 828H

Source transportation land ownership: FEDERAL

Water source volume (barrels): 3240 **Source volume (acre-feet):** 0.41761363

Water source and transportation

Water_Source_Trans_Map_20260206090731.pdf

Water source comments: LAT: 32.331537 LONG: -104.200792

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: SEC 22 2S 26E LAT: 32.376107 LONG: -104.281139

Construction Materials source location

Caliche_Source_Trans_Map_20260206090832.pdf

Operator Name: MEWBOURNE OIL COMPANY

Well Name: RUNWAY 26/30 FED COM **Well Number:** 828H

Section 7 - Methods for Handling

Waste type: SEWAGE

Waste content description: Human waste & Grey water

Amount of waste: 1500 gallons

Waste disposal frequency : Weekly

Safe containment description: 2000 gallon plastic container

Safe containmant attachment:

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: 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, NM

Waste type: DRILLING

Waste content description: Drill Cuttings

Amount of waste: 3240 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 disposal locations are CRI or Lea Land, both facilities are located on HWY 62/180, Sec 27 T20S R32E.

Reserve Pit

Reserve Pit being used? NO

Operator Name: MEWBOURNE OIL COMPANY

Well Name: RUNWAY 26/30 FED COM **Well Number:** 828H

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

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?

Cuttings area liner

Cuttings area liner specifications and installation description

Section 8 - Ancillary

Are you requesting any Ancillary Facilities?: N

Ancillary Facilities

Comments:

Section 9 - Well Site

Well Site Layout Diagram:

Well_Site_Layout_20260206090843.pdf

Comments: None

Operator Name: MEWBOURNE OIL COMPANY

Well Name: RUNWAY 26/30 FED COM **Well Number:** 828H

Section 10 - Plans for Surface

Type of disturbance: New Surface Disturbance

Multiple Well Pad Name: RUNWAY 521 523 525 527 711 713 715 717 822 824 826
Multiple Well Pad Number: 12

Recontouring

Interim_Reclamation_Map_20260206091238.pdf

Drainage/Erosion control construction: None

Drainage/Erosion control reclamation: None

Well pad proposed disturbance (acres): 4.59
Well pad interim reclamation (acres): 1.16
Well pad long term disturbance (acres): 3.43
Road proposed disturbance (acres): 0.06
Road interim reclamation (acres): 0
Road long term disturbance (acres): 0
Powerline proposed disturbance (acres): 0
Powerline interim reclamation (acres): 0
Powerline long term disturbance (acres): 0
Pipeline proposed disturbance (acres): 1.3
Pipeline interim reclamation (acres): 0
Pipeline long term disturbance (acres): 0
Other proposed disturbance (acres): 0
Other interim reclamation (acres): 0
Other long term disturbance (acres): 0

Total proposed disturbance: 5.949999999999999
Total interim reclamation: 1.16
Total long term disturbance: 3.43

Disturbance Comments:

Reconstruction method: The area planned for interim reclamation will be recontured to the original contour if feasible. 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 ration.

Topsoil redistribution: Topsoil will be evenly re-spread and aggressively revegetated over the entire disturbed area not needed for all weather operations including cuts & fills. To seed the area, 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

Existing Vegetation Community at the road: Various brush & grasses

Existing Vegetation Community at the road

Existing Vegetation Community at the pipeline: Various brush & grasses

Existing Vegetation Community at the pipeline

Existing Vegetation Community at other disturbances: Various brush & grasses

Existing Vegetation Community at other disturbances

Operator Name: MEWBOURNE OIL COMPANY

Well Name: RUNWAY 26/30 FED COM **Well Number:** 828H

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

Seed harvest description:

Seed harvest description attachment:

Seed

Seed Table

Seed Summary

Total pounds/Acre:

Seed Type	Pounds/Acre

Seed reclamation

Operator Contact/Responsible Official

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 of broadcasting over entire reclaimed area.

Existing invasive species? N

Existing invasive species treatment description:

Existing invasive species treatment

Weed treatment plan description: NA

Weed treatment plan

Monitoring plan description: All reclaimed area will be monitored periodically to ensure that revegetation occurs, that eh area is not redisturbed and that eriosion and noxious weeds are controlled.
Monitoring plan

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

Operator Name: MEWBOURNE OIL COMPANY

Well Name: RUNWAY 26/30 FED COM **Well Number:** 828H

Pit closure description: NA

Pit closure attachment:

Section 11 - Surface

Disturbance type: WELL PAD

Describe:

Surface Owner: STATE GOVERNMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office: NM

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

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

Disturbance type: OTHER

Describe: Production Facility

Surface Owner: STATE GOVERNMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office: NM

Military Local Office:

Operator Name: MEWBOURNE OIL COMPANY

Well Name: RUNWAY 26/30 FED COM **Well Number:** 828H

USFWS Local Office:

Other Local Office:

USFS Region:

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

Section 12 - Other

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

ROW Type(s):

ROW

SUPO Additional Information: None

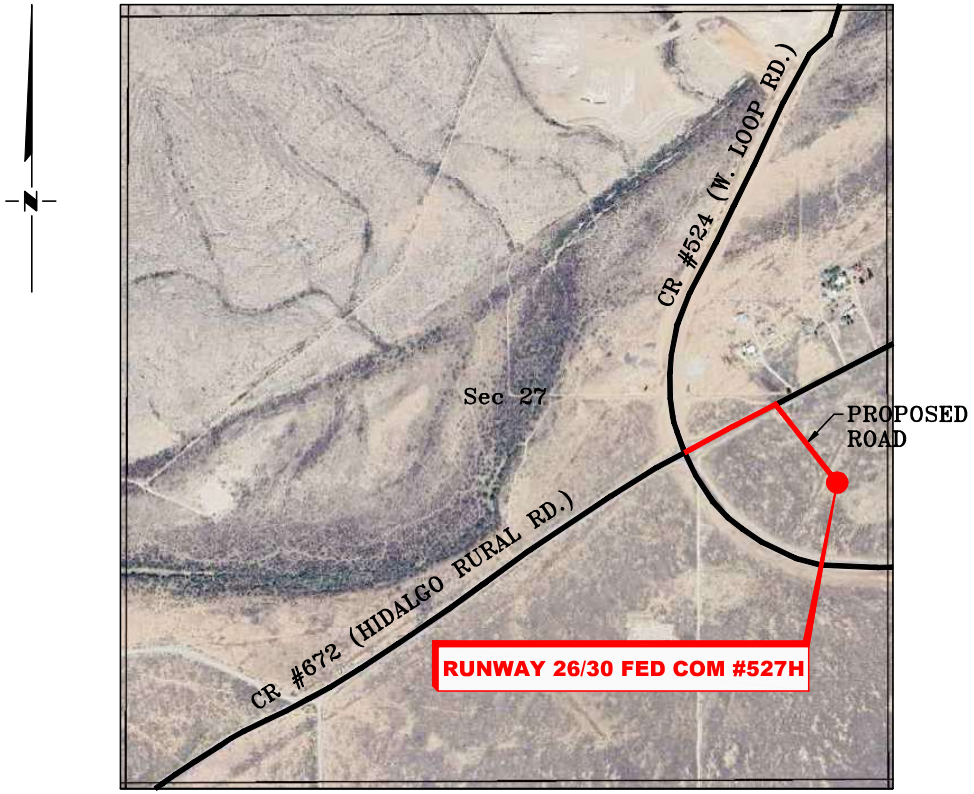
Use a previously conducted onsite? Y

Previous Onsite information: Met w/RRC Surveying & re-staked location due to land issues @ 1820' FSL & 245' FEL, Sec 27, T22S, R26E, Eddy Co., NM. (Elevation @ 3228'). Pad is 500' x 600'. A 350' x 400' battery is staked adjacent to the west. Location is on State surface. Does not require BLM onsite. May require additional arch review. Lat: 32.3610689 N, Long: -104.2732505 W NAD 83. (BPS)

Other SUPO

VICINITY MAP

NOT TO SCALE



SECTION 27, TWP. 22 SOUTH, RGE. 26 EAST,
N. M. P. M., EDDY CO., NEW MEXICO

OPERATOR: Mewbourne Oil Company
LEASE: Runway 26/30 Fed Com
WELL NO.: 527H

LOCATION: 1820' FSL & 225' FEL
ELEVATION: 3229'

NO.	REVISION	DATE
4	NAME CHANGE	01/19/26
3	SL MOVE	03/07/25
2	RESTAKE	01/26/25

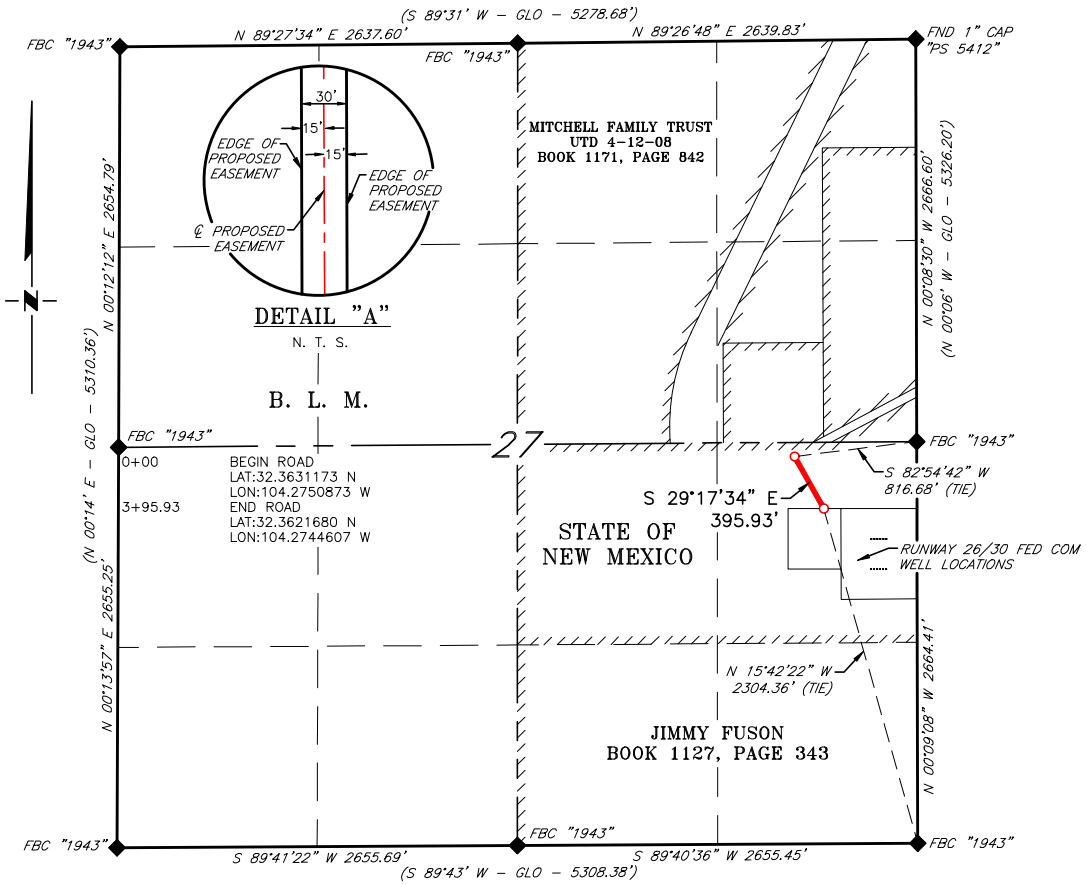
JOB NO.: LS24060576D2
DWG. NO.: 24060576D2-4

RRC ENERGY SERVICES, LLC.
701 S. CECIL ST., HOBBS, NM 88240 (575) 964-8200

SCALE: N. T. S.
DATE: 06/25/2024
SURVEYED BY: ML/JH
DRAWN BY: AR
APPROVED BY: RMH
SHEET: 1 OF 1

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MEWBOURNE OIL COMPANY
ACCESS ROAD FOR THE RUNWAY 26/30 FED COM WELL LOCATIONS
SECTION 27, T22S, R26E
N. M. P. M., EDDY COUNTY, NEW MEXICO



DESCRIPTION

A strip of land 30 feet wide, being 395.93 feet or 23.996 rods in length, lying in Section 27, Township 22 South, Range 26 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 State of New Mexico land:

BEGINNING at Engr. Sta. 0+00, a point in the Southeast quarter of Section 27, which bears, S 82°54'42" W, 816.68 feet from a brass cap, stamped "1943", found for the East quarter corner of Section 27;

Thence S 29°17'34" E, 395.93 feet, to Engr. Sta. 3+95.93, the End of Survey, a point in the Southeast quarter of Section 27, which bears, N 15°42'22" W, 2,304.36 feet from a brass cap, stamped "1943", found for the Southeast corner of Section 27.

Said strip of land contains 0.273 acres, more or less, and is allocated by forties as follows:

NE 1/4 SE 1/4	395.93 Feet	23.996 Rods	0.273 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 03/11/25 PROFESSIONAL SURVEYOR

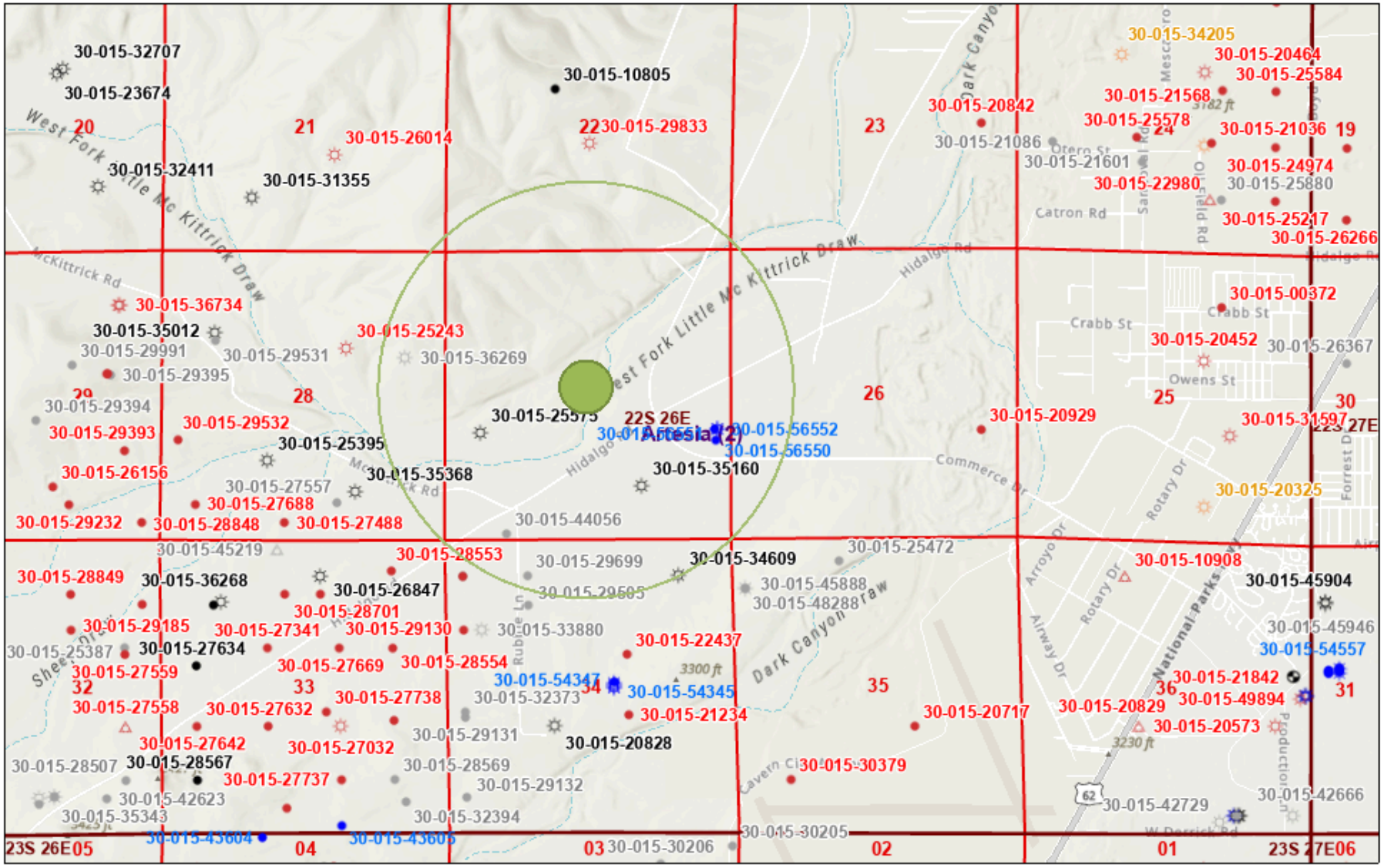
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1	REROUTE	9/6/24
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DWG. NO.: 23121137R2-7		

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DATE:	12/19/2023
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DRAWN BY:	AR
APPROVED BY:	RMH
SHEET:	1 OF 1

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OCD Well Locations



2/5/2026, 10:27:30 AM

Areas
Override 1
Override 2
Wells - Large Scale
Miscellaneous

Gas, Active
Gas, Cancelled
Gas, New
Gas, Plugged
Gas, Temporarily Abandoned
Oil, Active
Oil, Cancelled
Oil, New
Oil, Plugged
Salt Water Injection, Cancelled
Salt Water Injection, Plugged
Water, Plugged

OCD Districts
PLSS First Division
PLSS Townships

1:36,112

0 0.25 0.5 1 mi
0 0.4 0.8 1.6 km

Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

New Mexico Oil Conservation Division

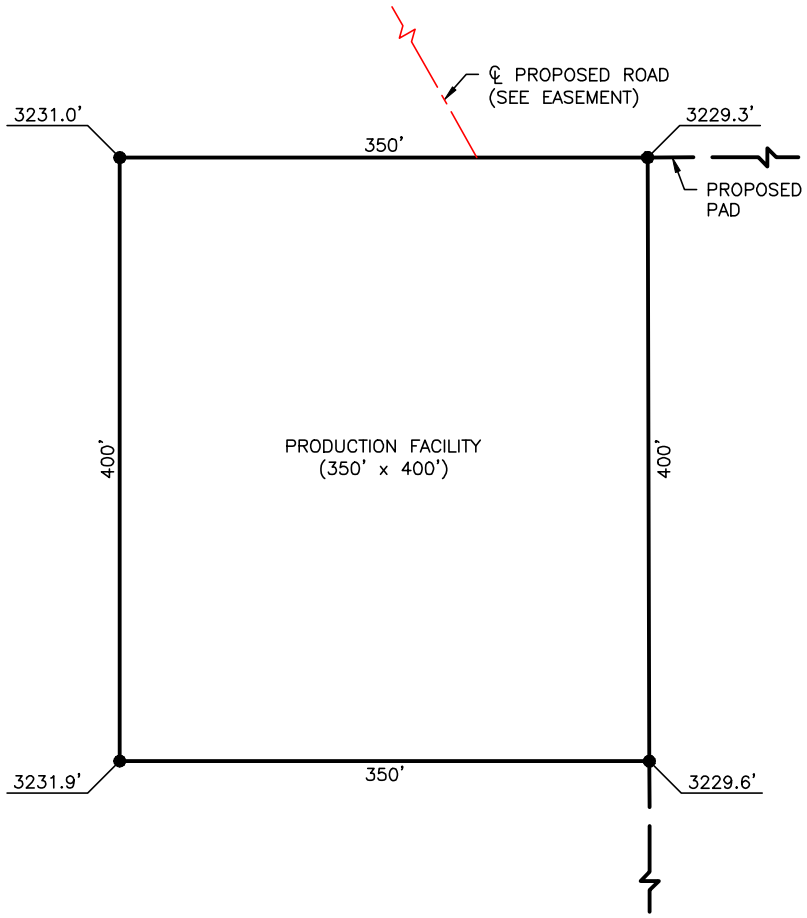
NM OCD Oil and Gas Map. http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75: New Mexico Oil Conservation Division

MEWBOURNE OIL COMPANY

RUNWAY 26/30 FED COM PRODUCTION FACILITY

SECTION 27, T22S, R26E

N. M. P. M., EDDY COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

From the intersection of CR #524 (W. Loop Rd.) & CR #672 (Hidalgo Rural Rd.);

Go Northeast on CR #672 approx. 0.1 miles to a proposed road on the right;

Turn right and go Southeast approx. 0.2 miles to location on the right.

THIS IS NOT A BOUNDARY SURVEY, APPARENT PROPERTY CORNERS AND PROPERTY LINES ARE SHOWN FOR INFORMATION ONLY.

SCALE: 1" = 100'
0 50' 100'

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 NM PS 19680

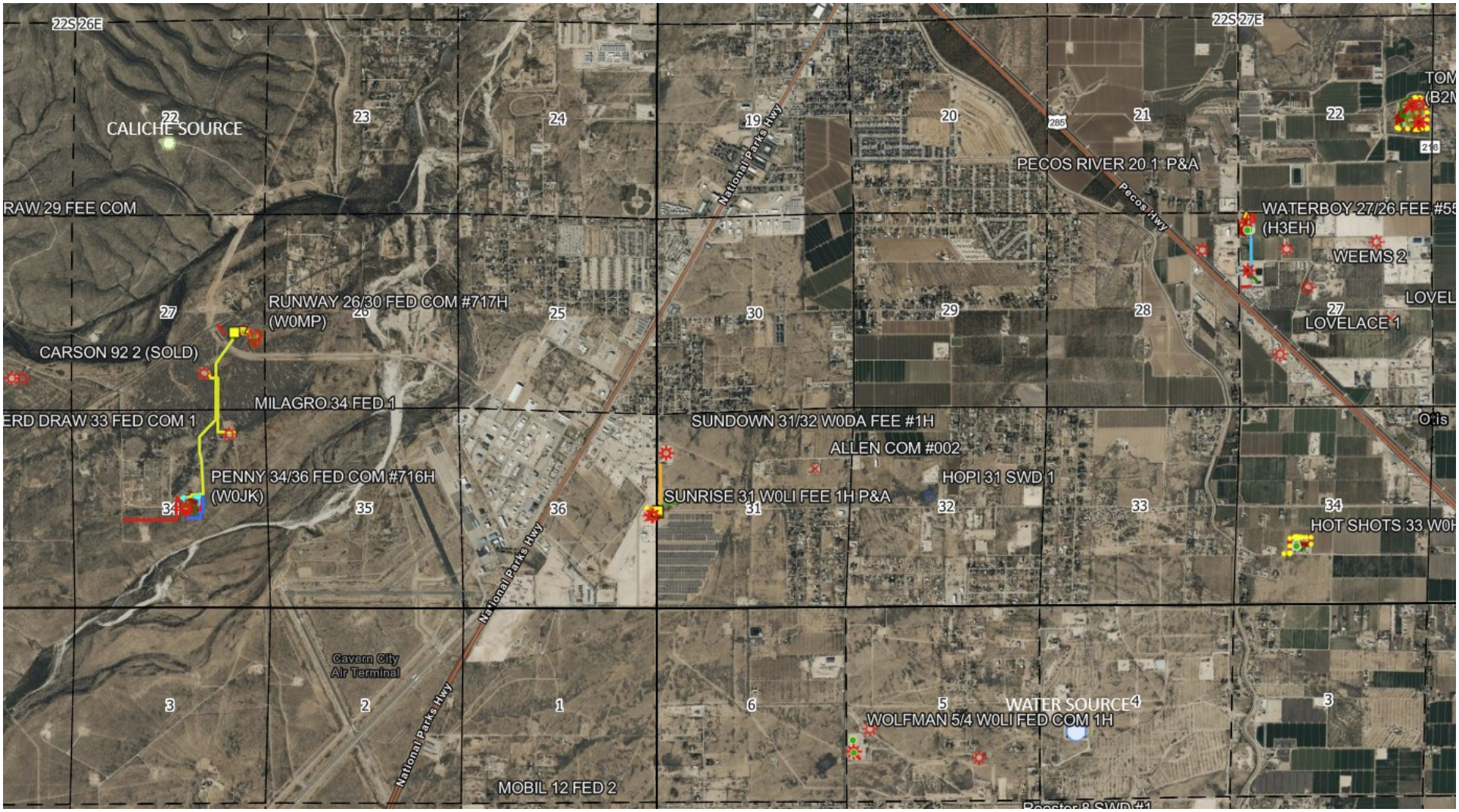
ROBERT M. HOWETT NEW MEXICO 19680 03/26/25 PROFESSIONAL SURVEYOR

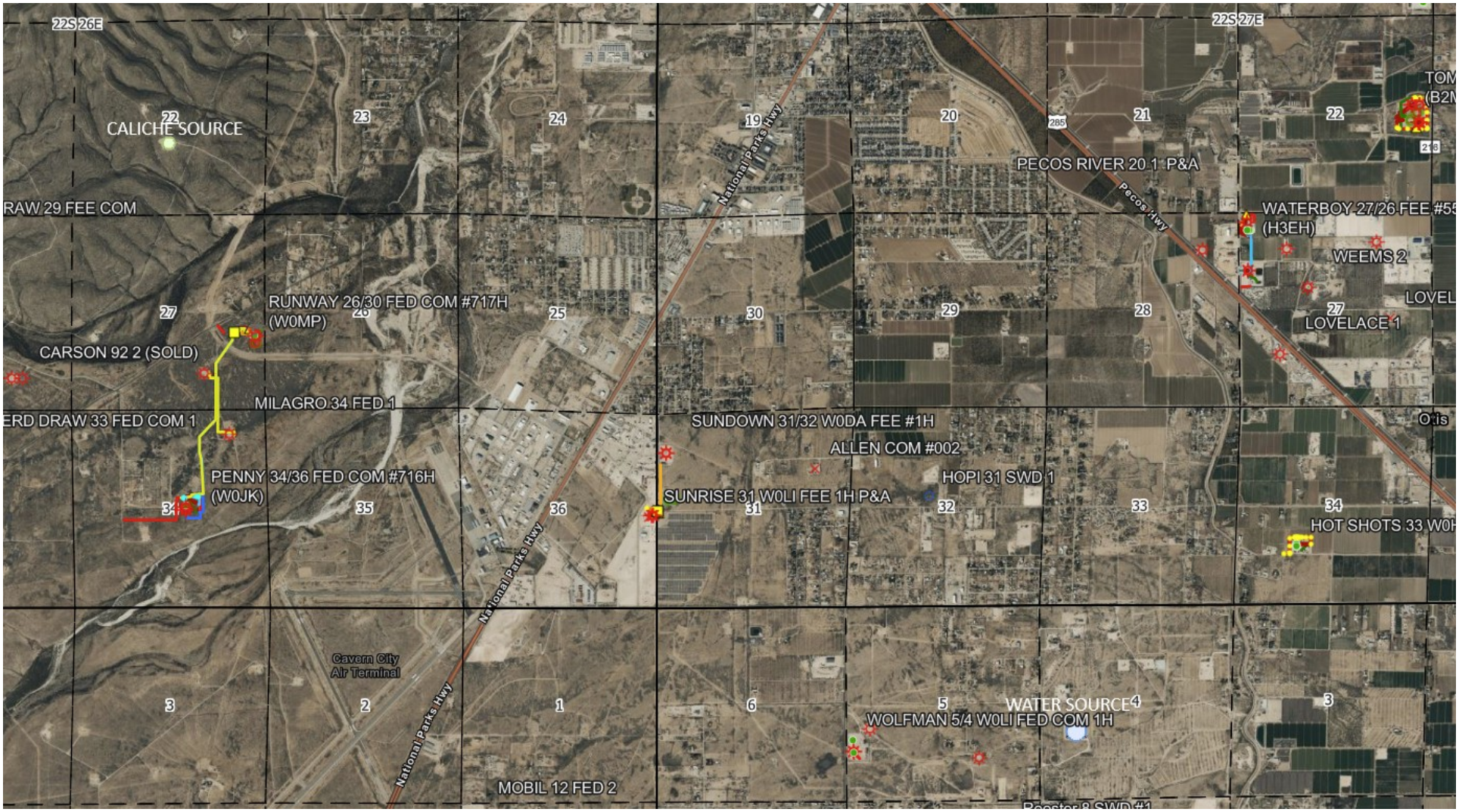
NO.	REVISION	DATE
3	SL MOVE	3/07/25
2	RESTAKE	1/26/25
1	RESTAKE	12/19/24
JOB NO.: LS24060571R3		
DWG. NO.: 24060571R3–6		

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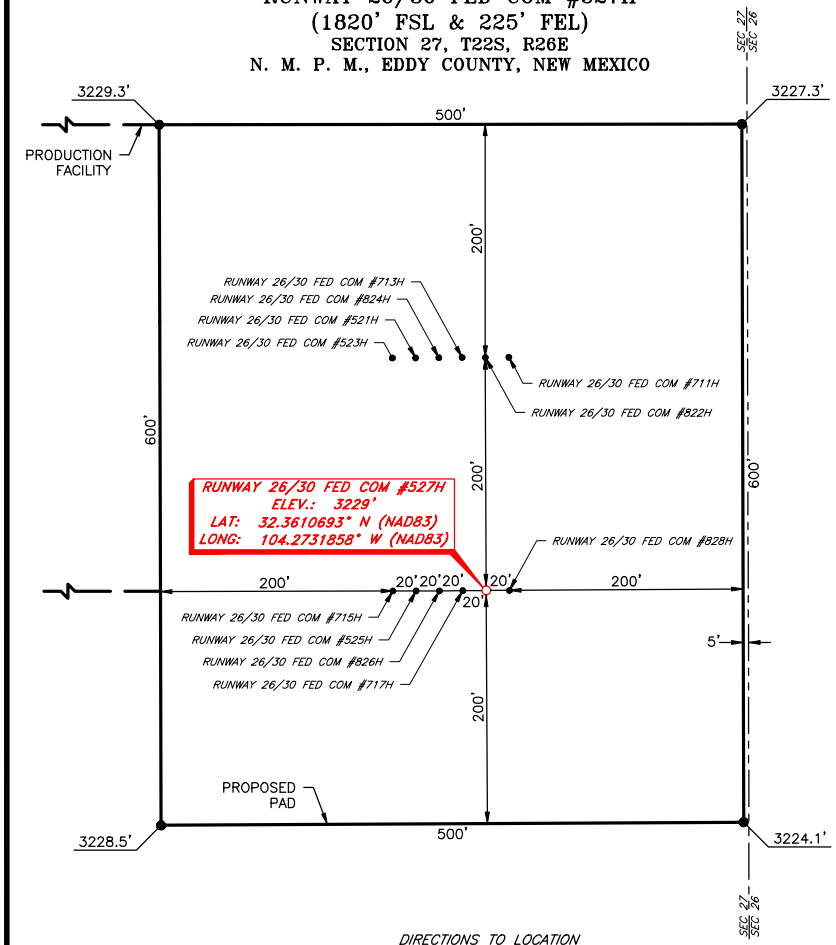
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SHEET: 1 OF 1

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22S 26E
22S 27E
CALICHE SOURCE
RAW 29 FEE COM
RUNWAY 26/30 FED COM #717H
(W0MP)
CARSON 92 2 (SOLD)
MILAGRO 34 FED 1
ERD DRAW 33 FED COM 1
PENNY 34/36 FED COM #716H
(W0JK)
National Parks Hwy
PECOS RIVER 20 1 P&A
Pecos Hwy
WATERBOY 27/26 FEE #55
(H3EH)
WEEMS 2
LOVELACE 1
SUNDOWN 31/32 W0DA FEE #1H
ALLEN COM #002
HOPI 31 SWD 1
SUNRISE 31 W0LI FEE 1H P&A
HOT SHOTS 33 W0H
Cavern City
Air Terminal
WATER SOURCE
WOLFMAN 5/4 W0LI FED COM 1H
MOBIL 12 FED 2


22S 26E
22S 27E
CALICHE SOURCE
RAW 29 FEE COM
RUNWAY 26/30 FED COM #717H
(W0MP)
CARSON 92 2 (SOLD)
MILAGRO 34 FED 1
ERD DRAW 33 FED COM 1
PENNY 34/36 FED COM #716H
(W0JK)
National Parks Hwy
PECOS RIVER 20 1 P&A
Pecos Hwy
WATERBOY 27/26 FEE #55
(H3EH)
WEEMS 2
LOVELACE 1
SUNDOWN 31/32 W0DA FEE #1H
ALLEN COM #002
HOPI 31 SWD 1
SUNRISE 31 W0LI FEE 1H P&A
HOT SHOTS 33 W0H
Cavern City
Air Terminal
WATER SOURCE
WOLFMAN 5/4 W0LI FED COM 1H
MOBIL 12 FED 2

MEWBOURNE OIL COMPANY
RUNWAY 26/30 FED COM #527H
(1820' FSL & 225' FEL)
SECTION 27, T22S, R26E
N. M. P. M., EDDY COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

From the intersection of CR #524 (W. Loop Rd.) & CR #672 (Hidalgo Rural Rd.);

Go Northeast on CR #672 approx. 0.1 miles to a proposed road on the right;

Turn right and go Southeast approx. 0.2 miles to location on the left.

SCALE: 1" = 100'
0 50' 100'

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

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Robert M. Howett NM PS 19680

ROBERT M. HOWETT NEW MEXICO 19680 03/26/25 PROFESSIONAL SURVEYOR

NO.	REVISION	DATE
4	NAME CHANGE	01/19/26
3	SL MOVE	03/07/25
2	RESTAKE	01/26/25

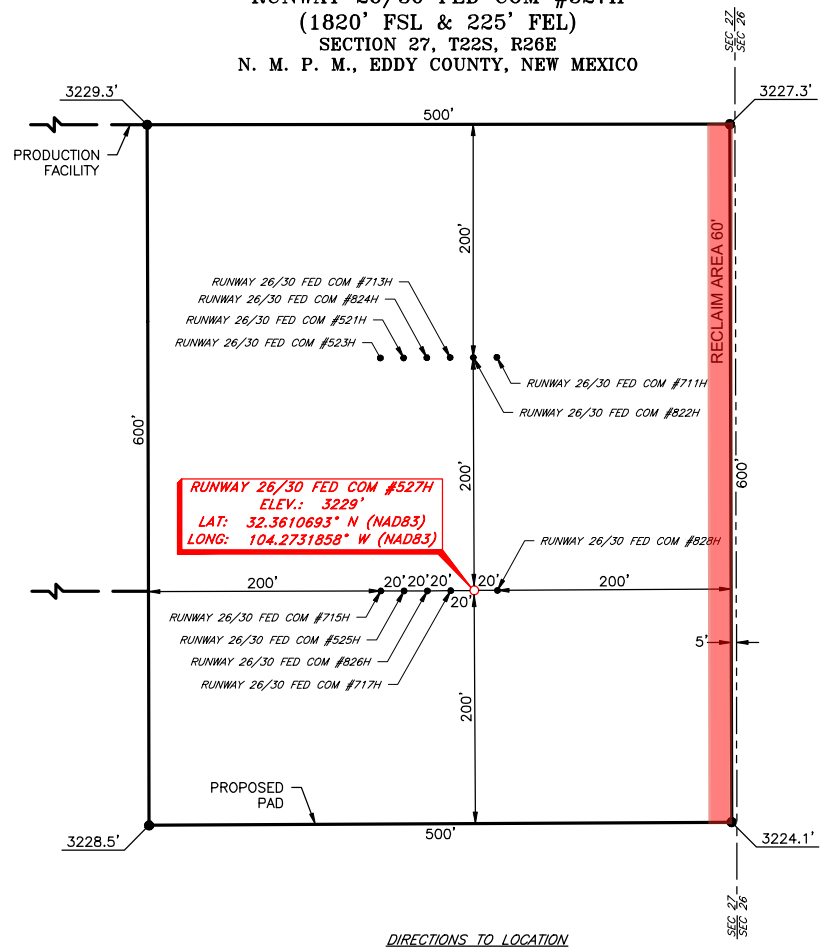
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DWG. NO.: 24060576D2-5

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

SCALE: 1" = 100'
DATE: 06/25/2024
SURVEYED BY: ML/JH
DRAWN BY: AR
APPROVED BY: RMH
SHEET: 1 OF 1

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MEWBOURNE OIL COMPANY
RUNWAY 26/30 FED COM #527H
(1820' FSL & 225' FEL)
SECTION 27, T22S, R26E
N. M. P. M., EDDY COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

From the intersection of CR #524 (W. Loop Rd.) & CR #672 (Hidalgo Rural Rd.);

Go Northeast on CR #672 approx. 0.1 miles to a proposed road on the right;

Turn right and go Southeast approx. 0.2 miles to location on the left.

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Robert M. Howett

Robert M. Howett NM PS 19680

ROBERT M. HOWETT NEW MEXICO 19680 03/26/25 PROFESSIONAL SURVEYOR

NO.	REVISION	DATE
4	NAME CHANGE	01/19/26
3	SL MOVE	03/07/25
2	RESTAKE	01/26/25

JOB NO.: LS24060576D2
DWG. NO.: 24060576D2-5

RRC ENERGY SERVICES, LLC.
701 S. CECIL ST., HOBBS, NM 88240 (575) 964-8200

SCALE: 1" = 100'
DATE: 06/25/2024
SURVEYED BY: ML/JH
DRAWN BY: AR
APPROVED BY: RMH
SHEET: 1 OF 1

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AFMSS

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

PWD Data Report

08/10/2026

APD ID: 10400110100 **Submission Date:** 02/16/2026

Operator Name: MEWBOURNE OIL COMPANY

Well Name: RUNWAY 26/30 FED COM **Well Number:** 828H

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

Would you like to utilize Lined Pit PWD options? N

Produced Water Disposal (PWD) Location:

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

Other PWD Surface Owner Description:

Lined pit PWD on or off channel:

Lined pit PWD discharge volume (bbl/day):

Lined pit

Pit liner description:

Pit liner manufacturers

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal

Lined pit precipitated solids disposal schedule:

Lined pit precipitated solids disposal schedule

Lined pit reclamation description:

Lined pit reclamation

Leak detection system description:

Leak detection system

Operator Name: MEWBOURNE OIL COMPANY

Well Name: RUNWAY 26/30 FED COM **Well Number:** 828H

Lined pit Monitor description:

Lined pit Monitor

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

Section 3 - Unlined

Would you like to utilize Unlined Pit PWD options? N

Produced Water Disposal (PWD) Location:

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

Other PWD Surface Owner Description:

Unlined pit PWD on or off channel:

Unlined pit PWD discharge volume (bbl/day):

Unlined pit

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal

Unlined pit precipitated solids disposal schedule:

Unlined pit precipitated solids disposal schedule

Unlined pit reclamation description:

Unlined pit reclamation

Unlined pit Monitor description:

Unlined pit Monitor

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

Beneficial use user

Estimated depth of the shallowest aquifer (feet):

Precipitated Solids Permit

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

Operator Name: MEWBOURNE OIL COMPANY

Well Name: RUNWAY 26/30 FED COM **Well Number:** 828H

State

Unlined Produced Water Pit Estimated

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

Is the reclamation bond a rider under the BLM bond?

Unlined pit bond number:

Unlined pit bond amount:

Additional bond information

Section 4 -

Would you like to utilize Injection PWD options? N

Produced Water Disposal (PWD) Location:

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

Other PWD Surface Owner Description:

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

Underground Injection Control (UIC) Permit?

UIC Permit

Section 5 - Surface

Would you like to utilize Surface Discharge PWD options? N

Produced Water Disposal (PWD) Location:

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

Other PWD Surface Owner Description :

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:

Operator Name: MEWBOURNE OIL COMPANY

Well Name: RUNWAY 26/30 FED COM **Well Number:** 828H

Section 6 -

Would you like to utilize Other PWD options? N

Produced Water Disposal (PWD) Location:

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

PWD Surface Owner Description:

Other PWD discharge volume (bbl/day):

Other PWD type description:

Other PWD type

Have other regulatory requirements been met?

Other regulatory requirements

AFMSS

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

Bond Info Data

08/10/2026

APD ID: 10400110100

Submission Date: 02/16/2026

Operator Name: MEWBOURNE OIL COMPANY

Well Name: RUNWAY 26/30 FED COM

Well Number: 828H

Well Type: CONVENTIONAL GAS WELL

Well Work Type: Drill

Highlighted data reflects the most recent changes

Show Final Text

Bond

Federal/Indian APD: FED

BLM Bond number: NMB106714150

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 amount:

Reclamation bond rider amount:

Additional reclamation bond information attachment:

Form 3160-5
(October 2024)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0220
Expires: October 31, 2027

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No. MULTIPLE

6. If Indian, Allottee or Tribe Name MULTIPLE

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

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

8. Well Name and No. MULTIPLE

2. Name of Operator MEWBOURNE OIL COMPANY

9. API Well No. MULTIPLE

3a. Address P O BOX 5270, HOBBS, NM 88241

3b. Phone No. *(include area code)* (575) 393-5905

10. Field and Pool or Exploratory Area MULTIPLE

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

11. Country or Parish, State MULTIPLE

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

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

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

Mewbourne Oil Company requests approval to make the following change to the approved APDs:|

Runway 26/30 Fed Com #717H - 10400110099
Runway 26/30 Fed Com #828H - 10400110100

Change CA referenced in APD from NMNM 106780418 to NMNM 106780410

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)* ANDY TAYLOR / Ph: (575) 393-5905

Title Engineer

Signature (Electronic Submission)

Date 08/10/2026

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by PAMELLA HERNANDEZ / Ph: (575) 234-5954 / Approved

Title LIE

Date 08/11/2026

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office CARLSBAD

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.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.
AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.
PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.
ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.
EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.
Response to this request is mandatory.
The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect ofthis form to U.S. Department ofthe Interior, Bureau ofLand Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Batch Well Data

RUNWAY 26/30 FED COM 717H, US Well Number: null, Case Number: NMNM106780410, Lease Number: NMNM98152, Operator:MEWBOURNE OIL COMPANY

RUNWAY 26/30 FED COM 828H, US Well Number: null, Case Number: NMNM106780410, Lease Number: NMNM98152, Operator:MEWBOURNE OIL COMPANY

CONFIDENTIAL

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

ACKNOWLEDGMENTS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88240	OGRID: 14744
	Action Number: 613794
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

ACKNOWLEDGMENTS

☑	I hereby certify that no additives containing PFAS chemicals will be added to the completion or recompletion of this well.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Operator:	OGRID:
MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88240	14744
	Action Number: 613794
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
mleal	Cement is required to circulate on both surface and intermediate1 strings of casing.	8/12/2026
mleal	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.	8/12/2026
ward.rikala	Notify the OCD 24 hours prior to casing & cement.	8/25/2026
ward.rikala	File As Drilled C-102 and a directional Survey with C-104 completion packet.	8/25/2026
ward.rikala	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.	8/25/2026
ward.rikala	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.	8/25/2026
ward.rikala	If the method of isolation was not by circulation, a CBL must be performed; if strata isolation is not achieved, then remediation will be required before further operations.	8/25/2026
ward.rikala	Well is proximal to the Carlsbad Brine well-need to get a permit from the City of Carlsbad prior to drilling this well.	8/25/2026