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

Sundry Print Report

07/23/2025

Well Name: FULL TILT 18/7 FED

Well Location: T26S / R30E / SEC 18 / TR O / 32.036816 / -103.916625

County or Parish/State: EDDY / NM

Well Number: 527H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM31649

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001553484

Operator: MEWBOURNE OIL COMPANY

Notice of Intent

Sundry ID: 2857627

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 06/11/2025

Time Sundry Submitted: 03:52

Date proposed operation will begin: 06/12/2025

Procedure Description: Mewbourne Oil Company request that the following change be made to the Full Tilt 18/7 Fed #527H (API #30-015-53484): 1. Change SHL f/ 590’ FSL & 1422’ FEL, Sec 18, T26S R30E, Eddy Co., NM to 280’ FSL & 1405’ FEL, Sec 18, T26S R30E, Eddy Co., NM. 2. Change BHL f/ 2560’ FSL & 1484’ FEL, Sec 7, T26S R30E, Eddy Co., NM to 2560’ FSL & 750’ FEL, Sec 7, T26S R30E, Eddy Co., NM 3. Change pool name and code f/ WC-015 G-03S262925D; BONE SPRING [98211] to CORRAL CANYON; BONE SPRING [13354] 4. Adjust casing, cement, directional plan, and drilling program as detailed in respective attachments. Attached is updated C102, CsgAssumptions, Dir Plan, Dir Plot, Drilling Program.

NOI Attachments

Procedure Description

Full_Tilt_18_7_Fed_527H_CsgAssumptions_20250612094310.pdf

Full_Tilt_18_7_Fed_527H_Drlg_Program_20250612094310.pdf

FULL_TILT_18_7_FED__527H_C102_20250611155239.pdf

Full_Tilt_18_7_Fed_527H_MOC_Dir_Plot_20250611155221.pdf

Full_Tilt_18_7_Fed_527H_MOC_Dir_Plan_20250611155221.pdf

Full_Tilt_18_7_Fed__527H_Csg_Pool_Acreage_Wellbore_Sundry_20250611155221.pdf

7in_29__HPP110_LTC_Csg_20250611155148.pdf

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County or Parish/State: EDDY / NM

Well Number: 527H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM31649

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001553484

Operator: MEWBOURNE OIL COMPANY

4.5in_13.5__P110_LTC_Csg_20250611155148.pdf

9.625in_36__J55_LTC_Csg_20250611155148.pdf

13.375in_48__H40_STC_Csg_20250611155148.pdf

Conditions of Approval

Additional

FULL_TILT_18_7_FED_527H_Sundry_2857627_COA_20250710112258.pdf

Operator

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

Operator Electronic Signature: JOHN SMITH

Signed on: JUN 12, 2025 09:43 AM

Name: MEWBOURNE OIL COMPANY

Title: Engineer

Street Address: 419 W TAOS ST

City: HOBBS **State:** NM

Phone: (580) 574-3048

Email address: JOHN.SMITH@MEWBOURNE.COM

Field

Representative Name:

Street Address:

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

Phone:

Email address:

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752342234

BLM POC Email Address: cwalls@blm.gov

Disposition: Approved

Disposition Date: 07/22/2025

Signature: Chris Walls

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

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.

6. If Indian, Allottee or Tribe Name

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

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

8. Well Name and No.

2. Name of Operator

9. API Well No.

3a. Address

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

10. Field and Pool or Exploratory Area

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

11. Country or Parish, State

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
	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ 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.)

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by

Title

Date

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

Office

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(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

Location of Well

0. SHL: TR O / 590 FSL / 1422 FEL / TWSP: 26S / RANGE: 30E / SECTION: 18 / LAT: 32.036816 / LONG: -103.916625 (TVD: 0 feet, MD: 0 feet)

PPP: TR O / 100 FSL / 1484 FEL / TWSP: 26S / RANGE: 30E / SECTION: 18 / LAT: 32.035468 / LONG: -103.916828 (TVD: 7323 feet, MD: 7365 feet)

BHL: TR J / 2560 FSL / 1484 FEL / TWSP: 26S / RANGE: 30E / SECTION: 7 / LAT: 32.05684 / LONG: -103.916797 (TVD: 7588 feet, MD: 15241 feet)

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	MEWBOURNE OIL COMPANY
WELL NAME & NO.:	FULL TILT 18/7 FED 527H
APD ID:	10400063512
LOCATION:	Section 18, T.26 S., R.30 E. 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 Min. Plan	◉ APD Submitted prior to 06/10/2024	
Additional Language	☑ Flex Hose ☐ Four-String	☐ Casing Clearance ☐ Offline Cementing	☐ Pilot Hole ☑ Fluid-Filled	☐ Break Testing

SEE ORIGINAL COA FOR ALL OTHER REQUIREMENTS.

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

Primary Casing Program

1. The **13-3/8** inch surface casing shall be set at approximately **755 ft.** (a minimum of **70 feet (Eddy County)** into the Rustler Anhydrite and above the salt) and cemented to the surface. **If salt is encountered, set casing at least 25 ft. above the salt.**
    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

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 at approximately **3,320 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**.

Note: Cement excess is less than 25%, more cement is required if washout occurs. Adjust cement volume and excess based on a fluid caliper or similar method that reflects the as-drilled size of the wellbore.

❖ In Medium Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

3. Operator has proposed to set **7 inch** production casing at approximately **8,715 ft.** (8,665 ft. TVD). The minimum required fill of cement behind the **7 inch** production casing is:

- Cement should tie-back **at least 200 feet** into previous casing string. Operator shall provide method of verification. 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 **4-1/2 in.** production liner is:

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

Alternate Casing Program

1. The **13-3/8** inch surface casing shall be set at approximately **755 ft.** (a minimum of **70 feet (Eddy County)** into the Rustler Anhydrite and above the salt) and cemented to the surface. **If salt is encountered, set casing at least 25 ft. above the salt.**

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 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 at approximately **3,320 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**.

Note: Cement excess is less than 25%, more cement is required if washout occurs. Adjust cement volume and excess based on a fluid caliper or similar method that reflects the as-drilled size of the wellbore.

❖ In Medium Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

3. Operator has proposed to set **7 inch** production casing at approximately **9,612 ft.** (9,238 ft. TVD). The minimum required fill of cement behind the **7 inch** production casing is:

- Cement should tie-back **at least 200 feet** into previous casing string. Operator shall provide method of verification. 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 **4-1/2 in.** production liner is:
- Cement should tie-back **at least 100 feet** into previous casing string. Operator shall provide method of verification.

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. 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. BOP and BOPE shall be tested in accordance with title **43 CFR 3172**.
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. 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.
v. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172 must be followed.

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, 620 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

1. 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.

2. 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.

3. 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.

4. 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.

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

6. 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.

7. 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.
8. 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 07/10/2025

Mewbourne Oil Company, Full Tilt 18-7 Fed 527H
Sec 18, T26S, R30E
SHL: 280' FSL 1405' FEL (Sec 18)
BHL: 2560' FSL 750' FEL (Sec 7)

Casing Program Design A						BLM Minimum Safety Factors	1.125	1.0	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet
String	**Hole Size**	**Top MD**	**Top TVD**	**Bot MD**	**Bot TVD**	**Csg. Size**	**SF Collapse**	**SF Burst**	**SF Jt Tension**	**SF Body Tension**
Surface	17.5"	0'	0'	755'	755'	13.375" 48# H40 STC	2.28	5.12	8.89	14.93
Intermediate	12.25"	0'	0'	3320'	3320'	9.625" 36# J55 LTC	1.15	2.00	3.79	4.72
Production	8.75"	0'	0'	8715'	8665'	7" 26# P110 LTC	1.43	2.28	3.06	3.66
Liner	6.125"	8515'	8464'	16907'	9278'	4.5" 13.5# P110 LTC	1.92	2.24	2.98	3.72

Cement Program

Casing		# Sacks	Wt. (PPG)	Yield (ft^3/sack)	TOC/BOC	Volume (ft^3)	% Excess	Slurry Description
13.375 in	LEAD	370	12.5	2.12	0' - 564'	790	100%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	564' - 755'	268		Class C: Retarder
9.625 in	LEAD	490	12.5	2.12	0' - 2640'	1040	25%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	2640' - 3320'	268		Class C: Retarder
7 in	LEAD	570	12.5	2.12	3120' - 7145'	1210	25%	Class C: Salt, Gel, Extender, LCM, Defoamer
	TAIL	400	15.6	1.18	7145' - 8715'	472		Class H: Retarder, Fluid Loss, Defoamer
4.5 in	LEAD	540	13.5	1.85	8515' - 16907'	1000	25%	Class H: Salt, Gel, Fluid Loss, Retarder, Dispersant, Defoamer, Anti-settling Agent

Design A - Mud Program

Depth	Mud Wt	Mud Type
0' - 755'	8.4 - 8.6	Fresh Water
755' - 3320'	10.0 - 10.2	Brine
3320' - 8715'	8.6 - 9.7	Cut-Brine
8715' - 16907'	10.0 - 11.5	OBM

Geology

Formation	Est. Top (TVD)	Mineral Resources	Formation	Est. Top (TVD)	Mineral Resources
Rustler	680'	Usable Water	Delaware (Lamar)		
Castile			Bell Canyon	3460'	Oil/Natural Gas
Salt Top	960'	None	Cherry Canyon	4350'	Oil/Natural Gas
Marker Bed 126			Manzanita Marker		
Salt Base	3220'	None	Basal Brushy Canyon	5620'	Oil/Natural Gas
Yates			Bone Spring	7195'	Oil/Natural Gas
Seven Rivers			1st Bone Spring Carbonate	7220'	Oil/Natural Gas
Queen			1st Bone Spring Sand	8150'	Oil/Natural Gas
Capitan			2nd Bone Spring Carbonate	8585'	Oil/Natural Gas
Grayburg			2nd Bone Spring Sand	8950'	Oil/Natural Gas
San Andres			3rd Bone Spring Carbonate	9250'	Oil/Natural Gas
Glorietta			3rd Bone Spring Sand	10050'	Oil/Natural Gas
Yeso			Wolfcamp	10400'	Oil/Natural Gas

All casing strings will be tested in accordance with 43 CFR Part 3170 Subpart 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.	**N**
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	**Y**
Will the pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	**Y**
Is well located within Capitan Reef?	**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?	**N**
If yes, are there three strings cemented to surface?	

Mewbourne Oil Company, Full Tilt 18-7 Fed 527H
Sec 18, T26S, R30E
SHL: 280' FSL 1405' FEL (Sec 18)
BHL: 2560' FSL 750' FEL (Sec 7)

Casing Program Design B						BLM Minimum Safety Factors	1.125	1.0	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet
String	**Hole Size**	**Top MD**	**Top TVD**	**Bot MD**	**Bot TVD**	**Csg. Size**	**SF Collapse**	**SF Burst**	**SF Jt Tension**	**SF Body Tension**
Surface	17.5"	0'	0'	755'	755'	13.375" 48# H40 STC	2.28	5.12	8.89	14.93
Intermediate	12.25"	0'	0'	3320'	3320'	9.625" 36# J55 LTC	1.15	2.00	3.79	4.72
Production	8.75"	0'	0'	9612'	9238'	7" 26# P110 LTC	1.34	2.14	2.77	3.32
Liner	6.125"	8715'	8665'	16907'	9278'	4.5" 13.5# P110 LTC	1.92	2.24	3.06	3.82

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	370	12.5	2.12	0' - 564'	790	100%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	564' - 755'	268		Class C: Retarder
9.625 in	LEAD	490	12.5	2.12	0' - 2640'	1040	25%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	2640' - 3320'	268		Class C: Retarder
1st Stg 7 in	LEAD	540	12.5	2.12	3120' - 7138'	1150	25%	Class C: Salt, Gel, Extender, LCM, Defoamer
	TAIL	600	15.6	1.18	7138' - 9612'	708		Class H: Retarder, Fluid Loss, Defoamer
4.5 in	LEAD	520	13.5	1.85	8715' - 16907'	970	25%	Class H: Salt, Gel, Fluid Loss, Retarder, Dispersant, Defoamer, Anti-settling Agent

Design B - Mud Program

Depth	Mud Wt (ppg)	Mud Type
0' - 755'	8.4 - 8.6	Fresh Water
755' - 3320'	10.0 - 10.2	Brine
3320' - 9612'	8.6 - 9.7	Cut-Brine
9612' - 16907'	10.0 - 11.5	OBM

Geology

Formation	Est. Top (TVD)	Mineral Resources	Formation	Est. Top (TVD)	Mineral Resources
Rustler	680'	Usable Water	Delaware (Lamar)		
Castile			Bell Canyon	3460'	Oil/Natural Gas
Salt Top	960'	None	Cherry Canyon	4350'	Oil/Natural Gas
Marker Bed 126			Manzanita Marker		
Salt Base	3220'	None	Basal Brushy Canyon	5620'	Oil/Natural Gas
Yates			Bone Spring	7195'	Oil/Natural Gas
Seven Rivers			1st Bone Spring Carbonate	7220'	Oil/Natural Gas
Queen			1st Bone Spring Sand	8150'	Oil/Natural Gas
Capitan			2nd Bone Spring Carbonate	8585'	Oil/Natural Gas
Grayburg			2nd Bone Spring Sand	8950'	Oil/Natural Gas
San Andres			3rd Bone Spring Carbonate	9250'	Oil/Natural Gas
Glorietta			3rd Bone Spring Sand	10050'	Oil/Natural Gas
Yeso			Wolfcamp	10400'	Oil/Natural Gas

All casing strings will be tested in accordance with 43 CFR Part 3170 Subpart 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.	**N**
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	**Y**
Will the pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	**Y**
Is well located within Capitan Reef?	**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?	**N**
If yes, are there three strings cemented to surface?	

Mewbourne Oil Company, Full Tilt 18-7 Fed 527H
Sec 18, T26S, R30E
SHL: 280' FSL 1405' FEL (Sec 18)
BHL: 2560' FSL 750' FEL (Sec 7)

Well Location **GL: 3100'**

Point	Calls	Leases	Aliquot	Section	Township	Range	County	Lat	Long	TVD	MD
SHL	SHL: 280' FSL & 1405' FEL (Sec 18)	NMNM 031649	SWSE	18	26S	30E	Eddy	32.0359641	- 103.9165710	0'	0'
KOP	KOP: 10' FSL & 750' FEL (Sec 18)	NMNM 031649	SESE	18	26S	30E	Eddy	32.0352298	- 103.9144592	8,665'	8,715'
FTP	FTP: 100' FSL & 750' FEL (Sec 18)	NMNM 031649	SESE	18	26S	30E	Eddy	32.0354769	- 103.9144589	8,973'	9,041'
BHL	BHL: 2560' FSL & 750' FEL (Sec 7)	NMNM 031649	NESE	7	26S	30E	Eddy	32.0568477	- 103.9144276	9,278'	16,907'

GEOLOGY

Formation	Est. Top (TVD)	Lithology	Mineral Resources	Formation	Est. Top (TVD)	Lithology	Mineral Resources
Rustler	680'	Dolomite/Anhydrite	Usable Water	Delaware (Lamar)			
Castile				Bell Canyon	3460'	Sandstone	Oil/Natural Gas
Salt Top	960'	Salt	None	Cherry Canyon	4350'	Sandstone	Oil/Natural Gas
Marker Bed 126				Manzanita Marker			
Salt Base	3220'	Salt	None	Basal Brushy Canyon	5620'	Sandstone	Oil/Natural Gas
Yates				Bone Spring	7195'	Limestone/Shale	Oil/Natural Gas
Seven Rivers				1st Bone Spring Carbonate	7220'	Limestone	Oil/Natural Gas
Queen				1st Bone Spring Sand	8150'	Sandstone	Oil/Natural Gas
Capitan				2nd Bone Spring Carbonate	8585'	Limestone	Oil/Natural Gas
Grayburg				2nd Bone Spring Sand	**8950'**	Sandstone	Oil/Natural Gas
San Andres				3rd Bone Spring Carbonate	9250'	Limestone	Oil/Natural Gas
Glorietta				3rd Bone Spring Sand	10050'	Sandstone	Oil/Natural Gas
Yeso				Wolfcamp	10400'	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'	755'	755'	13.375" 48# H40 STC	2.28	5.12	8.89	14.93
Intermediate	12.25"	0'	0'	3320'	3320'	9.625" 36# J55 LTC	1.15	2.00	3.79	4.72
Production	8.75"	0'	0'	8715'	8665'	7" 26# P110 LTC	1.43	2.28	3.06	3.66
Liner	6.125"	8515'	8464'	16907'	9278'	4.5" 13.5# P110 LTC	1.92	2.24	2.98	3.72

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.	**N**
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	**Y**
Will the pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	**Y**
Is well located within Capitan Reef?	**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?	**N**
If yes, are there three strings cemented to surface?	

Mewbourne Oil Company, Full Tilt 18-7 Fed 527H
Sec 18, T26S, R30E
SHL: 280' FSL 1405' FEL (Sec 18)
BHL: 2560' FSL 750' FEL (Sec 7)

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	370	12.5	2.12	0' - 564'	790	100%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	564' - 755'	268		Class C: Retarder
9.625 in	LEAD	490	12.5	2.12	0' - 2640'	1040	25%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	2640' - 3320'	268		Class C: Retarder
7 in	LEAD	570	12.5	2.12	3120' - 7145'	1210	25%	Class C: Salt, Gel, Extender, LCM, Defoamer
	TAIL	400	15.6	1.18	7145' - 8715'	472		Class H: Retarder, Fluid Loss, Defoamer
4.5 in	LEAD	540	13.5	1.85	8515' - 16907'	1000	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#	16,907'
		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' - 755'	8.4 - 8.6	Fresh Water
755' - 3320'	10.0 - 10.2	Brine
3320' - 8715'	8.6 - 9.7	Cut-Brine
8715' - 16907'	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, Full Tilt 18-7 Fed 527H
Sec 18, T26S, R30E
SHL: 280' FSL 1405' FEL (Sec 18)
BHL: 2560' FSL 750' FEL (Sec 7)

Logging and Testing Procedures

Logging, Coring and Testing.	
N	Will run GR/CNL from KOP (8715') to surface (horizontal well – vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM.
Y	No logs are planned based on well control or offset log information. Offset Well: Full Tilt 18/7 Fed #875H
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	5548 psi
BH Temperature	140
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, Full Tilt 18-7 Fed 527H
Sec 18, T26S, R30E
SHL: 280' FSL 1405' FEL (Sec 18)
BHL: 2560' FSL 750' FEL (Sec 7)

Other facets of operation

Mewbourne Oil Company also requests approval to implement additional designs as described below &/or in other attachments. BLM will be notified of elected design.

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'	755'	755'	13.375" 48# H40 STC	2.28	5.12	8.89	14.93
Intermediate	12.25"	0'	0'	3320'	3320'	9.625" 36# J55 LTC	1.15	2.00	3.79	4.72
Production	8.75"	0'	0'	9612'	9238'	7" 26# P110 LTC	1.34	2.14	2.77	3.32
Liner	6.125"	8715'	8665'	16907'	9278'	4.5" 13.5# P110 LTC	1.92	2.24	3.06	3.82

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.	N
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y
Will the pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
Is well located within Capitan Reef?	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?	N
If yes, are there three strings cemented to surface?	

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	370	12.5	2.12	0' - 564'	790	100%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	564' - 755'	268		Class C: Retarder
9.625 in	LEAD	490	12.5	2.12	0' - 2640'	1040	25%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	2640' - 3320'	268		Class C: Retarder
1st Stg 7 in	LEAD	540	12.5	2.12	3120' - 7138'	1150	25%	Class C: Salt, Gel, Extender, LCM, Defoamer
	TAIL	600	15.6	1.18	7138' - 9612'	708		Class H: Retarder, Fluid Loss, Defoamer
4.5 in	LEAD	520	13.5	1.85	8715' - 16907'	970	25%	Class H: Salt, Gel, Fluid Loss, Retarder, Dispersant, Defoamer, Anti-settling Agent

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
30-015-53484	13354	CORRAL CANYON; BONE SPRING, SOUTH

Property Code	Property Name	Well Number
333935	FULL TILT 18/7 FED	527H

OGRID No.	Operator Name	Ground Level Elevation
14744	MEWBOURNE OIL COMPANY	3100'

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
O	18	26S	30E		280 FSL	1405 FEL	32.0359641°N	103.9165711°W	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
I	7	26S	30E		2560 FSL	750 FEL	32.0568478°N	103.9144275°W	EDDY

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
480	INFILL	30-015-53793	Y	P

Order Numbers. | 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	18	26S	30E		10 FSL	750 FEL	32.0352297°N	103.9144591°W	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	18	26S	30E		100 FSL	750 FEL	32.0354770°N	103.9144587°W	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
I	7	26S	30E		2560 FSL	750 FEL	32.0568478°N	103.9144275°W	EDDY

Unitized Area or Area of Uniform Interest	Spacing Unit Type ☑ Horizontal ☐ Vertical	Ground Floor Elevation: 3128'

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.

John Smith — 06/11/2025

Signature — Date

John Smith

Printed Name

john.smith@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	04/24/2025

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.

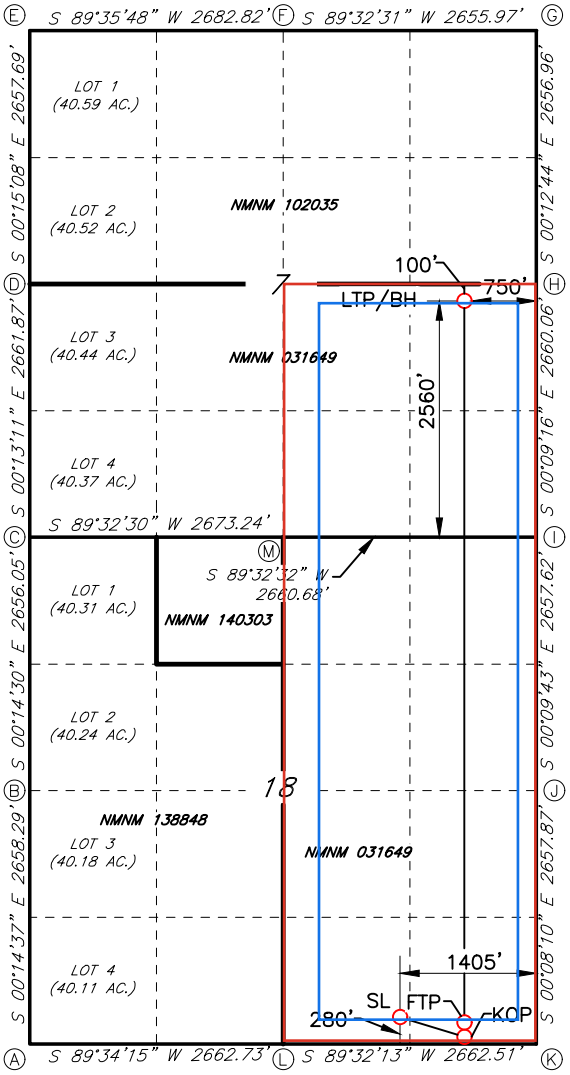
JOB #: L25040396D1

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.

FULL TILT 18/7 FED #527H



GEODETIC DATA
NAD 83 GRID – NM EAST

SURFACE LOCATION (SL)
280' FSL & 1405' FEL (SEC.18)
N: 377071.3 – E: 670478.9

LAT: 32.0359641° N
LONG: 103.9165711° W

FIRST TAKE POINT (FTP)
100' FSL & 750' FEL (SEC.18)
N: 376896.6 – E: 671134.1

LAT: 32.0354770° N
LONG: 103.9144587° W

KICK OFF POINT (KOP)
10' FSL & 750' FEL (SEC.18)
N: 376806.7 – E: 671134.3

LAT: 32.0352297° N
LONG: 103.9144591° W

LAST TAKE POINT/BOTTOM HOLE (LTP/BH)
2560' FSL & 750' FEL (SEC.7)
N: 384670.8 – E: 671113.6

LAT: 32.0568478° N
LONG: 103.9144275° W

CORNER DATA
NAD 83 GRID – NM EAST

A: FOUND BRASS CAP "1940"
N: 376761.3 – E: 666560.2

B: FOUND BRASS CAP "1940"
N: 379419.0 – E: 666548.9

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

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

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

F: FOUND BRASS CAP "1940"
N: 387411.7 – E: 669198.0

G: FOUND 1/2" REBAR
N: 387432.9 – E: 671853.4

H: FOUND BRASS CAP "1940"
N: 384776.6 – E: 671863.2

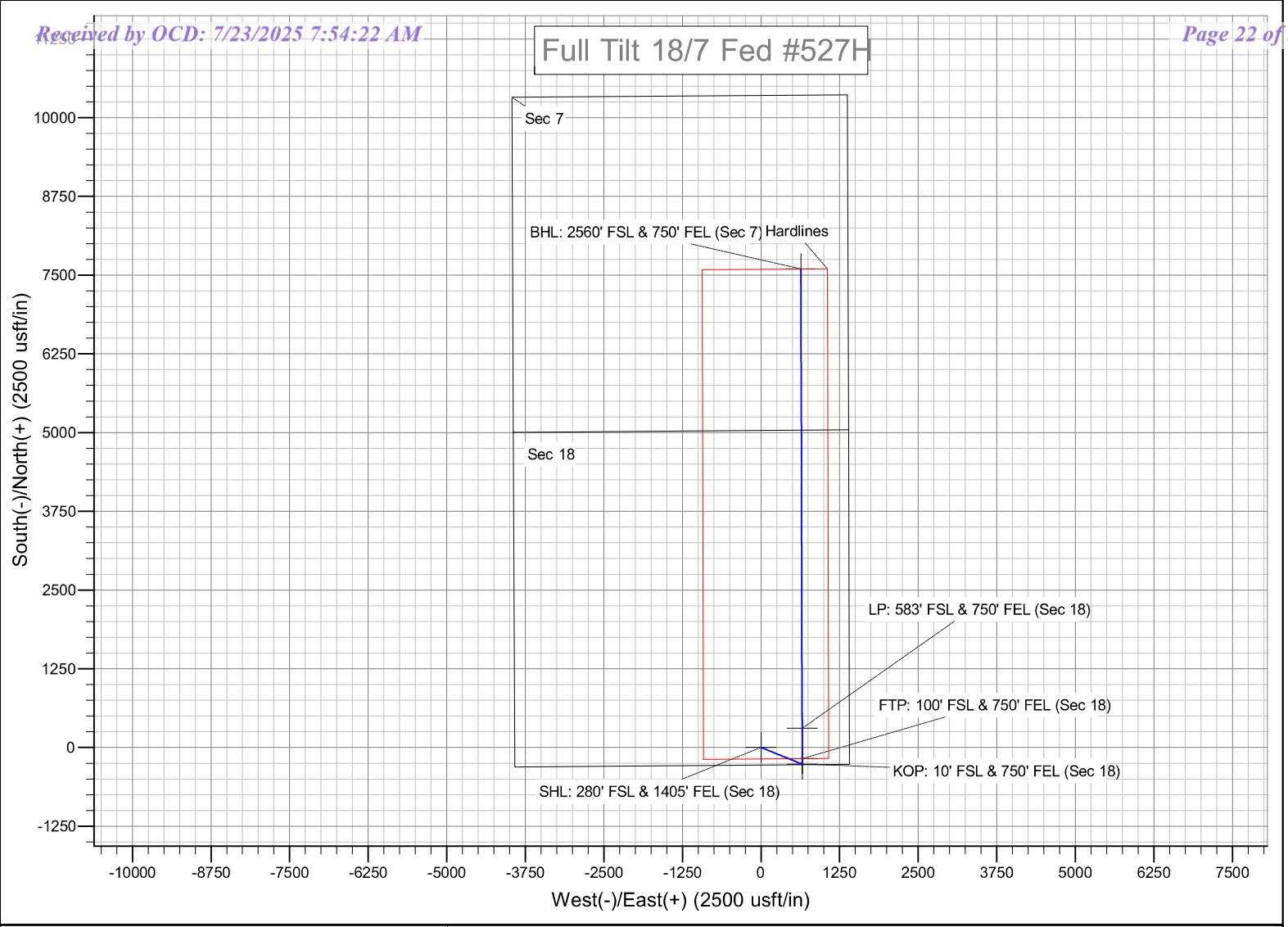
I: FOUND BRASS CAP "1940"
N: 382117.1 – E: 671870.4

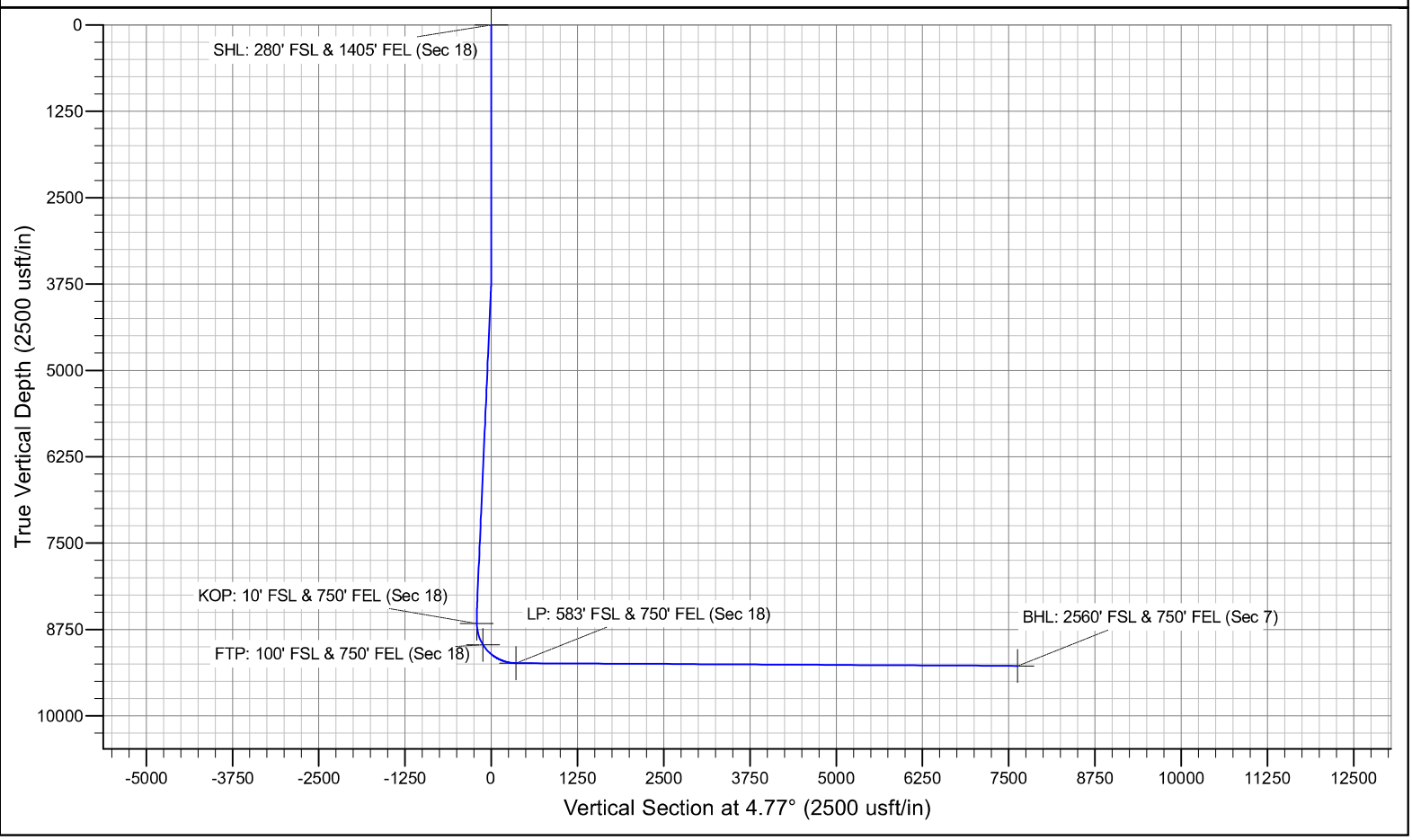
J: FOUND BRASS CAP "1940"
N: 379460.0 – E: 671877.9

K: FOUND BRASS CAP "1940"
N: 376802.7 – E: 671884.2

L: FOUND BRASS CAP "1940"
N: 376781.2 – E: 669222.3

M: FOUND BRASS CAP "1940"
N:382095.8 – E:669210.3


Full Tilt 18/7 Fed #527H
Sec 7
Sec 18
BHL: 2560' FSL & 750' FEL (Sec 7) Hardlines
LP: 583' FSL & 750' FEL (Sec 18)
FTP: 100' FSL & 750' FEL (Sec 18)
KOP: 10' FSL & 750' FEL (Sec 18)
SHL: 280' FSL & 1405' FEL (Sec 18)
South(-)/North(+) (2500 usft/in)
West(-)/East(+) (2500 usft/in)


SHL: 280' FSL & 1405' FEL (Sec 18)
KOP: 10' FSL & 750' FEL (Sec 18)
LP: 583' FSL & 750' FEL (Sec 18)
FTP: 100' FSL & 750' FEL (Sec 18)
BHL: 2560' FSL & 750' FEL (Sec 7)
True Vertical Depth (2500 usft/in)
Vertical Section at 4.77° (2500 usft/in)

Mewbourne Oil Company

Eddy County, New Mexico NAD 83
Full Tilt 18/7 Fed #527H
Sec 18, T26S, R30E
SHL: 280' FSL & 1405' FEL (Sec 18)
BHL: 2560' FSL & 750' FEL (Sec 7)

Plan: Design #1

Standard Planning Report

11 June, 2025

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Full Tilt 18/7 Fed #527H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3128.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3128.0usft (Original Well Elev)
Site:	Full Tilt 18/7 Fed #527H	**North Reference:**	Grid
Well:	Sec 18, T26S, R30E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 2560' FSL & 750' FEL (Sec 7)		
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 Full Tilt 18/7 Fed #527H

Site Position:		**Northing:**	377,071.29 usft	**Latitude:**	32.0359641
From:	Map	**Easting:**	670,478.91 usft	**Longitude:**	-103.9165710
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "		

Well Sec 18, T26S, R30E

Well Position	**+N/-S**	0.0 usft	**Northing:**	377,071.29 usft	**Latitude:**	32.0359641
	+E/-W	0.0 usft	**Easting:**	670,478.91 usft	**Longitude:**	-103.9165710
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	3,128.0 usft	**Ground Level:**	3,100.0 usft
Grid Convergence:		0.22 °				

Wellbore BHL: 2560' FSL & 750' FEL (Sec 7)

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/31/2014	7.29	59.87	48,089.08934499

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	4.77

Plan Survey Tool Program **Date** 6/11/2025

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	0.0	Design #1 (BHL: 2560' FSL & 75(		

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	

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Full Tilt 18/7 Fed #527H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3128.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3128.0usft (Original Well Elev)
Site:	Full Tilt 18/7 Fed #527H	**North Reference:**	Grid
Well:	Sec 18, T26S, R30E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 2560' FSL & 750' FEL (Sec 7)		
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: 280' FSL & 1405' FEL (Sec 18)									
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	2.00	111.98	3,600.0	-0.7	1.6	-0.5	2.00	2.00	0.00
3,700.0	4.00	111.98	3,699.8	-2.6	6.5	-2.1	2.00	2.00	0.00
3,800.0	6.00	111.98	3,799.5	-5.9	14.6	-4.6	2.00	2.00	0.00
3,900.0	8.00	111.98	3,898.7	-10.4	25.9	-8.2	2.00	2.00	0.00
3,924.0	8.48	111.98	3,922.5	-11.7	29.0	-9.3	2.00	2.00	0.00
4,000.0	8.48	111.98	3,997.6	-15.9	39.4	-12.6	0.00	0.00	0.00
4,100.0	8.48	111.98	4,096.5	-21.4	53.1	-16.9	0.00	0.00	0.00
4,200.0	8.48	111.98	4,195.4	-27.0	66.8	-21.3	0.00	0.00	0.00
4,300.0	8.48	111.98	4,294.3	-32.5	80.5	-25.7	0.00	0.00	0.00
4,400.0	8.48	111.98	4,393.2	-38.0	94.1	-30.0	0.00	0.00	0.00
4,500.0	8.48	111.98	4,492.2	-43.5	107.8	-34.4	0.00	0.00	0.00
4,600.0	8.48	111.98	4,591.1	-49.0	121.5	-38.8	0.00	0.00	0.00
4,700.0	8.48	111.98	4,690.0	-54.6	135.2	-43.1	0.00	0.00	0.00
4,800.0	8.48	111.98	4,788.9	-60.1	148.8	-47.5	0.00	0.00	0.00
4,900.0	8.48	111.98	4,887.8	-65.6	162.5	-51.9	0.00	0.00	0.00
5,000.0	8.48	111.98	4,986.7	-71.1	176.2	-56.2	0.00	0.00	0.00
5,100.0	8.48	111.98	5,085.6	-76.7	189.9	-60.6	0.00	0.00	0.00

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Full Tilt 18/7 Fed #527H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3128.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3128.0usft (Original Well Elev)
Site:	Full Tilt 18/7 Fed #527H	**North Reference:**	Grid
Well:	Sec 18, T26S, R30E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 2560' FSL & 750' FEL (Sec 7)		
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)
5,200.0	8.48	111.98	5,184.5	-82.2	203.5	-64.9	0.00	0.00	0.00
5,300.0	8.48	111.98	5,283.4	-87.7	217.2	-69.3	0.00	0.00	0.00
5,400.0	8.48	111.98	5,382.3	-93.2	230.9	-73.7	0.00	0.00	0.00
5,500.0	8.48	111.98	5,481.2	-98.7	244.6	-78.0	0.00	0.00	0.00
5,600.0	8.48	111.98	5,580.1	-104.3	258.2	-82.4	0.00	0.00	0.00
5,700.0	8.48	111.98	5,679.0	-109.8	271.9	-86.8	0.00	0.00	0.00
5,800.0	8.48	111.98	5,777.9	-115.3	285.6	-91.1	0.00	0.00	0.00
5,900.0	8.48	111.98	5,876.8	-120.8	299.3	-95.5	0.00	0.00	0.00
6,000.0	8.48	111.98	5,975.8	-126.3	312.9	-99.9	0.00	0.00	0.00
6,100.0	8.48	111.98	6,074.7	-131.9	326.6	-104.2	0.00	0.00	0.00
6,200.0	8.48	111.98	6,173.6	-137.4	340.3	-108.6	0.00	0.00	0.00
6,300.0	8.48	111.98	6,272.5	-142.9	354.0	-112.9	0.00	0.00	0.00
6,400.0	8.48	111.98	6,371.4	-148.4	367.6	-117.3	0.00	0.00	0.00
6,500.0	8.48	111.98	6,470.3	-153.9	381.3	-121.7	0.00	0.00	0.00
6,600.0	8.48	111.98	6,569.2	-159.5	395.0	-126.0	0.00	0.00	0.00
6,700.0	8.48	111.98	6,668.1	-165.0	408.7	-130.4	0.00	0.00	0.00
6,800.0	8.48	111.98	6,767.0	-170.5	422.3	-134.8	0.00	0.00	0.00
6,900.0	8.48	111.98	6,865.9	-176.0	436.0	-139.1	0.00	0.00	0.00
7,000.0	8.48	111.98	6,964.8	-181.5	449.7	-143.5	0.00	0.00	0.00
7,100.0	8.48	111.98	7,063.7	-187.1	463.4	-147.9	0.00	0.00	0.00
7,200.0	8.48	111.98	7,162.6	-192.6	477.0	-152.2	0.00	0.00	0.00
7,300.0	8.48	111.98	7,261.5	-198.1	490.7	-156.6	0.00	0.00	0.00
7,400.0	8.48	111.98	7,360.4	-203.6	504.4	-160.9	0.00	0.00	0.00
7,500.0	8.48	111.98	7,459.4	-209.2	518.1	-165.3	0.00	0.00	0.00
7,600.0	8.48	111.98	7,558.3	-214.7	531.7	-169.7	0.00	0.00	0.00
7,700.0	8.48	111.98	7,657.2	-220.2	545.4	-174.0	0.00	0.00	0.00
7,800.0	8.48	111.98	7,756.1	-225.7	559.1	-178.4	0.00	0.00	0.00
7,900.0	8.48	111.98	7,855.0	-231.2	572.8	-182.8	0.00	0.00	0.00
8,000.0	8.48	111.98	7,953.9	-236.8	586.4	-187.1	0.00	0.00	0.00
8,100.0	8.48	111.98	8,052.8	-242.3	600.1	-191.5	0.00	0.00	0.00
8,200.0	8.48	111.98	8,151.7	-247.8	613.8	-195.9	0.00	0.00	0.00
8,291.8	8.48	111.98	8,242.5	-252.9	626.4	-199.9	0.00	0.00	0.00
8,300.0	8.32	111.98	8,250.6	-253.3	627.5	-200.2	2.00	-2.00	0.00
8,400.0	6.32	111.98	8,349.8	-258.1	639.3	-204.0	2.00	-2.00	0.00
8,500.0	4.32	111.98	8,449.4	-261.5	647.9	-206.7	2.00	-2.00	0.00
8,600.0	2.32	111.98	8,549.2	-263.7	653.2	-208.4	2.00	-2.00	0.00
8,700.0	0.32	111.98	8,649.1	-264.6	655.4	-209.1	2.00	-2.00	0.00
8,715.9	0.00	0.00	8,665.0	-264.6	655.4	-209.1	2.00	-2.00	0.00
KOP: 10' FSL & 750' FEL (Sec 18)									
8,750.0	3.41	359.85	8,699.1	-263.6	655.4	-208.1	10.00	10.00	0.00
8,800.0	8.41	359.85	8,748.8	-258.4	655.4	-203.0	10.00	10.00	0.00
8,850.0	13.41	359.85	8,797.9	-249.0	655.4	-193.6	10.00	10.00	0.00
8,900.0	18.41	359.85	8,846.0	-235.3	655.3	-179.9	10.00	10.00	0.00
8,950.0	23.41	359.85	8,892.7	-217.4	655.3	-162.1	10.00	10.00	0.00
9,000.0	28.41	359.85	8,937.6	-195.6	655.2	-140.4	10.00	10.00	0.00
9,041.2	32.53	359.85	8,973.1	-174.7	655.2	-119.6	10.00	10.00	0.00
FTP: 100' FSL & 750' FEL (Sec 18)									
9,050.0	33.41	359.85	8,980.5	-169.9	655.2	-114.8	10.00	10.00	0.00
9,100.0	38.41	359.85	9,021.0	-140.6	655.1	-85.6	10.00	10.00	0.00
9,150.0	43.41	359.85	9,058.8	-107.8	655.0	-53.0	10.00	10.00	0.00
9,200.0	48.41	359.85	9,093.6	-71.9	654.9	-17.2	10.00	10.00	0.00
9,250.0	53.41	359.85	9,125.1	-33.1	654.8	21.5	10.00	10.00	0.00
9,300.0	58.41	359.85	9,153.1	8.2	654.7	62.7	10.00	10.00	0.00
9,350.0	63.41	359.85	9,177.4	51.9	654.6	106.2	10.00	10.00	0.00

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Full Tilt 18/7 Fed #527H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3128.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3128.0usft (Original Well Elev)
Site:	Full Tilt 18/7 Fed #527H	**North Reference:**	Grid
Well:	Sec 18, T26S, R30E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 2560' FSL & 750' FEL (Sec 7)		
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)
9,400.0	68.41	359.85	9,197.8	97.6	654.4	151.7	10.00	10.00	0.00
9,450.0	73.41	359.85	9,214.2	144.8	654.3	198.7	10.00	10.00	0.00
9,500.0	78.41	359.85	9,226.3	193.3	654.2	247.0	10.00	10.00	0.00
9,550.0	83.41	359.85	9,234.2	242.6	654.1	296.2	10.00	10.00	0.00
9,600.0	88.41	359.85	9,237.8	292.5	653.9	345.9	10.00	10.00	0.00
9,612.8	89.69	359.85	9,238.0	305.3	653.9	358.6	10.00	10.00	0.00
LP: 583' FSL & 750' FEL (Sec 18)									
9,700.0	89.69	359.85	9,238.5	392.5	653.7	445.5	0.00	0.00	0.00
9,800.0	89.69	359.85	9,239.0	492.5	653.4	545.2	0.00	0.00	0.00
9,900.0	89.69	359.85	9,239.6	592.5	653.1	644.8	0.00	0.00	0.00
10,000.0	89.69	359.85	9,240.1	692.5	652.9	744.4	0.00	0.00	0.00
10,100.0	89.69	359.85	9,240.7	792.5	652.6	844.0	0.00	0.00	0.00
10,200.0	89.69	359.85	9,241.2	892.5	652.4	943.7	0.00	0.00	0.00
10,300.0	89.69	359.85	9,241.8	992.5	652.1	1,043.3	0.00	0.00	0.00
10,400.0	89.69	359.85	9,242.3	1,092.5	651.8	1,142.9	0.00	0.00	0.00
10,500.0	89.69	359.85	9,242.9	1,192.5	651.6	1,242.6	0.00	0.00	0.00
10,600.0	89.69	359.85	9,243.4	1,292.5	651.3	1,342.2	0.00	0.00	0.00
10,700.0	89.69	359.85	9,244.0	1,392.5	651.0	1,441.8	0.00	0.00	0.00
10,800.0	89.69	359.85	9,244.5	1,492.5	650.8	1,541.4	0.00	0.00	0.00
10,900.0	89.69	359.85	9,245.1	1,592.5	650.5	1,641.1	0.00	0.00	0.00
11,000.0	89.69	359.85	9,245.6	1,692.5	650.2	1,740.7	0.00	0.00	0.00
11,100.0	89.69	359.85	9,246.2	1,792.5	650.0	1,840.3	0.00	0.00	0.00
11,200.0	89.69	359.85	9,246.7	1,892.5	649.7	1,940.0	0.00	0.00	0.00
11,300.0	89.69	359.85	9,247.3	1,992.5	649.5	2,039.6	0.00	0.00	0.00
11,400.0	89.69	359.85	9,247.8	2,092.4	649.2	2,139.2	0.00	0.00	0.00
11,500.0	89.69	359.85	9,248.3	2,192.4	648.9	2,238.8	0.00	0.00	0.00
11,600.0	89.69	359.85	9,248.9	2,292.4	648.7	2,338.5	0.00	0.00	0.00
11,700.0	89.69	359.85	9,249.4	2,392.4	648.4	2,438.1	0.00	0.00	0.00
11,800.0	89.69	359.85	9,250.0	2,492.4	648.1	2,537.7	0.00	0.00	0.00
11,900.0	89.69	359.85	9,250.5	2,592.4	647.9	2,637.4	0.00	0.00	0.00
12,000.0	89.69	359.85	9,251.1	2,692.4	647.6	2,737.0	0.00	0.00	0.00
12,100.0	89.69	359.85	9,251.6	2,792.4	647.4	2,836.6	0.00	0.00	0.00
12,200.0	89.69	359.85	9,252.2	2,892.4	647.1	2,936.3	0.00	0.00	0.00
12,300.0	89.69	359.85	9,252.7	2,992.4	646.8	3,035.9	0.00	0.00	0.00
12,400.0	89.69	359.85	9,253.3	3,092.4	646.6	3,135.5	0.00	0.00	0.00
12,500.0	89.69	359.85	9,253.8	3,192.4	646.3	3,235.1	0.00	0.00	0.00
12,600.0	89.69	359.85	9,254.4	3,292.4	646.0	3,334.8	0.00	0.00	0.00
12,700.0	89.69	359.85	9,254.9	3,392.4	645.8	3,434.4	0.00	0.00	0.00
12,800.0	89.69	359.85	9,255.5	3,492.4	645.5	3,534.0	0.00	0.00	0.00
12,900.0	89.69	359.85	9,256.0	3,592.4	645.2	3,633.7	0.00	0.00	0.00
13,000.0	89.69	359.85	9,256.6	3,692.4	645.0	3,733.3	0.00	0.00	0.00
13,100.0	89.69	359.85	9,257.1	3,792.4	644.7	3,832.9	0.00	0.00	0.00
13,200.0	89.69	359.85	9,257.7	3,892.4	644.5	3,932.5	0.00	0.00	0.00
13,300.0	89.69	359.85	9,258.2	3,992.4	644.2	4,032.2	0.00	0.00	0.00
13,400.0	89.69	359.85	9,258.8	4,092.4	643.9	4,131.8	0.00	0.00	0.00
13,500.0	89.69	359.85	9,259.3	4,192.4	643.7	4,231.4	0.00	0.00	0.00
13,600.0	89.69	359.85	9,259.9	4,292.4	643.4	4,331.1	0.00	0.00	0.00
13,700.0	89.69	359.85	9,260.4	4,392.4	643.1	4,430.7	0.00	0.00	0.00
13,800.0	89.69	359.85	9,261.0	4,492.4	642.9	4,530.3	0.00	0.00	0.00
13,900.0	89.69	359.85	9,261.5	4,592.4	642.6	4,630.0	0.00	0.00	0.00
14,000.0	89.69	359.85	9,262.1	4,692.4	642.4	4,729.6	0.00	0.00	0.00
14,100.0	89.69	359.85	9,262.6	4,792.4	642.1	4,829.2	0.00	0.00	0.00
14,200.0	89.69	359.85	9,263.2	4,892.4	641.8	4,928.8	0.00	0.00	0.00

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Full Tilt 18/7 Fed #527H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3128.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3128.0usft (Original Well Elev)
Site:	Full Tilt 18/7 Fed #527H	**North Reference:**	Grid
Well:	Sec 18, T26S, R30E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 2560' FSL & 750' FEL (Sec 7)		
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)
14,300.0	89.69	359.85	9,263.7	4,992.4	641.6	5,028.5	0.00	0.00	0.00
14,400.0	89.69	359.85	9,264.3	5,092.4	641.3	5,128.1	0.00	0.00	0.00
14,500.0	89.69	359.85	9,264.8	5,192.4	641.0	5,227.7	0.00	0.00	0.00
14,600.0	89.69	359.85	9,265.3	5,292.4	640.8	5,327.4	0.00	0.00	0.00
14,700.0	89.69	359.85	9,265.9	5,392.4	640.5	5,427.0	0.00	0.00	0.00
14,800.0	89.69	359.85	9,266.4	5,492.4	640.2	5,526.6	0.00	0.00	0.00
14,900.0	89.69	359.85	9,267.0	5,592.4	640.0	5,626.2	0.00	0.00	0.00
15,000.0	89.69	359.85	9,267.5	5,692.4	639.7	5,725.9	0.00	0.00	0.00
15,100.0	89.69	359.85	9,268.1	5,792.4	639.5	5,825.5	0.00	0.00	0.00
15,200.0	89.69	359.85	9,268.6	5,892.4	639.2	5,925.1	0.00	0.00	0.00
15,300.0	89.69	359.85	9,269.2	5,992.4	638.9	6,024.8	0.00	0.00	0.00
15,400.0	89.69	359.85	9,269.7	6,092.4	638.7	6,124.4	0.00	0.00	0.00
15,500.0	89.69	359.85	9,270.3	6,192.4	638.4	6,224.0	0.00	0.00	0.00
15,600.0	89.69	359.85	9,270.8	6,292.4	638.1	6,323.7	0.00	0.00	0.00
15,700.0	89.69	359.85	9,271.4	6,392.4	637.9	6,423.3	0.00	0.00	0.00
15,800.0	89.69	359.85	9,271.9	6,492.4	637.6	6,522.9	0.00	0.00	0.00
15,900.0	89.69	359.85	9,272.5	6,592.4	637.4	6,622.5	0.00	0.00	0.00
16,000.0	89.69	359.85	9,273.0	6,692.4	637.1	6,722.2	0.00	0.00	0.00
16,100.0	89.69	359.85	9,273.6	6,792.4	636.8	6,821.8	0.00	0.00	0.00
16,200.0	89.69	359.85	9,274.1	6,892.4	636.6	6,921.4	0.00	0.00	0.00
16,300.0	89.69	359.85	9,274.7	6,992.4	636.3	7,021.1	0.00	0.00	0.00
16,400.0	89.69	359.85	9,275.2	7,092.4	636.0	7,120.7	0.00	0.00	0.00
16,500.0	89.69	359.85	9,275.8	7,192.4	635.8	7,220.3	0.00	0.00	0.00
16,600.0	89.69	359.85	9,276.3	7,292.4	635.5	7,319.9	0.00	0.00	0.00
16,700.0	89.69	359.85	9,276.9	7,392.4	635.2	7,419.6	0.00	0.00	0.00
16,800.0	89.69	359.85	9,277.4	7,492.3	635.0	7,519.2	0.00	0.00	0.00
16,907.2	89.69	359.85	9,278.0	7,599.5	634.7	7,626.0	0.00	0.00	0.00
BHL: 2560' FSL & 750' FEL (Sec 7)									

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: 280' FSL & 140[illegible] - plan hits target center - Point	0.00	0.01	0.0	0.0	0.0	377,071.29	670,478.91	32.0359641	-103.9165710
KOP: 10' FSL & 750' [illegible] - plan hits target center - Point	0.00	0.00	8,665.0	-264.6	655.4	376,806.70	671,134.30	32.0352298	-103.9144592
FTP: 100' FSL & 750' - plan hits target center - Point	0.00	0.00	8,973.1	-174.7	655.2	376,896.59	671,134.06	32.0354769	-103.9144589
LP: 583' FSL & 750' F - plan hits target center - Point	0.00	0.01	9,238.0	305.3	653.9	377,376.56	671,132.79	32.0367963	-103.9144570
BHL: 2560' FSL & 75[illegible] - plan hits target center - Point	0.00	0.00	9,278.0	7,599.5	634.7	384,670.80	671,113.60	32.0568477	-103.9144276

Mewbourne Oil Company

Sundry Request:

Mewbourne Oil Company request that the following change be made to the Full Tilt 18/7 Fed #527H (API #30-015-53484):

1. **Change SHL f/ 590' FSL & 1422' FEL, Sec 18, T26S R30E, Eddy Co., NM to 280' FSL & 1405' FEL, Sec 18, T26S R30E, Eddy Co., NM.**
2. **Change BHL f/ 2560' FSL & 1484' FEL, Sec 7, T26S R30E, Eddy Co., NM to 2560' FSL & 750' FEL, Sec 7, T26S R30E, Eddy Co., NM**
3. **Change pool name and code f/ WC-015 G-03S262925D; BONE SPRING [98211] to CORRAL CANYON; BONE SPRING [13354]**
4. **Adjust casing, cement, directional plan, and drilling program as detailed in respective attachments.**

Attached is updated C102, CsgAssumptions, Dir Plan, Dir Plot, Drilling Program.

U. S. Steel Tubular Products

7/8/2021 11:14:10 AM

7.000" 29.00lb/ft (0.408" Wall) P110 HP

MECHANICAL PROPERTIES	Pipe	BTC	LTC	STC		--
Minimum Yield Strength	125,000	--	--	--	psi	--
Maximum Yield Strength	140,000	--	--	--	psi	--
Minimum Tensile Strength	130,000	--	--	--	psi	--
DIMENSIONS	**Pipe**	**BTC**	**LTC**	**STC**		**--**
Outside Diameter	7.000	7.875	7.875	0.000	in.	--
Wall Thickness	0.408	--	--	--	in.	--
Inside Diameter	6.184	6.184	6.184	--	in.	--
Standard Drift	6.059	6.059	6.059	6.059	in.	--
Alternate Drift	--	--	0.000	--	in.	--
Nominal Linear Weight, T&C	29.00	--	--	--	lb/ft	--
Plain End Weight	28.75	--	--	--	lb/ft	--
PERFORMANCE	**Pipe**	**BTC**	**LTC**	**STC**		**--**
Minimum Collapse Pressure	10,530	10,530	10,530	10,530	psi	--
Minimum Internal Yield Pressure	12,750	12,750	12,750	12,750	psi	--
Minimum Pipe Body Yield Strength	1,056	--	--	--	1,000 lbs	--
Joint Strength	--	1,017	852	--	1,000 lbs	--
Reference Length	--	23,379	19,587	--	ft	--
MAKE-UP DATA	**Pipe**	**BTC**	**LTC**	**STC**		**--**
Make-Up Loss	--	4.50	4.00	--	in.	--
Minimum Make-Up Torque	--	--	6,620	--	ft-lb	--
Maximum Make-Up Torque	--	--	11,030	--	ft-lb	--

Notes

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

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

Tenaris

API LTC

Coupling	Pipe Body
Grade: **P110**	Grade: **P110**
Body: **White**	1st Band: **White**
1st Band: **-**	2nd Band: **-**
2nd Band: **-**	3rd Band: **-**
3rd Band: **-**	4th Band: **-**

Outside Diameter	4.500 in.	**Wall Thickness**	0.290 in.	**Grade**	P110
Min. Wall Thickness	87.50 %	**Pipe Body Drift**	API Standard	**Type**	Casing
Connection OD Option	Regular				

Pipe Body Data

Geometry				Performance	
Nominal OD	4.500 in.	**Drift**	3.795 in.	**SMYS**	110,000 psi
Wall Thickness	0.290 in.	**Plain End Weight**	13.05 lb/ft	**Min UTS**	125,000 psi
Nominal Weight	13.500 lb/ft	**OD Tolerance**	API	**Body Yield Strength**	422 x1000 lb
Nominal ID	3.920 in.			**Min. Internal Yield Pressure**	12,410 psi
				Collapse Pressure	10,690 psi
				Max. Allowed Bending	112 °/100 ft

Connection Data

Geometry		Performance		Make-Up Torques	
Thread per In	8	**Joint Strength**	338 x1000 lb	**Minimum Torque**	2750 ft-lb
Connection OD	5.250 in.	**Coupling Face Load**	473 x1000 lb	**Optimum Torque**	3660 ft-lb
Hand Tight Stand Off	3 in.	**Internal Pressure Capacity**	12,410 psi	**Maximum Torque**	4580 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.

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.

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.

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

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 487848
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Work was performed without OCD approval.	1/21/2026