

Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised August 1, 2011

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

| |
|---|
| WELL API NO. 30-025-47483 |
| 5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 6. State Oil & Gas Lease No. |
| 7. Lease Name or Unit Agreement Name Hereford 29/20 W1MD State Com |
| 8. Well Number 1H |
| 9. OGRID Number 14744 |
| 10. Pool name or Wildcat Scharb; Wolfcamp, SE (55650) |

SUNDRY NOTICES AND REPORTS ON WELLS
 (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

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

2. Name of Operator
Mewbourne Oil Company

3. Address of Operator
PO Box 5270, Hobbs, NM 88240

4. Well Location

Unit Letter M : 205 feet from the South line and 990 feet from the West line
 Section 29 Township 19S Range 35E NMPM County Lea

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
2945' GL

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☒
 PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
 DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
 COMMENCE DRILLING OPNS. ☐ P AND A ☐
 CASING/CEMENT JOB ☐

OTHER: ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Mewbourne Oil Company has an approved APD for the above well. MOC requests approval to change production casing to 7 5/8" 39# P110 LFJ as detailed below.

| Casing Type | Fluid Type | Hole Size | Casing Size | Casing Grade | Casing Weight | Top MD | Setting Depth | Sacks Cement | Top Cement |
|--------------|------------|-----------|-------------|--------------|---------------|--------|---------------|--------------|------------|
| Surface | Spud Mud | 17.5 | 13 3/8" | J55 | 54.5 | 0 | 1940 | 1350 | 0 |
| Intermediate | Brine | 12.25 | 9 5/8" | L80 | 40 | 0 | 3655 | 730 | 0 |
| Production | Cut Brine | 8.75 | 7 5/8" | P110 | 39 | 0 | 10555 | 605 | 3455 |
| Liner | OBM | 6.125 | 4 1/2" | P110 | 13.5 | 10355 | 21371 | 445 | 10355 |

Spud Date:

Est. April 2021

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Andrew W. Taylor TITLE Engineer DATE 3/29/2021

Type or print name Andy Taylor E-mail address: ataylor@mewbourne.com PHONE: (575) 393-5905

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):



U. S. Steel Tubular Products

1/21/2020 11:41:25 AM

7.625" 39.00lbs/ft (0.500" Wall) P110 HC USS-LIBERTY FJM®



| MECHANICAL PROPERTIES | Pipe | USS-LIBERTY FJM® | |
|----------------------------------|-----------|------------------|------------|
| Minimum Yield Strength | 110,000 | -- | psi |
| Maximum Yield Strength | 140,000 | -- | psi |
| Minimum Tensile Strength | 125,000 | -- | psi |
| DIMENSIONS | Pipe | USS-LIBERTY FJM® | |
| Outside Diameter | 7.625 | 7.625 | in. |
| Wall Thickness | 0.500 | -- | in. |
| Inside Diameter | 6.625 | 6.539 | in. |
| Standard Drift | 6.500 | 6.500 | in. |
| Alternate Drift | -- | -- | in. |
| Nominal Linear Weight, T&C | 39.00 | -- | lbs/ft |
| Plain End Weight | 38.08 | -- | lbs/ft |
| SECTION AREA | Pipe | USS-LIBERTY FJM® | |
| Critical Area | 11.192 | 6.665 | sq. in. |
| Joint Efficiency | -- | 59.5 | % |
| PERFORMANCE | Pipe | USS-LIBERTY FJM® | |
| Minimum Collapse Pressure | 12,180 | 12,180 | psi |
| Minimum Internal Yield Pressure | 12,640 | 12,640 | psi |
| Minimum Pipe Body Yield Strength | 1,231,000 | -- | lbs |
| Joint Strength | -- | 733,000 | lbs |
| Compression Rating | -- | 733,000 | lbs |
| Reference Length | -- | 12,843 | ft |
| Maximum Uniaxial Bend Rating | -- | 39.4 | deg/100 ft |
| MAKE-UP DATA | Pipe | USS-LIBERTY FJM® | |
| Make-Up Loss | -- | 4.75 | in. |
| Minimum Make-Up Torque | -- | 14,700 | ft-lbs |
| Maximum Make-Up Torque | -- | 20,750 | ft-lbs |

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. Compressive & Tensile Connection Efficiencies are calculated by dividing the connection critical area by the pipe body area.
3. Uniaxial bending rating shown is structural only, and equal to compression efficiency.
4. USS-LIBERTY FJM™ connections are optimized for each combination of OD and wall thickness and cannot be interchanged.
5. 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.).
6. Reference length is calculated by joint strength divided by nominal plain end weight with 1.5 safety factor.
7. Connection external pressure leak resistance has been verified to 100% API pipe body collapse pressure following the guidelines of API 5C5 Cal III.

Legal Notice

USS-LIBERTY FJM® is a trademark of U. S. Steel Corporation. 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.

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

CONDITIONS

Action 22252

CONDITIONS OF APPROVAL

| | | | | | | | | | |
|--------------|------------------|---------------|----------------|--------|-------|----------------|-------|--------------|-----------|
| Operator: | MEWBOURNE OIL CO | P.O. Box 5270 | Hobbs, NM88241 | OGRID: | 14744 | Action Number: | 22252 | Action Type: | C-103A |
| OCD Reviewer | | | | | | | | | Condition |
| pkautz | | | | | | | | | None |