

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**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.*5. Lease Serial No.
NMNM45236

16. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

ARTESIA DISTRICT

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

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

JAN 31 2019

8. Well Name and No.
Multiple--See Attached2. Name of Operator
OXY USA INCORPORATEDContact: SARAH CHAPMAN
E-Mail: SARAH_CHAPMAN@OXY.COM

RECEIVED

9. API Well No.
Multiple--See Attached3a. Address
5 GREENWAY PLAZA SUITE 110
HOUSTON, TX 77046-05213b. Phone No. (include area code)
Ph: 713-350-499710. Field and Pool or Exploratory Area
INGLE WELLS

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

Multiple--See Attached

11. County or Parish, State

EDDY COUNTY, NM

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|--|---|---|--|---|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Hydraulic Fracturing | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other |
| | <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | Change to Original A |
| | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | PD |

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 recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 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 determined that the site is ready for final inspection.

OXY respectfully requests to make the following change:

This is a bulk sundry request for 4 wells in Sterling Silver MDP1 33-4 Fed Com to include a 4 string contingency into our original 3 string design. The wells related to this sundry request are:

Sterling Silver MDP1 33-4 Fed Com 1H (30-015-45335)
Sterling Silver MDP1 33-4 Fed Com 2H (30-015-45390)
Sterling Silver MDP1 33-4 Fed Com 3H (30-015-45391)
Sterling Silver MDP1 33-4 Fed Com 3H (30-015-45392)

*Oxy requests the option to run the 7.625? Intermediate II as a contingency string to be run only

SEE ATTACHED FOR
CONDITIONS OF APPROVALAccepted For Record
NMOC

2-4-19

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

Electronic Submission #447824 verified by the BLM Well Information System

For OXY USA INCORPORATED, sent to the Carlsbad

Committed to AFMSS for processing by PRISCILLA PEREZ on 12/14/2018 (19PP0633SE)

Name (Printed/Typed) DAVID STEWART

Title REGULATORY ADVISOR

Signature (Electronic Submission)

Date 12/14/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By MUSTAFA HAQUE

Title PETROLEUM ENGINEER

Date 01/22/2019

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)

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

Rev 2-19-19

Additional data for EC transaction #447824 that would not fit on the form

Wells/Facilities, continued

| Agreement | Lease | Well/Fac Name, Number | API Number | Location |
|-----------|-----------|------------------------------------|-------------|--|
| NMNM45236 | NMNM45236 | STERLING SILVER MDP1 33-4 FD30-015 | 45390-00-X1 | Sec 33 T23S R31E NWNW 90FNL 939FWL 32.267933 N Lat, 103.788254 W Lon |
| NMNM45236 | NMNM45236 | STERLING SILVER MDP1 33-4 FD30-015 | 45391-00-X1 | Sec 33 T23S R31E NENW 69FNL 2369FWL 32.267994 N Lat, 103.783623 W Lon |
| NMNM45236 | NMNM45236 | STERLING SILVER MDP1 33-4 FD30-015 | 45392-00-X1 | Sec 33 T23S R31E NENW 69FNL 2474FWL 32.267994 N Lat, 103.783287 W Lon |
| NMNM45236 | NMNM45236 | STERLING SILVER MDP1 33-4 FD30-015 | 45335-00-X1 | Sec 33 T23S R31E NWNW 90FNL 834FWL 32.267933 N Lat, 103.788589 W Lon |

32. Additional remarks, continued

if severe hole conditions dictate an additional casing string necessary.

*Oxy requests the option to set casing shallower yet still below the salts if losses or hole conditions require this. Cement volumes may be adjusted if casing is set shallower.

*Oxy requests the option to run production casing with DQX and/or SF TORQ connections to accommodate hole conditions or drilling operations.

Please see attached updated drill plan and specs for more information.

Thank you.

Oxy USA Inc. - Sterling Silver MDP1 33-4 Fed Com 1H, 2H, 3H & 4H Amended Drill Plan

1. Bulk Sundry Details

This is a bulk sundry request for 4 wells in Sterling Silver MDP1 33-4 Fed Com to include a 4 string contingency into our original 3 string design. The wells related to this sundry request are:

| Well Name | API | Lease Number |
|--------------------------------------|--------------|--------------|
| Sterling Silver MDP1 33-4 Fed Com 1H | 30-015-45335 | NMNM45236 |
| Sterling Silver MDP1 33-4 Fed Com 2H | 30-015-45390 | NMNM45236 |
| Sterling Silver MDP1 33-4 Fed Com 3H | 30-015-45391 | NMNM45236 |
| Sterling Silver MDP1 33-4 Fed Com 4H | 30-015-45392 | NMNM45236 |

2. Casing Program

Primary Plan:

| Hole Size (in) | Casing Interval | | Csg. Size (in) | Weight (lbs) | Grade | Conn. | SF | SF Burst | Buoyant | Buoyant |
|-------------------------------|-----------------|---------|----------------|--------------|-------|-------|----------|----------|-----------------|------------------|
| | From (ft) | To (ft) | | | | | Collapse | | Body SF Tension | Joint SF Tension |
| 17.5 | 0 | 474 | 13.375 | 54.5 | J-55 | BTC | 1.125 | 1.2 | 1.4 | 1.4 |
| 12.25 | 0 | 4246 | 9.625 | 43.5 | L-80 | BTC | 1.125 | 1.2 | 1.4 | 1.4 |
| 8.5 | 0 | 20097 | 5.5 | 20 | P-110 | DQX | 1.125 | 1.2 | 1.4 | 1.4 |
| SF Values will meet or Exceed | | | | | | | | | | |

Contingency Plan:

| Hole Size (in) | Casing Interval | | Csg. Size (in) | Weight (lbs) | Grade | Conn. | SF | SF Burst | Buoyant | Buoyant |
|-------------------------------|-----------------|---------|----------------|--------------|---------|---|----------|----------|-----------------|------------------|
| | From (ft) | To (ft) | | | | | Collapse | | Body SF Tension | Joint SF Tension |
| 17.5 | 0 | 474 | 13.375 | 54.5 | J-55 | BTC | 1.125 | 1.2 | 1.4 | 1.4 |
| 12.25 | 0 | 4246 | 9.625 | 43.5 | L-80 | BTC | 1.125 | 1.2 | 1.4 | 1.4 |
| 8.5 | 0 | 9326 | 7.625 | 26.4 | L-80 HC | SF (0 ft to 4000 ft) FJ (4000 ft to 9326 ft) | 1.125 | 1.2 | 1.4 | 1.4 |
| 6.75 | 0 | 20097 | 5.5 | 20 | P-110 | DQX | 1.125 | 1.2 | 1.4 | 1.4 |
| SF Values will meet or Exceed | | | | | | | | | | |

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

*Oxy requests the option to run the 7.625" Intermediate II as a contingency string to be run only if severe hole conditions dictate an additional casing string necessary.

*Oxy requests the option to set casing shallower yet still below the salts if losses or hole conditions require this. Cement volumes may be adjusted if casing is set shallower.

*Oxy requests the option to run production casing with DQX and/or SF TORQ connections to accommodate hole conditions or drilling operations.

Oxy USA Inc. - Sterling Silver MDP1 33-4 Fed Com 1H, 2H, 3H & 4H Amended Drill Plan

3. Cementing Program

Primary plan:

| Casing String | # Sks | Wt. (lb/gal) | Yld (ft ³ /sack) | H2O (gal/sk) | 500# Comp. Strength (hours) | Slurry Description |
|--|-------|-----------------|--------------------------------|-----------------|--------------------------------------|--|
| Surface (Lead) | N/A | N/A | N/A | N/A | N/A | N/A |
| Surface (Tail) | 507 | 14.8 | 1.33 | 6.365 | 5:26 | Class C Cement, Accelerator |
| Intermediate (Lead) | 988 | 12.9 | 1.73 | 8.784 | 15:26 | Pozzolan Cement, Retarder |
| Intermediate (Tail) | 155 | 14.8 | 1.33 | 6.368 | 7:11 | Class C Cement, Accelerator |
| Production 1st Stage (Lead) | 284 | 13.2 | 1.38 | 6.692 | 17:50 | Class H Cement, Retarder, Dispersant, Salt |
| Production 1st Stage (Tail) | 2113 | 13.2 | 1.38 | 6.686 | 3:49 | Class H Cement, Retarder, Dispersant, Salt |
| 2nd Stage Production Lead Slurry to be pumped as Bradenhead Squeeze from surface, down the Production annulus. | | | | | | |
| Production 2nd Stage (Tail) | 903 | 12.9 | 1.872 | 10.11 | 21:54 | Class C Cement, Accelerator |

| Casing String | Top (ft) | Bottom (ft) | % Excess |
|-----------------------------|----------|-------------|----------|
| Surface (Lead) | N/A | N/A | N/A |
| Surface (Tail) | 0 | 474 | 100% |
| Intermediate (Lead) | 0 | 3746 | 50% |
| Intermediate (Tail) | 3746 | 4246 | 20% |
| Production 1st Stage (Lead) | 6393 | 8019 | 5% |
| Production 1st Stage (Tail) | 8019 | 20097 | 5% |
| Production 2nd Stage (Tail) | 0 | 6393 | 25% |

Contingency plan:

| Casing String | # Sks | Wt. (lb/gal) | Yld (ft ³ /sack) | H2O (gal/sk) | 500# Comp. Strength (hours) | Slurry Description |
|--|-------|-----------------|--------------------------------|-----------------|--------------------------------------|--|
| Surface (Lead) | N/A | N/A | N/A | N/A | N/A | N/A |
| Surface (Tail) | 507 | 14.8 | 1.33 | 6.365 | 5:26 | Class C Cement, Accelerator |
| Intermediate (Lead) | 910 | 12.9 | 1.88 | 10.130 | 14:22 | Pozzolan Cement, Retarder |
| Intermediate (Tail) | 155 | 14.8 | 1.33 | 6.370 | 12:45 | Class C Cement, Accelerator |
| Intermediate II 1st Stage (Lead) | N/A | N/A | N/A | N/A | N/A | N/A |
| Intermediate II 1st Stage (Tail) | 65 | 13.2 | 1.65 | 8.640 | 11:54 | Class H Cement, Retarder, Dispersant, Salt |
| Intermediate II 2nd Stage (Tail Slurry) to be pumped as Bradenhead Squeeze from surface, down the Intermediate annulus | | | | | | |
| Intermediate II 2nd Stage (Lead) | N/A | N/A | N/A | N/A | N/A | N/A |
| Intermediate II 2nd Stage (Tail) | 419 | 12.9 | 1.92 | 10.410 | 23:10 | Class C Cement, Accelerator |
| Production (Lead) | N/A | N/A | N/A | N/A | N/A | N/A |
| Production (Tail) | 827 | 13.2 | 1.38 | 6.686 | 3:49 | Class H Cement, Retarder, Dispersant, Salt |

Oxy USA Inc. - Sterling Silver MDP1 33-4 Fed Com 1H, 2H, 3H & 4H Amended Drill Plan

| Casing String | Top (ft) | Bottom (ft) | % Excess |
|----------------------------------|----------|-------------|----------|
| Surface (Lead) | N/A | N/A | N/A |
| Surface (Tail) | 0 | 474 | 100% |
| Intermediate (Lead) | 0 | 3746 | 50% |
| Intermediate (Tail) | 3746 | 4246 | 20% |
| Intermediate II 1st Stage (Lead) | N/A | N/A | N/A |
| Intermediate II 1st Stage (Tail) | 8019 | 9326 | 5% |
| Intermediate II 2nd Stage | N/A | N/A | N/A |
| Intermediate II 2nd Stage (Tail) | 0 | 8019 | 25% |
| Production (Lead) | N/A | N/A | N/A |
| Production (Tail) | 8826 | 20097 | 20% |

4. Mud Program

| Depth | | Type | Weight (ppg) | Viscosity | Water Loss |
|-----------|---------|------------------------------|--------------|-----------|------------|
| From (ft) | To (ft) | | | | |
| 0 | 474 | Water-Based Mud | 8.6-8.8 | 40-60 | N/C |
| 474 | 4246 | Saturated Brine-Based Mud | 9.8-10.0 | 35-45 | N/C |
| 4246 | 9326 | Water-Based or Oil-Based Mud | 8.0-9.6 | 38-50 | N/C |
| 9326 | 20097 | Water-Based or Oil-Based Mud | 8.0-9.6 | 38-50 | N/C |

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times. The following is a general list of products: Barite, Bentonite, Gypsum, Lime, Soda Ash, Caustic Soda, Nut Plug, Cedar Fiber, Cotton Seed Hulls, Drilling Paper, Salt Water Clay, CACL2. Oxy will use a closed mud system.

5. Drilling Conditions

| Condition | Specify what type and where? |
|-------------------------------|------------------------------|
| BH Pressure at deepest TVD | 4976 psi |
| Abnormal Temperature | No |
| BH Temperature at deepest TVD | 160°F |

Attachments

 x Premium Connection Specs

Oxy USA Inc. - Sterling Silver MDP1 33-4 Fed Com 1H, 2H, 3H & 4H Amended Drill Plan

6. Company Personnel

| <u>Name</u> | <u>Title</u> | <u>Office Phone</u> | <u>Mobile Phone</u> |
|--------------------|------------------------------|----------------------------|----------------------------|
| Edgar Diaz-Aguirre | Drilling Engineer | 713-552-8594 | 713-550-2699 |
| Diego Tellez | Drilling Engineer Supervisor | 713-350-4602 | 713-303-4932 |
| Simon Benavides | Drilling Superintendent | 713-522-8652 | 281-684-6897 |
| John Willis | Drilling Manager | 713-366-5556 | 713-259-1417 |

PERFORMANCE DATA

TMK UP SF TORQ™

5.500 in

20.00 lbs/ft

P110 HC

Technical Data Sheet

Tubular Parameters

| | | | | | |
|--------------------|---------|-----------------|------------------------------|---------|-----|
| Size | 5.500 | in | Minimum Yield | 110,000 | psi |
| Nominal Weight | 20.00 | lbs/ft | Minimum Tensile | 125,000 | psi |
| Grade | P110 HC | | Yield Load | 641,000 | lbs |
| PE Weight | 19.81 | lbs/ft | Tensile Load | 728,000 | lbs |
| Wall Thickness | 0.361 | in | Min. Internal Yield Pressure | 12,640 | psi |
| Nominal ID | 4.778 | in | Collapse Pressure | 12,780 | psi |
| Drift Diameter | 4.653 | in | | | |
| Nom Pipe Body Area | 5.828 | in ² | | | |

Connection Parameters

| | | |
|------------------------------|---------|-----------------|
| Connection OD | 5.777 | in |
| Connection ID | 4.734 | in |
| Make-Up Loss | 5.823 | in |
| Critical Section Area | 5.875 | in ² |
| Tension Efficiency | 90.0 | % |
| Compression Efficiency | 90.0 | % |
| Yield Load In Tension | 576,000 | lbs |
| Min. Internal Yield Pressure | 12,640 | psi |
| Collapse Pressure | 12,780 | psi |
| Uniaxial Bending | 83 | °/ 100 ft |

Make-Up Torques

| | | |
|---------------------|--------|--------|
| Min. Make-Up Torque | 15,700 | ft-lbs |
| Opt. Make-Up Torque | 19,600 | ft-lbs |
| Max. Make-Up Torque | 21,600 | ft-lbs |
| Operating Torque | 29,000 | ft-lbs |
| Yield Torque | 36,000 | ft-lbs |

Printed on: February-22-2018

NOTE:

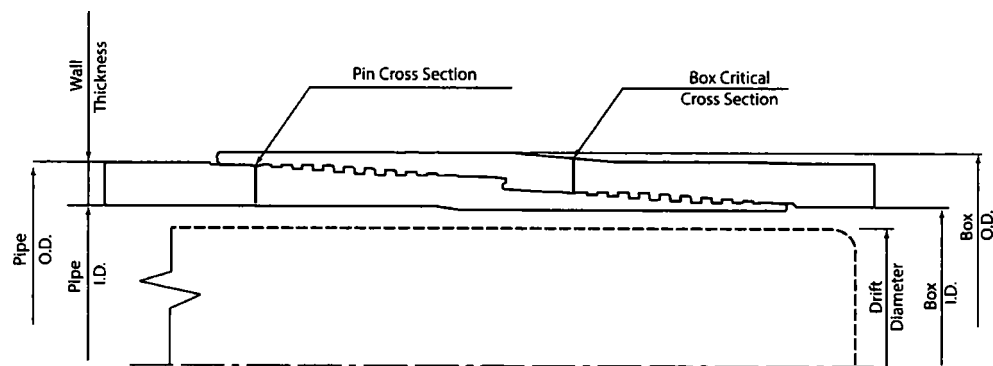
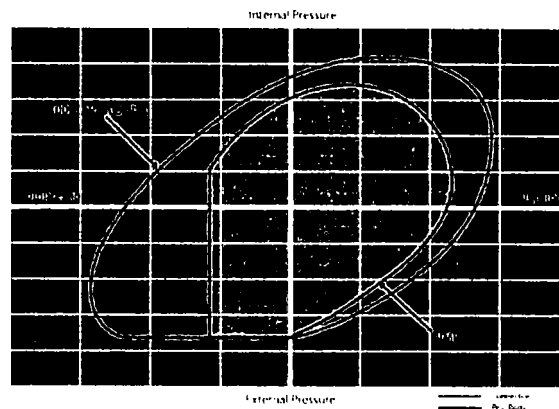
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IPSCO

Print date: 07/10/2018 20:11

| TUBULAR PARAMETERS | | PIPE BODY PROPERTIES | |
|---------------------------------------|----------|-------------------------------------|-------|
| Nominal OD, (inch) | 7.625 | PE Weight, (lbs/ft) | 25.56 |
| Wall Thickness, (inch) | 0.328 | Nominal Weight, (lbs/ft) | 26.40 |
| Pipe Grade | L80 HC | Nominal ID, (inch) | 6.969 |
| Drift | Standard | Drift Diameter, (inch) | 6.844 |
| | | Nominal Pipe Body Area, (sq inch) | 7.519 |
| CONNECTION PARAMETERS | | Yield Strength in Tension, (klbs) | 601 |
| Connection OD (inch) | 7.79 | Min. Internal Yield Pressure, (psi) | 6 020 |
| Connection ID, (inch) | 6.938 | Collapse Pressure, (psi) | 3 910 |
| Make-Up Loss, (inch) | 6.029 | | |
| Connection Critical Area, (sq inch) | 5.948 | | |
| Yield Strength in Tension, (klbs) | 533 | | |
| Yield Strength in Compression, (klbs) | 533 | | |
| Tension Efficiency | 89% | | |
| Compression Efficiency | 89% | | |
| Min. Internal Yield Pressure, (psi) | 6 020 | | |
| Collapse Pressure, (psi) | 3 910 | | |
| Uniaxial Bending (deg/100ft) | 42.7 | | |
| MAKE-UP TORQUES | | | |
| Yield Torque, (ft-lb) | 22 600 | | |
| Minimum Make-Up Torque, (ft-lb) | 15 000 | | |
| Optimum Make-Up Torque, (ft-lb) | 16 500 | | |
| Maximum Make-Up Torque, (ft-lb) | 18 200 | | |



NOTE: The content of this Technical Data Sheet is for general information only and does not guarantee performance or imply fitness for a particular purpose, which only a competent drilling professional can determine considering the specific installation and operation parameters. This information supersedes all prior versions for this connection. Information that is printed or downloaded is no longer controlled by TMK and might not be the latest information. Anyone using the information herein does so at their own risk. To verify that you have the latest technical information, please contact TMK Technical Sales in Russia (Tel. + (495) 775-76-00 Email: techsales@tmk-group.com) and TMK IPSCO in North America (Tel. +1 (281) 949-1044 Email: techsales@tmk-ipso.com).

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

| | |
|-----------------------|--------------------------------------|
| OPERATOR'S NAME: | OXY USA INC. |
| LEASE NO.: | NMNM 045236 |
| WELL NAME & NO.: | Sterling Silver MDP1 33-4 Fed Com 1H |
| SURFACE HOLE FOOTAGE: | 90'/N & 834'/W |
| BOTTOM HOLE FOOTAGE: | 180'/S & 440'/W |
| LOCATION: | SECTION 33, T23S, R31E, NMPM |
| COUNTY: | EDDY |

| | | | |
|----------------------|--|--|--|
| Potash | <input type="radio"/> None | <input type="radio"/> Secretary | <input checked="" type="radio"/> R-111-P |
| Cave/Karst Potential | <input checked="" type="radio"/> Low | <input type="radio"/> Medium | <input type="radio"/> High |
| Variance | <input type="radio"/> None | <input checked="" type="radio"/> Flex Hose | <input type="radio"/> Other |
| Wellhead | <input type="radio"/> Conventional | <input checked="" type="radio"/> Multibowl | |
| Other | <input type="checkbox"/> 4 String Area | <input type="checkbox"/> Capitan Reef | <input type="checkbox"/> WIPP |

All previous COAs still apply except for the following:

A. CASING

- The minimum required fill of cement behind the 7 5/8 inch second intermediate 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 potash.**

Operator has proposed to pump down 9 5/8" X 7 5/8" annulus. Operator must run a CBL from the TD of the 7 5/8" casing to surface.

MHH 01222019

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)

☒ Chaves and Roosevelt Counties

Call the Roswell Field Office, 2909 West Second St., Roswell NM 88201.

During office hours call (575) 627-0272.

After office hours call (575)

☒ Eddy County

Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220,

(575) 361-2822

☒ Lea County

Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575)

393-3612

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, 2) until cement has been in place at least 24 hours. WOC time will be recorded in the driller's log.
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.

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-P potash area, the NMOCD requirements shall be followed.