

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD UCD HOBBS

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

RECEIVED
SEP 17 2008
HOBBS
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 reverse side.

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

2. Name of Operator
ConocoPhillips Company (#217817) ✓

3a. Address 3b. Phone No. (include area code)
3300 N. "A" Street, Bldg. 6, Midland TX 79705 (432)688-6884

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
T-17-S, R-32-E & R-33-E

5. Lease Serial No.

LC-057210

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

MCA ✓

9. API Well No.

30-025- See Attached

10. Field and Pool, or Exploratory Area

Maljamar; Grayburg-San Andres

11. County or Parish, State

Lea
New Mexico ✓

12. CHECK 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"/> Fracture Treat | <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 type="checkbox"/> Other |
| | <input checked="" type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | |
| | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> 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 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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Ref. Bond #ES0085

Referencing Master Drilling Plan on file with the BLM Carlsbad office dated 02/28/2008. ConocoPhillips wishes to submit the attached modifications to the cement program sections of the Master Drilling Plan.

Pg. 7 8-5/8" Surf. Csg. Lead Slurry Density Change from 13.1 to 13.5 ppg
Pg. 7 WOC time change from 24 to 18 hrs.
Pg. 8 5-1/2" Prod. Csg. Tail Slurry Density Change from 16.4 to 14.8 ppg
Pg. 9 5-1/2" Prod. Csg. Tail Slurry Density Change from 16.4 to 14.8 ppg
Pg. 11 5-1/2" Prod. Csg. Tail Slurry Density Change from 16.4 to 14.8 ppg

Updated pages are attached for your convenience to insert into the master document.

Your consideration given this request is greatly appreciated.

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

Celeste G. Dale

Title Regulatory Specialist

Signature

Celeste G. Dale

Date 06/16/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

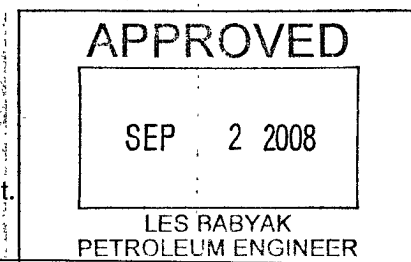
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

KZ

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)



RBDMS NEW MEXICO XP

[Edit](#)
[Inquiry](#)
[Switchboard](#)
[User Queries](#)
[Refresh Data](#)


API Well Number :

OGRID Name :

Property Name :

Pool Name :

County :

Well Type :

Well Status :

Permit :



Section

Land:



Township

Dir.



Range

Dir.

Company



Inspection



Well Master

Scheduler

Mech Int. Tests

Well History

Data Action

Inactive Detail

Env. Inspections

Admin Permits

Inactive Mgt

Incidents



Hearing Orders

R U N



G I S

Pool Master

Compliance

Surf Facilities

*Close all
Functions
and Exit
RBDMS*

Clear Criteria Fields

 Make User Table for Group
Inspection, 'Sync',
Schedule Prevent, Etc!

Quick



Print

Apply Selection Criteria

WELL FILTER SUB FORM

| API WELL # | Well Name | Well # | Operator Name | Type | Stat. | County | Surf | UL | Se |
|--------------------|-----------|--------|---------------------|------|-------|--------|------|----|----|
| 30-025-38988-00-00 | MCA UNIT | 421 ✓ | CONOCOPHILLIPS COMP | O | | Lea | F | P | |
| 30-025-38989-00-00 | MCA UNIT | 420 ✓ | CONOCOPHILLIPS COMP | O | | Lea | F | A | |
| 30-025-38987-00-00 | MCA UNIT | 419 ✓ | CONOCOPHILLIPS COMP | O | | Lea | F | M | |
| 30-025-38986-00-00 | MCA UNIT | 418 ✓ | CONOCOPHILLIPS COMP | O | | Lea | F | M | |
| 30-025-38985-00-00 | MCA UNIT | 417 ✓ | CONOCOPHILLIPS COMP | O | | Lea | F | M | |
| 30-025-38984-00-00 | MCA UNIT | 416 ✓ | CONOCOPHILLIPS COMP | O | | Lea | F | N | |
| 30-025-38983-00-00 | MCA UNIT | 415 ✓ | CONOCOPHILLIPS COMP | O | | Lea | F | N | |
| 30-025-38982-00-00 | MCA UNIT | 414 ✓ | CONOCOPHILLIPS COMP | O | | Lea | F | O | |
| 30-025-38981-00-00 | MCA UNIT | 413 ✓ | CONOCOPHILLIPS COMP | O | | Lea | F | B | |
| 30-025-38980-00-00 | MCA UNIT | 412 ✓ | CONOCOPHILLIPS COMP | O | | Lea | F | B | |
| 30-025-38856-00-00 | MCA UNIT | 411 ✓ | CONOCOPHILLIPS COMP | O | | Lea | F | C | |
| 30-025-38979-00-00 | MCA UNIT | 410 ✓ | CONOCOPHILLIPS COMP | O | | Lea | F | O | |
| 30-025-38978-00-00 | MCA UNIT | 409 ✓ | CONOCOPHILLIPS COMP | O | | Lea | F | L | |
| 30-025-38977-00-00 | MCA UNIT | 408 ✓ | CONOCOPHILLIPS COMP | O | | Lea | F | P | |
| 30-025-38938-00-00 | MCA UNIT | 407 ✓ | CONOCOPHILLIPS COMP | O | A | Lea | F | L | |
| 30-025-38860-00-00 | MCA UNIT | 406 ✓ | CONOCOPHILLIPS COMP | O | | Lea | F | D | |
| 30-025-38859-00-00 | MCA UNIT | 405 ✓ | CONOCOPHILLIPS COMP | O | | Lea | F | C | |
| 30-025-38975-00-00 | MCA UNIT | 404 ✓ | CONOCOPHILLIPS COMP | O | | Lea | F | M | |
| 30-025-37940-00-00 | MCA UNIT | 403 ✓ | CONOCOPHILLIPS COMP | O | | Lea | F | G | |
| 30-025-38855-00-00 | MCA UNIT | 402 ✓ | CONOCOPHILLIPS COMP | O | | Lea | F | L | |
| 30-025-38974-00-00 | MCA UNIT | 401 ✓ | CONOCOPHILLIPS COMP | O | | Lea | F | F | |
| 30-025-38973-00-00 | MCA UNIT | 400 ✓ | CONOCOPHILLIPS COMP | O | | Lea | F | L | |
| 30-025-38972-00-00 | MCA UNIT | 399 ✓ | CONOCOPHILLIPS COMP | O | | Lea | F | K | |
| 30-025-38971-00-00 | MCA UNIT | 398 ✓ | CONOCOPHILLIPS COMP | O | | Lea | F | C | |
| 30-025-37939-00-00 | MCA UNIT | 397 | CONOCOPHILLIPS COMP | O | A | Lea | F | E | |
| 30-025-37976-00-00 | MCA UNIT | 396 | CONOCOPHILLIPS COMP | O | A | Lea | F | L | |
| 30-025-37900-00-00 | MCA UNIT | 395 | CONOCOPHILLIPS COMP | O | A | Lea | F | E | |
| 30-025-37931-00-00 | MCA UNIT | 394 | CONOCOPHILLIPS COMP | O | A | Lea | F | D | |
| 30-025-37870-00-00 | MCA UNIT | 393 | CONOCOPHILLIPS COMP | O | A | Lea | F | H | |
| 30-025-38854-00-00 | MCA UNIT | 392 ✓ | CONOCOPHILLIPS COMP | O | | Lea | F | K | |
| 30-025-38853-00-00 | MCA UNIT | 391 ✓ | CONOCOPHILLIPS COMP | O | | Lea | F | H | |
| 30-025-38852-00-00 | MCA UNIT | 390 ✓ | CONOCOPHILLIPS COMP | O | | Lea | F | E | |
| 30-025-35142-00-00 | MCA UNIT | 387 | CONOCOPHILLIPS COMP | O | A | Lea | F | K | |
| 30-025-34100-00-00 | MCA UNIT | 386 | CONOCOPHILLIPS COMP | I | A | Lea | F | F | |
| 30-025-30731-00-00 | MCA UNIT | 385 | CONOCOPHILLIPS COMP | O | P | Lea | F | O | |
| 30-025-30491-00-00 | MCA UNIT | 384 | CONOCOPHILLIPS COMP | O | A | Lea | F | E | |

4. Proposed cementing program:

For the cementing program a range is presented for the number of sacks of cement and for the bottom, top, and length of the lead slurries and tail slurries due to the variation in formation tops and planned TD for the planned / contemplated wells for which this Master Drilling Plan is intended.

13-3/8" Conductor:

Cement to surface with ready mix or Class C Neat cement. TOC at surface.

8-5/8" Surface Casing:

The intention for the cementing program for the Surface Casing is to:

- Place the Tail Slurry from the casing shoe to 300' above the casing shoe,
- Bring the Lead Slurry to surface.

Spacer: 20 bbls Fresh Water

| Lead Slurry | | | | | | | | |
|---|-------------------|----------------|------------------|------------------|--------------------|-------------------|---|---|
| Volume (sx) & Recipe & Excess % | Bottom (ft MD) | Top (ft MD) | Length (ft) | Density (ppg) | Yield (cuft/sx) | Mix Wtr gal/sx | Compressive Strengths @ 85 deg F by UCA Method | |
| 185 – 535 sx Class C + 6% bentonite + 2% CaCl ₂ + 0.125% Polyflake | 325 to 940 | Surface | 325 to 940 | 13.5 | 1.96 | 10.69 | Time 12 hrs 18 hrs 24 hrs | Strength 316 psi 417 psi 506 psi |
| Excess = 170% | | | | | | | | |

| Tail Slurry | | | | | | | | |
|---|---------------------|--------------------|----------------|------------------|--------------------|-------------------|--|--|
| Volume (sx) & Recipe & Excess % | Bottom (ft MD) | Top (ft MD) | Length (ft) | Density (ppg) | Yield (cuft/sx) | Mix Wtr gal/sx | Compressive Strengths @ 91 deg F by UCA Method | |
| 220 sx Class C + 2% CaCl ₂ + 0.125% Polyflake | 625' to 1240' | 325' to 940' | 300' | 14.8 | 1.35 | 6.36 | Time 3 hrs 9 hrs 12 hrs 24 hrs 48 hrs | Strength 50 psi 500 psi 793 psi 1266 psi 2183 psi |
| Excess = 100% | | | | | | | | |

Displacement: Fresh Water

Note: In accordance with the Pecos District Conditions of Approval, we will Wait on Cement (WOC) for a period of not less than 18 hrs after placement of the cement on the Surface Casing in order to achieve at least 500 psi compressive strength in both the Lead Slurry and Tail Slurry cements prior to drilling out of the Surface Casing.

5-1/2" Production Casing Cementing Program - Single Stage Cementing Option:

The intention for the cementing program for the Production Casing – Single Stage Cementing Option is to:

- Place the Tail Slurry from the casing shoe to the top of the Grayburg formation,
- Bring the Lead Slurry to surface.

Spacer: 20 bbls Fresh Water with an option to follow this with 1000 gallons SuperFlush 102 and 20 additional bbls Fresh Water.

| Lead Slurry | | | | | | | | |
|---|----------------------|----------------|----------------------|------------------|--------------------|-------------------|--|--|
| Volume (sx) & Recipe & Excess % | Bottom (ft MD) | Top (ft MD) | Length (ft) | Density (ppg) | Yield (cuft/sx) | Mix Wtr gal/sx | Compressive Strengths @ 113 deg F by Crush Method | |
| 433 – 644 sx 50% Class C 50% POZ + 10% bentonite + 8 lb/sx Salt + 0.2% Fluid Loss Additive + 0.125% Polyflake | 3270' to 3940' | Surface | 3270' to 3940' | 11.8 | 2.55 | 14.88 | Time 12 hrs 24 hrs 48 hrs 72 hrs | Strength 100 psi 200 psi 245 psi 310 psi |
| Excess = 88% - 135% (based on caliper if available) | | | | | | | | |

| Tail Slurry (this is a CO ₂ resistant cement) | | | | | | | | |
|---|----------------------|----------------------|--------------------|------------------|--------------------|-------------------|--|---|
| Volume (sx) & Recipe & Excess % | Bottom (ft MD) | Top (ft MD) | Length (ft) | Density (ppg) | Yield (cuft/sx) | Mix Wtr gal/sx | Compressive Strengths @ 115 deg F by UCA Method | |
| 150 – 285 sx 65% Class C 35% POZ + 0.4% Dispersant | 4155' to 4705' | 3270' to 3940' | 636' to 885' | 14.8 | 0.98 | 3.76 | Time 5 hrs 56 min 8 hrs 12 min 24 hrs 48 hrs 72 hrs | Strength 50 psi 500 psi 2806 psi 4690 psi 5661 psi |
| Excess = 26% - 83% (based on caliper if available) | | | | | | | | |

Displacement: 2% KCL water with approximately 250 ppm gluteraldehyde biocide.

5-1/2" Production Casing Cementing Program - Two-Stage Cementing Option (for Loss of Circulation Events):

We propose an option to use the two-stage cementing method for cementing the production casing if any loss of circulation events or heavy seepage is experienced while drilling the 7-7/8" hole. (see discussion in Item 3 above). The proposed two-stage cementing program would be as follows:

- Stage 1: Would place cement from the casing shoe to the stage tool.
- Stage 2: Would place cement from the stage tool to Surface.

Stage 1:

Spacer: 20 bbls Fresh Water with an option to follow this with 1000 gallons SuperFlush 102 and 20 additional bbls Fresh Water

Stage 1 – Lead Slurry: None

| Stage 1 – Tail Slurry | | | | | | | | |
|---|----------------------|----------------------|--------------------|------------------|--------------------|-------------------|--|---|
| Volume (sx) & Recipe & Excess % | Bottom (ft MD) | Top (ft MD) | Length (ft) | Density (ppg) | Yield (cuft/sx) | Mix Wtr gal/sx | Compressive Strengths @ 113 deg F by Crush Method | |
| 150 – 285 sx 65% Class C 35% POZ + 0.4% Dispersant | 4155' to 4705' | 3270' to 3940' | 636' to 885' | 14.8 | 0.98 | 3.76 | Time 5 hrs 56 min 8 hrs 12 min 24 hrs 48 hrs 72 hrs | Strength 50 psi 500 psi 2806 psi 4690 psi 5661 psi |
| Excess = 26% - 83% based on caliper if available | | | | | | | | |

Displacement: A volume of Fresh Water equal to the capacity volume from the stage tool to the float collar, followed by brine based mud.

5-1/2" Production Casing Cementing Program – Two-Stage Cementing Option with Stage Tool and External Casing Packers (for Water Flow Events):

We propose an option to use the two-stage cementing method with a Stage Tool and two each External Casing Packers if any waterflow event is experienced while drilling the 7-7/8" hole as discussed above in Item 3. The proposed two-stage cementing program would be as follows:

- Stage 1: Would place cement from the casing shoe to the stage tool
- Stage 2: Would place cement from the stage tool to Surface.

Stage 1:

Spacer: 20 bbls Fresh Water with an option to follow this with 1000 gallons SuperFlush 102 and 20 additional bbls Fresh Water

| Stage 1 – Lead Slurry | | | | | | | | |
|--|----------------------|----------------------|---------------------|------------------|--------------------|-------------------|--|--|
| Volume (sx) & Recipe & Excess % | Bottom (ft MD) | Top (ft MD) | Length (ft) | Density (ppg) | Yield (cuft/sx) | Mix Wtr gal/sx | Compressive Strengths @ 113 deg F by Crush Method | |
| 77 – 363 sx 50% Class C 50% POZ + 10% bentonite + 8 lb/sx Salt + 0.2% Fluid Loss Additive + 0.125% Polyflake | 3270' to 3940' | 1670' to 3440' | 500' to 1600' | 11.8 | 2.55 | 14.88 | Time 12 hrs 24 hrs 48 hrs 72 hrs | Strength 100 psi 200 psi 245 psi 310 psi |
| Excess = 126% - 234% based on caliper if available | | | | | | | | |

| Stage 1 – Tail Slurry | | | | | | | | |
|---|----------------------|----------------------|--------------------|------------------|--------------------|-------------------|--|---|
| Volume (sx) & Recipe & Excess % | Bottom (ft MD) | Top (ft MD) | Length (ft) | Density (ppg) | Yield (cuft/sx) | Mix Wtr gal/sx | Compressive Strengths @ 113 deg F by Crush Method | |
| 150 – 285 sx 65% Class C 35% POZ + 0.4% Dispersant | 4155' to 4705' | 3270' to 3940' | 636' to 885' | 14.8 | 0.98 | 3.76 | Time 5 hrs 56 min 8 hrs 12 min 24 hrs 48 hrs 72 hrs | Strength 50 psi 500 psi 2806 psi 4690 psi 5661 psi |
| Excess = 26% - 83% based on caliper if available | | | | | | | | |

Displacement: A volume of Fresh Water equal to the capacity volume from the stage tool to the float collar, followed by brine based mud.