

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**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.  
NMLC057210

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

7. If Unit or CA/Agreement, Name and/or No.  
8920003410

8. Well Name and No.  
MCA UNIT 274

9. API Well No.  
30-025-23731-00-S1

10. Field and Pool, or Exploratory  
MALJAMAR

11. County or Parish, and State  
LEA COUNTY, NM

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
CONOCOPHILLIPS COMPANY  
Contact: RHONDA ROGERS  
E-Mail: rogers@conocophillips.com

3a. Address  
MIDLAND, TX 79710

3b. Phone No. (include area code)  
Ph: 432-688-9174

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 28 T17S R32E NENE 1295FNL 1295FEL

**HOBBS OCD  
MAR 09 2015  
RECEIVED**

**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 checked="" type="checkbox"/> Other
	<input 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 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 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 recompletion 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.)

ConocoPhillips would like to add pay to the upper Grayburg per attached procedures.

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

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

**Electronic Submission #250812 verified by the BLM Well Information System  
For CONOCOPHILLIPS COMPANY, sent to the Hobbs  
Committed to AFMSS for processing by LINDA JIMENEZ on 10/08/2014 (15LJ0008SE)**

Name (Printed/Typed) RHONDA ROGERS Title STAFF REGULATORY TECHNICIAN

Signature (Electronic Submission) Date 06/25/2014

**APPROVED**

MAR 31 2015

/s/ Chris Wells

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By \_\_\_\_\_ Title \_\_\_\_\_

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.

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

MAR 10 2015



MCA 274

API# 30-025-23731

OBJECTIVE OF THIS WORK

**Current Well Category: Category 1** This well is incapable of flowing at rates greater than 500 MCFD. The barrier requirements are: *one untested barrier*.

**BOPE Class: Class 2** The well will require Class 2 BOP or better, preferably Hydraulic

Procedure: upper grayburg add pay

1. Before the arrival of the rig, kill the well with fresh water.(turn off BPU)
2. Before the frac date, spot 14 clean 500 bbl frac tanks
3. Make sure project supervisor has casing collar log on location
4. Conduct safety meeting with JSA with all personnel and contractors on location
5. Move in Rig up pulling unit.
6. Pull out of hole with rods & pump, inspect rods for wear and replace as necessary. Send rods to TRC for inspection & pump to Don Nan. Inspection report to be sent to engineer
7. Nipple down well head, Nipple up BOP, & pull out of hole with production tubing, laying down tubing on tubing racks. Send tubing to tuboscope for inspection. Inspection report to be sent to engineer.
8. Pick up & Run in Hole with 120 joints of 2-7/8", N-80, 6.5 lb/ft work string and 10K CBP set CBP at 3750 ft, (uppermost grayburg perforation is at 3783ft). Pressure test the work string to 6500psi. **check casing collar log to make sure we do not set plug on a collar**
9. Close pipe rams and Test Bridge plug to 500psi surface pressure (2100 psi BHP). If it holds then proceed, if it doesn't reset 10K CBP (**check casing collar log to make sure we are not on a collar**)
10. Raise work string to 3700ft (119 joints), spot 700 gals of 15% NE Fe HCL, acid column (3000ft-3700ft) perforations (3493ft-3693ft)
11. Pull out of hole laying down the work string,
12. Rig up perforating Services
13. Perforate at the below depths. **Perforate at the uppermost perms first**

MCA 274

**Perforating gun required: 4 titan gun super deep penetrating EXP-4539-324T (charge size: 40g, hole size: 0.52 & hole length: 52.13 )**

Zone	Top perf (ftMD)	Base perf (ftMD)	ft	SPF	shots	phase angle
Z3	3493	3498	4	2	9	120
	3517	3521	3	2	7	120
	3536	3541	5	2	9	120
Z4	3582	3589	8	2	15	120
Z5	3642	3647	4	2	9	120
	3667	3671	5	2	9	120
	3690	3693	3	2	6	120

Rig down perforating services. Rig up Frac Provider

14. Nipple up 10k Frac stack and Frac service provider

- Set treating lines pop off 6500psi
- Set pump trips 6300 psi
- Test surface lines 7000psi

#### STAGE 1

- Run in hole with 117 joints of 3-1/2", L-80 , 9.3lb/ft work string, RBP and treating packer
- Set RBP at 3710 ft, set treating packer at 3630 ft
- Test work string to 6500 psi running in the hole
- Use the pump schedule below to prop frac grayburg zone 5 (3642 ft-3693ft) down work string with treating packer

15. Record ISIP, 5 min, 10 min and 15 mins in well view

#### STAGE 2

- Release RBP and packer
- Reset RBP at 3600 ft and treating packer at 3560ft
- Use the pump schedule below to prop frac grayburg 4 (3582ft – 3589ft) down work string and treating packer.

#### STAGE 3

- Release RBP and packer
- Reset RBP at 3555 ft and treating packer at 3450 ft
- Use the pump schedule below to prop frac grayburg 3 (3493 ft – 3541 ft) down work string and packer

16. Pull out of hole with work string, treating packer and RBP
17. Rig down CUDD energy services, rig down rig and release rig
18. **Let resin coated sand (CRC-20/40) sit for 24 hours till we flow back**
19. **Flow back the well till its dead (FYI MCA 508 flowed back for two weeks and it was completed in the same zone)**
20. Move in with Rig and Rig up.
21. Pick up & run in hole with 2-7/8", N-80, 6.5lb/ft work string, 6 Drill collars (28 lb/ft) & 4-3/4" bit and Tag for Fill. PBD=3750ft. if we lose weight on string before PBD, note depth in well view
22. Drill out 10K CBP at 3750 ft with 10 ppg brine. PE will use ISIP information in well view to recommend how many Drill collars and fluid weight will be needed to drill out CBP.
23. **Project lead should contact production engineer Michael Sendze 432 238 9181, 432 688 9187 for specific recommendations to drill out CBP.**

CBP Depth: ft.	Pressure: psi		Force Across CBP: lbs			Buoyant String Wt: lbs	String Wt Less Differential: lbs
	surface	BHP	Below	Above	Differential		
3750	1,000	2,624	49,316	36,638	12,677	23,953	<b>If negative: Do Not Drill Out CBP</b> 11,276

**Figure 1: just as example**

24. Once plugs are drilled out, clean out the well at PBD=4110 ft for two hours. i.e. until we have clean returns to surface
25. Pull out of hole with work string & bit.
26. Pick up & Run in hole with 2-7/8 J-55 production tubing &, test production tubing to 5000 psi. Pump 5 gal of corrosion inhibitor
27. Nipple down BOP, Run in hole with New Rods and Pump. (see pre-pull attached on the next page)
28. Space out pump, hang well on, Turn on BPU & Test pump action; wait for tubing to pressure up then shut down pump. **Rig down & Release rig**
29. Shut in well for 48 hours.
30. Place well on test.
31. Please obtain static fluid level.

BUREAU OF LAND MANAGEMENT  
Carlsbad Field Office  
620 East Greene Street  
Carlsbad, New Mexico 88220  
575-234-5972

**Permanent Abandonment of Production Zone Conditions of Approval**

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within **ninety (90)** days from this approval.

**If you are unable to plug back the well by the 90<sup>th</sup> day provide this office, prior to the 90<sup>th</sup> day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged back. Failure to do so will result in enforcement action.**

2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plug back operations. For wells in Eddy County, call 575-361-2822. For wells in Lea County, call 575-393-3612

3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of brine water. Minimum nine (9) pounds per gallon.

5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient. **Before pumping or bailing cement on top of CIBP, tag will be required to verify depth.**

Unless otherwise specified in the approved procedure, the cement plug shall consist of either **Neat Class "C"**, for up to 7,500 feet of depth or **Neat Class "H"**, for deeper than 7,500 feet plugs.

6. **Subsequent Plug back Reporting:** Within 30 days after plug back work is completed, file one original and three copies of the Subsequent Report, Form 3160-5 to BLM. The report should give in detail the manner in which the plug back work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date work was completed.**

7. Trash: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.