

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

RECEIVED

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

JAN 22 2009

HOBBSOCD

WELL API NO.

30-025-30759

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

31158

7. Lease Name or Unit Agreement Name

Vacuum Abo Unit, Battery 4, Tract 7

8. Well Number

05

9. OGRID Number

217817

10. Pool name or Wildcat

Vacuum Abo Reef

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

ConocoPhillips Company ATTN: Celeste Dale

3. Address of Operator

3303 N. "A" Street, Bldg. 6 #247, Midland, Texas 79705-5406

4. Well Location

Unit Letter: P : 850 feet from the South line and 850 feet from the East line.

Section 27

Township 17-S

Range 35-E

NMPM

County Lea

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

3,925' GL 3,940' RKB

Pit or Below-grade Tank Application ☐ or Closure ☒

Pit type STEEL Depth to Groundwater Distance from nearest fresh water well Distance from nearest surface water N/A

Pit Liner Thickness: STEEL mil Below-Grade Tank: Volume 180 bbls; Construction Material STEEL

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 ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ P AND A ☐

CASING/CEMENT JOB ☐

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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

SEE ATTACHED PROPOSED PLUGGING PROCEDURE AND WELLBORE DIAGRAMS

The Oil Conservation Division **Must be notified**
24 hours prior to the beginning of plugging operations

REVISED!

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOC guidelines ☒, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Chris Blanton TITLE P&A Technician (Basic Energy Services) DATE 01/19/2009

Type or print name: Chris Blanton E-mail address: chris.blanton@basicenergyservices.com Telephone No. 432-687-1994

For State Use Only

APPROVED BY: [Signature] TITLE DISTRICT 1 SUPERVISOR DATE 3-6-2009

Conditions of Approval (if any)

ConocoPhillips Company
Vacuum Abo Unit, Battery 4, Tract 7, Well #05
API #30-025-30759
Vacuum (Abo Reef) Field
Lea County, New Mexico

RECEIVED

MAR 06 2009

HOBBSOCD

Proposed Plugging Procedure

See attached wellbore diagrams for wellbore configuration

Casings: 13 $\frac{3}{8}$ " 54.5# K-55 casing @ 1,640', cmt'd w/ 1,500 sx, circulated
8 $\frac{5}{8}$ " 32 & 24# J&K-55 casing @ 5,100' cmt'd w/ 2,800 sx, circulated
5 $\frac{1}{2}$ " 14, 15.5, & 17# J-55 casing @ 8,900' cmt'd w/ 1,100 sx, TOC 3,980' by T.S.

Perforations: 8,700 – 8,740'
8,686 – 8,754', sqz'd w/ 200 sx cmt
CIBP @ 8,636' w/ 51' of cmt
8,550 – 8,640', sqz'd w/ 100 sx cmt
CIBP @ 8,517'
8,400 – 8,498', sqz'd w/ 300 sx cmt

Tubulars: none expected

- Contact NM DIGTESS (1-800-321-2537) minimum 48 hrs prior to move-in
- Notify NMOCD 48 hrs prior to move in, and 4 hrs prior to plugs
- Document daily tailgate safety meetings w/ crews
- Observe ConocoPhillips 10 – 2 – 4 work break program

2 $\frac{3}{8}$ " 4.7# EUE tubing casing capacity = 0.00387 bbls/ft
5 $\frac{1}{2}$ " 14# casing capacity = 0.0244 bbls/ft = 7.299 ft/ft³
8 $\frac{5}{8}$ " 24# casing capacity = 0.0637 bbls/ft = 2.7964 ft/ft³
13 $\frac{3}{8}$ " 54.5# casing capacity = 0.1546 bbls/ft = 1.152 ft/ft³

1. Set steel pit, MIRU plugging equipment.
2. ND wellhead and NU 6" 5,000# hydraulic BOP.
3. RIH w/ 2 $\frac{3}{8}$ " workstring tubing, tag CIBP @ 8,517'. RU cementer and displace hole w/ 100 bbls plugging mud. Pump 25 sx C cmt 8,517 – 8,277' (1.32 ft³/sk yield, 33.0 ft³ slurry volume, calculated fill 240' in 5 $\frac{1}{2}$ " 14# casing), displacing w/ plugging mud. PUH w/ tubing and WOC minimum 3 hours. RIH w/ tubing and tag cement no deeper than 8,300'. PUH laying down tubing to 6,876'. **Abo Plug**
4. Load hole w/ plugging mud and pump 25 sx C cmt 6,876 – 6,636' (1.32 ft³/sk yield, 33.0 ft³ slurry volume, calculated fill 240' in 5 $\frac{1}{2}$ " 14# casing) displacing w/ plugging mud. PUH w/

tubing and WOC minimum 3 hours. RIH w/ tubing and tag cement no deeper than 6,776', PUH laying down tubing to 6,130'. **DV Tool Plug**

5. Load hole w/ plugging mud and pump 25 sx C cmt 6,130 – 5,890' (1.32 ft³/sk yield, 33.0 ft³ slurry volume, calculated fill 240' in 5½" 14# casing) displacing w/ plugging mud. PUH laying down tubing to 5,150'. **Paddock/Glorietta Plug**
6. Load hole w/ plugging mud and pump 25 sx C cmt 5,150 – 4,910' (1.32 ft³/sk yield, 33.0 ft³ slurry volume, calculated fill 240' in 5½" 14# casing) displacing w/ plugging mud. PUH w/ tubing and WOC minimum 3 hours. RIH w/ tubing and tag cement no deeper than 5,050', PUH laying down tubing to 4,325. **Casing shoe plug**
7. Load hole w/ plugging mud and pump 25 sx C cmt 4,325 – 4,112' (1.32 ft³/sk yield, 33.0 ft³ slurry volume, calculated fill 244' in 5½" 14# casing) displacing w/ plugging mud. PUH laying down tubing to 1,690'. **San Andres Plug**
8. RU & test lubricator to 1,500 psi. RIH w/ wireline and perforate 5½ & 8⅝" casing @ 1,690'. POOH w/ wireline. RD lubricator.
9. RIH w/ AD-1 packer to 1,290'. Load hole w/ plugging mud, set packer, and establish rate into perforations at 1,000 psi or less. Squeeze 35 sx C cmt 1,690 – 1,561' (1.32 ft³/sk yield, 46.2 ft³ slurry volume, calculated fill 129' in 8⅝" 24# casing) displacing w/ plugging mud, WOC. PUH w/ packer to 300' laying down tubing. **Surface casing shoe plug**
10. RU & test lubricator to 1,500 psi. RIH w/ wireline tag cement no deeper than 1,590', PUH and perforate 5½ & 8⅝" casing @ 500'. POOH w/ wireline. RD lubricator.
11. Load hole w/ plugging mud, set packer, and establish rate into perforations at 1,000 psi or less. Squeeze 35 sx C cmt 500 – 371' (1.32 ft³/sk yield, 46.2 ft³ slurry volume, calculated fill 129' in 8⅝" 24# casing) displacing w/ plugging mud, POOH w/ packer laying down tubing. **Freshwater Plug**
12. RU & test lubricator to 1,500 psi. RIH w/ wireline and perforate 5½ & 8⅝" casing @ 60'. POOH w/ wireline. RD lubricator.
13. ND BOP and NU wellhead, establish circulation thru perforations at 60' and circulate 25 sx C cmt 60' to surface (1.32 ft³/sk yield, 33 ft³ slurry volume, calculated fill 92' in 8⅝" 24# casing). Top off wellbore w/ 5 sx C cmt if surface plug did not circulate. **surface plug**
14. RDMO location.
15. Cut off wellhead and anchors, install dry hole marker. Level location. Leave location clean and free of trash.

PROPOSED PLUGGED WELLBORE SKETCH
ConocoPhillips Company -- Lower 48 Mid-Continent BU Permian Operations

Date: 1/19/2009

RKB @ 3940 4'
 DF @ 3939 4'
 GL @ 3925 4'

Subarea Buckeye
 Lease & Well No Vacuum Abo Unit , Battery 4, Tract 7, Well 05
 Legal Description 850' FSL & 850' FEL, Sec 27, T17S, R35E
 County Lea State New Mexico
 Field Vacuum (Abo Reef)
 Date Spudded Feb 2, 1990 Rig Released Feb 26, 1990
 API Number 30-025-30759
 Status Proposed Plugged
 State Lease B-1404-4

Stimulation History:

Interval	Date	Type	Gals	Lbs. Sand	Max Press	ISIP	Max Rate	Max Down
13-3/8" 54.5# K-55 ST&C @ 1640'								
Cmt'd w/1,500 sx Class C								
Circulate 500 sx cmt to pit								
TOC @ Surface								
Perf & sqz 35 sx C cmt w/ 2% CaCl2 @ 1,690 - 1,561' WOC & TAG								
8686-8754	3/27/90	Perforate 8686-8754, 2 jsp (select fire)						
8686-8754	3/28/90	15% NEFE HCl	2,000		1500			
8686-8754	3/30/90	15% NEFE HCl	2,500		Vac	Vac	3 0	
8686-8754	4/4/90	15% NEFE HCl	4,000		Vac	Vac	2 7	
4/6/90 Perforate 8550-8640, 2 jsp (select fire)								
4/11/90 Tracer Survey 8550-8582 - taking water								
4/18/90 Squeeze perms 8550-8754 w/100 sx cmt								
4/19/90 Re-Sqz perms 8550-8754 w/200 sx cmt								
4/24/90 Perforate 8400-8498, 2 jsp (select fire)								
8400-8498	4/26/90	15% NEFE HCl	4,500		3450	Vac	2 0	
5/3/90 Sqz perms 8400-8498 w/300 sx cmt, clean out to 8856'								
5/8/90 Re-Perforate 8700-8740 (select fire) 46 shots								
8700-8740	5/9/90	15% NEFE HCl	1,000					
12/5/90 Re-Sqz Perfs 8400-8640 w/200 sx cmt; cleanout to 8655'								
8700-8740	1/12/91	15% NEFE HCl	1,500		Vac	Vac		
7/4/91 Drill 2 - 10' HZ Drainholes; 1 @ 8725' & 1 @ 8715'								
8700-8740	12/13/91	15% NEFE HCl	500		0	0	1 0	
6/15/94 Set 5-1/2" CIBP @ 8636'								
11/20/01 Dump 51' cmt on top of CIBP @ 8636'; tag TOC @ 8580'								
11/26/01 Set 5-1/2" CIBP @ 8517'								

TOC 5-1/2" Csg @ 3980' (T.S.)

Pump 25 sx C cmt @ 4,325 - 4,112"

12-1/4" Hole
 8-5/8" 32# J-55 & K-55 & 24# J-55 @ 5100'
 Cmt'd w/ 2,800 sx lead cmt
 w/ 150 sx tail cmt, circ 800 sx to pit

TOC @ Surface
 Pump 25 sx C cmt w/ 2% CaCl2 @ 5,150 - 4,910' WOC & TAG

Pump 25 sx C cmt w/ 2% CaCl2 @ 6,876 - 6,636' WOC & TAG
 DV Tool @ 6826'

Pump 25 sx C cmt @ 8,517 - 8,277'
 8400-8414 8426-8432 }
 8444-8454 8459-8461 } Sqz'd w/300 sx
 8472-8498 }

5-1/2" CIBP @ 8517'

8400-8640 Re-Sqz'd w/200 sx

8550-8582 8592-8595 } Sqz'd w/100 sx
 8606-8614 8634-8640 }
 5-1/2" CIBP @ 8636'; TOC @ 8580'
 8686-8696 8700-8754 } Re-Sqz w/200 sx
 8700-8702 8713-8717
 8734-8740

7-7/8" Hole
 5-1/2" 17# J-55, 15.5# J-55 & 14# J-55 @ 8900'
 Cmt'd Stage 1 - 650 sx, circ 212 sx
 Stage 2 450 sx, did not circulate
 TOC @ 3980' (T S)

PBTD 8517'
 TD 8900'

Proposed Plugs



- 1) TAG CIBP
- 2) Pump 25 sx C cmt @ 8,517 - 8,277'
- 3) Pump 25 sx C cmt w/ 2% CaCl2 @ 6,876 - 6,636' WOC & TAG
- 4) Pump 25 sx C cmt w/ 2% CaCl2 @ 5,150 - 4,910' WOC & TAG
- 5) Pump 25 sx C cmt @ 4,325 - 4,112"
- 6) Perf & sqz 35 sx C cmt w/ 2% CaCl2
- 7) Perf & Sqz 25 sx C cmt @ 60' - surface
- 8) Top off wellbore if needed