

Office

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

Energy, Minerals and Natural Resources

May 27, 2004

RECEIVED

JAN 20 2009

HOBSOCD

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-025-03004

5. Indicate Type of Lease

STATE ☒ FEE ☐ ☒

6. State Oil &amp; Gas Lease No.

B-2519

7. Lease Name or Unit Agreement Name

Vacuum Abo Unit Tract 6

8. Well Number

64

9. OGRID Number

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 ~~Injection~~

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: A : 760 feet from the North line and 990 feet from the East line.

Section

34

Township

17-S

Range

35-E

NMPM

County

Lea

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

3,923' GL

Pit or Below-grade Tank Application ☐ or Closure ☒

Pit type STEEL Depth to Groundwater 67' Distance from nearest fresh water well 1/8 mile 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

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 NMOCD guidelines ☒, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Chris Blanton TITLE P&A Technician (Basic Energy Services) DATE 01/16/2009Type or print name: Chris Blanton E-mail address: chris.blanton@basicenergyservices.com Telephone No. 432-687-1994

## For State Use Only

APPROVED BY: Janey W. Hill TITLE DISTRICT 1 SUPERVISOR DATE JAN 21 2009

Conditions of Approval (if any):

**ConocoPhillips Company**  
**Vacuum Abo Unit, Tract 6, Well #64**  
**API #30-025-03004**  
**Vacuum (Abo Reef) Field**  
**Lea County, New Mexico**

## **Proposed Plugging Procedure**

**See attached wellbore diagrams for wellbore configuration**

**Casings:** 13 $\frac{3}{8}$ " 48# H-40 casing @ 316', cmt'd w/ 350 sx, circulated  
8 $\frac{5}{8}$ " 24# J-55 casing @ 3,244' cmt'd w/ 400 sx, TOC 1,000' by T.S.  
5 $\frac{1}{2}$ " 15.5# casing @ 9,100' cmt'd w/ 520 sx, TOC 8,464' by T.S.

**Perforations:** 8,536 – 8,874' Abo

**Tubulars:** none expected

- Contact NM DIGTESS (1-800-321-2537) minimum 48 hrs prior to move-in
- Notify NMOCD & BLM 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 $\frac{1}{2}$ " 17# casing capacity = 0.0232 bbls/ft = 7.661 ft<sup>3</sup>  
8 $\frac{5}{8}$ " 24# casing capacity = 0.0637 bbls/ft = 2.7964 ft<sup>3</sup>  
13 $\frac{3}{8}$ " 48# casing capacity = 0.1570 bbls/ft = 1.134 ft<sup>3</sup>

1. Set steel pit, MIRU plugging equipment. Review Basic's SOP for well blow down, and flow down well as needed.
2. ND wellhead and NU 6" 5,000# hydraulic BOP.
3. RIH w/ 2 $\frac{3}{8}$ " workstring tubing, tag CIBP @ 8,464'. RU cementer and displace hole w/ 100 bbls plugging mud. Pump 25 sx C cmt 8,464 – 8,217' (1.32 ft<sup>3</sup>/sk yield, 33.0 ft<sup>3</sup> slurry volume, calculated fill 247' in 5 $\frac{1}{2}$ " 15.5# casing), displacing w/ plugging mud. PUH laying down tubing to 6,242'. **Abo Plug**
4. Load hole w/ plugging mud and pump 25 sx C cmt 6,242 – 5,995' (1.32 ft<sup>3</sup>/sk yield, 33.0 ft<sup>3</sup> slurry volume, calculated fill 247' in 5 $\frac{1}{2}$ " 15.5# casing) displacing w/ plugging mud. PUH laying down tubing to 4,425'. **Clearfork/Glorieta plug**
5. Load hole w/ plugging mud and pump 25 sx C cmt 4,425 – 4,178' (1.32 ft<sup>3</sup>/sk yield, 33.0 ft<sup>3</sup> slurry volume, calculated fill 247' in 5 $\frac{1}{2}$ " 15.5# casing) displacing w/ plugging mud. PUH laying down tubing to 3,294'. **San Andres plug**

6. Load hole w/ plugging mud and pump 25 sx C cmt w/ 2%  $\text{CaCl}_2$  3,294 - 3,047' (1.32 ft<sup>3</sup>/sk yield, 33.0 ft<sup>3</sup> slurry volume, calculated fill 247' in 5½" 15.5# casing) displacing w/ plugging mud. PUH w/ tubing and WOC minimum 3 hours. RIH w/ tubing and tag cement no deeper than 3,194'. PUH laying down tubing to 1,904'. **Casing shoe plug**
7. Load hole w/ plugging mud and pump 25 sx C cmt w/ 2%  $\text{CaCl}_2$  1,904 – 1,657' (1.32 ft<sup>3</sup>/sk yield, 33.0 ft<sup>3</sup> slurry volume, calculated fill 247' in 5½" 15.5# casing) displacing w/ plugging mud. POOH w/ tubing and WOC minimum 3 hours. **Top of Salt plug**
8. RU & test lubricator to 1,500 psi. RIH w/ wireline tag cement no deeper than 1,804', PUH and perforate 5½ & 8⅝" casing @ 366'. POOH w/ wireline. RD lubricator.
9. RIH w/ AD-1 packer to 180'. Load hole w/ plugging mud, set packer, and establish rate into perforations at 1,000 psi or less. Squeeze 70 sx C cmt 366 – 261' (1.32 ft<sup>3</sup>/sk yield, 92.4 ft<sup>3</sup> slurry volume, calculated fill 105' in 13⅜" 48# casing) displacing w/ plugging mud. WOC & tag this plug no lower than 266'. POOH w/ packer laying down tubing. **Surface casing shoe plug**
10. RU & test lubricator to 1,500 psi. RIH w/ wireline & perforate 5½ & 8⅝" casing @ 60'. POOH w/ wireline. RD lubricator.
11. ND BOP and NU wellhead, establish circulation thru perforations at 60' and circulate 40 sx C cmt 60' to surface (1.32 ft<sup>3</sup>/sk yield, 39.6 ft<sup>3</sup> slurry volume, calculated fill 60' in 13⅜" casing). Top off wellbore w/ 5 sx C cmt if surface plug did not circulate. **surface plug**
12. RDMO location.
13. Cut off wellhead and anchors, install dry hole marker. Level location. Leave location clean and free of trash.

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

Date 1/15/2009

RKB @ 3936'  
 DF @ 3934'  
 GL @ 3923'

17-1/2" hole  
**13-3/8" 48# H-40 @ 316'**  
 Cmt'd w/350 sx, circ 25 sx  
 TOC @ Surface

Subarea Buckeye  
 Lease & Well No Vacuum Abo Unit Tract 6, Well 64  
 Legal Description 760' FNL & 760 FEL, Sec 34, T17S, R35E, UL A  
 County Lea State New Mexico  
 Field Vacuum (Abo Reef)  
 Date Spudded 2/26/62 Rig Rel 4/10/62  
 API Number 30-025-03004  
 Status Proposed Plugged  
 Drilled as Santa Fe No. 64 State Lease B-

**Perf & sqz 40 sx C cmt @ 60' - surface**

**Perf & sqz 70 sx C cmt w/ 2% CaCl<sub>2</sub>  
 @ 366-261' WOC & TAG > 266'**

TOC 8-5/8" Csg @ 1000' (T.S.)

**Stimulation History:**

TOC 5-1/2" Csg @ 1600' (T.S.)

**Pump 25 sx C cmt w/ 2% CaCl<sub>2</sub> @ 1,904 - 1,657'**  
**WOC & TAG no deeper than 1,804'**  
 Top of Salt @ 1904'

Interval	Date	Type	Gals	Lbs. Sand	Max Press	ISIP	Max Rate	Max Down
	4/13/62	Perforate 8536-8874, 211', 422 holes						
	4/14/62	15% Regular Acid	1,000		1350		3 0	
	3/7/75	Shut down - watered out producer						
	3/16/92	Set 5-1/2" CIBP @ 8464'						
		Temporarily Abandon						

11" Hole  
**8-5/8" 24# J-55 ST&C @ 3244'**  
 Cmt'd w/ 400 sx  
 TOC @ 1000' (T.S.)

**Pump 25 sx C cmt w/ 2% CaCl<sub>2</sub> @ 3,294 - 3,047'**  
**WOC & TAG no deeper than 3,194'**

**Pump 25 sx C cmt @ 4,425 - 4,178'**

**Pump 25 sx C cmt @ 6,242 - 5,995'**

**TAG CIBP**  
**Pump 25 sx C cmt 8,464 - 8,217'**  
 5-1/2" CIBP @ 8464'

8536' - 8556' 8564' - 8594'  
 8607' - 8654' 8660' - 8672'  
 8678' - 8685' 8710' - 8720'  
 8728' - 8751' 8762' - 8776'  
 8793' - 8809' 8819' - 8830'  
 8845' - 8853' 8857' - 8864'  
 8868' - 8874'

7-7/8" Hole  
**5-1/2" 15.5# J-55 ST&C @ 9100'**  
 Cmt'd w/520 sx  
 TOC @ 1600' (T.S.)

PBTD 8464'  
 TD 9100'

**PROPOSED PLUGS**

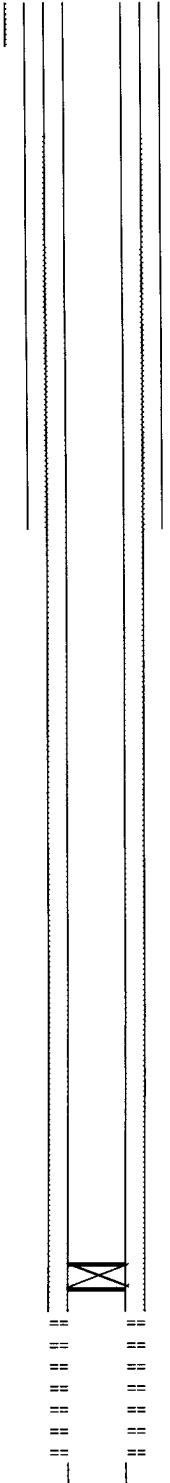


- 1) TAG CIBP
- 2) 25 sx cmt 8,464 - 8,217'
- 3) 25 sx cmt 6,242 - 5,995'
- 4) 25 sx cmt 4,425 - 4,178'
- 5) 25 sx cmt 3,294 - 3,047' WOC & TAG
- 6) 25 sx cmt 1,904 - 1,657' WOC & TAG
- 7) Perf & sqz 70 sx cmt 366 - 261' WOC & TAG
- 8) Perf & sqz 40 sx cmt 60' - Surface

**WELLBORE SKETCH**  
**ConocoPhillips Company – Lower 48 Mid-Continent BU Permian Operations**

Date December 19, 2008

RKB @ 3936'  
 DF @ 3934'  
 GL @ 3923'



17-1/2" hole  
**13-3/8" 48# H-40 @ 316'**  
 Cmt'd w/350 sx, circ 25 sx  
 TOC @ Surface

**TOC 8-5/8" Csg @ 1000' (T.S.)**

**TOC 5-1/2" Csg @ 1600' (T.S.)**

**Top of Salt @ 1904'**

11" Hole  
**8-5/8" 24# J-55 ST&C @ 3244'**  
 Cmt'd w/ 400 sx  
 TOC @ 1000' (T S )

**5-1/2" CIBP @ 8464'**

== 8536' - 8556' 8564' - 8594'  
 == 8607' - 8654' 8660' - 8672'  
 == 8678' - 8685' 8710' - 8720'  
 == 8728' - 8751' 8762' - 8776'  
 == 8793' - 8809' 8819' - 8830'  
 == 8845' - 8853' 8857' - 8864'  
 == 8868' - 8874'

7-7/8" Hole  
**5-1/2" 15.5# J-55 ST&C @ 9100'**  
 Cmt'd w/520 sx  
 TOC @ 1600' (T S )

PBTD 8464'  
 TD 9100'

Subarea Buckeye  
 Lease & Well No Vacuum Abo Unit Tract 6, Well 64  
 Legal Description 760' FNL & 760 FEL, Sec 34, T17S, R35E, UL A  
 County Lea State New Mexico  
 Field Vacuum (Abo Reef)  
 Date Spudded 2/26/62 Rig Rel 4/10/62  
 API Number 30-025-03004  
 Status Temporarily Abandoned  
 Drilled as Santa Fe No. 64 State Lease B-

**Stimulation History:**

Interval	Date	Type	Gals	Lbs. Sand	Max Press	ISIP	Max Rate	Down
8536-8874	4/13/62	Perforate 8536-8874, 211', 422 holes						
	4/14/62	15% Regular Acid	1,000		1350		3 0	
	3/7/75	Shut down - watered out producer						
	3/16/92	Set 5-1/2" CIBP @ 8464'						
		Temporarily Abandon						