

Submit 3 Copies To Appropriate District 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

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

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

WELL API NO.	30-025-08543
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
6. State Oil & Gas Lease No.	B-2131
7. Lease Name or Unit Agreement Name	Vacuum Abo Unit Tract 6 Battery 4
8. Well Number	71
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 H : 1,980 feet from the North line and 760 feet from the East line
Section 26 Township 17-S Range 35-E NMPM County Lea

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3,911' GR 3,923' 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 CURRENT & PROPOSED PLUGGED WELLBORE DIAGRAMS & PLUGGING PROCEDURE

* SEE STEP #5
8 5/8" SHOE PLUG W.O.C. + TAG



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 James F. Newman TITLE James F. Newman, P.E. (Triple N Services) DATE 03/22/07

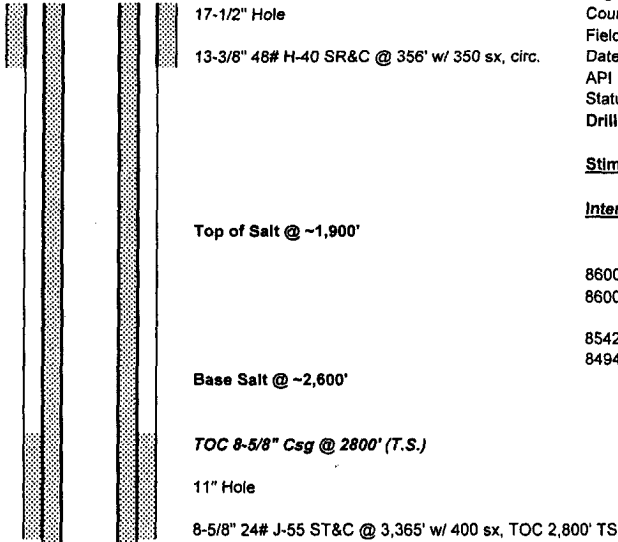
Type or print name
For State Use Only
E-mail address: jim@triplenservices.com Telephone No. 432-687-1994

APPROVED BY: Larry W. Wink TITLE _____ DATE MAR 27 2007
Conditions of Approval (if any): _____

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

Date: Jan. 23, 2007

RKB @ 3923'
 DF @ 3920'
 GL @ 3911'



Subarea : Buckeye
 Lease & Well No. : Vacuum Abo Unit Battery 4, Tract 6, Well 71
 Legal Description : 1980' FNL & 760' FEL, Sec. 26, T-17-S, R-35-E
 County : Lea State : New Mexico
 Field : Vacuum (Abo Reef)
 Date Spudded : July 16, 1962 Rig Rel: Aug. 12, 1962
 API Number : 30-025-08543
 Status : Temporarily Abandoned
 Drilled as Santa Fe No. 71 State Lease B-2131

Stimulation History:

Interval	Date	Type	Gals	Lbs. Sand	Max Press	ISIP	Max Rate	Max Down
	8/16/62	Perforate 2 jspl 8600'-8896' (select fire)					200	holes
8600-8896	8/17/62	15% Regular Acid	2,000		4000	3200	1.7	
8600-8896	8/20/70	28% Acid	4,000		800	0	3.6	
	7/10/74	Perforate 8494-8574						
8542-8574	7/11/74	28% Acid	1,000		1500	0	1.0	
8494-8522	7/11/74	28% Acid	1,000		3500	500		
	9/2/94	Set 5-1/2" CIBP @ 8435', circ pkr fluid						
		Temporarily Abandon						

Capacities

5 1/2" 15.5# csg:	7.485	ft/ft3	0.1336	ft3/ft
8 3/4" openhole:	2.395	ft/ft3	0.4176	ft3/ft
7" 20# csg:	4.400	ft/ft3	0.2273	ft3/ft
8 1/2" 24# csg:	2.797	ft/ft3	0.3575	ft3/ft
13 3/4" 61# csg:	1.711	ft/ft3	0.8542	ft3/ft

Formation Tops:

Rustler	1687'
Yates	2936'
Queen	3814'
Grayburg	4104'
San Andres	4395'
Glorieta	6126'
Clearfork	6256'
Abo	8494'

5-1/2" CIBP @ 8435'

8494-8504 8510-8522
 8542-8550 8566-8574
 8600-8610 8640-8644
 8660-8670 8679-8684
 8704-8712 8721-8734
 8752-8762 8771-8780
 8796-8802 8808-8814
 8826-8840 8891-8896

7-7/8" Hole
 5-1/2" 14# & 15.5# @ 9100'
 Cmt'd w/715 sx, circ
 TOC @ Surface

PBTD: 8435'
 TD: 9100'

ConocoPhillips

Proposed Plugging Procedure

Vacuum Abo Unit Battery 4, Tract 6 #71

API #30-025-08543

Vacuum (Abo Reef) Field

Lea County, New Mexico

Casings: 13 $\frac{3}{8}$ " 48# H-40 casing @ 356' cmt'd w/ 350 sx, circulated
8 $\frac{5}{8}$ " 24# J-55 casing @ 3,365' cmt'd w/ 400 sx, TOC 2,800' by T.S.
5 $\frac{1}{2}$ " 14 & 15.5# casing @ 9,100' cmt'd w/ 715 sx, cement circulated
Abo perforations 8,494 – 8,896'

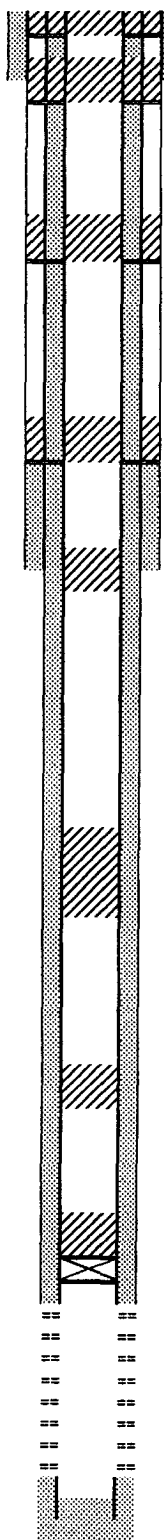
- TA'd w/ CIBP @ 8,435' (09/02/94)
 - Notify NMOCD 48 hrs prior to move in, and 4 hrs prior to plugs
 - Hold daily tailgate safety meetings w/ crews
 - Contact NM DIGTESS (1-800-321-2537) minimum 48 hrs prior to move-in
1. Set steel pit and flow down well as needed. MIRU plugging equipment. ND wellhead and NU 6" 5,000# hydraulic BOP.
 2. RIH w/ 2 $\frac{3}{8}$ " workstring to CIBP @ 8,435'. RU cementer and circulate hole w/ plugging mud. Pump 25 sx C cmt (1.32 ft³/sk yield, 33.0 ft³ slurry volume, calculated fill 241' in 5 $\frac{1}{2}$ " 14# casing) 8,435 – 8,194'. POOH w/ tubing to 6,126'. **Abo plug**
 3. Pump 25 sx C cmt (1.32 ft³/sk yield, 33.0 ft³ slurry volume, calculated fill 241' in 5 $\frac{1}{2}$ " 14# casing) 6,126 – 5,885'. POOH w/ tubing to 4,350'. **Glorieta plug**
 4. Pump 25 sx C cmt (1.32 ft³/sk yield, 33.0 ft³ slurry volume, calculated fill 241' in 5 $\frac{1}{2}$ " 14# casing) 4,350 – 3,965'. POOH w/ tubing to 3,415'. **San Andres & Grayburg plug**
 5. Pump 25 sx C cmt (1.32 ft³/sk yield, 33.0 ft³ slurry volume, calculated fill 241' in 5 $\frac{1}{2}$ " 14# casing) 3,415 – 3,174'. POOH w/ tubing. **Intermediate casing shoe plug** → WOC & TAG
 6. RU lubricator and RIH w/ four 2 $\frac{1}{2}$ " strip-jet perforating charges on wireline, and perforate 5 $\frac{1}{2}$ " & 8 $\frac{5}{8}$ " casings with four squeeze holes @ 2,800'. POOH w/ wireline.
 7. RIH w/ AD-1 packer to ~2,400'. Load hole w/ mud and set packer. Establish rate into perforations at 1,500 psi or less. Squeeze 75 sx C cement w/ 2% CaCl₂ (1.32 ft³/sk yield, 99.0 ft³ slurry volume, calculated fill 121' in 12 $\frac{1}{4}$ " open hole) 2,800 – 2,679'. WOC & tag this plug no deeper than 2,700'. POOH w/ packer. If unable to establish rate at 1,500 psi or less, contact NMOCD for approval to pump & tag 25 sx balanced plug @ 2,850'. **Base of salt plug**
 8. RU lubricator and RIH w/ four 2 $\frac{1}{2}$ " strip-jet perforating charges on wireline, and perforate 5 $\frac{1}{2}$ " & 8 $\frac{5}{8}$ " casings with four squeeze holes @ 1,900'. POOH w/ wireline.

9. RIH w/ AD-1 packer to ~1,500'. Load hole w/ mud and set packer. Establish rate into perforations at 1,500 psi or less. Squeeze 75 sx C cement w/ 2% CaCl_2 (1.32 ft³/sk yield, 99.0 ft³ slurry volume, calculated fill 121' in 12¼" open hole) 1,900 – 1,779'. WOC & tag this plug no deeper than 1,800'. POOH w/ packer. If unable to establish rate at 1,500 psi or less, contact NMOCD for approval to pump & tag 25 sx balanced plug @ 1,950'. **Base of salt plug**
10. RU lubricator and RIH w/ four 2½" strip-jet perforating charges on wireline, and perforate 5½" & 8⅝" casings with four squeeze holes @ 406'. POOH w/ wireline.
11. RIH w/ AD-1 packer to ~120'. Load hole w/ mud and set packer. Establish rate into perforations at 500 psi or less. Squeeze 110 sx C cement w/ 2% CaCl_2 (1.32 ft³/sk yield, 145 ft³ slurry volume, calculated fill 177' in 12¼" open hole) 406 – 229'. WOC & tag this plug no deeper than 306'. POOH w/ packer. If unable to establish rate at 500 psi or less, contact NMOCD for balanced plug approval. **Surface casing shoe plug**
12. RIH w/ four 2½" strip-jet perforating charges on wireline, and perforate 5½" & 8⅝" casings with four squeeze holes @ 60'. POOH w/ wireline.
13. ND BOP, NU wellhead. Establish rate into perforations at 500 psi or less and circulate 45 sx C cement (1.32 ft³/sk yield, 59.4 ft³ slurry volume, calculated fill 67' in 13⅜" 48# casing) 60' to surface. If unable to establish rate at 500 psi or less, contact NMOCD for balanced plug approval. **surface plug**
14. RDMO location. Clean steel pit & haul fluids to disposal. 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: March 22, 2007

RKB @ 3923'
 DF @ 3920'
 GL @ 3911'



Perf/sqz 45 sx C cmt 60' to surface

13-3/8" 48# H-40 SR&C @ 356' w/ 350 sx, circ.

Perf/sqz 110 sx C cmt 406 - 306' WOC/TAG

Perf/sqz 75 sx C cmt 1,900 - 1,800' WOC/TAG

Top of Salt @ ~1,900'

Base Salt @ ~2,800'

Perf/sqz 75 sx C cmt 2,800 - 2,700' WOC/TAG

TOC 8-5/8" Csg @ 2800' (T.S.)

11" Hole

8-5/8" 24# J-55 ST&C @ 3,365' w/ 400 sx, TOC 2,800' TS

25 sx C cmt 3,415 - 3,174'

W.O.C. & TAG

40 sx C cmt 4,350 - 3,965'

25 sx C cmt 6,126 - 5,885'

Circulate mud, 25 sx C cmt 8,435 - 8,194'

5-1/2" CIBP @ 8435'

8494-8504 8510-8522
 8542-8550 8566-8574
 8600-8610 8640-8644
 8660-8670 8679-8684
 8704-8712 8721-8734
 8752-8762 8771-8780
 8796-8802 8808-8814
 8826-8840 8891-8896

7-7/8" Hole
 5-1/2" 14# & 15.5# @ 9100'
 Cmt'd w/715 sx, circ
 TOC @ Surface

PBTD: 8435'
 TD: 9100'

Subarea: Buckeye
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	9/2/94	Set 5-1/2" CIBP @ 8435', circ pkr fluid						
		Temporarily Abandon						



PROPOSED PLUGGING PROCEDURE

- 1) Circulate mud, 25 sx C cmt 8,435 - 8,194'
- 2) 25 sx C cmt 6,126 - 5,885'
- 3) 40 sx C cmt 4,350 - 3,965'
- 4) 25 sx C cmt 3,415 - 3,174'
- 5) Perf/sqz 75 sx C cmt 2,800 - 2,700' WOC/TAG
- 6) Perf/sqz 75 sx C cmt 1,900 - 1,800' WOC/TAG
- 7) Perf/sqz 110 sx C cmt 406 - 306' WOC/TAG
- 8) Perf/sqz 45 sx C cmt 60' to surface

Capacities

5 1/2" 14# csg:	7.299	ft/ft3	0.1370	ft3/ft
5 1/2" 15.5# csg:	7.485	ft/ft3	0.1336	ft3/ft
7 1/4" openhole:	2.957	ft/ft3	0.3382	ft3/ft
8 1/4" 24# csg:	2.797	ft/ft3	0.3575	ft3/ft
13 1/4" 48# csg:	1.134	ft/ft3	0.8817	ft3/ft

Formation Tops:

Rustler	1687'
Yates	2936'
Queen	3814'
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