

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. 30-025-08548
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. B-1399
7. Lease Name or Unit Agreement Name Vacuum Abo Unit Battery 4 Tract 5
8. Well Number 01
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
4001 Penbrook Street Odessa, Texas 79762

4. Well Location
Unit Letter J: 1,980 feet from the South line and 1,980 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.)
3,913' 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 WELLBORE DIAGRAMS & PROPOSED PLUGGING PROCEDURE

**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 03/09/06

Type or print name James F. Newman E-mail address: jim@triplenservices.com Telephone 505-887-1994
For State Use Only

APPROVED BY: Larry W. Wink TITLE _____ DATE _____

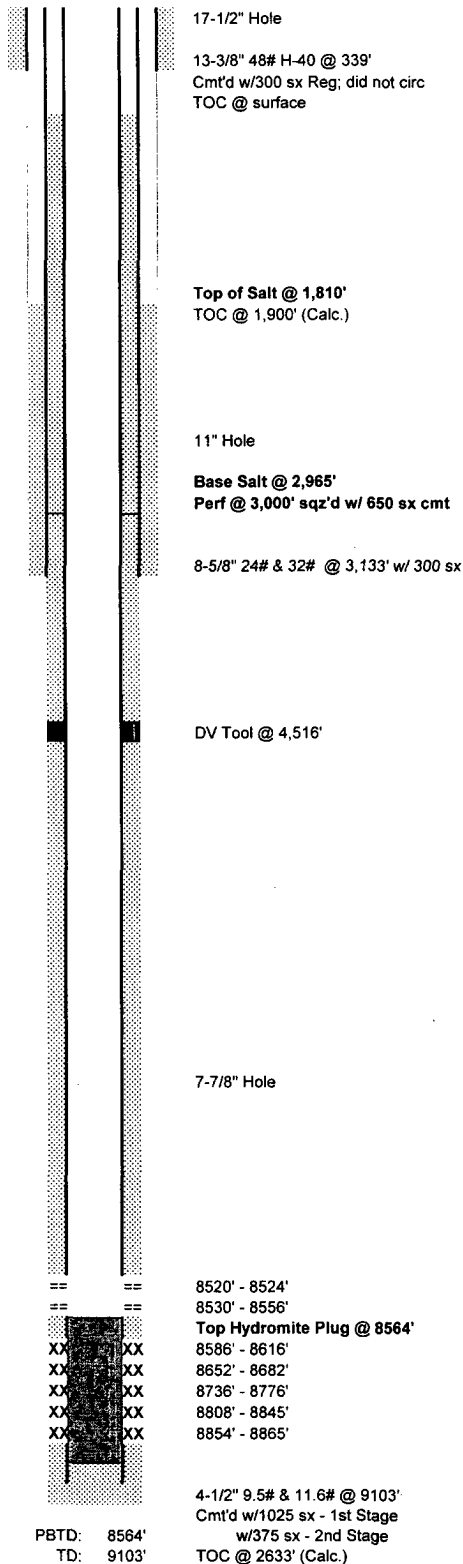
Conditions of Approval (if any): OG FIELD REPRESENTATIVE II/STAFF MANAGER



WELLBORE SKETCH **ConocoPhillips Company -- Permian Basin Business Unit**

Date: February 8, 2006

RKB @ 3928'
 DF @ 3925'
 GL @ 3913'



Subarea : Buckeye
 Lease & Well No. : Vacuum Abo Unit, Battery 4 Tract 5, Well No. 1
 Legal Description : 1735' FNL & 990' FEL, Sec. 34, T-17-S, R-35-E
 County : Lea State : New Mexico
 Field : Vacuum (Abo Reef)
 Date Spudded : April 20, 1962 Rig Released May 11, 1962
 API Number : 30-025-08548
 Status: _____

Stimulation History:

Interval	Date	Type	Gals	Lbs. Sand	Max Press	ISIP	Max Rate	Down
8736-8865	5/19/62	Perf 8736-8865						
	5/19/62	Acid	400					
	7/13/67	Squeeze 8736-8865 w/60 sxl PBTD @ 8714'						
	7/14/67	Perf 8520-8682, 1 JSPF						
8520-8682	8/27/70	15% HCl	1,000		600	0	1.0	
	3/13/74	Plug back from 8693' to 8645' w/200# Hydromite to reduce water						
	10/17/74	Plug back from 8645' to 8564' w/700# Hydromite						
	1/27/81	Run CBL from 6100' to 2500'; perf 4-1/2" casing at 3000' with 4 JSPF. Establish circ in 4-1/2 - 8-5/8" csg annulus. Cmt w/650 sx Class C. Circ cmt, closed 8-5/8" annulus valve and squeezed 10 sx thru 4-1/2" csg perfs @ 3000' @ 1000#. Work is by order of NMOCC to shut off high pressure salt water flows behind the intermediate and production casing strings.						
	3/23/88	Install larger pumping unit and fiberglass rod string.						



Formation Tops:

Rustler	
Top Salt	1810'
Yates	2965'
Base Salt	
Seven Rivers	3255'
Queen	3810'
Grayburg	
San Andres	4450'
Glorieta	6100'
Paddock	6201'
Abo	8480'

ConocoPhillips

Proposed Plugging Procedure

Vacuum Abo Unit Battery 4, Tract 5, #01
Vacuum Abo Reef Field
Lea County, New Mexico
API #42-025-08548

Casings: 13 $\frac{3}{8}$ " 48# casing @ 339', cmt'd w/ 300 sx, circulated
8 $\frac{5}{8}$ " 24# & 32# casing @ 3,133' cmt'd w/ 300 sx, TOC 1,900' calculated
4 $\frac{1}{2}$ " 9.5# & 11.6# casing @ 9,103' cmt'd w/ 1,400 sx, TOC 3,000' calculated;
sqz'd @ 3,000' w/ 650 sx
perforations 8,520 – 8,865'

- As of 03/23/88 had fiberglass rods & tubing in hole
 - Notify BLM & 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, Account # 6778) minimum 48 hrs prior to move-in
1. Set steel pit and flow down well as needed. MIRU plugging equipment. POOH w/ fiberglass rods as present. ND wellhead and NU 6" 3,000# manual BOP. POOH w/ production tubing as present.
 2. If TAC or packer not pulled, RU wireline and RIH w/ gauge ring for 4 $\frac{1}{2}$ " 11.6# casing to 8,470', POOH w/ gauge ring.
 3. RIH w/ HM tbg-set CIBP on 2 $\frac{3}{4}$ " workstring to 8,470'. RU cementer and set CIBP @ 8,470'. Circulate hole w/ 10 ppg plugging mud, pump 25 sx C cmt (1.32 ft³/sk yield, 33.0 ft³ slurry volume, calculated fill 362' in 4 $\frac{1}{2}$ " 9.5# casing) 8,470 – 8,108'. **Abo plug**
 4. POOH w/ tubing to 6,100'. Load hole w/ plugging mud, pump 25 sx C cmt (1.32 ft³/sk yield, 33.0 ft³ slurry volume, calculated fill 362' in 4 $\frac{1}{2}$ " 9.5# casing) 6,100 – 5,738'. **Glorieta plug**
 5. POOH w/ tubing to 4,566' and pump 25 sx C cmt (1.32 ft³/sk yield, 33.0 ft³ slurry volume, calculated fill 362' in 4 $\frac{1}{2}$ " 9.5# casing) 4,566 – 4,204'. **San Andres & DV tool plug**
 6. POOH w/ tubing to 3,183' and pump 25 sx C cmt w/ 2% CaCl₂ (1.32 ft³/sk yield, 33.0 ft³ slurry volume, calculated fill 362' in 4 $\frac{1}{2}$ " 9.5# casing) 3,183 – 2,821'. WOC & TAG this plug no deeper than 2,900'. **Intermediate shoe & base of salt plug**
 7. RU lubricator and RIH w/ wireline, perforate 4 $\frac{1}{2}$ " & 8 $\frac{5}{8}$ " casings @ 1,810' w/ four 2 $\frac{1}{2}$ " strip-jet charges. POOH w/ wireline.
 8. RIH w/ AD-1 packer to 1,450'. Load hole w/ mud, set packer, and establish rate into perforations at 1,500 psi or less. Squeeze 60 sx C cmt w/ 2% CaCl₂ (1.32 ft³/sk yield, 79.2 ft³ slurry volume, calculated fill 120' in 11" open hole) 1,810 – 1,690'. WOC & tag this plug no deeper than 1,710'. **Top of Salt plug**

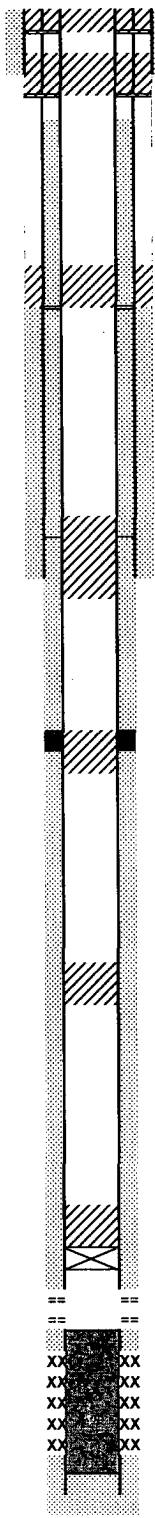
9. RU lubricator and RIH w/ wireline, perforate 4½" & 8⅝" casings @ 389' w/ four 2½" strip-jet charges. POOH w/ wireline.
10. RIH w/ AD-1 packer to 90'. Load hole w/ mud, set packer, and establish rate into perforations at 1,000 psi or less. Squeeze 115 sx C cmt w/ 2% CaCl₂ (1.32 ft³/sk yield, 152 ft³ slurry volume, calculated fill 230' in 11" open hole) 389 – 159'. WOC & tag this plug no deeper than 289'. **Surface casing shoe plug**
11. RU lubricator and RIH w/ wireline, perforate 4½" & 8⅝" casings @ 50' w/ four 2½" strip-jet charges. POOH w/ wireline.
12. ND BOP & NU wellhead. Establish circulation in 4½ x 8⅝" and 8⅝ x 13⅜" annuli via perforations @ 50', circulate 40 sx C cmt (1.32 ft³/sk yield, 52.8 ft³ slurry volume, calculated fill 59' in 13⅜" 48# casing) 50' to surface. **surface plug**
13. RDMO location.
14. 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 -- Permian Basin Business Unit**

Date: March 9, 2006

RKB @ 3926'
 DF @ 3925'
 GL @ 3913'



40 sx C cmt 50' to surface perf & sqz

13-3/8" 48# H-40 @ 339'
 Cmt'd w/300 sx Reg; did not circ

115 sx C cmt 389 - 289' perf & sqz TAG

Top of Salt @ 1,810'
 TOC @ 1,900' (Calc.)

60 sx C cmt 1,810 - 1,710' perf & sqz TAG

11" Hole

Base Salt @ 2,965'
Perf @ 3,000' sqz'd w/ 650 sx cmt

8-5/8" 24# & 32# @ 3,133' w/ 300 sx

25 sx C cmt 3,183 - 2,900' WOC & TAG

DV Tool @ 4,516'
25 sx C cmt 4,566 - 4,204'

25 sx C cmt 6,100 - 5,738'

7-7/8" Hole

25 sx C cmt 8,470 - 8,108'
CIBP @ 8,470'

8520' - 8524'
 8530' - 8556'
Top Hydromite Plug @ 8564'
 8586' - 8616'
 8652' - 8682'
 8736' - 8776'
 8808' - 8845'
 8854' - 8865'

4-1/2" 9.5# & 11.6# @ 9103'
 Cmt'd w/1025 sx - 1st Stage
 w/375 sx - 2nd Stage
 TOC @ 2633' (Calc.)

PBTD: 8564'
 TD: 9103'

Subarea: Buckeye
 Lease & Well No.: Vacuum Abo Unit, Battery 4 Tract 5, Well No. 1
 Legal Description: 1735' FNL & 990' FEL, Sec. 34, T-17-S, R-35-E
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 Field: Vacuum (Abo Reef)
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8520-8682	8/27/70	15% HCl	1,000		600	0	1.0	
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	3/23/88	Install larger pumping unit and fiberglass rod string.						



PROPOSED PLUGGING PROCEDURE

- 1) CIBP @ 8,470'
- 2) 25 sx C cmt 8,470 - 8,108'
- 3) 25 sx C cmt 6,100 - 5,738'
- 4) 25 sx C cmt 4,566 - 4,204'
- 5) 25 sx C cmt 3,183 - 2,900' WOC & TAG
- 6) 60 sx C cmt 1,810 - 1,710' perf & sqz TAG
- 7) 115 sx C cmt 389 - 289' perf & sqz TAG
- 8) 40 sx C cmt 50' to surface perf & sqz

Capacities

4-1/2" 9.5# csg:	10.965 ft/ft3	0.0912 ft3/ft
4-1/2" 11.6# csg:	11.468 ft/ft3	0.0872 ft3/ft
5-1/2" 17# csg:	7.661 ft/ft3	0.1305 ft3/ft
7" 20# csg:	4.399 ft/ft3	0.2273 ft3/ft
7" 24# csg:	4.567 ft/ft3	0.2189 ft3/ft
8-5/8" 24# csg:	2.797 ft/ft3	0.3575 ft3/ft
8-5/8" 32# csg:	2.922 ft/ft3	0.3422 ft3/ft
9-5/8" 36# csg:	2.304 ft/ft3	0.4340 ft3/ft
10-3/4" 40.5# csg:	1.815 ft/ft3	0.5508 ft3/ft
13-3/8" 48# csg:	1.134 ft/ft3	0.8817 ft3/ft
7-7/8" openhole:	2.957 ft/ft3	0.3382 ft3/ft
8-3/4" openhole:	2.395 ft/ft3	0.4176 ft3/ft
11" openhole:	1.515 ft/ft3	0.6600 ft3/ft
12-1/4" openhole:	1.222 ft/ft3	0.8185 ft3/ft

Formation Tops:

Rustler	
Top Salt	1810'
Yates	2965'
Base Salt	
Seven Rivers	3255'
Queen	3810'
Grayburg	
San Andres	4450'
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Paddock	6201'
Abo	8480'

