

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

RECEIVED

OIL CONSERVATION DIVISION  
MAR 04 2004  
4220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-103  
May 27, 2004

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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)		WELL API NO. <b>30-025-02885</b>
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator <b>ConocoPhillips Company ATTN: Donna Williams</b>		6. State Oil & Gas Lease No. <b>B-2131</b>
3. Address of Operator <b>3303 N. "A" Street, Bldg. 6 #247, Midland, Texas 79705-5406</b>		7. Lease Name or Unit Agreement Name <b>Vacuum Abo Unit Tract 6</b>
4. Well Location Unit Letter <b>M</b> : <b>510</b> feet from the <b>South</b> line and <b>560</b> feet from the <b>West</b> line Section <b>26</b> Township <b>17-S</b> Range <b>35-E</b> NMPM County <b>Lea</b>		8. Well Number <b>66</b>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <b>3,924' RKB</b>		9. OGRID Number <b>217817</b>
Pit or Below-grade Tank Application <input checked="" type="checkbox"/> or Closure <input type="checkbox"/>		
Pit type <b>STEEL</b> Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water <b>N/A</b>		
Pit Liner Thickness: <b>STEEL</b> mil Below-Grade Tank: Volume <b>180</b> bbls; Construction Material <b>STEEL</b>		

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 PLUGGING PROCEDURE & 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 **03/03/09**

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

For State Use Only

APPROVED BY: Maley S Brown TITLE Compliance Officer DATE 3/6/2009  
Conditions of Approval (if any):

**ConocoPhillips Company**  
**Vacuum Abo Unit, Tract 6, Well #66**  
**API #30-025-02885**  
**Vacuum (Abo Reef) Field**  
**Lea County, New Mexico**

**RECEIVED**

MAR 04 2009  
HOBBSOCO

## **Proposed Plugging Procedure**

**See attached wellbore diagrams for wellbore configuration**

**Casings:** 13<sup>3/8</sup>" 48# H-40 casing @ 321', cmt'd w/ 350 sx, circulated  
8<sup>5/8</sup>" 24# J -55 casing @ 3,246' cmt'd w/ 400 sx, TOC 2,100' by T.S.  
5<sup>1/2</sup>" 14 & 15.5# J-55 casing @ 9,132' cmt'd w/ 615 sx, TOC 1,700' by T.S.

**Perforations:** 8,694 – 8,868', sqz'd w/ 150 sx cmt  
8,616 – 8,678', sqz'd w/ 200 sx cmt  
8,556 – 8,586',  
Hydromite plug @ 8,621 – 8,540'  
8,408 – 8,514'  
CIBP @ 8,360'

Fish left in hole from 8,512 – 8,544'  
22' 2<sup>3/8</sup>" tbg, seat nipple, Baker anchor catcher, pump and rods

**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<sup>3/8</sup>" 4.7# EUE tubing casing capacity = 0.00387 bbls/ft  
5<sup>1/2</sup>" 14# casing capacity = 0.0244 bbls/ft = 7.299 ft/ft<sup>3</sup>  
8<sup>5/8</sup>" 24# casing capacity = 0.0637 bbls/ft = 2.7964 ft/ft<sup>3</sup>  
13<sup>3/8</sup>" 48# casing capacity = 0.1570 bbls/ft = 1.134 ft/ft<sup>3</sup>

1. Set steel pit, MIRU plugging equipment.
2. ND wellhead and NU 6" 5,000# hydraulic BOP.
3. RIH w/ 2<sup>3/8</sup>" workstring tubing, tag CIBP @ 8,360'. RU cementer and displace hole w/ 100 bbls plugging mud. Pump 25 sx H cmt 8,360 – 8,169' (1.05 ft<sup>3</sup>/sk yield, 26.3 ft<sup>3</sup> slurry volume, calculated fill 191' in 5<sup>1/2</sup>" 14# casing), displacing w/ plugging mud. PUH laying down tubing to 6,205. **Abo Plug**

4. Load hole w/ plugging mud and pump 30 sx H cmt 6,205 – 5,976' (1.05 ft<sup>3</sup>/sk yield, 31.5 ft<sup>3</sup> slurry volume, calculated fill 229' in 5½" 14# casing) displacing w/ plugging mud. PUH laying down tubing to 3,296'. **Clearfork/Glorieta plug**
5. Load hole w/ plugging mud and pump 25 sx C cmt w/ 2% CaCl<sub>2</sub> 3,296 – 3,056' (1.32 ft<sup>3</sup>/sk yield, 33.0 ft<sup>3</sup> slurry volume, calculated fill 240' in 5½" 14# casing) displacing w/ plugging mud. POOH standing back 1,350'. **Intermediate Casing Shoe plug**
6. RU & test lubricator to 1,500 psi. RIH w/ wireline tag cement no deeper than 3,196', PUH and perforate 5½ & 8⅝" casing @ 1,695'. POOH w/ wireline. RD lubricator.
7. RIH w/ packer to 1,350', load hole w/ plugging mud, set packer, and establish rate into perforations at 1,000 psi or less. Squeeze 60 sx C cmt 1,695 – 1,575' (1.32 ft<sup>3</sup>/sk yield, 79.2 ft<sup>3</sup> slurry volume, calculated fill 120' in 11" Hole) displacing w/ plugging mud, PUH w/ packer standing back 66' of tubing. **Top of Salt plug** WDC € TAG
8. RU & test lubricator to 1,500 psi. RIH w/ wireline and perforate 5½ & 8⅝" casing @ 371'. POOH w/ wireline. RD lubricator.
9. Load hole w/ plugging mud, set packer, and establish rate into perforations at 1,000 psi or less. Squeeze 70 sx C cmt w/ 2% CaCl<sub>2</sub> 371 – 266' (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, POOH w/ packer. **Surface Casing Shoe plug**
10. RU & test lubricator to 1,500 psi. RIH w/ wireline and perforate 5½ & 8⅝" casing @ 60'. POOH w/ wireline. RD lubricator.
11. ND BOP and NU wellhead, establish circulation thru perforations at 60' and circulate 45 sx C cmt 60' to surface (1.32 ft<sup>3</sup>/sk yield, 59.4 ft<sup>3</sup> slurry volume, calculated fill 67' in 13⅜" 48# 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 PLUGGED WELLBORE SKETCH**  
**ConocoPhillips Company -- Lower 48 Mid-Continent BU Permian Operations**

Date 3-Mar-09

RKB @ 3924'  
 DF @ 3923'  
 GL @ 3911'

17-1/2" Hole  
 13-3/8" 48# H-40 ST&C @ 321'

Cmt'd w/ 350 sx, circ 10 sx

TOC @ Surface

Perf & sqz 45 sx C cmt 60' to surface

Perf & sqz 70 sx C cmt w/ 2% CaCl<sub>2</sub> 371 - 266'

WOC & TAG

Subarea Buckeye  
 Lease & Well No Vacuum Abo Unit Tract 6, Well 66  
 Legal Description 510' FSL & 560' FWL, Sec 26, T17S, R35E, Unit Letter "M"  
 County Lea State New Mexico  
 Field Vacuum (Abo Reef)  
 Date Spudded 4/12/62 Rig Rel 5/17/62  
 API Number 30-025-02885  
 Status Proposed Plugged  
 Drilled as Santa Fe No. 66 State Lease B-2131

**Stimulation History:**

Interval	Date	Type	Gals	Lbs. Sand	Max Press	ISIP	Max Rate	Max Down
Perf & sqz 60 sx C cmt 1,695 - 1,575'								
TOC 5-1/2" Csg @ 1700' (T.S.)	5/20/62	Perforate 8446' - 8868', 237', total 474 holes, 2 jspf						
<b>WOC &amp; TAG</b>	5/22/62	15% Regular Acid	1,000		2000	Vac	2"	
TOC 8-5/8" Csg @ 2100' (T.S.)	1/20/70	15% Acid	1,500					
		28% Acid	3,000		2200	0	6.2	2"
	3/29/72	Set plugs to shut off water as follows						
		Plug @ 9065' - 8692' w/ 200 sx (Tagged)						
		Plug @ 8692' - 8685' w/ 150 sx (Tagged)						
		Plug @ 8685' - 8600' w/200 sx (Cleanout to 8621' w/ scraper)						
		Squeezed Abo Perfs 8616-8868						
	4/3/72	Perforate 2 JSPF 8556-8586						
	4/18/73	Plug w/1050# Hydromite from 8621' to 8540'						
	4/19/73	Re-Perforate 8408-8514, 2 JSPF						
Pump 25 sx C cmt w/ 2% CaCl <sub>2</sub> 3,296 - 3,056'	4/21/73	15% Acid	1,500		1900	1000	1.5	2-3/8"
WOC & TAG	5/12/73	Pull and rods parted @ 7600', tbg parted @ 7100'						
	6/14/73	Fish left in hole - Top of Fish @ 8512'						
		Fish: 22' 2-3/8" tubing						
		Seat Nipple						
		Baker Anchor-Catcher						
		2" x 1-1/4 x 20' Pump						
		5/8" junk rods						
	8408-8514	6/16/73 15% NE	1,000		1500	1100	2.25	
		7/11/73 Re-perforate 8408-8501						
	8408-8501	7/12/73 28% NEFE HCl	3,000		3150	0	4.4	
	8408-8432	11/15/75 28% NEFE HCl	2,000	94 BS	2000	400	4.0	
		11/20/75 Shut Down - Unprofitable						
Pump 30 sx H cmt 6,205 - 5,976'	2/22/92	Set 5-1/2" CIBP @ 8360'; Temporarily Abandoned						

**Proposed Plugs**



- 1 Tag CIBP @ ~8,360'
- 2 Pump 25 sx H cmt 8,360 - 8,169'
- 3 Pump 30 sx H cmt 6,205 - 5,976'
- 4 Pump 25 sx C cmt w/ 2% CaCl<sub>2</sub> 3,296 - 3,056' WOC & TAG
- 5 Perf & sqz 60 sx C cmt 1,695 - 1,575' **WOC & TAG**
- 6 Perf & sqz 70 sx C cmt w/ 2% CaCl<sub>2</sub> 371 - 266' WOC & TAG
- 7 Perf & sqz 45 sx C cmt 60' to surface

Pump 25 sx H cmt 8,360 - 8,169'

5-1/2" CIBP @ 8360'

Abo

8408-8432 8446-8462 8481-8501 (Re-Perforate)

8408-8432 8446-8462 8482-8488 8494-8514 (Re-Perforate)

8446' - 8462' 8482' - 8488'

TOP OF FISH @ 8512'; Btm of Fish @ 8544'

8494-8514

Hydromite Plug 8621'-8540'

8556-8586

Plug @ 8685' - 8600' w/200 sx (CO to 8621')

8616' - 8634' 8647' - 8678'

Plug @ 8692' - 8685' w/ 150 sx (Tagged)

8694' - 8706' 8710' - 8718'

8732' - 8772' 8790' - 8800'

8806' - 8823' 8827' - 8830'

8843' - 8868'

Plug @ 9065' - 8692' w/ 200 sx (Tagged)

7-7/8" Hole

5-1/2" 14# J-55 ST&C & 15.5# J-55 LT&C @ 9132'

Cmt'd w/615 sx

TOC @ 1700' (T S)

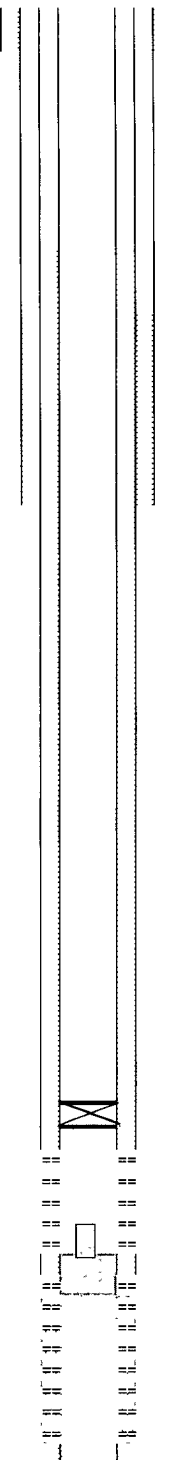
PBTD 8360'

TD 9133'

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

Date January 15, 2009

RKB @ 3924'  
 DF @ 3923'  
 GL @ 3911'



17-1/2" Hole  
**13-3/8" 48# H-40 ST&C @ 321'**  
 Cmt'd w/ 350 sx, circ 10 sx  
 TOC @ Surface

**TOC 5-1/2" Csg @ 1700' (T.S.)**  
**Top of Salt @**  
**TOC 8-5/8" Csg @ 2100' (T.S.)**

**Base Salt @**  
 11" Hole  
**8-5/8" 24# J-55 ST&C @ 3246'**  
 Cmt'd w/ 400 sx  
 TOC @ 2100' (T S )

**5-1/2" CIBP @ 8360'**  
**Abo**  
 8408-8432 8446-8462 8481-8501 (Re-Perforate)  
 8408-8432 8446-8462 8482-8488 8494-8514 (Re-Perforate)  
 8446' - 8462' 8482' - 8488'  
**TOP OF FISH @ 8512'; Btm of Fish @ 8544'**  
 8494-8514  
**Hydromite Plug 8621'-8540'**  
 8556-8586  
**Plug @ 8685' - 8600' w/200 sx (CO to 8621')**  
 8616' - 8634' 8647' - 8678'  
**Plug @ 8692' - 8685' w/ 150 sx (Tagged)**  
 8694' - 8706' 8710' - 8718'  
 8732' - 8772' 8790' - 8800'  
 8806' - 8823' 8827' - 8830'  
 8843' - 8868'  
**Plug @ 9065' - 8692' w/ 200 sx (Tagged)**  
 7-7/8" Hole  
**5-1/2" 14# J-55 ST&C & 15.5# J-55 LT&C @ 9132'**  
 Cmt'd w/615 sx  
 TOC @ 1700' (T S )

PBTD 8360'  
 TD 9133'

Subarea Buckeye  
 Lease & Well No Vacuum Abo Unit Tract 6, Well 66  
 Legal Description 510' FSL & 560' FWL, Sec 26, T17S, R35E, Unit Letter "M"  
 County Lea State New Mexico  
 Field Vacuum (Abo Reef)  
 Date Spudded 4/12/62 Rig Rel 5/17/62  
 API Number 30-025-02885  
 Status Temporarily Abandoned  
 Drilled as Santa Fe No. 66 State Lease B-2131

**Stimulation History:**

Interval	Date	Type	Gals	Lbs. Sand	Max Press	ISIP	Max Rate	Max Down
	5/20/62	<b>Perforate 8446' - 8868', 237', total 474 holes, 2 jspf</b>						
8446-8868	5/22/62	15% Regular Acid	1,000		2000	Vac		2"
8446-8868	1/20/70	15% Acid	1,500					
		28% Acid	3,000		2200	0	6 2	2"
	3/29/72	Set plugs to shut off water as follows						
		<b>Plug @ 9065' - 8692' w/ 200 sx (Tagged)</b>						
		<b>Plug @ 8692' - 8685' w/ 150 sx (Tagged)</b>						
		<b>Plug @ 8685' - 8600' w/200 sx (Cleanout to 8621' w/ scraper)</b>						
		<b>Squeezed Abo Perfs 8616-8868</b>						
	4/3/72	<b>Perforate 2 JSPF 8556-8586</b>						
	4/18/73	Plug w/1050# Hydromite from 8621' to 8540'						
	4/19/73	<b>Re-Perforate 8408-8514, 2 JSPF</b>						
8408-8514	4/21/73	15% Acid	1,500		1900	1000	1 5	2-3/8"
	5/12/73	Pull and rods parted @ 7600', tbg parted @ 7100'						
	6/14/73	<b>Fish left in hole - Top of Fish @ 8512'</b>						
		Fish: 22' 2-3/8" tubing						
		Seat Nipple						
		Baker Anchor-Catcher						
		2" x 1-1/4 x 20' Pump						
		5/8" junk rods						
8408-8514	6/16/73	15% NE	1,000		1500	1100	2 25	
	7/11/73	<b>Re-perforate 8408-8501</b>						
8408-8501	7/12/73	28% NEFE HCl	3,000		3150	0	4 4	
8408-8432	11/15/75	28% NEFE HCl	2,000	94 BS	2000	400	4 0	
	11/20/75	Shut Down - Unprofitable						
	2/22/92	<b>Set 5-1/2" CIBP @ 8360'; Temporarily Abandoned</b>						