

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. 30-025-02868
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. E-6704
7. Lease Name or Unit Agreement Name Vacuum Abo Unit Tract #2
8. Well Number 02
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 C : 660 feet from the North line and 2310 feet from the West line
Section 25 Township 17-S Range 35-E NMPM County Lea

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3,900' GL

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: ☐

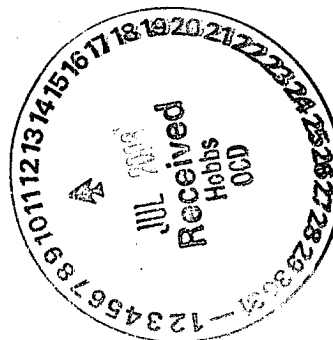
SUBSEQUENT REPORT OF:

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 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

TITLE James F. Newman, P.E. (Triple N Services) DATE 07/07/06

Type or print name
For State Use Only

James F. Newman

E-mail address: jim@triplenservices.com Telephone No. 432-687-1994

APPROVED BY:

TITLE

OC FIELD REPRESENTATIVE II/STAFF MANAGER DATE 12 2006

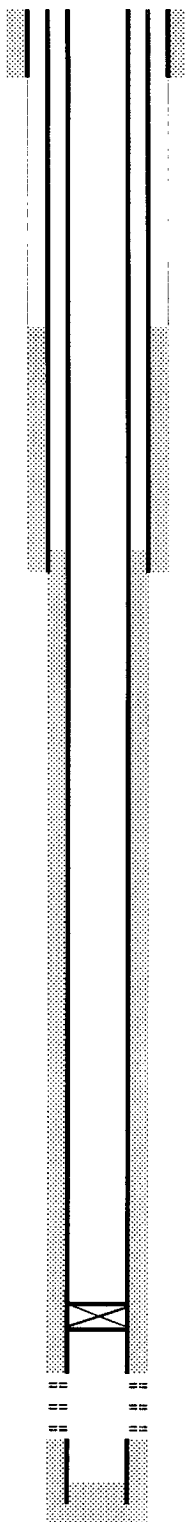
Conditions of Approval (if any):

WELLBORE SKETCH

ConocoPhillips Company -- Permian Basin Business Unit

Date: June 29, 2006

RKB @ 3910'
DF @
GL @ 3900'



17-1/2" Hole

13-3/8" 48# H-40 @ 325'

Cmt'd w/375 sx

TOC @ surface

Top of Salt @ 1840'

TOC 8-5/8" Csg @ 1910' (T.S.)

Base Salt @ 2880'

TOC 5-1/2" Csg @ 3300' (T.S.)

11" Hole

8-5/8" 28# @ 3350'

Cmt w/575 sx

TOC @ 1910' (T.S.)

7-7/8" Hole

CIBP @ 8568'

8646-8684 8689-8698

8735-8739 8741-8744

8863-8884

5-1/2" 17# @ 8975' w/ 750 sx

Cmt'd w/750 sx

Subarea : Buckeye
Lease & Well No. : Vacuum Abo Unit Tract 2, Well No. 02
Legal Description : 660' FNL & 2310' FWL, Sec. 25, T-17-S, R-35-E
County : Lea State : New Mexico
Field : Vacuum (Abo Reef)
Date Spudded : Dec. 15, 1961 Rig Rel: Feb. 8, 1962
API Number : 30-025-02868
Status : Temporarily Abandoned
Drilled as Scharbauer No. 2 State Lse No. E-6704

Stimulation History:

Interval	Date	Type	Gals	Lbs. Sand	Max Press	ISIP	Max Rate	Down
8646-8884	2/14/65	Perf Abo 8646-8884 (select fire)						
8646-8884		Mud Acid	1,000		3200	1800		
8646-8884		15% Acid	5,000					
8646-8884	1/25/65	15% DS-30	750		250			
	5/30/86	Shut-in -- uneconomical to operate						
	1/5/90	Return to production						
	8/26/94	Set CIBP @ 8568', circulate packer fluid						
		Temporarily Abandoned						

Formation Tops:

Top Salt	1840'
Base Salt	2880'
Yates	2972'
Seven Rivers	3135'
Queen	3859'
Grayburg	4189'
San Andres	4523'
Glorieta	6104'
Drinkard	6292'
Abo	8338'

PBTD: 8568'
TD: 8975'

VAU #2-02 WBDs

M. Navarrette
7/7/2006

ConocoPhillips

Proposed Plugging Procedure

Vacuum Abo Unit Tract 2 #02

Vacuum Abo Reef

API #30-025-02868

Section 25, T-17-S, R-35-E

Lea County, New Mexico

Casings: 13 $\frac{3}{8}$ " 48# H-40 @ 325' cmt'd w/ 375 sx TOC at surface
8 $\frac{5}{8}$ " 32# casing @ 3,350' cmt'd w/ 575 sx, TOC 1,910' calc.
5 $\frac{1}{2}$ " 17# casing @ 8,975', cmt'd w/ 750 sx, TOC 3,300' calc.

- SI producer
 - 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, Account # 6778) 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 8,568'. RU cement and circulated hole w/ 150 bbls plugging mud. Pump 25 sx C cmt (1.32 ft³/sk yield, 33.0 ft³ slurry volume, calculated fill 253' in 5 $\frac{1}{2}$ " 17# casing) 8,568 – 8,315'. POOH w/ tubing to 6,104'. **Abo plug**
 3. Load hole w/ plugging mud and pump 25 sx C cmt (1.32 ft³/sk yield, 33.0 ft³ slurry volume, calculated fill 253' in 5 $\frac{1}{2}$ " 17# casing) 6,104 – 5,851'. POOH w/ tubing to 4,189'. **Glorieta plug**
 4. Load hole w/ plugging mud and pump 25 sx C cmt (1.32 ft³/sk yield, 33.0 ft³ slurry volume, calculated fill 253' in 5 $\frac{1}{2}$ " 17# casing) 4,189 – 3,936'. POOH w/ tubing to 3,400'. **Grayburg - San Andres plug**
 5. Load hole w/ plugging mud and pump 25 sx C cmt (1.32 ft³/sk yield, 33.0 ft³ slurry volume, calculated fill 253' in 5 $\frac{1}{2}$ " 17# casing) 3,400 – 3,147'. POOH w/ tubing. **Intermediate plug**
 6. RIH w/ gauge ring for 5 $\frac{1}{2}$ " 17# casing on sandline to 2,980', POOH w/ gauge ring
 7. RU lubricator and RIH w/ four 1-11/16" link-jet perforating charges on wireline, and perforate four squeeze holes @ 2,980'. POOH w/ wireline, RD lubricator.
 8. RIH w/ AD-1 packer to 2,600'. Load hole w/ mud, set packer, and establish rate into perforations at 1,500 psi or less. Squeeze 40 sx C cmt w/ 2% CaCl₂ (1.32 ft³/sk yield, 52.8 ft³ slurry volume, calculated fill 154' in 8 $\frac{5}{8}$ " 32# casing) 2,980 – 2,826'. If unable to squeeze

cmt, contact NMOCD for balanced plug approval. POOH w/ packer. WOC & TAG this plug no deeper than 2,880'. **Base salt & shoe plug**

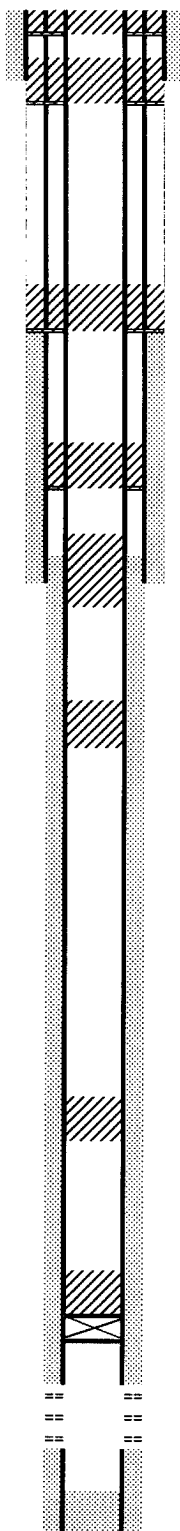
9. RU lubricator and RIH w/ four 2½" strip-jet perforating charges on wireline, and perforate four squeeze holes @ 1,840'. POOH w/ wireline, RD lubricator.
10. RIH w/ AD-1 packer to 1,500'. POOH w/ wireline. Establish circulation in 5½ x 8⅝" & 8⅝ x 13⅜" annuli and squeeze 75 sx C cmt w/ 2% CaCl₂ (1.32 ft³/sk yield, 99 ft³ slurry volume, calculated fill 112' in 13⅜" openhole) 1,840 – 1,740'. If unable to squeeze cmt, contact NMOCD for balanced plug approval. WOC & TAG this plug no deeper than 1,740'. **Top of salt plug**
11. SI BOP and pressure-test 5½" casing to 500 psi. If casing does not test, squeeze plug in #11 under packer.
12. RU lubricator and RIH w/ four 2½" strip-jet perforating charges on wireline, and perforate four squeeze holes @ 375'. POOH w/ wireline, RD lubricator
13. If casing tested in #12, ND BOP and NU wellhead. Establish circulation in 5½ x 8⅝" & 8⅝ x 13⅜" annuli and squeeze 115 sx C cmt w/ 2% CaCl₂ (1.32 ft³/sk yield, 151.8 ft³ slurry volume, calculated fill 112' in 13⅜" casing) 375 – 275'. If unable to squeeze cmt, contact NMOCD for balanced plug approval. **Surface casing shoe plug**
14. RIH w/ four 2½" strip-jet perforating charges on wireline, and perforate four squeeze holes @ 50'. POOH w/ wireline. ND BOP, NU wellhead. Circulate 40 sx C cement (1.32 ft³/sk yield, 66.0 ft³ slurry volume, calculated fill 60' in 13⅜" casing) 50' to surface. **surface plug**
15. 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 -- Permian Basin Business Unit

Date: July 7, 2006

RKB @ 3910'
DF @
GL @ 3900'



17-1/2" Hole
40 sx C cmt perf/sqz 50' to surface
13-3/8" 48# H-40 @ 325'
Cmt'd w/375 sx
TOC @ surface
115 sx C cmt perf/sqz 375 - 275'

Top of Salt @ 1840'
TOC 8-5/8" Csg @ 1,910' (T.S.)
75 sx C cmt perf/sqz 1,840 - 1,740' WOC & TAG

Base Salt @ 2880'
40 sx C cmt perf/sqz 2,980 - 2,880' WOC & TAG

TOC 5-1/2" Csg @ 3,300' (T.S.)
25 sx C cmt 3,400 - 3,147'
11" Hole
8-5/8" 28# @ 3350'
Cmt w/575 sx

25 sx C cmt 4,189 - 3,936'

7-7/8" Hole

25 sx C cmt 6,104 - 5,851'

25 sx C cmt 8,568 - 8,315'
CIBP @ 8568'

8646-8684 8689-8698
8735-8739 8741-8744
8863-8884

5-1/2" 17# @ 8975' w/ 750 sx
Cmt'd w/750 sx

PBTD: 8568'
TD: 8975'

VAU #2-02 WBDs

Subarea : Buckeye
Lease & Well No. : Vacuum Abo Unit Tract 2, Well No. 02
Legal Description : 660' FNL & 2310' FWL, Sec. 25, T-17-S, R-35-E
County : Lea State : New Mexico
Field : Vacuum (Abo Reef)
Date Spudded : Dec. 15, 1961 Rig Rel: Feb. 8, 1962
API Number : 30-025-02868
Status : Proposed Plugged
Drilled as Scharbauer No. 2 State Lse No. E-6704

Stimulation History:

Interval	Date	Type	Gals	Lbs. Sand	Max Press	ISIP	Max Rate
		Perf Abo 8646-8884 (select fire)					
8646-8884	2/14/65	Mud Acid	1,000		3200	1800	
8646-8884		15% Acid	5,000				
8646-8884	1/25/65	15% DS-30	750		250		
	5/30/86	Shut-in -- uneconomical to operate					
	1/5/90	Return to production					
	8/26/94	Set CIBP @ 8568', circulate packer fluid					
		Temporarily Abandoned					



PROPOSED PLUGGING PROCEDURE

- 1) CIBP @ 8,568' w/ 25 sx C cmt 8,568 - 8,315'
- 2) 25 sx C cmt 6,104 - 5,851'
- 3) 25 sx C cmt 4,189 - 3,936'
- 4) 25 sx C cmt 3,400 - 3,147'
- 5) 40 sx C cmt 2,980 - 2,880 WOC & TAG
- 6) 75 sx C cmt perf/sqz 1,840 - 1,740' WOC & TAG
- 7) 115 sx C cmt perf/sqz 375 - 275'
- 8) 40 sx C cmt perf and sqz 50' to surface

Capacities

4-1/2" 9.5# csg:	10.960 ft/ft3	0.0912 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
7-5/8" 26.4# csg:	3.775 ft/ft3	0.2648 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
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	0.66 ft3/ft

Formation Tops:

Top Salt	1840'
Base Salt	2880'
Yates	2972'
Seven Rivers	3135'
Queen	3859'
Grayburg	4189'
San Andres	4523'
Glorieta	6104'
Drinkard	6292'
Abo	8338'