

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.

30-025-02998

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

B-1565

7. Lease Name or Unit Agreement Name

Vacuum Abo Unit Battery 3 Tract #12

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 ☒ Water Injection

2. Name of Operator

ConocoPhillips Company ATTN: Celeste Dale

3. Address of Operator

3303 N. Street, Bldg. 6 #247, Midland, Texas 79705-5406

4. Well Location

Unit Letter M : 330 feet from the South line and 990 feet from the West line
Section 33 Township 17-S Range 35-E NMPM County Lea

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

3,950' GR

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 PROPOSED 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 [Signature] TITLE James F. Newman, P.E. (Triple N Services) DATE 12/14/06

Type or print name
For State Use Only

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

APPROVED BY [Signature]
Conditions of Approval (if any):

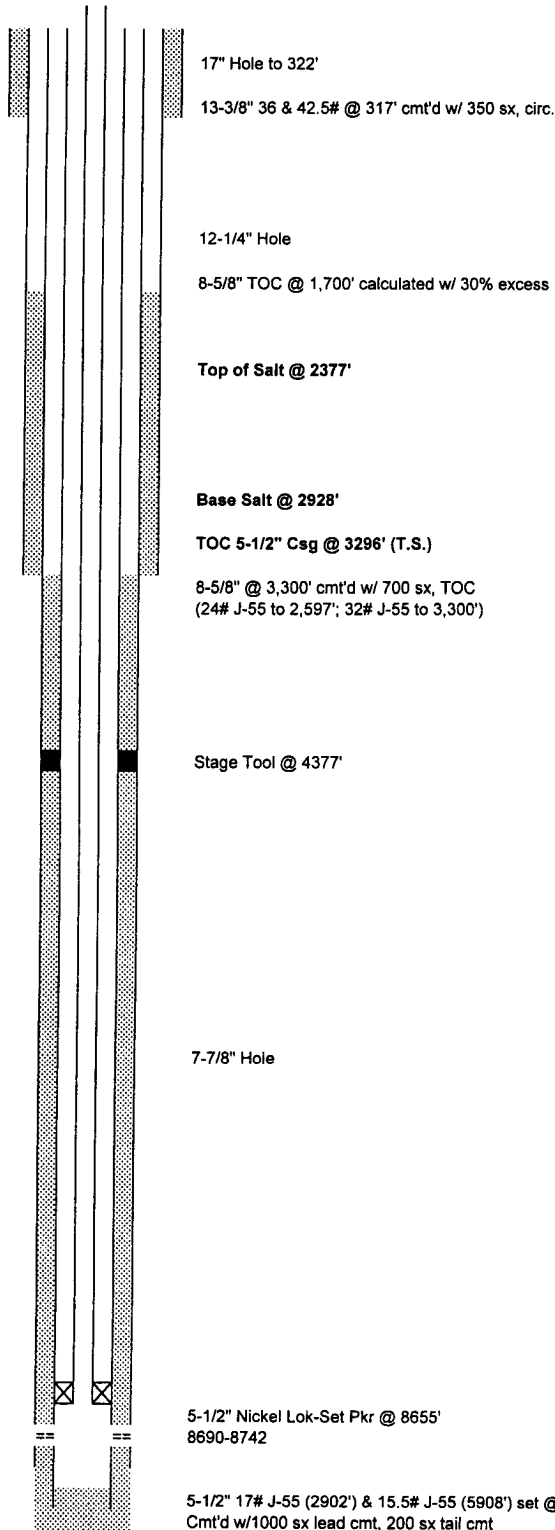
OCD FIELD REPRESENTATIVE II/STAFF MANAGER
TITLE DEC 19 2006

WELLBORE SKETCH

ConocoPhillips Company -- Mid-Continent BU / Odessa

Date: November 27, 2006

RKB @ 3963'
DF @ 3962'
GL @ 3950'



PBTD: 8785'
TD: 8910'

Subarea : Buckeye
Lease & Well No. : Vacuum Abo Unit Battery 3, Tract 12, Well No. 2W
Legal Description : 330' FSL & 990' FWL, Sec. 33, T-17-S, R-35-E
County : Lea State : New Mexico
Field : Vacuum (Abo Reef)
Date Spudded : June 4, 1961 Rig Rel: Aug. 8, 1961
API Number : 30-025-02998
Status : Temporarily Abandoned
Drilled as Tidewater State "N" No. 2 State Lease No. B-1565

Stimulation History:

Interval	Date	Type	Gals	Lbs. Sand	Max Press	ISIP	Max Rate
7/6/41		Perforate 5-1/2" w/2 shots @ 4360 - Squeeze w/25 sacks Squeeze with 231 sacks - displace 25 sacks to bottom Junk fell in hole around tubing and stuck @ 4463' Cut 5-1/2" casing @ 4418' Cement around top @ 4418' w/300 sx; TOC @ 3330' Drill out to 8785' Perforate 8690-8742'					
8690-8742	5/19/67	15% Regular	2,000		2000	300	2.0
8642-8690	4/30/69	28% Acid	5,000				
3/16/84		Convert to water injection					

Formation Tops:

Rustler	
Top Salt	2377'
Yates	
Base Salt	2928'
Queen	3963'
Grayburg	4048'
San Andres	4337'
Glorieta	6064'
Clearfork	
Abo	8316'

5-1/2" Nickel Lok-Set Pkr @ 8655'
8690-8742

5-1/2" 17# J-55 (2902') & 15.5# J-55 (5908') set @ 8,902'
Cmt'd w/1000 sx lead cmt, 200 sx tail cmt

ConocoPhillips Company

Proposed Plugging Procedure

Vacuum Abo Unit Battery 3 Block 12 #02

API #30-025-02998

Vacuum Abo Reef Field

Lea County, New Mexico

Casings: 13 $\frac{3}{8}$ " 36/42.5# casing @ 317' cmt'd w/ 350 sx, circulated
8 $\frac{5}{8}$ " 24/32# casing @ 3,300' cmt'd w/ 700 sx, TOC 1,700' calculated
5 $\frac{1}{2}$ " 15.5 & 17# casing @ 8,902' cmt'd w/ 1,200 sx, TOC 3,296' by T.S.
Open perforations 8,690 – 8,742'

- Assumes injection tubing & Loc-set packer @ 8,655'
 - 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. POOH w/ injection equipment as present.
 2. If packer not pulled, RIH w/ gauge ring for 5 $\frac{1}{2}$ " 17# casing to 8,655'. POOH w/ gauge ring.
 3. RIH w/ HM tbg-set CIBP on 2 $\frac{3}{8}$ " workstring to 8,655'. RU cementer and set CIBP @ 8,655'. Circulate hole w/ 10 ppg 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# csg) 8,655 – 8,402'. **Abo plug**
 4. POOH w/ tubing to 6,064'. Load hole w/ 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# csg) 6,064 – 5,811'. **Glorieta plug**
 5. POOH w/ tubing to 4,427'. Load hole w/ mud & pump 25 sx C cmt (1.32 ft³/sk yield, 33.0 ft³ slurry volume, calculated fill 247' in 5 $\frac{1}{2}$ " 17# csg) 4,427 – 4,180'. **San Andres / Grayburg & DV tool plug**
 6. POOH w/ tubing to 3,400'. Load hole w/ mud & pump 25 sx C cmt (1.32 ft³/sk yield, 33.0 ft³ slurry volume, calculated fill 247' in 5 $\frac{1}{2}$ " 15.5# csg) 3,400 – 3,153'. **Intermediate casing shoe plug**
 7. RU lubricator and RIH w/ wireline, perforate 5 $\frac{1}{2}$ " casing @ 3,028' w/ four 1-11/16" link-jet charges. POOH w/ wireline.
 8. RIH w/ AD-1 packer to 2,700'. 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, 99.0 ft³ slurry volume, calculated fill 154' in 8 $\frac{5}{8}$ " 32# casing) 3,028 – 2,874'. WOC & tag this plug no deeper than 2,928'. POOH w/ packer. **Base of salt plug**

9. RU lubricator and RIH w/ wireline, perforate 5½" casing @ 2,377' w/ four 1-11/16" link-jet charges. POOH w/ wireline.
10. RIH w/ AD-1 packer to 2,000'. 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, 99.0 ft³ slurry volume, calculated fill 154' in 8½" 32# casing) 3,028 – 2,874'. WOC & tag this plug no deeper than 2,277'. POOH w/ packer. **Base of salt plug**
11. RIH w/ wireline, perforate 5½" & 8½" casings @ 367' w/ four 3½" strip-jet charges. POOH w/ wireline.
12. RIH w/ AD-1 packer to 60'. Load hole w/ mud, set packer, and establish rate into perforations at 500 psi or less. Squeeze 110 sx C cmt w/ 2% CaCl₂ (1.32 ft³/sk yield, 145 ft³ slurry volume, calculated fill 177' in 12¼" openhole) 367 – 190'. WOC & tag this plug no deeper than 267'. POOH w/ packer. **Surface casing shoe plug**
13. RIH w/ wireline, perforate 5½" & 8½" casings @ 50' w/ four 3½" strip-jet charges. POOH w/ wireline.
14. ND BOP & NU wellhead. Circulate 50 sx C cmt (1.32 ft³/sk yield, 66.0 ft³ slurry volume, calculated fill 75' in 13¾" 48# csg) 50' to surface. **surface plug**
15. RDMO location.
16. 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.

Date: December 14, 2006

RKB @	<u>3963'</u>
DF @	<u>3962'</u>
GL @	3950'

Subarea : Buckeye
Lease & Well No. : Vacuum Abo Unit Battery 3, Tract 12, Well No. 2W
Legal Description : 330' FSL & 990' FWL, Sec. 33, T-17-S, R-35-E
County : Lea State : New Mexico
Field : Vacuum (Abo Reef)
Date Spudded : June 4, 1961 Rig Rel: Aug. 8, 1961
API Number : 30-025-02998
Status : **PROPOSED PLUGGED**
Drilled as Tidewater State "N" No. 2 State Lease No. B-1565

Stimulation History:

Simulation History							
Interval	Date	Type	Gals	Lbs. Sand	Max Press	Max ISIP	Max Rate
	7/6/41	Perforate 5-1/2" w/2 shots @ 4360 - Squeeze w/25 sacks Squeeze with 231 sacks - displace 25 sacks to bottom Junk fell in hole around tubing and stuck @ 4463' Cut 5-1/2" casing @ 4418' Cement around top @ 4418' w/300 sx; TOC @ 3330' Drill out to 8785' Perforate 8690-8742'					
8690-8742	5/19/67	15% Regular	2,000		2000	300	2.0
8642-8690	4/30/69	28% Acid	5,000				
	3/16/84	Convert to water injection					



PROPOSED PLUGGING PROCEDURE

- 1) set CIBP @ 8,655'
- 2) 25 sx C cmt 8,655 - 8,402'
- 3) 25 sx C cmt 6,064 - 5,811'
- 2) 25 sx C cmt 4,427 - 4,180'
- 3) 25 sx C cmt 3,400 - 3,153'
- 4) Perf & sqz 40 sx C cmt 3,028 - 2,928' TAG
- 5) Perf & sqz 40 sx C cmt 2,377 - 2,277' TAG
- 6) Perf & sqz 110 sx C cmt 367 - 267' TAG
- 7) Perf & sqz 50 sx C cmt 50' to surface, circulate

Capacities

4-1/2" 9.5# csg:	10.960	ft/ft3	0.0912	ft3/ft
5-1/2" 15.5# csg:	7.485	ft/ft3	0.1336	ft3/ft
5-1/2" 17# csg:	7.661	ft/ft3	0.1305	ft3/ft
7" 24# csg:	4.567	ft/ft3	0.2190	ft3/ft
7-5/8" 26.4# csg:	3.775	ft/ft3	0.2649	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
13-3/8" 48# csg:	1.134	ft/ft3	0.8818	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
12-1/4" openhole:	1.222	ft/ft3	0.8185	ft3/ft

Formation Tops:

Rustler	
Top Salt	2377'
Yates	
Base Salt	2928'
Queen	3963'
Grayburg	4048'
San Andres	4337'
Glorieta	6064'
Clearfork	
Abo	8316'

Perf & sqz 50 sx C cmt 50'
circulate cmt to surface

Perf & sqz 110 sx C cmt 367 - 267' TAG

12-1/4" Hole

8-5/8" TOC @ 1,700' calculated w/ 30% excess

Perf & sqz 40 sx C cmt 2,377 - 2,277' TAG
Top of Salt @ 2377'

Base Salt @ 2928'
Perf & sqz 40 sx C cmt 3,028 - 2,928' TAG
 TOC 5-1/2" Csg @ 3296' (T.S.)
 8-5/8" @ 3,300' cm't'd w/ 700 sx, TOC
25 sx C cmt 3,400 - 3,153'

Stage Tool @ 4377'
25 sx C cmt 4.427 - 4.180'

7-7/8" Hole

25 sx C cmt 6,064 - 5,811'

25 sx C cmt 8,655 - 8,402'
set CIBP @ 8.655'

8690-8742

5-1/2" 17# J-55 (2902') & 15.5# J-55 (5908') set @ 8,902'
Cmt'd w/1000 sx lead cmt. 200 sx tail cmt

PBTD: 8785'
TD: 8910'