

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.	30-025-02158
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
6. State Oil & Gas Lease No.	B-4118
7. Lease Name or Unit Agreement Name Lea	
8. Well Number	003
9. OGRID Number	217817
10. Pool name or Wildcat	Vacuum Grayburg San Andres

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 B : 660 feet from the North line and 1,980 feet from the East line
Section 31 Township 17-S Range 34-E NMPM County Lea

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

4,085' GR 4,098' 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

THE OIL CONSERVATION DIVISION
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 03/22/07

Type or print name

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

For State Use Only

APPROVED BY:

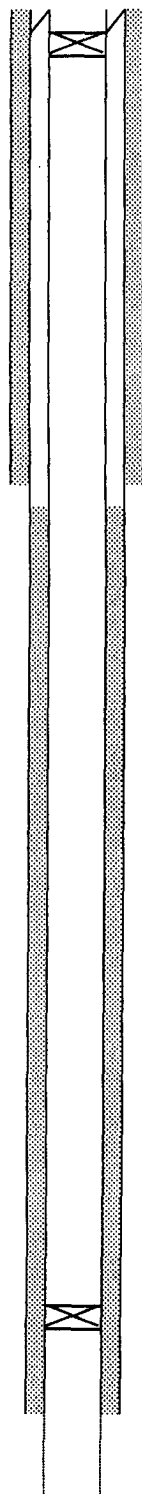
TITLE FIELD REPRESENTATIVE II/STAFF MANAGER MAR 27 2007

Conditions of Approval (if any):

WELLBORE SKETCH
ConocoPhillips Company -- Lower 48 - Mid-Continent BU/Odessa

Date: January 15, 2006

RKB @ 4098.3'
 DF @ 4096.0'
 GL @ 4085.15'



Casing leak @ 17'
5-1/2\" RBP @ 63'

11\" Hole
8-5/8\" 24# Csg @ 1515.35'
 Cmt'd w/800 sx, circ
 TOC @ Surface
TOC 5-1/2\" Csg @ 1625' (T.S.)

Top Salt @ 2013'

Base Salt @ 2509'

5-1/2\" RBP @ 4417'
7-7/8\" Hole
5-1/2\" 14# J-55 @ 4495.3'
 Cmt'd w/1000 sx
 TOC @ 1625' (T.S.)

4-3/4\" Hole
Openhole 4495'-4730'

PBTD @ 4730'
 TD @ 4730'

Subarea : Buckeye
 Lease & Well No. : Lea No. 3
 Legal Description : 660' FNL & 1980' FEL, Sec. 31, T-17-S, R-34-E
 County : Lea State : New Mexico
 Field : Vacuum (Grayburg-San Andres)
 Date Spudded : 5/12/48 Rig Released: 6/5/48
 API Number : 30-025-02158
 Status : _____
State Lease No. B-4118

Stimulation History:

<u>Interval</u>	<u>Date</u>	<u>Type</u>	<u>Gals</u>	<u>Lbs. Sand</u>	<u>Max Press</u>	<u>ISIP</u>	<u>Max Rate</u>	<u>Down</u>
DRILLED WITH CABLE TOOLS FROM 4495' - 4730'								
4630-4730	7/19/48	15% Acid	1,000					
4500-4630	7/22/48	15% Acid	1,000					
4500-4630	7/24/48	15% Acid	3,000					
4630-4730	7/29/48	15% Acid	5,000					
4495-4730	10/27/62	Refined Oil (RO)	30,000	90,000	6000	4500		
	12/19/2006	Set RBP @ 4417'						
		Casing leak @ 17'						
	12/27/06	Set RBP @ 63'						

FORMATION TOPS:

Top Salt 2013'
 Base Salt 2509'
 Queen 3843'
 Grayburg 4212'
 San Andres 4630'

ConocoPhillips

Proposed Plugging Procedure

Lea #3

API #30-025-02158

Vacuum (Grayburg-San Andres) Field

Lea County, New Mexico

Casings: 8 $\frac{5}{8}$ " 24# casing @ 1,515' cmt'd w/ 800 sx, circulated
5 $\frac{1}{2}$ " 14# casing @ 4,495' cmt'd w/ 1,000 sx, TOC @ 1,625' by T.S.
NOTE: Some records indicate 5 $\frac{1}{2}$ " 15.5# casing
Open hole 4,495 – 4,730'

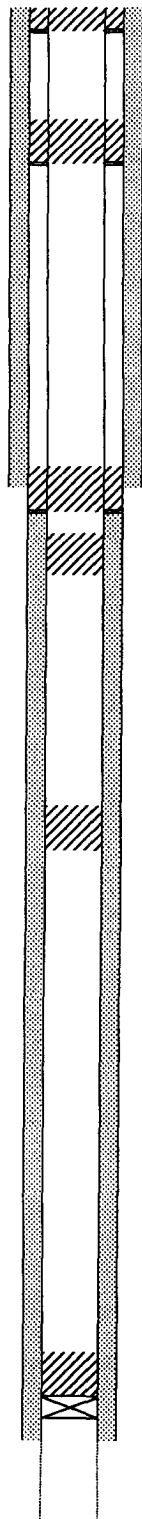
- RBP's set @ 63' & 4,417' (December 2006)
 - Notify NMOCD 48 hrs prior to move in, and 4 hrs prior to plugs
 - Hold daily tailgate safety meetings w/ crews
 - Contact NM DIGTESS (1-800-321-2537) minimum 48 hrs prior to move-in
1. Set steel pit and flow down well as needed. MIRU plugging equipment. ND wellhead and NU 6" 5,000# hydraulic BOP.
 2. RIH w/ 2 $\frac{3}{8}$ " workstring and retrieve RBP @ 63'.
 3. RIH w/ 2 $\frac{3}{8}$ " workstring to RBP @ 4,417'. RU cementer and circulate hole w/ plugging mud. Engage & release RBP, POOH w/ RBP.
 4. RIH w/ HM tubing-set CIBP on 2 $\frac{3}{8}$ " workstring to 4,445'. Set CIBP @ 4,445' and 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) 4,445 – 4,204'. POOH w/ tubing to 2,609'. **Grayburg San Andres 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) 2,609 – 2,368'. POOH w/ tubing to 1,886'. **Base of salt plug**
 6. 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) 1,886 – 1,645'. POOH w/ tubing. **Top of salt plug**
 7. RU lubricator and RIH w/ four 1-11/16" link-jet perforating charges on wireline, and perforate 5 $\frac{1}{2}$ " casing with four squeeze holes @ 1,565'. POOH w/ wireline.
 8. RIH w/ AD-1 packer to ~1,200'. Load hole w/ mud and set packer. Establish rate into perforations at 1,200 psi or less. Squeeze 50 sx C cement w/ 2% CaCl₂ (1.32 ft³/sk yield, 66.0 ft³ slurry volume, calculated fill 195' in 7 $\frac{7}{8}$ " open hole) 1,565 – 1,370'. WOC & tag this plug no deeper than 1,465'. POOH w/ packer. If unable to establish rate at 1,200 psi or less, contact NMOCD for balanced plug approval. **Surface casing shoe plug**
 9. RU lubricator and RIH w/ four 1-11/16" link-jet perforating charges on wireline, and perforate 5 $\frac{1}{2}$ " casing with four squeeze holes @ 400'. POOH w/ wireline.

10. RIH w/ AD-1 packer to 180'. Load hole w/ mud and set packer. Establish rate into perforations at 800 psi or less. Squeeze 35 sx C cement w/ 2% CaCl_2 (1.32 ft³/sk yield, 46.2 ft³ slurry volume, calculated fill 129' in 8⁵/₈" 24# casing) 400 - 271'. WOC & tag this plug no deeper than 300' if required by NMOCD. POOH w/ packer. If unable to establish rate at 800 psi or less, contact NMOCD for balanced plug approval. **Freshwater plug**
11. RU lubricator and RIH w/ four 1-11/16" link-jet perforating charges on wireline, and perforate 5¹/₂" casing with four squeeze holes @ 60'. POOH w/ wireline.
12. ND BOP, NU wellhead. Establish rate into perforations at 500 psi or less and circulate 20 sx C cement (1.32 ft³/sk yield, 26.4 ft³ slurry volume, calculated fill 74' in 8⁵/₈" 24# casing) 60' to surface. If unable to establish rate at 500 psi or less, contact NMOCD for balanced plug approval. **surface plug**
13. 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/Odessa

Date: March 21, 2007

RKB @ 4098.3'
 DF @ 4096.0'
 GL @ 4085.15'



Casing leak @ 17'

Perf/sqz 20 sx C cmt 60' to surface

Perf/sqz 35 sx C cmt 400 - 300'

11" Hole

8-5/8" 24# Csg @ 1515.35' cmt'd w/ 800 sx, circ.

Perf/sqz 50 sx C cmt 1,565 - 1,465' WOC/TAG
 TOC 5-1/2" Csg @ 1625' (T.S.)

25 sx C cmt 1,886 - 1,645'

Top Salt @ 2013'

Base Salt @ 2509'

25 sx C cmt 2,609 - 2,368'

7-7/8" Hole

25 sx C cmt 4,445 - 4,204'
 Set CIBP @ 4,445', circulate plugging mud

5-1/2" 14# J-55 @ 4495.3' cmt'd w/ 1,000 sx, TOC 1,625' by T.S.

4-3/4" Hole
 Openhole 4495'-4730'

PBTD @ 4730'
 TD @ 4730'

Subarea : Buckeye
 Lease & Well No. : Lea No. 3
 Legal Description : 660' FNL & 1980' FEL, Sec. 31, T-17-S, R-34-E
 County : Lea State : New Mexico
 Field : Vacuum (Grayburg-San Andres)
 Date Spudded : 5/12/48 Rig Released: 6/5/48
 API Number : 30-025-02158
 Status : PROPOSED PLUGGED
 State Lease No. B-4118

Stimulation History:

Interval	Date	Type	Gals	Lbs. Sand	Max Press	ISIP	Max Rate	Down
DRILLED WITH CABLE TOOLS FROM 4495' - 4730'								
4630-4730	7/19/48	15% Acid	1,000					
4500-4630	7/22/48	15% Acid	1,000					
4500-4630	7/24/48	15% Acid	3,000					
4630-4730	7/29/48	15% Acid	5,000					
4495-4730	10/27/62	Refined Oil (RO)	30,000	90,000	6000	4500		
	12/19/2006	Set RBP @ 4417'						
		Casing leak @ 17'						
	12/27/06	Set RBP @ 63'						



PROPOSED PLUGGING PROCEDURE

- 1) Pull RBP's @ 63' & 4,417'
- 2) Set CIBP @ 4,445', circulate plugging mud
- 3) 25 sx C cmt 4,445 - 4,204'
- 4) 25 sx C cmt 2,609 - 2,368'
- 5) 25 sx C cmt 1,886 - 1,645'
- 6) Perf/sqz 50 sx C cmt 1,565 - 1,465' WOC/TAG
- 7) Perf/sqz 35 sx C cmt 400 - 300'
- 8) Perf/sqz 20 sx C cmt 60' to surface

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:

Top Salt	2013'
Base Salt	2509'
Queen	3843'
Grayburg	4212'
San Andres	4630'