

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. 30-025-02901
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. B-1840-1
7. Lease Name or Unit Agreement Name Vacuum Glorieta East Unit Tract 27
8. Well Number 2
9. OGRID Number 217817
10. Pool name or Wildcat Vacuum Glorieta

11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,935' GL 3,944' RKB
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Pit or Below-grade Tank Application <input checked="" type="checkbox"/> or Closure <input type="checkbox"/>
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

**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 <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other
2. Name of Operator ConocoPhillips Company ATTN: Celeste Dale
3. Address of Operator 3300 N. "A" Street, Bldg. 6 #247, Midland, TX 79705-5406
4. Well Location Unit Letter K : 1,980 feet from the South line and 2,180 feet from the West line Section 27 Township 17-S Range 35-E NMPM County Lea

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: ☐

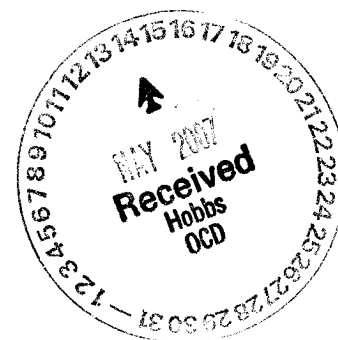
SUBSEQUENT REPORT OF:

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 and 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 05/15/07

Type or print name James F. Newman E-mail address: jim@triplenservices.com Telephone No. 432-687-1994

For State Use Only

APPROVED BY: Gary W. Wink TITLE FIELD REPRESENTATIVE II/STAFF MANAGER DATE

Conditions of Approval (if any):

MAY 18 2007

# WELLBORE SKETCH

ConocoPhillips Company -- Lower 48 - Mid-Continent BU / Permian Operations

Date: March 27, 2007

RKB @ 3944'  
DF @ 3943'  
GL @ 3935'

Subarea : Buckeye  
Lease & Well No. : Vacuum Glorieta East Unit, Tract 27, Well 02  
Legal Description : 1980' FSL & 2180' FWL, Sec. 27, T-17-S, R-35-E  
County : Lea State : New Mexico  
Field : Vacuum Glorieta  
Date Spudded : Oct. 16, 1957 Rig Released: Oct. 24, 1957  
API Number : 30-025-02901  
Status :  
Drilled as Chevron 4-27 No. 7 State Lease B-1840-1

## Stimulation History:

Interval	Date	Type	Gals	Lbs. Sand	Max Press	ISIP	Max Rate	Max Down
3110-3118	10/27/57	Perforate 3110-3118 w/4 jsfp						
	10/27/57	Refined Oil Frac	6,400				13.3	
3085-3090	10/31/57	Perforate 3085-3090 w/4 jsfp						
	11/1/57	Regular Acid	2,000					
3060-3066	11/3/57	Perforate 3060-3066 w/4 jsfp						
	11/3/57	Mud Acid	2,000		3200		2.3	
	11/6/57	Squeeze 3060-3066 w/100 sx						
	11/7/57	Perforate 3046-3052						
3046-3052	11/7/57	Mud Acid	2,000		1050		5.0	
	11/12/57	Squeeze 3046-3052 w/100 sx						
	3/5/64	Deepen from 3245' to 6270'						
		Set 4-1/2" casing cementing off perforations 3085-90' & 3110-18'						
	3/26/64	Perforate 6051-6163, 53 shots						
6051-6163	3/5/74	15% NE	1,000		1,000	Vac	2.0	
6051-6163	1/11/88	15% HCl	3,000			Vac		
	5/19/88	Squeeze 6051-6163 w/200 sx						
		Drill out cement to 6070'						
		Perforate 6051-6054 and 6062-6065						
6051-6065		15% NEFE HCl	600					
	8/25/04	Set 4-1/2" CIBP @ 5992'						

12-1/4" Hole

TOC 7" Csg @ 184' (Calc.)

9-5/8" 35# @ 414'

Cmt'd w/200 sx, circ 63 sx

TOC @ Surface

Top Salt @ 2,150'

TOC 4-1/2" @ 2814' (CBL)

Base of Salt @ 2,990'

Seven Rivers

3046-3052 3060-3066 - Sqz'd w/ 200 sx

3085-3090 3110-3118

8-3/4" Hole to 3250'

7" 20# & 25# @ 3245'

Cmt'd w/475 sx

TOC @ 184' (Calc.)

4-1/2" CIBP @ 5992'

Glorieta

6051-6054 6062-6065

TOC @ 6070'

6051-6053 6062-6072 }

6083-6089 6102-6104 }

6107-6126 6130-6132 } Sqz'd w/200 sx

6142-6144 6147-6150 }

6152-6154 6158-6163 }

7-7/8" Hole

4-1/2" 9.5# & 11.6# @ 6268'

Cmt'd w/350 sx

TOC @ 2814' (CBL)

## NOTE:

10/85 Rods parted, attempt to release pkr w/no success. Cut tbg @ 6055', attempt to fish, left part of fishing tools in hole.

Fish consists of 3 3/8" x 3 5/16" x 13' bowl & grapple w/guide, 21' of 2-3/8" 4.7# tbg, 2-3/8" SN, 4"x2-3/8" perf sub, and 4-1/2" Baker H-2 Lok-set pkr w/BPOB

## Formation Tops:

Yates	2870'
Seven Rivers	3026'
Queen	3687'
San Andres	4328'
Glorieta	5961'
Clearfork	6046'

PBTD: 5992'  
OTD: 3245'  
NTD: 6270'

## ConocoPhillips

### Proposed Plugging Procedure

**Vacuum Glorieta East Unit #27-02**  
**Vacuum Glorieta Field**  
**Lea County, New Mexico**  
**API #30-025-02901**

Casings: 9 $\frac{5}{8}$ " 36# casing @ 414' cmt'd w/ 200 sx, circulated  
7" 20 & 25# casing @ 3,245' cmt'd w/ 475 sx, TOC 184' calculated  
4 $\frac{1}{2}$ " 9.5 & 11.6# casing @ 6,268' cmt'd w/ 350 sx, TOC 2,814' by CBL.  
perforations 6,051 – 6,065' (Glorieta)  
**TA'd w/ CIBP set @ 5,992'**

- 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, tag CIBP @ 5,992'. RU cementer and circulate hole w/ 10 ppg plugging mud, pump 25 sx C cmt (1.32 ft<sup>3</sup>/sk yield, 33.0 ft<sup>3</sup> slurry volume, calculated fill 362' in 4 $\frac{1}{2}$ " 9.5# casing) 5,992 – 5,630'. **Glorieta plug**
  3. POOH w/ tubing to 3,300' and pump 40 sx C cmt w/ 2% CaCl<sub>2</sub> (1.32 ft<sup>3</sup>/sk yield, 52.8 ft<sup>3</sup> slurry volume, calculated fill 579' in 4 $\frac{1}{2}$ " 9.5# casing) 3,300 – 2,721'. WOC & TAG this plug no deeper than 2,850'. POOH w/ tubing. **7" shoe & base of salt plug**
  4. RU lubricator and RIH w/ wireline, perforate 4 $\frac{1}{2}$ " casing @ 2,150' w/ four 1-11/16" link-jet charges. POOH w/ wireline.
  5. RIH w/ AD-1 packer to 1,600'. Load hole w/ mud, set packer, and establish rate into perforations at 1,500 psi or less. Squeeze 40 sx C cmt w/ 2% CaCl<sub>2</sub> (1.32 ft<sup>3</sup>/sk yield, 52.8 ft<sup>3</sup> slurry volume, calculated fill 126' in 8 $\frac{3}{4}$ " openhole) 2,150 – 2,024'. WOC & tag this plug no deeper than 2,050' **Top of Salt plug**
  6. RU lubricator and RIH w/ wireline, perforate 4 $\frac{1}{2}$ " & 7" casings @ 464' w/ four 2 $\frac{1}{2}$ " strip-jet charges. POOH w/ wireline.
  7. RIH w/ AD-1 packer to 120'. Load hole w/ mud, set packer, and establish rate into perforations at 1,000 psi or less. Squeeze 60 sx C cmt w/ 2% CaCl<sub>2</sub> (1.32 ft<sup>3</sup>/sk yield, 79.2 ft<sup>3</sup> slurry volume, calculated fill 182' in 9 $\frac{5}{8}$ " 36# casing) 464 – 282'. WOC & TAG this plug no deeper than 364'. **Surface casing shoe plug**
  8. If circulation not obtained in #7, RIH w/ wireline, perforate 4 $\frac{1}{2}$ " & 7" casings @ 60' w/ four 2 $\frac{1}{2}$ " strip-jet charges. POOH w/ wireline.

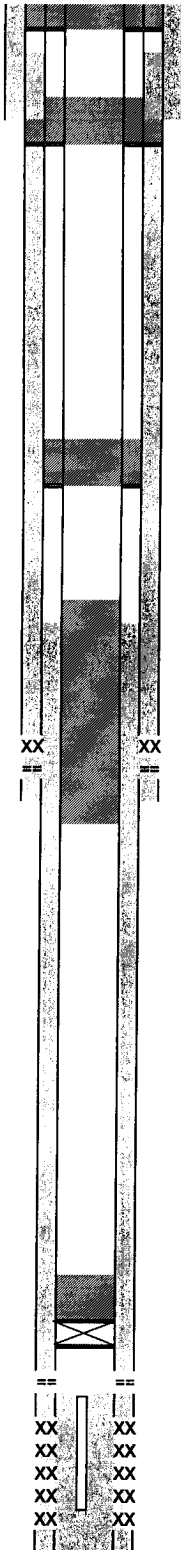
9. ND BOP & NU wellhead. Establish circulation in 4½ x 9⅝" annulus via perforations @ 60', circulate 25 sx C cmt (1.32 ft<sup>3</sup>/sk yield, 33.0 ft<sup>3</sup> slurry volume, calculated fill 76' in 9⅝" 36# casing) 60' to surface. **surface plug**
10. RDMO location.
11. Clean steel pit & haul fluids 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 / Permian Operations

Date: May 15, 2007

RKB @ 3944'  
DF @ 3943'  
GL @ 3935'



Perf/sqz 25 sx C cmt 60' to surface

TOC 7" Csg @ 184' (Calc.)

9-5/8" 35# @ 414' cmt'd w/ 200 sx, clrc 63 sx

Perf/sqz 60 sx C cmt 464 -364' WOC & TAG

Top Salt @ 2,150'

Perf/sqz 40 sx C cmt 2,150 - 2,050' WOC & TAG

8-3/4" Hole to 3250'

TOC 4-1/2" @ 2814' (CBL)

Base of Salt @ 2,990'

Seven Rivers

3046-3052 3060-3066 - Sqz'd w/ 200 sx  
3085-3090 3110-3118

7" 20# & 25# @ 3245' w/ 475 sx, TOC 184' calc

40 sx C cmt 3,300 - 2,850' WOC & TAG

25 sx C cmt 5,992 - 5,630'

4-1/2" CIBP @ 5992'

Glorieta

6051-6054 6062-6065  
TOC @ 6070'  
6051-6053 6062-6072 }  
6083-6089 6102-6104 }  
6107-6126 6130-6132 } Sqz'd w/200 sx  
6142-6144 6147-6150 }  
6152-6154 6158-6163 }

7-7/8" Hole

4-1/2" 9.5# & 11.6# @ 6268'

Cmt'd w/350 sx

TOC @ 2814' (CBL)

PBTD: 5992'  
OTD: 3245'  
NTD: 6270'

VGEU #27-02 WBDs.xls

Subarea : Buckeye  
Lease & Well No. : Vacuum Glorieta East Unit, Tract 27, Well 02  
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API Number : 30-025-02901  
Status : PROPOSED PLUGGED  
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6051-6163	1/11/88	15% HCl	3,000				Vac	
	5/19/88	Squeeze 6051-6163 w/200 sx						
		Drill out cement to 6070'						
		Perforate 6051-6054 and 6062-6065						
6051-6065		15% NEFE HCl	600					
	8/25/04	Set 4-1/2" CIBP @ 5992'						



## PROPOSED PLUGGING PROCEDURE

- 1) 25 sx C cmt 5,992 - 5,630'
- 2) 40 sx C cmt 3,300 - 2,850' WOC & TAG
- 3) Perf/sqz 40 sx C cmt 2,150 - 2,050' WOC & TAG
- 4) Perf/sqz 60 sx C cmt 464 -364' WOC & TAG
- 5) Perf/sqz 25 sx C cmt 60' 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" 24# csg:	2.797 ft/ft3	0.3575 ft3/ft
9-5/8" 36# csg:	2.304 ft/ft3	0.4340 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

## NOTE:

10/85 Rods parted, attempt to release pkr w/no success. Cut tbg @ 6055', attempt to fish, left part of fishing tools in hole.  
Fish consists of 3 3/8" x 3 5/16" x 13' bowl & grapple w/guide, 21' of 2-3/8" 4.7# tbg, 2-3/8" SN, 4"x2-3/8" perf sub, and 4-1/2" Baker H-2 Lok-set pkr w/BPOB

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Jim Newman  
5/15/2007