

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.	<b>30-025-02141</b>
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
6. State Oil & Gas Lease No.	<b>B-4118</b>
7. Lease Name or Unit Agreement Name	<b>Lea</b>
8. Well Number	<b>004</b>
9. OGRID Number	<b>217817</b>
10. Pool name or Wildcat	<b>Vacuum Grayburg San Andres</b>

**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-104) 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. "A" Street, Bldg. 6 #247, Midland, Texas 79705-5406**

4. Well Location  
Unit Letter **I** : **660** feet from the **East** line and **1,980** feet from the **South** line  
Section **29** Township **17-S** Range **34-E** NMPM County **Lea**

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
**4,086' 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 PLUGGED WELLBORE DIAGRAM

**06/18/07 Monday** Contacted NMOCD. MIRU Triple N rig #23 and plugging equipment. Held safety meeting. Set steel pit. ND wellhead, NU BOP. Unable to release packer. Turned off packer, left packer in hole. POOH laying down injection tubing. RIH w/ 4½" HM tbg-set CIBP on 138 jts 2½" workstring to 4,381'. RU cementer and set CIBP @ 4,381'. Circulated hole w/ mud and pumped 25 sx C cmt 4,381 – 4,014'. POOH w/ tubing. SDFN.

**06/19/07 Tuesday** Held safety meeting. RIH w/ wireline and perforated casing @ 2,900', POOH w/ wireline. RIH w/ packer to 2,540'. Loaded hole, set packer, unable to establish rate at 1,800 psi. Ok'd by OCD, Maxi Brown to pump balanced plug. RIH w/ tubing to 2,952', pumped 25 sx C cmt w/ 2% CaCl<sub>2</sub> 2,952 – 2,582'. POOH w/ tubing and WOC and tagged cmt @ 2,600'. PUH and perforated casing @ 1,500', POOH w/ wireline. RIH w/ packer to 1,143'. Loaded hole, set packer, established rate of 2 BPM @ 1,000 psi. Squeezed 40 sx C cmt w/ 2% CaCl<sub>2</sub> @ 1,500'. POOH w/ packer. Tagged cmt @ 1,354', POOH w/ wireline. ND BOP. RIH w/ tubing to 412'. SD due to weather for 3 hrs. Pumped 35 sx C cmt 412' to surface. POOH w/ tubing. Topped off wellbore. SDFN.

**06/20/07 Wednesday** Held safety meeting. RDMO

Cut off wellhead & anchors, installed dry hole marker, backfilled cellar.

**Approved as to plugging of the Well Bore.**  
**Liability under bond is retained until**  
**surface restoration is completed.**

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 **06/28/07**

Type or print name  
**For State Use Only**

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

APPROVED BY:  TITLE **OC FIELD REPRESENTATIVE II/STAFF MANAGER** DATE \_\_\_\_\_

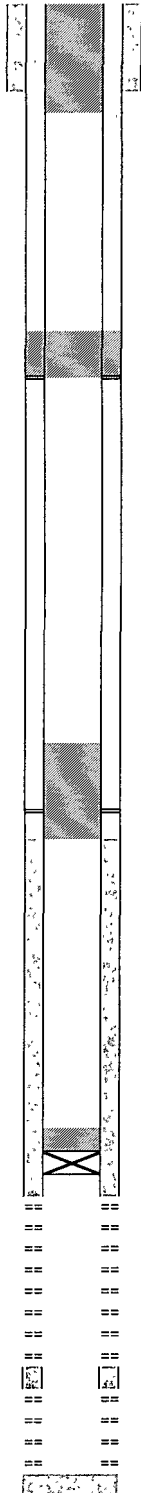
Conditions of Approval (if any)

**JUL 05 2007**

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

Date June 28, 2007

RBM @ 4086 7'  
 DF @ 4085 9'  
 GL @ 4074 0'



11" Hole

**8-5/8" 24# J-55 @ 326'**  
 Cmt'd w/275 sx, circ 24 sx  
 TOC @ Surface  
**35 sx C cmt 412' to surface**  
 Sqz csg leak @ 475' w/500 sx cmt

**Perf & Sqz 40 sx C cmt 1,500 -1,354' TAGGED**  
 Top Salt @ ~1,500' est.

**Base Salt @ 2,800'**  
**25 sx C cmt 2,952 - 2,600' TAGGED**  
 Perforated casing @ 2,900' unable to establish rate @ 1,800 psi

TOC 4-1/2" Csg @ 2975' (T.S.)

**25 sx C cmt 4,381 - 4,014'**  
**Set CIBP @ 4,381'**  
**Grayburg**  
 == == 4435' - 4451' w/2 SPF (32 holes) Z3  
 == == 4459' - 4464' w/2 SPF (10 holes) Z4  
 == == 4502' - 4508' w/2 SPF (12 holes) Z5  
 == == 4528' - 4539' w/2 SPF (22 holes) Z5  
 == == 4549' - 4552' w/2 SPF ( 6 holes) Z5  
 == == 4561' - 4576' w/2 SPF (30 holes) Z6  
 == == 4588' - 4595' w/2 SPF (14 holes) Z6  
 == == 4599' - 4605' w/2 SPF (12 holes) Z6  
**San Andres**  
 == == 4643' - 4653' w/2 SPF (20 holes) SA  
 == == 4689' - 4697' w/2 SPF (16 holes) SA  
 == == 4706' - 4710' w/2 SPF ( 8 holes) SA  
 == == 4724' - 4729' w/2 SPF (10 holes) SA

6-3/4" Hole  
**4-1/2" 11.6# N-80 LT&C @ 4769'**  
 Cmt'd w/300 sx  
 TOC @ 2975' (T S )

PBTD 4752'  
 TD 4770'

Lease & Well No  
 Legal Description

**Lea 4W**  
 1980' FSL & 660' FEL, Sec 29, T17S, R34E

County Lea State New Mexico  
 Field Vacuum (Grayburg/San Andres)  
 Date Spudded Jun 13, 1961 Rig Released Jun 28, 1961  
 API Number 30-025-02141  
 Status **PLUGGED 06/20/07** State Lease B-4118

## **Stimulation History:**

Interval	Date	Type	Gals	Lbs. Sand	Max Press	ISIP	Max Rate	Max Down
	6/27/61	Perforate Grayburg (4435-4605 and San Andres 4643-4729' w/2 SPF (192 holes)						
4435-4729	6/27/61	Refined Oil (RO)	30,000	45,000				
	8/10/61	Install rod pumping equipment						
4435-4729	8/28/69	28% HCl	1,000		800	500	1 8	
	11/21/73	Set 2-3/8" IPC tubing @ 4357' Convert to water injection						
4435-4729	8/14/75	28% HCl	3,100		3600	3000	3 2	
4435-4729	12/22/76	28% HCl	5,000		3950		3 4	
4435-4729	1/26/78	15% HCl	1,000					
		80Q Foam	8,000					
		40Q Foam	10,300		4200			
	2/5/91	<b>Isolate csg leak @ 475'. Sqz w/500 sx</b>						
4435-4729	2/15/91	20% NEFE HCl	5,000	600# RS	3150	2400	3 0	
	10/24/01	Set packer at 4118' with 2-3/8" J-55 IPC tubing						
		Reactivated						
	4/2005	Shut-in						



## **PLUGS SET 06/18/07 - 06/20/07**

- 1) Set CIBP @ 4,381'
- 2) 25 sx C cmt 4,381 - 4,014'
- 3) 25 sx C cmt 2,952 - 2,600' TAGGED
- 4) Perf & Sqz 40 sx C cmt 1,500 -1,354' TAGGED
- 5) 35 sx C cmt 412' to surface

## **Capacities**

4 1/2" 11.6# csg	11 468	ft/ft3	0 0872	ft3/ft
6 3/4" openhole	4 024	ft/ft3	0 2485	ft3/ft
8 5/8" 24# csg	2 797	ft/ft3	0 3575	ft3/ft
11" openhole	1 515	ft/ft3	0 66	ft3/ft

## **Formation Tops:**

Rustler	1535'
Yates	2844'
Queen	3837'
Grayburg Z1	4246'
Grayburg Z2	4305'
Grayburg Z3	4395'
Grayburg Z4	4453'
Grayburg Z5	4490'
Grayburg Z6	4556'
Grayburg Z7	4608'
San Andres	4642'