

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<br>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-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. "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:

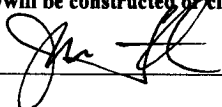
REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐  
OTHER: ☐

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 WELLBORE DIAGRAMS & PLUGGING PROCEDURE

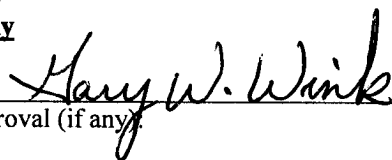
**THE OIL CONSERVATION DIVISION MUST  
BE NOTIFIED 24 HOURS PRIOR TO THE  
BEGINNING OF PLUGGING OPERATIONS.**

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 **06/08/07**

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)

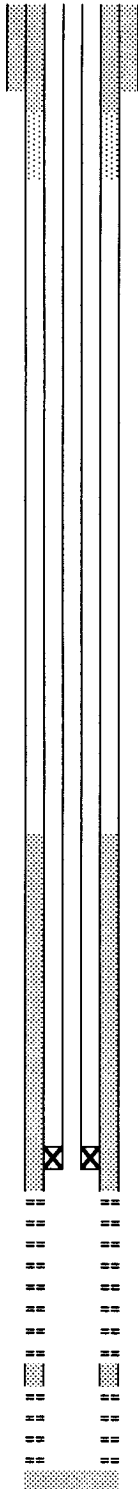
**JUN 12 2007**

# WELLBORE SKETCH

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

Date: May 21, 2007

RBM @ 4086.7'  
DF @ 4085.9'  
GL @ 4074.0'



11" Hole

8-5/8" 24# J-55 @ 328'  
Cmt'd w/275 sx, circ 24 sx  
TOC @ Surface

Sqz csg leak @ 475' w/500 sx cmt

Top Salt @ ~1,500' est.

Base Salt @ +/- 2800'  
TOC 4-1/2" Csg @ 2975' (T.S.)

Packer @ 4118'

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. :

Lea 4W

Legal Description :

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:

CURRENT

State Lease B-4118

## Stimulation History:

| Interval  | Date     | Type                                                                        | Gals   | Lbs. Sand | Max Press | ISIP | Max Rate | 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   | Isolate csg leak @ 475'. Sqz w/500 sx                                       |        |           |           |      |          |      |
| 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                                                                     |        |           |           |      |          |      |

## 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' |

## ConocoPhillips

### Proposed Plugging Procedure

#### Lea #4

API #30-025-02141

Vacuum Grayburg San Andres Field

Lea County, New Mexico

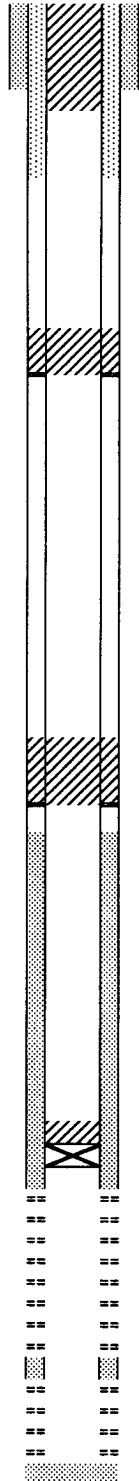
Casings: 8<sup>5</sup>/<sub>8</sub>" 24# casing @ 326' cmt'd w/ 275 sx, circ. to surface  
4<sup>1</sup>/<sub>2</sub>" 11.6# casing @ 4,769' cmt'd w/ 300 sx, TOC @ 2,975'  
Open Perforations @ 4,435 – 4,729'

- 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 Triple N pulling unit. ND wellhead and NU BOP. POOH laying down injection tubing and packer.
  2. RIH w/ HM tbg set CIBP on 2<sup>3</sup>/<sub>8</sub>" workstring. RU cementer & set CIBP @ 4,385'. Circulate hole w/ plugging mud and pump 25 sx C cmt (1.32 ft<sup>3</sup>/sk yield, 33.0 ft<sup>3</sup> slurry volume, calculated fill 378' in 4<sup>1</sup>/<sub>2</sub>" 11.6# casing) 4,385 – 4,007'. POOH w/ tbg. **Grayburg San Andres plug**
  3. RU lubricator and RIH w/ four 1-11/16" link-jet perforating charges on wireline, perforate four squeeze holes @ 2,900'. POOH w/ wireline, RD lubricator.
  4. RIH w/ AD-1 packer to 2,400'. Set packer and establish rate into perforations at 1,000 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 212' in 6<sup>3</sup>/<sub>4</sub>" openhole) 2,900 – 2,688'. WOC & tag this plug no deeper than 2,800', POOH w/ packer. **Base of salt plug**
  5. RU lubricator and RIH w/ four 1-11/16" link-jet perforating charges on wireline, perforate four squeeze holes @ 1,500'. POOH w/ wireline, RD lubricator.
  6. RIH w/ AD-1 packer to 1,000'. Set packer and establish rate into perforations at 1,000 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 212' in 6<sup>3</sup>/<sub>4</sub>" openhole) 1,500 – 1,288'. WOC & tag this plug no deeper than 1,400', POOH w/ packer. **Top of salt plug**
  7. POOH w/ tubing to 400' and pump 30 sx C cmt (1.32 ft<sup>3</sup>/sk yield, 39.6 ft<sup>3</sup> slurry volume, calculated fill 454' in 4<sup>1</sup>/<sub>2</sub>" 11.6# casing) 400' to surface. **Surface plug**
  8. POOH w/ tubing, top off wellbore w/ cmt as needed. ND BOP. RDMO location.
  9. 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: June 8, 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

30 sx C cmt 400' to surface

Sqz csg leak @ 475' w/500 sx cmt

Perf & Sqz 40 sx C cmt 1,500- 1,400' TAG  
 Top Salt @ ~1,500' est.

Base Salt @ 2,800'

Perf & Sqz 40 sx C cmt 2,900 - 2,800' TAG

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

25 sx C cmt 4,385 - 4,007'

Set CIBP @ 4,385'

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. :

**Lea 4W**

Legal Description :

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:

**PROPOSED PLUGGED**

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   | Isolate csg leak @ 475'. Sqz w/500 sx                                       |        |           |           |      |          |          |
| 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                                                                     |        |           |           |      |          |          |



## **PROPOSED PLUGGING PROCEDURE**

- 1) Set CIBP @ 4,385'
- 2) 25 sx C cmt 4,385 - 4,007'
- 3) Perf & Sqz 40 sx C cmt 2,900 - 2,800' TAG
- 4) Perf & Sqz 40 sx C cmt 1,500 - 1,400' TAG
- 5) 30 sx C cmt 400' 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' |