

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

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
May 27, 2004

WELL API NO. **20314**
30-025-20134
5. Indicate Type of Lease
STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
B-1497

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

7. Lease Name or Unit Agreement Name
East Vacuum GBSA Unit Tract 2622

8. Well Number **086**

9. OGRID Number

217817

10. Pool name or Wildcat

Vacuum Grayburg San Andres

4. Well Location

Unit Letter **C**: **990** feet from the **North** line and **2,307** feet from the **West** line
Section **26** Township **17-S** Range **35-E** NMPM County **Lea**

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

3,910' GR 3,923' 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 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 **03/22/07**

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 **MAR 27 2007**

Conditions of Approval (if any):

WELL BORE SKETCH

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

Date: March 14, 2007

RKB @	<u>3923'</u>
DF @	<u>3920'</u>
GL @	<u>3910'</u>

Subarea :	Buckeye		
Lease & Well No. :	East Vacuum GB/SA Unit, Tract 2622, Well No. 086		
Legal Description :	990' FNL & 2307' FWL, Sec. 26, T17S, R35-E		
County :	Lea	State :	New Mexico
Field :	Vacuum (Grayburg-San Andres)		
Date Spudded :	Sept. 25, 1963	Rig Released:	Oct. 24, 1963
API Number :	30-025-20314		
Status:			
Drilled as Santa Fe 86	State Lease No. B-1497		

Stimulation History:

	<u>Interval</u>	<u>Date</u>	<u>Type</u>	<u>Gals</u>	<u>Sand</u>	<u>Press</u>	<u>ISIP</u>	<u>Rate</u>	<u>Down</u>
Squeeze 108 sx 1418-2128'		10/25/63	Perforate 8572-8897, 2 jspf, 254 holes						
Squeeze 37 sacks cement 1650-2150	8572-8897	10/26/63	15% Regular Acid	1,000		5500	4800	1.0	
Squeeze 223 sx cement 2128-2150	8572-8897	10/28/63	Retarded Acid	20,000		5900	4750	4.2	
Spot 75 sx cement 2128-1418'		11/2/63	Spot 100 sx cement 8913-8039, heavy mud 8039-6700'						
Top of Salt @ ~1,900'			Spot 50 sx cement 6700'-6392'						
TOC 5-1/2" Csg @ 2150' (CBL) (9/06)		11/3/63	Perforate Gloria 6162-6186, 2 jspf						
	6162-6186	11/5/63	15% Acid	500		2300		1.4	
		11/9/63	Squeeze 6162-6186 w/100 sx cement						
		11/10/63	Perforate 6170-6182, 2 jspf						
TOC 8-5/8" Csg @ 2,600' by T.S.	6170-6182	11/11/63	15% Acid	500		3800	1800	1.3	
Base Salt @ ~2,600'		11/13/63	Squeeze 6170-6182 w/75 sx cmt						
12-1/4" Hole		11/14/63	Perforate 6152-6158 and 6162-6166						
	6152-6166	11/15/63	15% Acid	500		2700	1400	1.8	
		6/19/74	Spot sand plug 6392-6125; spot 175 sx cement 6125-4648'						
8-5/8" 24# J-55 @ 3,250' w/ 400 sx, TOC 2,600' by TS		6/20/74	Perforate San Andres, 2 spf, 4506-4542						
	4506-4542	6/22/74	15% HCl	1,000		3500	1000	4.0	
			28% HCl	5,000		3200	1500	6.2	
		6/25/74	Set Retainer @ 4482'						
		7/18/74	Squeeze 4506-4542 w/125 sx cement						
		7/19/74	Perforate 4444-4466						
5-1/2" CIBP @ 4344'	4444-4466	7/20/74	15% Acid	1,000					
San Andres	4444-4466	7/20/74	28% Acid	2,000		2500	600	3.8	
4444-4466	4444-4466	7/23/74	28% Acid	3000		2350	Vac	5.4	
4471-4475 4484-4492		1/25/80	15% NEFE HCl	2,000	900# RS	2100	1000	2.6	
4506-4515		2/4/94	Drill out retainer @ 4482', cleanout to 4610'						
4506-4514 4522-4532		2/8/94	Perforate 4584-4596'						
4536-4542 - Sqz'd w/125 sx	4444-4596	2/15/94	Perforate 4471-4475, 4484-4492, 4506-4515, 4522-4542 & 4550-4564						
4522-4542 4550-4564	4444-4596	2/16/94	15% NEFE	4,500	3500# RS	2736	1773	3.4	
4584-4596	4444-4596	7/4/95	15% NEFE	5,000	2500# RS	2413	1386	4.5	
Cleaned out to 4610'		11/28/95	15% NEFE	5,000	3000# RS	2059	1500	4.5	
		9/14/06	Set RBP @ 4353'						
		9/18/06	Run CBL - TOC 5-1/2" casing @ 2150'						
		9/19/06	Shoot 2 holes @ 2110' and 2050'						
Spot 175 sx cement 6125-4648'		9/25/06	Shoot 4 holes @ 1680'						
		10/3/06	Squeeze 37 sacks cement 1650-2150						
			Squeeze 223 sx cement 2128-2150						
			Squeeze 108 sx 1418-2128'						
6152-6158 6162-6166		10/27/06	Spot 75 sx cement 2128-1418'						
6162-6186 - Sqz'd w/100 sx		10/30/06	Drill out cement						
6170-6182 - Sqz'd w/75 sx		11/2/06	Release RBP @ 4337'						
		3/13/07	Set 5-1/2" CIBP @ 4344'						
50 sx cement 6700'-6392'									

1718192021222324252627

Received

Mar 2007

Hobbs

OCB

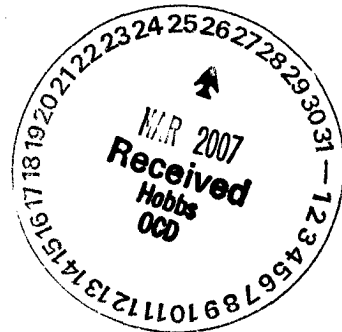
Heavy Mud 8039-6700'

NOTE:

Junk in Hole:
 1 3-1/2" x 11" Loaded gu8n carrier
 1 3-1/2" x 7' unloaded carrier
 1 3" x 37" collar loc
 1 2-11/32" x 8" fishing nexx w/1' of wire on top
OVERALL LENGTH OF FISH 22-1/2'

Formation Tops:

Rustler	1655'
Yates	2925'
Queen	3760'
San Andres	4397'
Glorieta	6025'
Abo	8572'



PBTD: 4344'
TD: 9000'

ConocoPhillips

Proposed Plugging Procedure

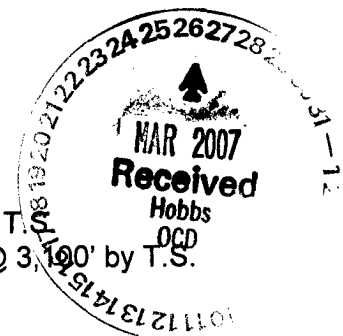
East Vacuum Grayburg San Andres Unit Tract 2622 #086

API #30-025-20314

Vacuum (Grayburg-San Andres) Field

Lea County, New Mexico

Casings: 13 $\frac{3}{8}$ " 48# JS casing @ 312' cmt'd w/ 375 sx, circulated
8 $\frac{5}{8}$ " 24# J-55 casing @ 3,250' cmt'd w/ 400 sx, TOC 2,600' by T.S.
5 $\frac{1}{2}$ " 14 & 15.5# casing @ 9,000' cmt'd w/ 760 sx, initial TOC @ 3,100' by T.S.
San Andres perforations 4,444 – 4,596'



- TA'd w/ CIBP @ 4,344' (March 13, 2007)
 - Bradenhead squeeze (total 358 sx) down 5 $\frac{1}{2}$ x 8 $\frac{5}{8}$ " annulus 10/03/06 TOC 2,150' by CBL
 - 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 $\frac{3}{4}$ " workstring to CIBP @ 4,344'. RU cementer and circulate hole w/ plugging mud. 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) 4,344 – 4,103'. POOH w/ tubing to 3,330'. **Grayburg San Andres plug**
 3. 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) 3,330 – 3,089'. POOH w/ tubing. **Intermediate casing shoe plug**
 4. RU lubricator and RIH w/ four 2 $\frac{1}{2}$ " strip-jet perforating charges on wireline, and perforate 5 $\frac{1}{2}$ " & 8 $\frac{5}{8}$ " casings with four squeeze holes @ 2,600'. POOH w/ wireline.
 5. RIH w/ AD-1 packer to ~2,200'. Load hole w/ mud and set packer. Establish rate into perforations at 1,500 psi or less. Squeeze 75 sx C cement w/ 2% CaCl₂ (1.32 ft³/sk yield, 99.0 ft³ slurry volume, calculated fill 121' in 12 $\frac{1}{4}$ " open hole) 2,600 – 2,479'. WOC & tag this plug no deeper than 2,500'. POOH w/ packer. If unable to establish rate at 1,500 psi or less, contact NMOCD for approval to pump & tag 25 sx balanced plug @ 2,650'. **Base of salt plug**
 6. RU lubricator and RIH w/ four 2 $\frac{1}{2}$ " strip-jet perforating charges on wireline, and perforate 5 $\frac{1}{2}$ " & 8 $\frac{5}{8}$ " casings with four squeeze holes @ 1,900'. POOH w/ wireline.
 7. RIH w/ AD-1 packer to ~1,500'. Load hole w/ mud and set packer. Establish rate into perforations at 1,500 psi or less. Squeeze 75 sx C cement w/ 2% CaCl₂ (1.32 ft³/sk yield, 99.0 ft³ slurry volume, calculated fill 121' in 12 $\frac{1}{4}$ " open hole) 1,900 – 1,779'. WOC & tag this plug no deeper than 1,800'. POOH w/ packer. If unable to establish rate at 1,500 psi

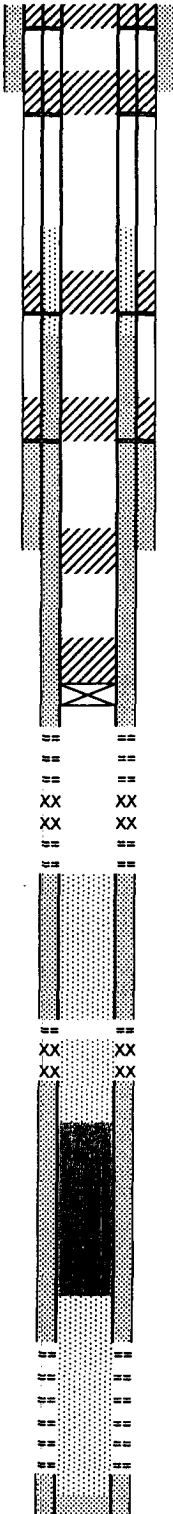
or less, contact NMOCD for approval to pump & tag 25 sx balanced plug @ 1,950'. **Base of salt plug**

8. RU lubricator and RIH w/ four 2½" strip-jet perforating charges on wireline, and perforate 5½" & 8⅝" casings with four squeeze holes @ 362'. POOH w/ wireline.
9. RIH w/ AD-1 packer to ~120'. Load hole w/ mud and set packer. Establish rate into perforations at 500 psi or less. Squeeze 110 sx C cement w/ 2% CaCl₂ (1.32 ft³/sk yield, 145 ft³ slurry volume, calculated fill 177' in 12¼" open hole) 362 – 185'. WOC & tag this plug no deeper than 262'. POOH w/ packer. If unable to establish rate at 500 psi or less, contact NMOCD for balanced plug approval. **Surface casing shoe plug**
10. RIH w/ four 2½" strip-jet perforating charges on wireline, and perforate 5½" & 8⅝" casings with four squeeze holes @ 60'. POOH w/ wireline.
11. ND BOP, NU wellhead. Establish rate into perforations at 500 psi or less and circulate 45 sx C cement (1.32 ft³/sk yield, 59.4 ft³ slurry volume, calculated fill 67' in 13⅜" 48# casing) 60' to surface. If unable to establish rate at 500 psi or less, contact NMOCD for balanced plug approval. **surface plug**
12. 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 / Permian Operations

Date: March 22, 2007

RKB @ 3923'
 DF @ 3920'
 GL @ 3910'



Perf/sqz 45 sx C cmt 60' to surface

17-1/2" Hole
 13-3/8" 48# JS @ 312' w/ 375 sx, circulated

Perf/sqz 110 sx C cmt 362 - 262' WOC/TAG

Perf/sqz 75 sx C cmt 1,900 - 1,800' WOC/TAG

Squeeze 108 sx 1418-2128'
 Squeeze 37 sacks cement 1650-2150
 Squeeze 223 sx cement 2128-2150
 Spot 75 sx cement 2128-1418'
 Top of Salt @ ~1,900'
 TOC 5-1/2" Csg @ 2150' (CBL) (9/06)

TOC 8-5/8" Csg @ 2,600' by T.S.
 Base Salt @ ~2,600'

Perf/sqz 75 sx C cmt 2,600 - 2,500' WOC/TAG

12-1/4" Hole
 8-5/8" 24# J-55 @ 3,250' w/ 400 sx, TOC 2,600' by TS
 25 sx C cmt 3,330 - 3,089'

Circulate plugging mud from CIBP

25 sx C cmt 4,344 - 4,103'

5-1/2" CIBP @ 4344'

San Andres

4444-4466

4471-4475 4484-4492

4506-4515

4506-4514 4522-4532

4536-4542 - Sqz'd w/125 sx

4522-4542 4550-4564

4584-4596

Cleaned out to 4610'

Spot 175 sx cement 6125-4648'

6152-6158 6162-6166

6162-6186 - Sqz'd w/100 sx

6170-6182 - Sqz'd w/75 sx

50 sx cement 6700'-6392'

Heavy Mud 8039-6700'

100 sx cement 8913-8039'

Abo

8572-8589 8638-8646 8658-8665

8671-8687 8692-8697 8704-8712

8721-8728 8742-8758 8771-8773

8780-8782 8790-8796 8808-8812

8820-8826 8830-8835 8848-8851

8873-8878 8884-8894

7-7/8" Hole

5-1/2" 14# & 15.5# J-55 @ 9000'

Cmt'd w/760 sx cement

TOC @ 3100' (T.S.)

PBTD: 4344'
 TD: 9000'

Subarea: Buckeye
 Lease & Well No.: East Vacuum GB/SA Unit, Tract 2622, Well No. 086
 Legal Description: 990' FNL & 2307' FWL, Sec. 26, T17S, R35-E
 County: Lea State: New Mexico
 Field: Vacuum (Grayburg-San Andres)
 Date Spudded: Sept. 25, 1963 Rig Released: Oct. 24, 1963
 API Number: 30-025-20314
 Status: PROPOSED PLUGGED
 Drilled as Santa Fe 86 State Lease No. B-1497

Stimulation History:

Interval	Date	Type	Gals	Lbs. Sand	Max Press	ISIP	Max Rate	Down
	10/25/63	Perforate 8572-8897, 2 jsfp, 254 holes						
	10/26/63	15% Regular Acid	1,000		5500	4800	1.0	
	10/28/63	Retarded Acid	20,000		5900	4750	4.2	
	11/2/63	Spot 100 sx cement 8913-8039, heavy mud 8039-6700'						
		Spot 50 sx cement 6700'-6392'						
	11/3/63	Perforate Glorieta 6162-6186, 2 jsfp						
	11/5/63	15% Acid	500		2300		1.4	
	11/9/63	Squeeze 6162-6186 w/100 sx cement						
	11/10/63	Perforate 6170-6182, 2 jsfp						
	11/11/63	15% Acid	500		3800	1800	1.3	
	11/13/63	Squeeze 6170-6182 w/75 sx cmt						
	11/14/63	Perforate 6152-6158 and 6162-6166						
	11/15/63	15% Acid	500		2700	1400	1.8	
	6/19/74	Spot sand plug 6392-6125; spot 175 sx cement 6125-4648'						
	6/20/74	Perforate San Andres, 2 spf, 4506-4542						
	6/22/74	15% HCl	1,000		3500	1000	4.0	
		28% HCl	5,000		3200	1500	6.2	
	6/25/74	Set Retainer @ 4482'						
	7/18/74	Squeeze 4506-4542 w/125 sx cement						
	7/19/74	Perforate 4444-4466						
	7/20/74	15% Acid	1,000					
	7/20/74	28% Acid	2,000		2500	600	3.8	
	7/23/74	28% Acid	3000		2350	Vac	5.4	
	1/25/60	15% NEFE HCl	2,000	900# RS	2100	1000	2.6	
	2/4/94	Drill out retainer @ 4482', cleanout to 4610'						
	2/8/94	Perforate 4584-4596'						
	2/15/94	Perforate 4471-4475, 4484-4492, 4506-4515, 4522-4542 & 4550-4564						
	2/16/94	15% NEFE	4,500	3500# RS	2736	1773	3.4	
	7/4/95	15% NEFE	5,000	2500# RS	2413	1386	4.5	
	11/28/95	15% NEFE	5,000	3000# RS	2059	1500	4.5	
	9/14/06	Set RBP @ 4353'						
	9/18/06	Run CBL - TOC 5-1/2" casing @ 2150'						
	9/19/06	Shoot 2 holes @ 2110' and 2050'						
	9/25/06	Shoot 4 holes @ 1680'						
	10/3/06	Squeeze 37 sacks cement 1650-2150						
		Squeeze 223 sx cement 2128-2150						
		Squeeze 108 sx 1418-2128'						
	10/27/06	Spot 75 sx cement 2128-1418'						
	10/30/06	Drill out cement						
	11/2/06	Release RBP @ 4337'						
	3/13/07	Set 5-1/2" CIBP @ 4344'						



PROPOSED PLUGGING PROCEDURE

- 1) Circulate plugging mud from CIBP
- 2) 25 sx C cmt 4,344 - 4,103'
- 3) 25 sx C cmt 3,330 - 3,089'
- 4) Perf/sqz 75 sx C cmt 2,600 - 2,500' WOC/TAG
- 5) Perf/sqz 75 sx C cmt 1,900 - 1,800' WOC/TAG
- 6) Perf/sqz 110 sx C cmt 362 - 262' WOC/TAG
- 7) Perf/sqz 45 sx C cmt 60' to surface

NOTE:

Junk in Hole:
 13-1/2" x 11" Loaded gu8n carrier
 13-1/2" x 7" unloaded carrier
 1 3" x 37" collar loc
 12-11/32" x 8" fishing nexk w/1' of wire on top
OVERALL LENGTH OF FISH 22-1/2'

Formation Tops:

Rustler 1655'
 Yates 2925'
 Queen 3760'
 San Andres 4397'
 Glorieta 6025'
 Abo 8572'