

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

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)		WELL API NO. 30-025-02890
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator ConocoPhillips Company ATTN: Celeste Dale		6. State Oil & Gas Lease No. B-1482
3. Address of Operator 3303 N. "A" Street, Bldg. 6 #247, Midland, Texas 79705-5406		7. Lease Name or Unit Agreement Name East Vacuum GB/SA Unit, Tract 2720
4. Well Location Unit Letter <u>H</u> : <u>1,980</u> feet from the <u>North</u> line and <u>660</u> feet from the <u>East</u> line Section <u>27</u> Township <u>17-S</u> Range <u>35-E</u> NMPM County <u>Lea</u>		8. Well Number 002W
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,935' GL; 3,945' RKB		9. OGRID Number 217817
Pit or Below-grade Tank Application <input checked="" type="checkbox"/> or Closure <input type="checkbox"/>		
Pit type <u>STEEL</u> Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water <u>N/A</u>		
Pit Liner Thickness: <u>STEEL</u> mil Below-Grade Tank: Volume <u>180</u> bbls; Construction Material <u>STEEL</u>		

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input checked="" type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	PLUGBACK <input type="checkbox"/>
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

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 PROPOSED PLUGGING PROCEDURE, CURRENT & PROPOSED PLUGGED DIAGRAMS

RECEIVED

FEB 20 2008


HOBBS OCD

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 **02/19/08**

Type or print name Chris Williams E-mail address: **jim@triplenservices.com** Telephone No. **432-687-1994**
For State Use Only **OC DISTRICT SUPERVISOR/GENERAL MANAGER**

APPROVED BY:  TITLE _____ DATE **MAR 12 2008**
Conditions of Approval (if any): _____

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

Date Feb 18, 2008

RKB @ 3945'
 DF @ 3944'
 GL @ 3935'

Subarea Buckeye
 Lease & Well No East Vacuum GB/SA Unit, Tract 2720, Well No 002W
 Legal Description 1980' FNL & 660' FEL, Sec 27, T-17-S, R-35-E, Unit letter H,
 County Lea State New Mexico
 Field Vacuum (Grayburg-San Andres)
 Date Spudded 3/28/39 Rig Released 5/3/39
 API Number 30-025-02890
 Status _____
 Drilled as Cities Service State K No. 2 State Lease No. B-1482

Stimulation History:

Interval	Date	Type	Gals	Lbs. Sand	Max Press	ISIP	Max Rate	Max Down
	3/28/39	Drill with rotary tools to 4625'						
		8-5/8" Csg set at 1650' and cmt'd with a multiple stage job, 150 sax on btm and 200 sax thru the cementer tool.						
OH 4200-4626	9/2/72	Gelled 9 8# Brine Wtr 15,000 22,000 3800 1800 28 1 15% NE 500						
		Gelled 9 8# Brine Wtr 20,000 30,000 4200 2000 25 9						
OH 4200-4626	10/18/90	15% HCI NEFE LST 5,000 4800# RS 2400 2000 3 5						
	10/23/90	Isolate casing leak from 1832' - 1752'						
	10/29/90	Squeeze casing leak 1752'-1832' w/1800 sx Class C Neat						
	11/13/90	Found leak in csg collars under head						
	10/30/92	Deepen 15' to 4640'						
OH 4200-4626	11/3/92	15% NEFE HCI 3,000 3500# RS 2300 1872 4 0						
	11/6/92	Isolate casing leak from 1758' to 1820'						
	11/9/92	Squeeze casing leak 1758-1820' w/ 300 sx						
OH 4200-4626	7/4/94	15% HCI 4,500 4300# RS 2500 1762 4.3						
	8/20/96	Isolate casing leak from 1918' to 1700'						
	8/21/96	Squeeze casing leak 1700'-1918' w/ 700 sx						
	8/24/96	15% NEFE HCI 3,000 2500# RS 1828 4 7						
	9/17/96	Convert to water injection						
	2/15/08	Set 5-1/2" RBP @ 4150' with 10' sand on top						
	2/15/08	Isolate casing leak from 1742' - 1774'						

12-1/4" Hole

DV Tool @ 270'
 Cmt'd w/200 sx

TOC 8-5/8" Csg @ 1221' (Calc.)

Top of Salt @ +/- 1,750'

8-5/8" 27# casing @ 1650'
 Cmt'd w/150 sx around shoe
 TOC @ 1221' (Calc.)
 Sqz csg lk @ 1700'-1918' w/ 700 sx
 Sqz csg lk @ 1758-1820' w/ 300 sx
 Sqz csg lk @ 1752'-1820' w/1800 sx
 CASING LEAK F/ 1742'-1774'

Base Salt @ +/- 2,880'

TOC 5-1/2" Csg @ 3171' (Calc.)

5-1/2" RBP @ 4150' w/10' sand on top
 7-7/8" Hole
 5-1/2" 17# SS Csg @ 4200'
 Cemented w/ 150 sx cmt
 TOC @ 3171' (Calc.)
 4-3/4" Hole
 OPENHOLE 4200' - 4640'

Formation Tops:

Rustler
 Yates
 7 Rivers
 Gorieta
 San Andres

PBTD. 4150'
 OTD 4625'
 NTD@ 4640'

ConocoPhillips Company

Proposed Plugging Procedure

East Vacuum GB/SA Tract 2720 #002W

API #30-025-02890

Vacuum (Grayburg – San Andres)

Lea County, New Mexico

See attached wellbore diagrams for wellbore configuration

Casings **8 $\frac{5}{8}$ " 28# casing** @ 1,650' cmt'd w/ 2 stages. 1st stage 150 sx. TOC @ 1,221' (Calc.) 2nd stage: DV Tool @ 270', cmt'd w/ 200 sx. TOC @ surface.
 5 $\frac{1}{2}$ " 17# casing @ 4,200' cmt'd w/ 150 sx. TOC @ 3,171'. (Calc.)

Perforations none, openhole 4,200 – 4,640'

Tubulars none

- Verify anchors tested within last two years
 - Notify NMOCD & BLM 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. Deliver 4,200' of 2 $\frac{3}{8}$ " workstring.
 2. MIRU plugging equipment. ND wellhead and NU 6" 3,000# manual BOP. RIH w/ on/off tool on 4,140' of 2 $\frac{3}{8}$ " workstring. NU JU stripper head and RU pump truck, reverse circulate sand off RBP. Latch on to RBP, release, and POOH w/ RBP
 3. RIH w/ 5 $\frac{1}{2}$ " HM tubing-set CIBP to 4,150'. RU cementer and set CIBP @ 4,150'. Displace hole w/ 95 bbls plugging mud, and pump 25 sx C cmt (1.32 ft³/sk yield, 33 ft³ slurry volume, calculated fill 253' in 5 $\frac{1}{2}$ " 17# casing) balanced plug 4,150 – 3,897'. POOH w/ workstring.
 4. RU & test lubricator. RIH w/ wireline & perforate 5 $\frac{1}{2}$ " casing @ 2,980'. POOH w/ wireline.
 5. RIH w/ 5 $\frac{1}{2}$ " AD-1 packer on workstring to ~2,500'. Load hole w/ plugging mud, set packer, and establish rate. Squeeze 40 sx C cmt w/ 2% CaCl₂ (1.32 ft³/sk yield, 52.8 ft³ slurry volume, calculated fill 156' in 7 $\frac{7}{8}$ " openhole). WOC & tag this plug no lower than 2,880'. PUH w/ packer to ~1,350'. **Base of Salt Plug**
 6. RU & test lubricator. RIH w/ wireline & perforate 5 $\frac{1}{2}$ " casing @ 1,750'. POOH w/ wireline.
 7. Load hole w/ plugging mud, set packer, and establish rate. If rate is established into squeeze perforations at 1,500 psi or less, squeeze 50 sx C cmt w/ 2% CaCl₂ (1.32 ft³/sk yield, 66.0 ft³ slurry volume, calculated fill 188' in 8 $\frac{5}{8}$ " 28# csg). If squeeze rate is not established, RIH w/ tubing to 1,800' and pump 25 sx C cmt w/ 2% CaCl₂ (1.32 ft³/sk yield, 33.0 ft³ slurry volume, calculated fill 253' in 5 $\frac{1}{2}$ " 17# csg). WOC & tag this plug no lower than 1,600'. POOH w/ packer. **Top of Salt and Surface Shoe Plug**
 8. SI BOP and pressure test 5 $\frac{1}{2}$ " casing to 1,000 psi. Release pressure.
 9. RU & test lubricator. RIH w/ wireline and perforate 5 $\frac{1}{2}$ " casing @ 320'. POOH w/ wireline.

10. If casing tested in #8, ND BOP & NU wellhead. Establish rate, circulate 90 sx C cmt (1.32 ft³/sk yield, 118.8 ft³ slurry volume, calculated fill 339' in 8⁵/₈" 28# casing). If casing did not test in #6, RIH w/ packer and squeeze this plug under packer. **Fresh Water and Surface Plug**
11. RDMO location.
12. 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 Feb 19, 2008

RKB @ 3945'
 DF @ 3944'
 GL @ 3935'

Subarea : Buckeye
 Lease & Well No East Vacuum GB/SA Unit, Tract 2720, Well No. 002W
 Legal Description 1980' FNL & 660' FEL, Sec. 27, T-17-S, R-35-E, Unit letter H,
 County Lea State New Mexico
 Field Vacuum (Grayburg-San Andres)
 Date Spudded 3/28/39 Rig Released 5/3/39
 API Number 30-025-02890
 Status Proposed Plugged
 Drilled as Cities Service State K No. 2 State Lease No. B-1482

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	8/20/96	Isolate casing leak from 1918' to 1700'						
	8/21/96	Squeeze casing leak 1700'-1918' w/ 700 sx						
	8/24/96	15% NEFE HCl 3,000 2500# RS 1828 4 7						
	9/17/96	Convert to water injection						
	2/15/08	Set 5-1/2" RBP @ 4150' with 10' sand on top						
	2/15/08	Isolate casing leak from 1742' - 1774'						

12-1/4" Hole

DV Tool @ 270', cmt'd w/200 sx
 Perf/sqz 90 sx C cmt 320 - surface

TOC 8-5/8" Csg @ 1221' (Calc.)

8-5/8" 27# casing @ 1650'

Cmt'd w/150 sx around shoe

TOC @ 1221' (Calc.)

Perf/sqz 50 sx C cmt 1,750 - 1,600' WOC & TAG

Top of Salt @ +/- 1,750'

Sqz csg lk @ 1700'-1918' w/ 700 sx

Sqz csg lk @ 1758-1820' w/ 300 sx

Sqz csg lk @ 1752'-1820' w/1800 sx

CASING LEAK F/ 1742'-1774'

Base Salt @ +/- 2,880'

Perf/sqz 40 sx C cmt 2,980 - 2,880' WOC & TAG

TOC 5-1/2" Csg @ 3171' (Calc.)

25 sx C cmt 4,150 - 3,897'

Pull RBP, set CIBP @ 4,150', circulate plugging mud

5-1/2" RBP @ 4150' w/10' sand on top

7-7/8" Hole

5-1/2" 17# SS Csg @ 4200'

Cemented w/ 150 sx cmt, TOC @ 3,171' (Calc.)

4-3/4" Hole

OPENHOLE 4200' - 4640'

PBTD 4150'
 OTD 4625'
 NTD @ 4640'

Prepared by
 Triple N Services



PROPOSED PLUGGING PROCEDURE

- 1) pull RBP
- 2) set CIBP @ 4,150', circulate hole w/ plugging mud
- 3) 25 sx C cmt 4,150 - 3,897'
- 4) Perf/sqz 40 sx C cmt 2,980 - 2,880' WOC & TAG
- 5) Perf/sqz 50 sx C cmt 1,750 - 1,600' WOC & TAG
- 6) Perf/sqz 90 sx C cmt 320 - surface

Capacities

5-1/2" 17# csg	7 661 ft/ft3	0 1305 ft3/ft
	43 01 ft/bbl	0 0232 bbl/ft
8-5/8" 28# csg.	2 853 ft/ft3	0 3505 ft3/ft
	16 02 ft/bbl	0 0624 bbl/ft
7-7/8" openhole	2.957 ft/ft3	0 3382 ft3/ft
	16 60 ft/bbl	0.0602 bbl/ft

Formation Tops:

Rustler
 Yates
 7 Rivers
 Glorieta
 San Andres

February 18, 2008