

District I - (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
District II - (575) 748-1283  
811 S. First St., Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV - (505) 476-3460  
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  
Revised August 1, 2011

<p><b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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.)</p>		<p>WELL API NO. 30-025-34832 ✓</p>
<p>1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other Injection Well <input checked="" type="checkbox"/> <b>HOBBS OCD</b></p>		<p>5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/></p>
<p>2. Name of Operator ConocoPhillips Company ✓</p>		<p>6. State Oil &amp; Gas Lease No.</p>
<p>3. Address of Operator P. O. Box 51810 Midland, TX 79710</p>		<p>7. Lease Name or Unit Agreement Name East Vacuum GB-SA Unit Tract 3127 ✓</p>
<p>4. Well Location Unit Letter <u>I</u> : 2630 feet from the <u>South</u> line and <u>575</u> feet from the <u>East</u> line Section <u>31</u> Township <u>17S</u> Range <u>35E</u> NMPM County <u>Lea</u> ✓</p>		<p>8. Well Number 395 ✓</p>
<p>11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3976' GR</p>		<p>9. OGRID Number 217817</p>
<p>10. Pool name or Wildcat Vacuum; GB-SA</p>		<p>RECEIVED JUN 30 2015</p>

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 ☐  
DOWNHOLE COMMINGLE ☐

OTHER: add pay ☒

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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

ConocoPhillips Company would like to add pay @ 4520'-4640' per attached procedures.  
Attached is a current/proposed wellbore schematic.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

*Rhonda Rogers*

TITLE Staff Regulatory Technician

DATE 06/25/2015

Type or print name Rhonda Rogers

E-mail address: rogerr@conocophillips.com

PHONE: (432)688-9174

For State Use Only

APPROVED BY:

*[Signature]*

TITLE Petroleum Engineer

DATE

07/17/15

Conditions of Approval (if any):

JUL 17 2015

*pm*

**EVGSAU 3127-395W**  
**Pay Add / Acid Job**  
**API #30-025-34832**

**Project Scope**

**Background and Justification:**

The purpose of this project is to prepare this well for CO2 injection. This job will serve to clean out to TD with a bit and scraper, add new perfs, and acidize the perfs for injection.

**Perforations**

Type	Formation	Top	Bottom
Perforations	Grayburg / San Andres	4337'	4461'
Proposed Perforations	Grayburg / San Andres	4520'	4640'
PBTD			4800'

**Procedures:**

1. MIRU service unit. Kill well.
  - a. NOTE: This is an injection well, please use heavy-weight mud as a last resort for well control.
2. Unset injection PKR & TOO H w/ PKR & tubing. LD PKR. Stand back tubing.
3. TIH w/ 2.875" tubing, bit, and scraper sized for 5.5" 15.5# J-55 casing.
  - a. Clean out to 4800' PBTD.
  - b. Circulate well w/ biocide-treated 10# brine.
  - c. If specified depth is not attainable notify PE with findings.
  - d. POOH & LD bit and scraper. LD tubing.
  - e. Send tubing to EL Farmer for inspection and re-coating
4. MIRU Apollo Wireline.
5. NU 5000 psi lubricator (note: use lubricator shop tested to 2,000 psig is acceptable) and RIH w/ 4" perf guns w/ super deep penetrating charges (ch-40g, eh-0.52", pen-52.13")
  - a. **Correlate with Cardinal Surveys Company Injection Profile w/ Caliper log 3-14-2001**
  - b. Pull up to 4640' & perforate from 4640'-4620' (20 ft. 4 SPF 90 degree phasing).
  - c. Pull up to 4570' & perforate from 4570'-4520' (50 ft. 4 SPF 90 degree phasing).
  - d. POOH w/ perf gun assembly & LD guns
6. **Setting the Injection Packer**

**NOTE: Ensure injection PKR has been shop tested to 3000 psi or 1000 psi above MASP.**

A. Well has remained killed during well service	B. Well has been flowing / is hard to keep killed
↓↓	↓↓
1. TIH w/ the following in order from bottom to top. <ol style="list-style-type: none"> <li>a. 2.875" wireline re-entry guide</li> <li>b. 2.875"x2.25" F profile nipple</li> <li>c. 4' TK-99 2.875" joint</li> <li>d. 5.5"x2.875" 17# NP Baker Hughes 10K Hornet PKR w/ CO<sub>2</sub> elements</li> <li>e. On-off tool w/ 2.31" F profile</li> <li>f. 2.875" 6.5# TK-99 tubing. Set PKR @ 4272'.</li> </ol>	1. MIRU wireline services <ol style="list-style-type: none"> <li>a. Pressure test lubricator to 3000 psi or 1000 psi above MASP.</li> </ol>
2. Get off on-off tool & circulate PKR fluid to surface (4264' x .01577 = 67.3 bbls).	2. PU & RIH w/ the following in order from bottom to top. <ol style="list-style-type: none"> <li>a. 2.875" wireline re-entry guide</li> <li>b. 2.875"x2.25" F profile nipple</li> </ol>

**EVGSAU 3127-395W**

**Pay Add / Acid Job**

**API #30-025-34832**

	<ul style="list-style-type: none"> <li>c. 4' TK-99 2.875" joint</li> <li>d. 5.5"x2.875" 17# NP Baker Hughes 10K Hornet PKR w/ CO<sub>2</sub> elements</li> <li>e. 2.875" On-off tool w/ 2.31" F profile</li> </ul>
3. Get back on on-off tool.	3. Use CCL to correlate proposed PKR setting depth & set PKR @ 4272'.
4. NDBOP. NUWH.	4. POOH w/ wireline & bleed off any casing pressure for 20 min to verify isolation. RD wireline
5. RU pump truck and 1000 psi chart recorder. Test casing / PKR to 550 psi for 35 min. a. Notify NMOCD of impending test.	5. TIH w/ top section of on-off tool & 2.875" TK-99 IPC injection tubing. <ul style="list-style-type: none"> <li>a. Pressure test tubing GIH</li> <li>b. Circulate PKR fluid to surface. (4264' x .01577 = 67.3 bbls).</li> <li>c. Engage on-off tool</li> <li>d. Pressure test on-off tool to 2000 psi</li> </ul>
6. RDMO WSU. Clean up location.	6. RU wireline. <ul style="list-style-type: none"> <li>a. Retrieve profile plug in XN nipple</li> <li>b. RDMO wireline</li> </ul>
	7. NDBOP. NUWH.
	9. RU pump truck to casing & test PKR/casing to 550 psi for 35 min. <ul style="list-style-type: none"> <li>a. Notify NMOCD of impending test</li> <li>b. Chart pressure test</li> </ul>
	10. RDMO WSU. Clean up location.

7. MIRU acid pump truck. Test surface lines to 3000 psi.

8. Rig-less Acidizing Schedule

- a. Pump 10# brine and obtain pump in rate: aim for **2-3 BPM at less than 1500 psi**. (reduce rate if pressure looks to exceed 2000 PSI throughout acidizing)
- b. Shut in. Take ISIP, and pressure at 5, 10, and 15 minutes – record all in Wellview.
- c. Flow back well until dead – Report any oil if found in flowback

9. Place well on injection.

10. RDMO

# Proposed Rod and Tubing Configuration

## EAST VACUUM GB-SA UNIT 3127-395W

VERTICAL - MAIN HOLE, 6/24/2015 3:46:40 PM			Tubing Description						Set Depth (ftKB)	
D (ft K B)	Vertical schematic (actual)	Vertical schematic (proposed)	Proposed tubing						4,272.0	
			Jts	Item Des	OD Nominal (in)	Nominal ID (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftKB)
			2	Tubing IPC subs 2.04, 10.25	2 7/8	2.312	6.50	J-55	12.29	25.5
		2-1; Tubing IPC subs 2.04, 10.25; 2 7/8; 2.312; 13.2; 12.29	134	Tubing IPC	2 7/8	2.312	6.50	J-55	4,161.00	4,186.5
			1	Tubing IPC Marker sub	2 7/8	2.312	6.50	J-55	8.00	4,194.5
	1-1; Surface Casing; 8 5/8; 8.097; 13.0; 1.552.00		2	Tubing IPC	2 7/8	2.312	6.50	J-55	62.00	4,256.5
	2-1; Intermediate Casing; 5 1/2; 4.950; 13.0; 4.835.00	2-2; Tubing IPC; 2 7/8; 2.312; 25.5; 4,161.00	1	On-Off Tool w/2.31" profile F nipple	4	2.310			1.50	4,258.0
		2-3; Tubing IPC Marker sub; 2 7/8; 2.312; 4,186.5; 8.00	1	Packer 5.5" X 2 7/8 Hornet 10K	4.8	2.441			8.00	4,266.0
		2-4; Tubing IPC; 2 7/8; 2.312; 4,194.5; 62.00	1	Tubing TK-99 sub	2 7/8	2.312	6.50	J-55	4.00	4,270.0
		2-5; On-Off Tool w/2.31" profile F nipple; 4; 2.310; 4,256.5; 1.50	1	Profile Nipple "F" 2.25"	2 7/8	2.250			1.50	4,271.5
		2-6; Packer 5.5" X 2 7/8 Hornet 10K; 4.80; 2.441; 4,258.0; 8.00	1	Wireline Guide	2 7/8	2.440			0.50	4,272.0
			Rod Description						Set Depth (ftKB)	
			Jts	Item Des	OD (in)	API Grade			Len (ft)	Btm (ftKB)
		2-7; Tubing TK-99 sub; 2 7/8; 2.312; 4,266.0; 4.00								
		2-8; Profile Nipple "F" 2.25"; 2 7/8; 2.250; 4,270.0; 1.50								
		2-9; Wireline Guide; 2 7/8; 2.440; 4,271.5; 0.50								
	Jet Perforation; 4,337.0-4,461.0; 5/16/2000									
		Proposed Perfs; 4,520.0-4,570.0								
		Proposed Perfs; 4,620.0-4,640.0								