

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

<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.)		WELL API NO. 30-025-26551
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other Water Injector		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator ConocoPhillips Company		6. State Oil & Gas Lease No. B-1402-2
3. Address of Operator 4001 Penbrook Street Odessa, TX 79762		7. Lease Name or Unit Agreement Name East Vacuum GB/SA Unit Tract 2717
4. Well Location Unit Letter <u>P</u> : <u>132</u> feet from the <u>South</u> line and <u>1240</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 <u>0058</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3937' RKB & 3927' GL		9. OGRID Number 217817
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>		10. Pool name or Wildcat Vacuum GB/SA
Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____		
Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____		

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 ☐

SUBSEQUENT REPORT OF:

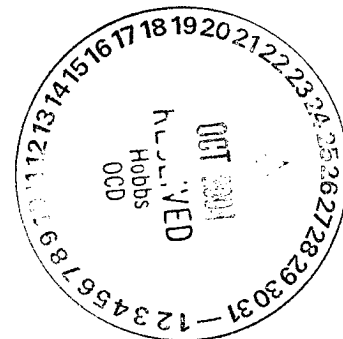
REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: Perform a polymer gel conformance treatment ☒

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.

Procedure and wellbore diagram is attached.



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 Stacey D. Linder TITLE Regulatory Representative DATE 10/18/2004

Type or print name Stacey D. Linder

E-mail address: stacey.d.linder@conocophillips.com Telephone No. (432)368-1506

For State Use Only

APPROVED BY: Larry W. Wink OCT FIELD REPRESENTATIVE II/STAFF MANAGER  
Conditions of Approval (if any):

OCT 26 2004

## **RECOMMENDED POLYMER SQUEEZE TREATMENT PROCEDURE:**

1. Insure that well is on water injection cycle and has been injecting long enough for rates and pressures to stabilize.
2. MIRU Cardinal Surveys. Run Injection Profile log with well on water injection. RDMO Cardinal Surveys.
3. Shut well in for a minimum of 2 days prior to the polymer treatment in order to help reduce near wellbore BHP and allow for reduced polymer treating pressures.
4. Insure that all offset producing wells are on production and remain active at all times during the polymer treatment period.
5. MIRU Gel Technologies Corporation pumping and monitoring equipment.
6. NU Gel-Tec injection line to wellhead. Pressure test line to 2000 psig.
7. Gel-Tec to perform polymer squeeze treatment on the San Andres interval at a proposed rate of 1000 BPD and a maximum surface injection pressure of 1350 psig. Anticipated pump time is approx. 4 days. Polymer treatment will be "bullheaded" into the formation, allowing the gel to take the path of least resistance into fractures. During the time treatment is being pumped, Gel-Tec personnel will monitor all offset producing wells for polymer entry. Offsetting producers will be shut in if evidence of breakthrough occurs and the decision made whether to terminate the polymer squeeze treatment.

## **PUMP SCHEDULE**

<u>Stage</u>	<u>Volume (bbls)</u>	<u>Polymer (ppm)</u>	<u>Polymer (lbs)</u>
Preflush	30		
Gel #1	1000	2,500	912
Gel #2	1000	3,500	1276
Gel #3	800	5,000	1458
Gel #4	500	6,000	1095
Water Flush	90		
Gel Total :	3,300 bbls		4,741 lbs

## **PRODUCTS & SERVICES PROVIDED BY GEL-TEC**

Chemicals  
Polymer hydration and pump unit  
Mobile laboratory  
Electrical power  
Four man crew

## **ITEMS SUPPLIED BY CONOCOPHILLIPS**

Three Frac Tanks each with 5 gal of biocide  
3,500+ bbls of fresh water

8. At completion of treatment, shut well in. RDMO Gel-Tec
11. Leave well shut in for 4 days
12. Place well on water injection.
13. Allow water injection rate and pressure to stabilize. MIRU Cardinal Surveys. Run post-treatment injectivity survey.

**CONOCOPHILLIPS  
WELLBORE DIAGRAM  
EVGSAU #2717-W005**

RKB @ 3937'  
GL @ 3927'

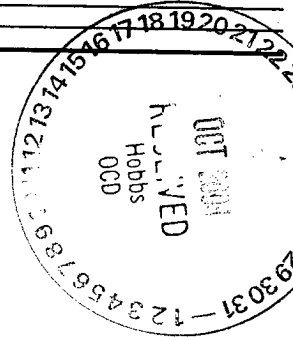
11" Hole  
8-5/8", 24# K-55 ST&C  
Set @ 365'  
Cmt w/ 350 sx cmt.  
TOC @ Surface  
(Circ. 100 sxs.)

Date: April 1, 2004  
  
Lease and Well No.: EVGSAU #2717-W005  
Location: 130' FSL & 1240' FEL  
Sec. 27, T17S-R35E  
  
County/State: Lea County, New Mexico  
Field: Vacuum  
Producing Formations: San Andres  
Spud Date: 11/29/1979  
Completion Date: 02/22/1980  
API Number: 30-025-26551  
Status: Active WAG Injector

CASING DETAIL									
Size	Depth	Wt.	Grade	Conn.	Drift ID	Burst (psi)	Collapse (psi)	Tension	Rated B

STIMULATION HISTORY								
Date	Interval	Type	Gals	Diver	MaxP	Avg P	ISIP	Down

WELL HISTORY	
Date	Event
Dec-79	Well cored from 4300' to TD at 4800'



7-7/8" Hole  
5-1/2" 14# K-55 ST&C  
Set @ 4798'  
Cmtd w/ 1160 sxs  
TOC @ Surface  
(Circulated 150 sxs)

**SAN ANDRES PERFORATIONS**

=====	4441'- 4445' - 1 SPF / 4 Holes
=====	4447'- 4456' - 1 SPF / 9 Holes
=====	4460'- 4464' - 1 SPF / 4 Holes
=====	4487'- 4537' - 1 SPF / 50 Holes
=====	4542'- 4545' - 1 SPF / 3 Holes
=====	4561'- 4567' - 1 SPF / 6 Holes
=====	4575'- 4586' - 1 SPF / 11 Holes
=====	4590'- 4602' - 1 SPF / 12 Holes
=====	4676'- 4686' - 2 SPF / 20 Holes

4750' -- CIBP (originally set at 4555' on 10/31/84 & pushed to bottom in 1985)

PBTD: 4750'  
T.D.: 4800'