

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

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. 30-025-26685
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other Water Injection <input type="checkbox"/>		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-2273-2
3. Address of Operator 4001 Penbrook Street Odessa, TX 79762		7. Lease Name or Unit Agreement Name East Vacuum GB/SA Unit Tract 3456
4. Well Location Unit Letter <u>F</u> : 2500 feet from the <u>West</u> line and 1400 feet from the <u>North</u> line Section <u>34</u> Township <u>17-S</u> Range <u>35-E</u> NMPM County <u>Lea</u>		8. Well Number 009
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3919' GR & 3947' RKB		9. OGRID Number 217817
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>		10. Pool name or Wildcat Vacuum Grayburg/San Andres
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 ☐

OTHER: Polymer Squeeze ☒

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.

Procedure and wellbore diagram 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 10/20/2004

Type or print name Stacey D. Linder E-mail address stacey.linder@conocophillips.com Telephone No. (432) 368-1506
For State Use Only

APPROVED BY: Gary W. Wink TITLE _____ DATE OCT 26 2004

Conditions of Approval (if any):

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 700 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	600	3,500	766
Gel #3	600	5,000	1094
Gel #4	500	6,000	1095
Water Flush	90		
Gel Total :	2,700 bbls		3,867 lbs

PRODUCTS & SERVICES PROVIDED BY GEL-TEC

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

ITEMS SUPPLIED BY CONOCOPHILLIPS

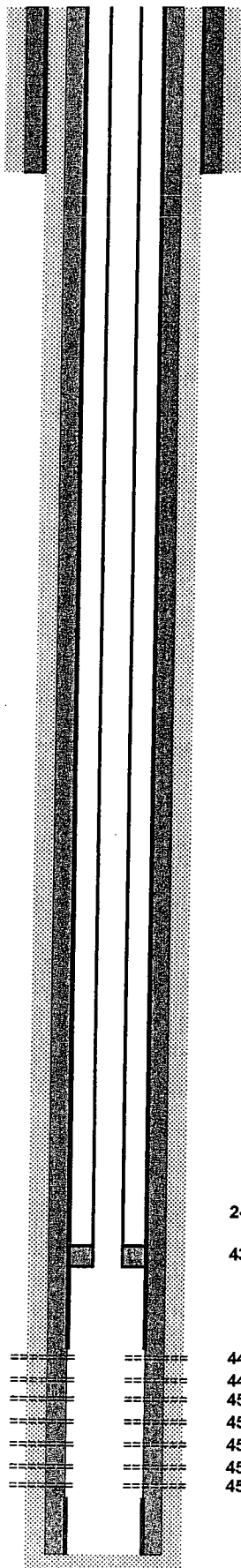
Three Frac Tanks each with 5 gal of biocide
3,000+ bbls of fresh water

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

**CONOCOPHILLIPS
WELLBORE DIAGRAM
EVGSAU #3456-W009**

RKB @ 3947'
GL @ 3919'

12-1/4" Hole
8-5/8", 24# K-55 ST&C
Set @ 354'
Cmt w/ 400 sx cmt.
TOC @ Surface
(Circ. 50 sxs.)



Date: May 4, 2004

Lease and Well No.: EVGSAU #3456-W009

Location: 1400' FNL & 2500' FWL
Sec. 34, T17S-R35E

County/State: Lea County, New Mexico

Field: Vacuum

Producing Formations: San Andres

Spud Date: 04/22/1980

Completion Date: 06/27/1980

API Number: 30-025-26685

Status: Active WAG Injector

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

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

WELL HISTORY	
Date	Event
02/27/81	Well converted to injection

7-7/8" Hole
5-1/2" 14# K-55 ST&C
Set @ 4791'
Cmtd w/ 1340 sxs
TOC @ Surface
(Circulated 224 sxs)

2-7/8" Duoline injection tubing -- 137 jts.

4367' -- 5-1/2" G-IV Injection Packer & stainless steel on-off tool w/ 1.875" profile -- Set on 5/31/03

SAN ANDRES PERFORATIONS

4446'- 4456' - 1 SPF / 10 Holes
4473'- 4477' - 1 SPF / 4 Holes
4500'- 4518' - 1 SPF / 18 Holes
4532'- 4540' - 1 SPF / 8 Holes
4543'- 4553' - 1 SPF / 10 Holes
4562'- 4566' - 1 SPF / 4 Holes
4574'- 4590' - 1 SPF / 16 Holes

TOTAL: 70 Holes

PBTD: 4753'
T.D.: 4800'