

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  
Revised June 10, 2003

<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. 30-025-02838
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		6. State Oil & Gas Lease No. 8568
3. Address of Operator 4001 Penbrook Street Odessa, TX 79762		7. Lease Name or Unit Agreement Name East Vacuum GB / SA Unit Tract 2059
4. Well Location Unit Letter <u>G</u> : 2310 feet from the <u>North</u> line and 2310 feet from the <u>East</u> line Section 20 Township 17-S Range 35-E NMPM County Lea		8. Well Number 002
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3973' CHF		9. OGRID Number 217817
		10. Pool name or Wildcat Vacuum GB / SA

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 COMPLETION ☐

OTHER: Fracture Stimulate ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

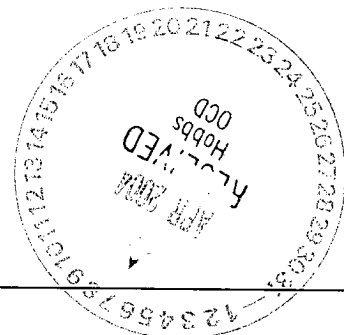
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND 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.

This is a notice of intent to fracture stimulate the above mentioned well. For your convenience, I have attached the recommended procedure along with a wellbore diagram.



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

SIGNATURE Stacey D. Linder TITLE HSE/Regulatory Representative DATE 03/16/2004

Type or print name Stacey D. Linder

E-mail address:

Telephone No. 432/368-1506

(This space for State use)

APPROVED BY Gary W. Wink TITLE OC FIELD REPRESENTATIVE II/STAFF MANAGER DATE APR 13 2004

Conditions of approval, if any:

## **RECOMMENDED FRACTURE STIMULATION PROCEDURE:**

1. Test anchors as required.
2. Hold safety meeting & MIRU Well Service Unit.
3. POOH with rods and insert pump.
4. RU pump truck and kill well. Ensure well is dead. ND wellhead. NU Class Two Hydraulic BOPE.
5. POOH with 2-3/8" J-55 production tubing.
6. TIH with sandline bailer to check for fill. GIH with bit & casing scraper on 2-3/8" production tubing to at least 4600' to insure adequate clearances for 3-1/2" tubing frac string.
7. MI and pick up +/- 4300' of 3-1/2" N-80 or L-80 tubing workstring.
8. GIH with full bore 5-1/2" RTTS type packer on 3-1/2" tubing workstring. Test tubing to 8000 psig while GIH. Set packer at +/- 4550'. Load annulus with 2% KCL water, pressure to 500 psig and hold during fracture stimulation treatment.
9. Set a total of five clean 500 bbl frac tanks manifolded together and one test tank on location. Test tank to be spotted away from frac equipment rig up. Fill five frac tanks each with Biocide and 430 bbls of clean fresh water.
10. Schlumberger to frac the San Andres formation down 3-1/2" tubing. Install in-line densometer as close to well head as possible. Install flow back manifold in line to test tank. Stake and chain all surface treating lines. Hold safety meeting prior to pumping job. Test all surface lines to 8000 psig. Set high pressure shut downs on Schlumberger pumps at 8000 psig.
11. Schlumberger to perform frac treatment on the Upper San Andres interval at 25 - 30 BPM with an anticipated WHTP of 6,500 psig ( **8000 PSI MAXIMUM SURFACE TREATING PRESSURE** ). Pump 81,000 gallons of Schlumberger YF140ST cross linked system with additives carrying 150,000 lbs of 20/40 resin coated White Sand ( Ottawa ). Frac sand should be pumped to within 2 bbl of top perforation at 4658'.

## **PUMP SCHEDULE**

41,000 gal	YF140ST Pad
5,000 gal	YF140ST w/ 1 PPA 20/40 CR4000 White Sand ( 5,000 lbs. w/ resin coat )
6,000 gal	YF140ST w/ 2 PPA 20/40 CR4000 White Sand ( 12,000 lbs. w/ resin coat )
6,500 gal	YF140ST w/ 3 PPA 20/40 CR4000 White Sand ( 19,500 lbs. w/ resin coat )
7,000 gal	YF140ST w/ 4 PPA 20/40 CR4000 White Sand ( 28,000 lbs. w/ resin coat )
7,500 gal	YF140ST w/ 5 PPA 20/40 CR4000 White Sand ( 37,500 lbs. w/ resin coat )
8,000 gal	YF140ST w/ 6 PPA 20/40 CR4000 White Sand ( 48,000 lbs. w/ resin coat )
+/- 1,690 gal	WF140 Flush ( +/- 2 bbls short of top perf )

**FLUID #1 -- YF140ST PAD -- ADDITIVES / 1000 GALLONS: ( 41,000 GALLONS )**

9.0	gal B-142	( Gelling Agent – Guar Slurry Gel )
0.5	gal J-318	( Breaker Aid -- May vary depending on breaker test results )
4.0	lbs.J-475	( Encapsulated Breaker -- May vary depending on breaker test results )
2.0	gal L-64	( Liquid KCL )
0.15	lbs B-69	( Bactericide )
2.0	gal W-54	( Non-Emulsifier )

**FLUID #2 -- YF140ST SAND SLURRY FLUID -- ADDITIVES / 1000 GALLONS: ( 40,000GALLONS )**

9.0	gal B-142	( Gelling Agent – Guar Slurry Gel )
1.0	lbs.J-218	( Breaker )
0.5	gal J-318	( Breaker Aid -- May vary depending on breaker test results )
8.0	lbs.J-475	( Encapsulated Breaker -- May vary depending on breaker test results )
2.0	gal L-64	( Liquid KCL )
0.15	lbs B-69	( Bactericide )
2.0	gal W-54	( Non-Emulsifier )
10.0	gal B-80	( Resin Activator )

NOTE: Actual breaker loadings will be determined by lab testing of gels using job specific chemicals and Water from frac tanks.

**FLUID #3 -- WF140 FLUSH FLUID -- ADDITIVES / 1000 GALLONS: (+/- 1,690 GALLONS)**

9.0	gal B-142	( Gelling Agent – Guar Slurry Gel )
4.0	lbs.J-218	( Breaker )
0.5	gal J-318	( Breaker Aid -- May vary depending on breaker test results )
2.0	gal L-64	( Liquid KCL )
0.15	lbs B-69	( Bactericide )
2.0	gal W-54	( Non-Emulsifier )

12. Obtain ISIP and shut well in overnight to allow gel to break and resin to cure. RDMO Schlumberger.
13. Open well for flowback until well is dead or load has been recovered. Swab as required.
14. POOH with 3-1/2" workstring and RTTS packer. Lay down 3-1/2" workstring.
15. GIH with sand line bailer and tag fill.
16. At COP wellsite supervisors discretion, either move in and pick up 2-7/8" workstring or use production tubing for cleanout work. GIH with notched collar on tubing and clean out fill as required. Circulate hole clean. POOH.
17. RIH in 2-3/8" production tubing , TAC, and seating nipple.
18. Insure well is dead. Kill as required. ND BOPE and NU wellhead.
19. RIH with previous rod string and downhole pump design. Put well on production.
20. RDMO well service unit
21. Monitor fluid production. Revised rod string and downhole pump design may be required pending results of well performance.

# **CONOCOPHILLIPS WELLBORE DIAGRAM EVGSAU #2059-002**

RKB @ \_\_\_\_\_  
GL @ \_\_\_\_\_  
CHF @ 3973'  
Reference 10' AGL

12-3/4" Hole  
8-5/8", 28#,  
Set @ 333'  
Cmt w/ 250 sx cmt.  
Circulated  
TOC @ Surface

Date: Jan. 27, 2004  
  
Lease and Well No.: EVGSAU #2059-002  
Location: 2310' FNL & 2310' FEL  
Sec. 20, T17S-R35E  
County/State: Lea County, New Mexico  
Field: Vacuum  
RKB:  
GL:  
Producing Formations: San Andres/Grayburg  
Spud Date: 3/25/1960  
Completion Date: 5/11/1960  
API Number: 30-025-02838  
Status: Active Producer

CASING DETAIL									
Size	Depth	Wt.	Grade	Conn.	Drift ID	Burst (psi)	Collapse (psi)	Tension	Rated By
8-5/8"	333'								COP
5-1/2"	4874'								API
									COP
									API

T.O.C. @ 3060'  
CBL run on 6-30-79

STIMULATION HISTORY	
Date	Event
1960	Frac'ed with 1500 BO & 60,000# sand

WELL NOTES	
Date	Event
	TAGGED FILL AT 4840' WITH SAND LINE BAILER ON 1-8-03

7-7/8" Hole  
5-1/2", 14#  
Set @ 4874'  
Cmt w/ 325 sxs.  
Did not Circulate

## **SAN ANDRES**

4658' - 4670' -- SHOT DENSITY & NO. OF HOLES UNKNOWN  
4690' - 4700' -- SHOT DENSITY & NO. OF HOLES UNKNOWN  
4712' - 4730' -- SHOT DENSITY & NO. OF HOLES UNKNOWN  
4740' - 4748' -- SHOT DENSITY & NO. OF HOLES UNKNOWN  
4761' - 4769' -- SHOT DENSITY & NO. OF HOLES UNKNOWN  
4779' - 4790' -- SHOT DENSITY & NO. OF HOLES UNKNOWN  
4795' - 4812' -- SHOT DENSITY & NO. OF HOLES UNKNOWN

PBTD: 4840  
T.D.: 4874'