

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

WELL API NO. 30-025-38001
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name VACUUM GRAYBURG SANANDRES UNIT
8. Well Number 250
9. OGRID Number 4323
10. Pool name or Wildcat VACUUM GRAYBURG SAN ANDRES

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)	
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> <i>Inject</i>	
2. Name of Operator CHEVRON U.S.A. INC.	
3. Address of Operator 15 SMITH ROAD, MIDLAND, TEXAS 79705	
4. Well Location Unit Letter H: 1443 feet from the NORTH line and 1286 feet from the EAST line Section 1 Township 18-S Range 34-E NMPM County LEA	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3986' GL	
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>	
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:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input 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"/>
OTHER INTENT TO ADD PERFS & ACIDIZE	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.

CHEVRON U.S.A. INC. INTENDS TO ADD PERFS & ACIDIZE.

THE INTENDED PROCEDURE IS ATTACHED FOR YOUR APPROVAL.

RECEIVED

APR 09 2008

HOBBS OCD

WFX-823

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 *Denise Pinkerton* TITLE Regulatory Specialist DATE 04-07-2008

Type or print name Denise Pinkerton E-mail address: leakejd@chevron.com Telephone No. 432-687-7375

For State Use Only

APPROVED BY: *Chris Williams* OC DISTRICT SUPERVISOR/GENERAL MANAGER TITLE DATE APR 29 2008

Conditions of Approval (if any):

## VGSAU 250

Vacuum (Grayburg San Andres) Field, Lea County NM

API No. 30-025-38001

Procedure to: C/O Perforate and Stim T-Z

Production depart should be sure well has been flowed to battery for 2 weeks prior to rig up.

- 1 Kill well as necessary. MU RU PU & RU. Pressure test backside to 500#.
- 2 Pump 25 bbls 10# BW dn tbg take SI pressure and calculate kill weight fluid. Kill well as nec. ND WH. NU BOP. Unset pkr & POOH w/ tbg & pkr.
- 3 TIH w 6 1/8" MT bit, 6 3 1/2" DC on 2 7/8" WS. RU Rvs Unit and C/O fill to PBD of 5079'. Circ clean with 10# BW. POOH w/ WS, DCs & bit.
- 4 Rig up wireline truck. Get on depth with Baker Atlas' Radial Bond Log dated 3/12/2007. **Note: It does not appear that a short joint was ran. Also the CCL log on the bond log is very noisy. For casing collar depth correlation also refer to the Baker Atlas Temperature log dated 3/13/07.** Perforate w/ 3-1/8" slick guns w/ 2 JSPF @ 120 degree phasing as follows: 4705-4711', 4715-4721, 4725-4746', 4752-4761', 4767-4780', 4791-4800', 4805-4813', 4817-4837', 4841-4869'.
- 5 TIH w/ 7" treating packer on 2-7/8" workstring and set at ~4650'.
- 6 MI RU Halliburton to acidize the Lower San Andres and TZ interval 4677' - 4869' interval with 8,000 gallons 15% HCL in 4 equal stages Drop 1500# rock salt between stages mixed in GBW. Rate 5-6 BPM Max press 5000 psi. Flush to bottom perf w/ 10 BW. Flowback to tank to recover load.
- 7 Kill well as nec. Rise Pkr & POOH with WS and PKR.
- 8 TIH w/ notched collar and circ out rock salt to PBD of 5079'. TOH w/ WS and Notched collar. If any trouble was encountered while C/O in step 4 above RIH w/ bit to C/O.
- 9 TIH w/ Injection tbg & pkr w/ On-Off tool. Set Pkr @ ~ 4280 w/ 10 pt compression. Space out. Rise from On-Off tool circ hole with 10 ppg pkr fluid. Latch back onto On-Off tool. ND BOP. NU WH. Run MIT test for OCD.
- 10 Hookup injection lines. Clean location. RDMO PU & RU.
- 11 Turn well over to operations. Maximum premitted water injection pressure is 1730 psi.
- 12 Run injection profile when rate stabilizes.

LGB 3/27/08

PTB (revised) 3/31/08

# VGSAU #250 Wellbore Diagram

Created: 09/15/06 By: T. K. Morris  
 Updated: 03/31/08 By: PTBP  
 Lease: Vacuum Grayburg San Andres Unit  
 Field: Vacuum Grayburg San Andres Unit  
 Surf. Loc.: 1443.1' FNL & 1286' FEL  
 Bot. Loc.:  
 County: Lea St.: NM  
 Status: Active Injection Well

Well #: 250 St. Lse:  
 API: 30-025-38001  
 Unit Ltr.: H Section: 1  
 TSHP/Rng: S-18 E-34  
 Unit Ltr.: Section:  
 TSHP/Rng:  
 Directions: Buckeye, NM  
 Chevno: JG1738

## Surface Casing

Size: 13 3/8"  
 Wt., Grd.: 48#, H-40  
 Depth: 1444'  
 Sxs Cmt: 575'  
 Circulate: Yes  
 TOC: Surface  
 Hole Size: 17 1/2"

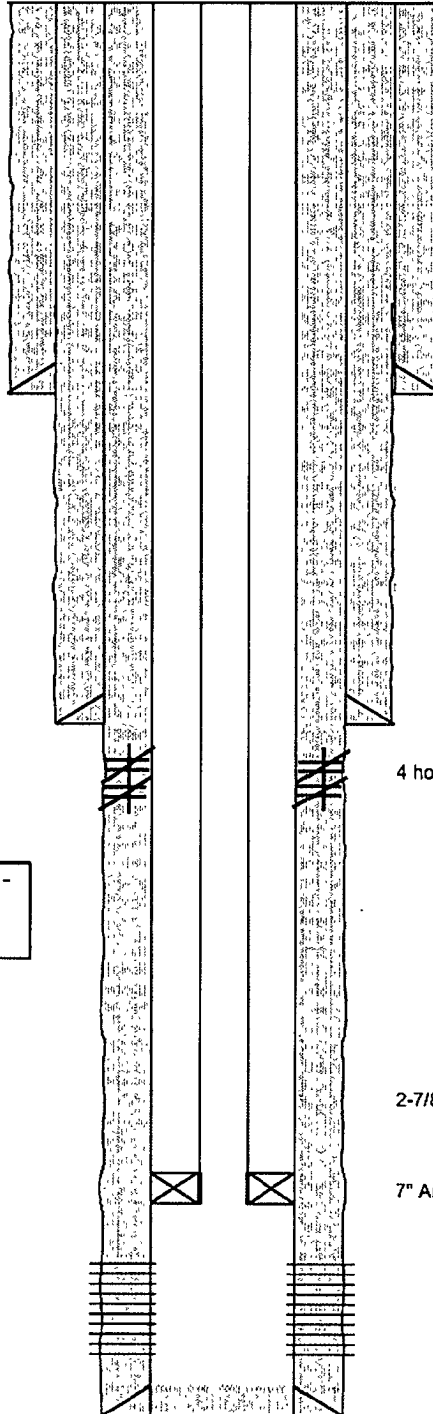
## Intermediate Casing

Size: 9 5/8"  
 Wt., Grd.: 36# J-55  
 Depth: 2806'  
 Sxs Cmt: 1080'  
 Circulate: Yes  
 TOC: Surface  
 Hole Size: 12 1/4"

## Production Casing

Size: 7"  
 Wt., Grd.: 23# J-55  
 Depth: 5180'  
 Sxs Cmt: 1195'  
 Circulate: Yes  
 TOC: Surface  
 Hole Size: 8 7/8"

Perfs: 4351 - 73, 4420 - 34, 4441 - 61, 4448 - 59, 4502 - 27, 4530-4627, 4677- 4703



KB: 4004'  
 DF: 4003'  
 GL: 3986'  
 Ini. Spud: 10/08/06  
 Ini. Comp.: 04/17/07

## History

4/11/07 Stim w/15,000 gals 15% HCL & 10,000# salt.  
 4/12/07 Swab. Rel pkr TIH W/Tbg to 4690'. C/O to 5079'  
 4/17/07 Chart & test  
 4/27/07 Injecting 1053 BWPD

4 holes @ 2840'-2841' sqzd

2-7/8" Fiberlined Injection Tubing (132 jts.)

7" Arrowset Pkr w/ T-2 On/Off Tool @ 4280'

San Andres Perfs: 4351'-4703'

PB TD: 5079'  
 TD: 5200'

# Chevron U.S.A. Inc. Wellbore Diagram : VGSAU 250

