

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

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

WELL API NO.  
30-025-30917

5. Indicate Type of Lease  
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name  
VACUUM GRAYBURG SAN ANDRES UNIT

8. Well Number 150

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 ☐ Gas Well ☐ Other Injection

2. Name of Operator  
CHEVRON U.S.A. INC.

3. Address of Operator  
15 SMITH ROAD, MIDLAND, TEXAS 79705

4. Well Location

Unit Letter G: 1390 feet from the NORTH line and 1980 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.)  
3991'

Pit or Below-grade Tank Application ☐ or Closure ☐

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 INTENT TO C/O, PERF & STIMULATE TRANSITION ZONE

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 CLEAN OUT THE SUBJECT TO 4900 & ADD SAN ANDRES PERFS & ACIDIZE.

THE INTENDED PROCEDURE & WELLBORE DIAGRAM IS ATTACHED FOR YOUR APPROVAL.

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 03-03-2008

Type or print name Denise Pinkerton E-mail address: [leakejd@chevron.com](mailto:leakejd@chevron.com)

Telephone No. 432-687-7375

For State Use Only

APPROVED BY: Chris Williams

OCD DISTRICT SUPERVISOR/GENERAL MANAGER

DATE

MAR 18 2008

Conditions of Approval (if any):

RECEIVED

MAR 04 2008

HOBBS OCD

## VGSAU 150

Vacuum (Grayburg San Andres) Field, Lea County NM

API No. 30-025-30917

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

Subject well was MIT tested to 560 psi on 10-1-07. Pressure testing the casing prior to commencing the workover is not necessary. Subject well is currently shut-in due to a packer/tubing leak.

- 1 Kill well as necessary. MU RU PU & RU.
- 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. If pkr rubber does not relax it maybe nec to perf tbg above pkr prior to POOH as no On-Off tool is mentioned in WBD.
- 3 TIH w 6 1/8" MT bit, 6 3/4" DC on 2 7/8" WS. RU Rvs Unit and C/O fill to new PBTD of 4900'. **NOTE: The maximum depth reached with a bit since running casing was 4829'. The maximum depth reached during the initial cased hole logging job was 4798'. The latest maximum depth recorded was 4798' on 4-11-01 with a drill bit. Fill was tagged at 4236' in July 2005.** Circ clean with 10# BW. POOH w/ WS, DCs & bit. If casing is collapsed, POOH w/bit and GIH w/ 6 1/8" cone buster to C/O. If the casing still continues to "fall in" use a casing roller to swedge out the casing.
- 4 MI Baker Atlas to perforate the following intervals w/ 3 1/8" slick guns w/ 2 DP JSPF 120 phasing. Tie into Computalog Gamma Ray log dated 8/23/1990 for depth control. Perf intervals are: 4465-68, 4490-4494, 4632-35, 4750-54, 4757-61, 4770-79, 4791-95, 4808-12, 4825-30, 4836-4840.
- 5 TIH w/ 7" treating packer on 2-7/8" workstring and set at 4740'.
- 6 MI RU Halliburton to acidize the TZ perms 4750-4840 with 2,000 gallons 15% HCL in 1 stage. SI 2 hrs. Flowback to tank to recover load. Rate 5-6 BPM Max press 5000 psi.
- 7 Release packer and pull up and set at 4645'
- 8 MI RU Halliburton to acidize the Lower Sand Andres and TZ perms 4662-4840 with 4,000 gallons 15% HCL in 2 stages Drop 1500# rock salt between stages mixed in GBW. SI 2 hrs. Flowback to tank to recover load. Rate 5-6 BPM Max press 5000 psi.
- 9 Kill well with 10 ppg BW. Rise Pkr & POOH with WS and PKR.
- 10 TIH w/ notched collar and circ out rock salt to PBTD of 4900'. TOH w/ WS and Notched collar.
- 11 TIH w/ Injection tbg & pkr w/ On-Off tool. Set Pkr @ ~ 4068 w/ 10 pt compression. Space out. Release from On-Off tool circ hole with 10 ppg pkr fluid. Latch back onto On-Off tool. ND BOP. NU WH. Run MIT for OCD.
- 12 Hookup injection lines. Clean location. RDMO PU & RU.
- 13 Turn well over to production department.
- 14 Run injection profile.

LGB 1/25/08

PTB (modified) 2/25/08

# VGSAU #150 Wellbore Diagram

Created: 05/19/04 By: SMG  
 Updated: 01/02/08 By: BSPT  
 Lease: Vacuum Grayburg San Andres Unit  
 Field: Vacuum Grayburg San Andres Unit  
 Surf. Loc.: 1390' FNL & 1980' FEL  
 Bot. Loc.:  
 County: Lea St.: NM  
 Status: Active Injection Well

Well #: 150 St. Lse: 857948  
 API: 30-025-30917  
 Unit Ltr.: G Section: 1  
 TSHP/Rng: S-18 E-34  
 Unit Ltr.: Section:  
 TSHP/Rng:  
 Directions: Buckeye, NM  
 CHEVNO: KV1742

## Surface Casing

Size: 13 3/8"  
 Wt., Grd.: 48 & 54.5#  
 Depth: 1550'  
 Sxs Cmt: 1700  
 Circulate: 250 sx  
 TOC: Surface  
 Hole Size: 17 1/2"

## Intermediate Casing

Size: 9 5/8"  
 Wt., Grd.: 36# K-55  
 Depth: 2800'  
 Sxs Cmt: 1570  
 Circulate: 270 sx  
 TOC: Surface  
 Hole Size: 12 1/4"  
 DV Tool @ 1597'

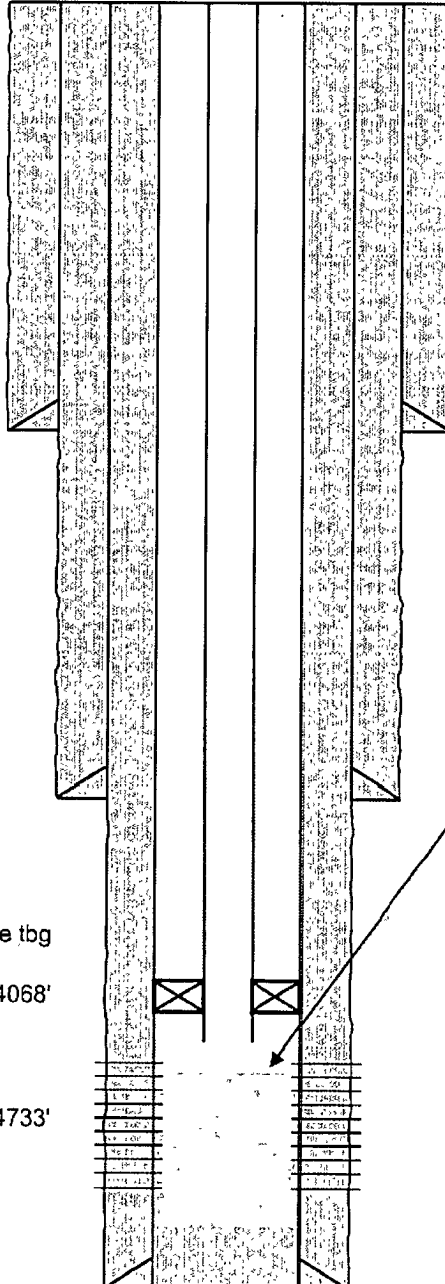
## Production Casing

Size: 7"  
 Wt., Grd.: 26# J-55  
 Depth: 5000'  
 Sxs Cmt: 850  
 Circulate: 36 sx  
 TOC: Surface  
 Hole Size: 8 3/4"

KB: 4004'  
 DF:  
 GL: 3991'  
 Ini. Spud: 08/03/90  
 Ini. Comp.: 08/30/90

## History

8/90 Initial Completion: CO to 4798', Perf 2 jsp: 4479'-88', 4502'-05', 34'-40', 48'-55', 60'-62', 66'-70', 74'-77', 84'-88', 95'-97'. 4602'-05', 16'-21', 62'-68', 73'-75', 78'-82'. Acidize new perms w/ 7000 gls 15% NEFE. Set RBP @ 4470', perf 2 jsp: 4289'-94', 4305'-10', 22'-28', 38'-45', 86'-94', 4403'-10', 37'-42', 50'-52', 58'-62'. Acidize new perms w/ 5200 gls 15% NEFE. Set RBP @ 4271', perf 2 jsp: 4137'-45', 86'-90', 96'-4204', 4234'-37', 42'-47', 50'-54'. Acidize new perms w/ 4100 gls 15% NEFE. 4/92: CO, Add perms, & Acid: CO w/ bailer to 4798'. Perfs 2 jsp: 4353'-57', 62'-67', 78'-80', 4413'-19', 4513'-19'. Spot 1100 gls of 20% HCl NEFE. Acid perms w/ 7500 gls 20% HCl NEFE, RS & BS in 4 stages. Set pkr & cnvrt to inj. 4/95: TIH w/ new pkr & tbg. 4/01 Perf & Acidize: CO w/ bit to 4798', perf 4685'-4712', 16'-23', 28'-33', Acidize perms 4137'-4733' w/ 10,000 gls 15% NEFE HCL, foam & 90 MSCF N2 7/05: Tagged fill @ 4236'.



128 jts 2 7/8" Duoline tbg

Lok-Set Pkr @ 4068'

Perfs @ 4137'-4733'

PBTD: 4,798  
 TD: 5,000

## Chevron U.S.A. Inc. Wellbore Diagram : VGSAU 150

