

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. 30-025-30847
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 SAN ANDRES UNIT
8. Well Number 149
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 INJECTION <input checked="" type="checkbox"/>	
2. Name of Operator CHEVRON U.S.A. INC.	
3. Address of Operator 15 SMITH ROAD, MIDLAND, TEXAS 79705	
4. Well Location Unit Letter C: 1330 feet from the SOUTH line and 1980 feet from the WEST line Section 1 Township 18-S Range 34-E NMPM County LEA	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3997' 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: PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> OTHER CLEAN OUT ,ADD PERFS, & ACIDIZE	SUBSEQUENT REPORT OF: REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/> OTHER:
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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 WELL TO 4900' & ADD SAN ANDRES TRNSITION PERFS & ACIDIZE. THIS WORK IS IN PREPARATION FOR THE VGS AU PHASE LA CO2 EXPANSION.

THE INTENDED PROCEDURE AND 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 04-30-2008

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

For State Use Only

APPROVED BY: [Signature] TITLE PETROLEUM ENGINEER DATE MAY 15 2008
Conditions of Approval (if any):

RECEIVED
MAY 02 2008
HOBBS OCD

VGSAU 149

API No. 30-025-30847

Vacuum (Grayburg San Andres) Field

Lea County, NM

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

Subject well was MIT tested to 560 psi on 10/19/2007. Pressure testing the casing prior to commencing the workover is not necessary.

1. MIRU PU & RU. Pump 25 bbls 10# BW dn tbg, take SI pressure and calculate kill weight fluid. Kill well as nec. ND WH. NU BOP & Envirovac.
2. Unset pkr & POOH w/ tbg & pkr. Truck off Duoline tbg. If pkr rubber does not relax it may be nec to perf tbg above pkr prior to POOH as no On/Off tool is mentioned in well files.
3. TIH w/ 6-1/8" MT bit, 6 3-1/2" DC on 2-7/8" WS. D/O fill & cmt to new PBTD of 4900'. Circ clean with 10# BW. Spot 500 gal acetic acid at PBTD. POOH w/ WS, DCs & bit.
NOTE: The latest maximum depth recorded with a drill bit was 4810' in November 2000. Fill was tagged at 4059' in October 2007. If casing is collapsed, POOH w/bit and GIH w/ 6-1/8" cone buster mill 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 Halliburton Logging Services Gamma – Depth Control Log dated 3/31/1992 for depth control. A short joint is located at 4053-4071. Perf intervals are:

4601-4608, 4613-4619, 4625-4628, 4634-4641, 4651-4655, 4667-4671, 4674-4685,
4695-4710, 4723-4737, 4740-4746, 4748-4758, 4762-4771, 4775-4783, 4788-4804,
4809-4812, 4818-4826, 4828-4837, 4840-4843

5. TIH w/ 7" treating packer on 2-7/8" workstring and set at 4595'.
6. MIRU Halliburton to acidize the new TZ perfs 4601-4843 with 4000 gallons 15% HCL in 2 stages. Drop 1500# rock salt between stages mixed in GBW. SI 2 hrs. Flowback or swab to tank to recover load. Rate 5-6 BPM, Max press 5000 psi. If packer communicates then move uphole and acidize entire interval 4132-4843 as below.
7. Release packer, pull up and set at +/- 4035'.
8. RU Halliburton to acidize existing San Andres perfs and TZ perfs 4132-4843 with 8000 gallons 15% HCL in 4 stages. Drop 1500# rock salt between stages mixed in GBW. SI 2 hrs. Flowback or swab to tank to recover load. Rate 5-6 BPM, Max press 5000 psi.
9. Kill well with 10 ppg BW. Unset pkr & POOH with WS and pkr.
10. TIH w/ bit and C/O rock salt to PBTD of 4900'. TOH w/ WS and bit.
11. TIH w/ new 2-3/8" Fiberline injection tbg & pkr w/ On-Off tool. Set pkr @ ~ 4043' w/ 10 pt compression. Space out. Release from On-Off tool, circ hole with 10 ppg pkr fluid. Latch back onto On-Off tool & land tbg hanger. 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.

BAS 4/29/08

VGSAU #149 Wellbore Diagram

Created: 05/19/04 By: SMG
 Updated: 04/29/08 By: BSPT
 Lease: Vacuum Grayburg San Andres Unit
 Field: Vacuum Grayburg San Andres Unit
 Surf. Loc.: 1330' FSL & 1980' FWL
 Bot. Loc.:
 County: Lea St.: NM
 Status: Active Injection Well

Well # 149 St. Lse. 857948
 API 30-025-30847
 Unit Ltr.: C Section 1
 TSHP/Rng. S-18 E-34
 Unit Ltr.: Section:
 TSHP/Rng
 Directions Buckeye, NM
 CHEVNO: KX1746

Surface Casing

Size: 13 3/8"
 Wt , Grd : 48 & 54.5#
 Depth: 1550'
 Sxs Cmt: 1700
 Circulate: 200 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: 245 sx
 TOC Surface
 Hole Size: 12 1/4"
 DV Tool @ 1581'

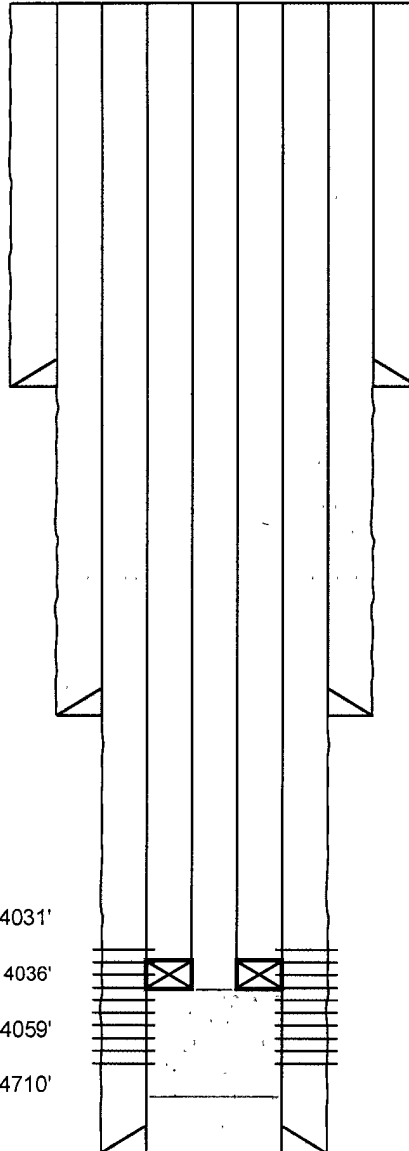
Production Casing

Size: 7"
 Wt , Grd. 26# K-55
 Depth: 5000'
 Sxs Cmt 950
 Circulate: 135 sx
 TOC Surface
 Hole Size: 8 3/4"

KB: 4006'
 DF:
 GL: 3997'
 Ini. Spud: 09/21/90
 Ini. Comp.: 10/18/90

History

10/90 Ini Completion CO to 4810', Perf @ 2 jspf at 4454'-68', 4502'-07', 4581'-90' (56 holes) Acid w/ 4300 gls 15% NEFE RBP @ 4440 Perf @ 2 jspf at 4292'-4304', 4360'-64', 4376'-81', 4411'-24' Acidize w/ 4300 gls 15% NEFE RBP @ 4275 Perf @ 2 jspf 4132'-40', 4216'-20', 4226'-34', 4247'-58' Acidize w/ 4300 gls 15% NEFE IP @ 27o 862w 15g
 3/92 Add Perfs, Acid, Convert to WIW CO to 4810' Perf 2 jspf @ 4262'-66', 4305'-21', 27'-32' 37'-41' 86'-88', 4428'-32', 72'-75', 86'-88', 97'-99', 4513'-20', 34'-36', 48'-53', 59'-61', 68'-70', 72'-78', 4601'-08', 13'-19', 51'-55', 67'-71', 79'-85', 95'-98' Spot 1100 gls of 20% NEFE HCl Acid perfs w/ 8500 gls NEFE HCl, 4000# RS, 304 BS's, & 50 bbis gelled brine in 4 stgs 11/00 CO, Perf, Acidize, Tag fill @ 4065', CO to 4810' w/ bit, Perf 2 jspf 4268-71, 4344-56, 4496-4500, 22-32, 39-46, 63-66, 73-78, 4625-28, 34-41, 74-79, 4698-4710 Spot 1000 gal 15% DAD acid, Acidize w/ 10000 gal 20% NEFE & 5000# RS in 5 stgs
 10/07 Tagged fill @ 4059' Injection @ 1000 bwpd



128 jts 2 7/8" Duoline tbgs to 4031'

Loc-Set Pkr @ 4036'

Fill @ 4059'

Perfs @ 4132'-4710'

PBTD: 4,810
 TD: 5,000

Chevron U.S.A. Inc. Wellbore Diagram : VGSAU 149

