

Submit 1 Copy To Appropriate District Office  
District I - (575) 393-6161  
1625 N French Dr, Hobbs, NM 88240  
District II - (575) 748-1283  
811 S. First St, Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Rd, Aztec, NM 87410  
District IV - (505) 476-3460  
1220 S St Francis Dr, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised August 1, 2011

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

OCT 17 2012

RECEIVED

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. 30-025-38787 ✓
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <u>INJECTOR</u>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator CHEVRON U.S.A. INC.		6. State Oil & Gas Lease No.
3. Address of Operator 15 SMITH ROAD, MIDLAND, TEXAS 79705		7. Lease Name or Unit Agreement Name VACUUM G/B SAN ANDRES UNIT ✓
4. Well Location Unit Letter C: 100 feet from the NORTH line and 1980 feet from the WEST line Section 1 Township 18-S Range 34-E NMPM County LEA		8. Well Number 440 ✓
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		9. OGRID Number 4323 ✓
		10. Pool name or Wildcat VACUUM G/B SAN ANDRES

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 ☐  
DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: MIT REPAIR

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 19.15.7.14 NMAC. For Multiple Completions, Attach wellbore diagrams.

Per Underground Injection Control Program Manual  
11.6 C Packer shall be set within or less than 100  
feet of the uppermost injection perfs or open hole.

CHEVRON U.S.A. INC. INTENDS TO DO A MIT REPAIR ON THE SUBJECT WELL.

PLEASE FIND ATTACHED, THE INTENDED PROCEDURE, WELLBORE DIAGRAM, & C-144 INFORMATION.

Spud Date:

Rig Release Date:

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

SIGNATURE Denise Pinkerton TITLE: REGULATORY SPECIALIST DATE: 10-16-2012

Type or print name: DENISE PINKERTON E-mail address: leakejd@chevron.com PHONE: 432-687-7375

APPROVED BY: [Signature] TITLE: DIST. MGR DATE: 10-19-2012

Conditions of Approval: The Operator shall give the OCD District office 24 hours notice before work begins.

CONDITION OF APPROVAL: Notify OCD Hobbs Office 24 hours prior to running MIT Test & Chart.

**Well:** Vacuum Grayburg San Andres Unit # 440  
**Field:** Vacuum Grayburg San Andres  
**API No.:** 30-025-38787  
**Lea County, New Mexico**

**Description of work:** Test tubing, release packer, POOH with tubing and packer. CO. RIH with tubing and packer, set packer and test.

**Pre-Work:**

\*\*\*Check wellhead and all connections and change out anything that needs to be replaced prior to rigging up on the well\*\*\*

1. Utilize the rig move check list.
2. Check anchors and verify that pull test has been completed in the last 24 months.
3. Ensure location of & distance to power lines is in accordance with MCA SWP. Complete and electrical variance and electrical variance RUMS if necessary.
4. Ensure that location is of adequate build and construction.
5. Ensure that elevators and other lifting equipment are inspected. Caliper all lifting equipment at the beginning of each day or when sizes change.
6. When NU anything over and open wellhead (EPA, etc.) ensure the hole is covered to avoid dropping anything downhole
7. For wells to be worked on or drilled in an H2S field/area, include the anticipated maximum amount of H2S that an individual could be exposed to along with the ROE calculations for 100 ppm and 500 ppm.
8. If the possibility of trapped pressure exists, check for possible obstruction by:
  - Pumping through the fish/tubular – this is not guaranteed with an old fish as the possibility of a hole above the obstruction could yield inconclusive results
  - Dummy run – make a dummy run through the fish/tubular with sandline, slickline, eline or rods to verify no obstruction. Prior to making any dummy run contact RE and discuss.

If unable to verify that there is no obstruction above the connection to be broken, or if there is an obstruction:

- Hot Tap at the connection to check for pressure and bleed off
- Observe and watch for signs / indicators of pressure as connection is being broken. Use mud bucket (with seals removed) and clear all non-essential personnel from the floor.

**Procedure:**

1. Rig up pulling unit. Check wellhead pressure, and pump tubing volume of 10# BW. Calculate kill mud weight.
2. Rig up wireline truck. Set 1.5" "F" blanking plug in profile nipple. Pressure test tubing to 1,500 psi after plug is set. Bleed off pressure.
3. ND wellhead. NU 5,000 psi BOP with 2-3/8" pipe rams over blinds with hydrill on top.
4. Release from on/off tool. Circulate kill mud. POOH with 1 joint of tubing, install 5-1/2" test packer, RIH & set packer at ~25'. Test BOP to 250 psi low / 500 psi high. POH & lay down test packer.

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5. Latch back up and pressure casing to 500 psi to test for a casing leak. RU WL and pull plug.
6. Release AS1X packer and TOH. Scan tubing coming out of the hole, laying down bad joints. Provide remedial engineer tubing scan results so a decision can be made on the amount of new 2-3/8" Fiberline tubing will need to be purchased. Inspect packer and repair. (If packer elements are swollen to the point fluid will not readily pass: RU WL and perf tubing above the packer.)
7. If casing did not test in Step 4, PU packer and RBP on 2-3/8" work string and isolate leak. Once leak is found establish PI rate and pressure and report same to RE for supplemental procedure.
8. TIH with 2-3/8" work string and 4-3/4" MTB and clean out fill from 4,294' to 5,020'.
9. POOH with work string and MTB.
10. TIH with injection packer with on-off tool and 1.43" ID 'F' profile nipple on injection tubing with pump out plug on bottom (Hydro-test the tubing in the hole). Set packer @ 4,214' (Upper most setting depth is 4,194').
11. Unlatch from the on-off tool and circulate packer fluid to load the backside. Attach back on to on-off tool.
12. Pressure backside to 500 psi and hold for 32 minutes (pre-MIT).
13. Bleed off pressure. ND BOP. NU wellhead. Pressure tubing to blow pump-out plug.
14. Install chart recorder. Pressure backside to 500 psi for 32 minutes to satisfy requirements for an official MIT.
15. Rig down pulling unit.
16. Write work order to re-connect the injection line.
17. Send MIT chart to Denise Pinkerton.
18. Place well on injection.

RRW 9/21/2012

Contacts:

Remedial Engineer – Larry Birkelbach	(432-687-7650 / Cell: 432-208-4772)
Production Engineer – Ryan Warmke	(432-687-7452 / Cell: 281-460-9143)
ALCR – Danny Acosta	(Cell: 575-631-9033)
D&C Ops Manager – Boyd Schaneman	(432-687-7402 / Cell: 432-238-3667)
D&C Supt. – Heath Lynch	(432-687-7857 / Cell: 281-685-6188)
OS – Nick Moschetti	(Cell: 432-631-0646)

# VGSAU 440 Wellbore Diagram

Created: 04/15/09 By: CAYN  
 Updated: 05/12/09 By: Cayce  
 Lease: Vacuum Grayburg San Andres Unit  
 Field: Vacuum Grayburg San Andres  
 Surf. Loc.: 100' FNL 1980' FWL  
 Bot. Loc.:  
 County: Lea St.: NM  
 Status: CO2 Injector

Well #: 440 St. Lse: -  
 API: 30-025-38787  
 Unit Ltr.: C Section: 1  
 TSHP/Rng: 18S 34E  
 Unit Ltr.: Section:  
 TSHP/Rng:  
 Directions: Buckeye, NM  
 CHEVNO: LD9383  
 OGRID: 4323

## Surface Casing

Size: 11 3/4"  
 Wt., Grd.: 42# H-40 STC  
 Depth: 1500'  
 Sxs Cmt: 950  
 Circulate: yes, 349 sx  
 TOC: Surface  
 Hole Size: 14 3/4"

ECP on 8 5/8" @ 1376'  
 Ryte-Wrap csg 1392-2368'

## Intermediate Casing

Size: 8 5/8"  
 Wt., Grd.: 24# J-55 STC  
 Depth: 2962'  
 Sxs Cmt: 1,140  
 Circulate: yes, 168 sx  
 TOC: surface  
 Hole Size: 11"

ECP on 5 1/2" @ 2688'  
 Ryte-Wrap csg 1308-1796'

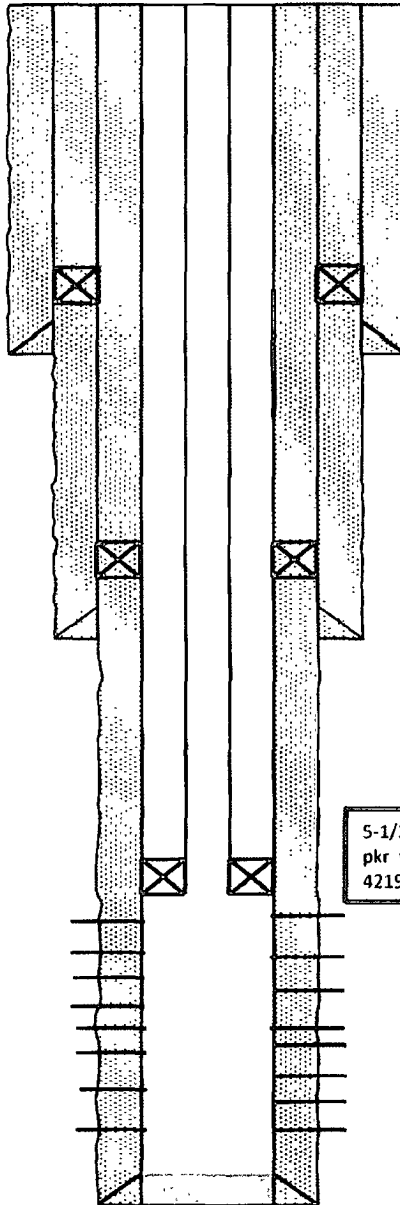
## Tubing detail:

132 jts 2-3/8" x 4173' Fiberline tbq

## Production Casing

Size: 5 1/2"  
 Wt., Grd.: 17#, J-55 LTC  
 Depth: 5018'  
 Sxs Cmt: 1,050  
 Circulate: yes, 334 sx  
 TOC: Surface  
 Hole Size: 7 7/8"

Perfs: 4294'-4860'



KB: 4018'  
 DF:  
 GL: 3996'  
 Ini. Spud: 03/19/09  
 Ini. Comp.: 04/01/09

## History:

4/09 Spot w/500 gals 10% acetic acid.  
 Perf 4294-4860'. Acidize w/25,000 gals  
 15% HCL in one stage. Did not ballout.  
 Set pkr @ 4219'

5-1/2" x 2-3/8" AS1X  
 pkr w/ on-off tool @  
 4219'

## Perfs detail:

4294-4299, 4306-4322, 4332-4348, 4354-  
 4356, 4362-4366, 4410-4422, 4481-4488,  
 4492-4496, 4498-4502, 4510-4514, 4516-  
 4526, 4528-4536, 4596-4604, 4606-4618,  
 4622-4625, 4639-4641, 4643-4646, 4650-  
 4658, 4662-4673, 4676-4678, 4680-4692,  
 4696-4700, 4704-4709, 4716-4724, 4750-  
 4754, 4756-4762, 4768-4778, 4783-4795,  
 4798-4808, 4816-4828, 4838-4840, 4844-  
 4846, 4848-4850, 4852-4856, 4858-4860

PBTD:  
 TD: 5020'