

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 87605
 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 July 18, 2013

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

WELL API NO. 30-025-21420
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 6
9. OGRID Number 4323
10. Pool name or Wildcat VACUUM GRAYBURG SAN ANDRES
11. Elevation (Show whether DR, RKB, RT, GR, etc.)

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

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

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

4. Well Location
 Unit Letter: M 990 feet from SOUTH line and 990 feet from the WEST line
 Section 2 Township 18S Range 34E NMPM County LEA

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"/> DOWNHOLE COMMINGLE <input type="checkbox"/> CLOSED-LOOP SYSTEM <input type="checkbox"/> OTHER: RE-PERF & 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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

CHEVRON U.S.A. INC. INTENDS TO RE-PERF & ACIDIZE THE SUBJECT WELL.

PLEASE FIND ATTACHED, THE INTENDED PROCEDURE AND WELL BORE DIAGRAM.

DURING THIS PROCESS WE PLAN TO USE THE CLOSED LOOP SYSTEM WITH A STEEL TANK AND HAUL TO THE REQUIRED DISPOSAL, PER THE OCD RULE 19.15.17.

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 TITLE REGULATORY SPECIALIST DATE 02/07/2014

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

APPROVED BY: TITLE Petroleum Engineer DATE FEB 11 2014

Conditions of Approval (if any):

FEB 11 2014



Vacuum Grayburg San Andres Unit #6

County: Lea

State: New Mexico

API: 30-025-21420

Chevno: FF4774

Current Wellbore:

7 5/8" 15# Surface casing set at 1,710'. Cement Circulated to surface.

4 1/2" 10.5# production casing set at 4,694'. TOC @ 2,900' (Cal w/ 65% eff).

Description of work:

Clean out, re-perf San Andres perforations from 4,511' - 4,679', acidize.

Tubular Specifications:

4 1/2" 10.5# J-55 casing: 4.052" ID, 3.927" Drift, 4,790 psi yield @ 100%, 3,832 psi yield @ 80%

2 3/8" 4.7# J-55 Production Tubing: 1.995" ID, 1.901" Drift, 7,700 psi yield @ 100%, 6,160 psi @ 80%, 72,000 lbs. Tensile @ 100%, 57,600 lbs. Tensile @ 80%.

2 3/8" 4.7# L-80 Workstring: 1.995" ID, 1.901" Drift, 11,200 psi yield @ 100%, 8,960 psi @ 80%, 104,300 lbs. Tensile @ 100%, 83,440 lbs. Tensile @ 80%.

Pre-Work:

1. Utilize the rig move check list.
2. Evaluate pressure ratings and condition of wellhead and all valves. Repair and/or replace as needed.
3. Check anchors and verify that pull test has been completed in the last 24 months.
4. Ensure location of & distance to power lines is in accordance with MCA SWP. Complete and electrical variance and electrical variance RUMS if necessary.
5. Ensure that location is of adequate build and construction.
6. Ensure that elevators and other lifting equipment are inspected. Caliper all lifting equipment at the beginning of each day or when sizes change.
7. When NU anything over an open wellhead (EPA, etc.) ensure the hole is covered to avoid dropping anything down hole
8. 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 (attached).
9. 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 & equipment. Check wellhead pressure. Kill well as required. Monitor to verify well is static.
2. Pull and lay down rods and pump. Inspect rods for signs of wear, corrosion, scale, etc. Note any rod damage in WellView.
3. ND wellhead. Nipple up 5,000 psi BOP with 2 3/8" pipe rams over blinds and 5,000 psi annular BOP.
4. Make up 4 1/2" test packer in production tubing string. Unset TAC. Pick up and run in hole with packer and 1 joint 2 3/8" tubing. Set packer at +/- 30'. Test BOP to 250 psi low / 500 psi high. Pull out of hole with test packer.
5. Scan out of hole with 2 3/8" production tubing.
6. RIH w/ 3-7/8" MTB on 2-3/8" workstring & clean out to PBTD (4,748').
7. POOH and laydown bit and workstring.
8. Set up an exclusion zone around the wireline perforating operation. All phones, radios, etc. need to be turned off.
9. Rig up full lubricator, test lubricator to 500 psi on catwalk. Get on depth with Bell Petroleum Survey's Compensated Neutron log dated 4/14/1986 (tie in strip attached). Perforate the 4-1/2" casing from 4,511 – 4,665' using 3-1/8" guns w/ 2 JSPF @ 120 degree phasing. Perf charge specs: 35 gram, 0.41" EHD, 47.56" ATP, or similar.
 - 4,510-14
 - 4526-30'
 - 4568-72'
 - 4596-4600'
 - 4618-22'
 - 4634-38'
 - 4647-51'
 - 4661-65'
10. POOH with perforating gun. Verify all shots fired.
11. RD wireline truck.
12. RIH with 4-1/2" treating packer on 2-3/8" workstring. Test tubing to 6,000 psi below slips while RIH.
13. Set packer at 4,400'.
14. RU Petroplex and acidize San Andres perfs from 4,511' – 4,800' with 10,000 gal 15% HCL containing 165 gals WLC-603. Pump acid in 4 equal stages and block with 1,000lbs rock salt/stage as a diverting agent. Adjust salt volumes as necessary based on pressure response. Pump acid at 4-6 BPM. Max Pressure = 4,800 psi. Load and pressure backside to 500 psi. Over

displace acid with 100 Bbls of FW to bottom perf at 4,800'. Monitor casing pressure for communication around packer.

15. Shut-in for 2 hours to allow acid to spend.
16. Flow or swab load back.
17. Release packer. Kill well as necessary (if possible use 10# BW – NOT 14# mud). POH and laydown packer.
18. Pick up and run in hole with 3-7/8" mill tooth bit and 6 ea. 3 1/2" drill collars on 2 3/8" workstring.
19. Clean out to PBTD at 4,748'. Circulate clean. TOH LD workstring and bit.
20. PU and RIH with 2-3/8" production tubing. Set SN & TAC as per attached SROD design.
21. ND BOP and install WH. Install wellhead connections.
22. RIH with pump (new) and rods as per attached SROD design.
23. Rig down and move off pulling unit & equipment.
24. Place well on production. Obtain stabilized well test.

RRW 10/3/2013

EMA 10/25/2013

RRW 1/8/14

Contacts:

Remedial Engineer – Evan Asire	(432-687-7784 / Cell: 432-301-2067)
Remedial Engineer – Jay Stockton	(432-687-7791 / Cell: 432-967-5644)
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. – Victor Bajomo	(432-687-7953 / Cell: 432-202-3767)
OS – Nick Moschetti	(Cell: 432-631-0646)

VGSAU #6 Wellbore Diagram

Created: 03/02/09 By: B. Scott
 Updated: _____ By: _____
 Lease: Vacuum Grayburg San Andres Unit
 Field: Vacuum Grayburg San Andres Unit
 Surf. Loc.: 990' FSL & 990' FWL
 Bot. Loc.: _____
 County: Lea St.: NM
 Status: Active Oil Well

Well #: 6 St. Lse: _____
 API: 30-025-21420
 Unit Ltr.: M Section: 2
 TSHP/Rng: S-18 E-34
 Unit Ltr.: _____ Section: _____
 TSHP/Rng: _____
 Directions: Buckeye, NM
 Chevno: _____

Surface Casing

Size: 7 5/8"
 Wt., Grd.: 15#, H-40
 Depth: 1710'
 Sxs Cmt: 600
 Circulate: Yes
 TOC: Surface
 Hole Size: 11"

Production Casing

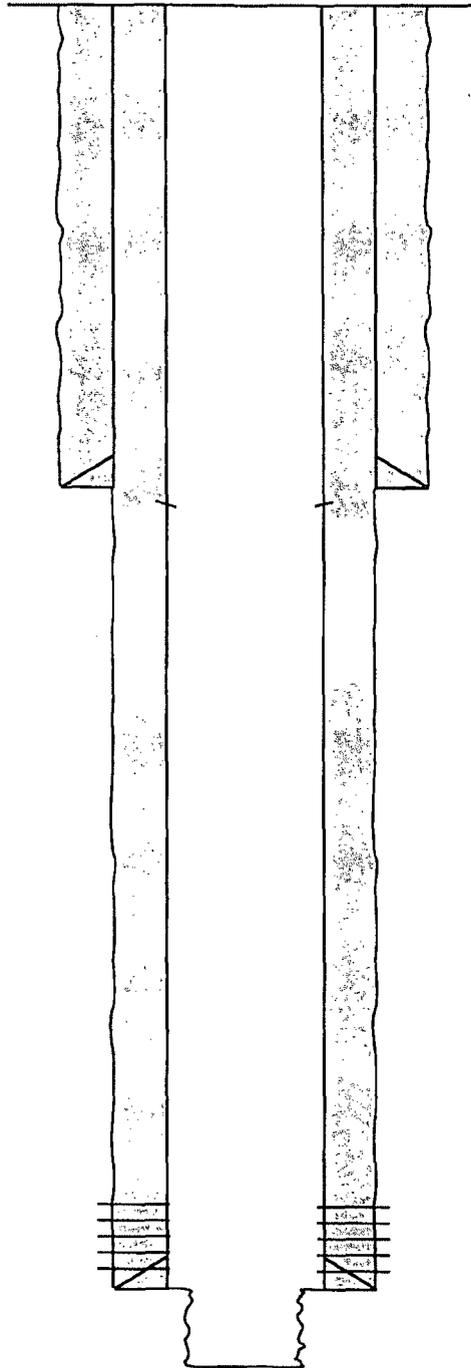
Size: 4 1/2"
 Wt., Grd.: 10.5#, J-55
 Depth: 4694'
 Sxs Cmt: 300
 Circulate: No
 TOC: 2900, 65% eff.
 Hole Size: 6 3/4"

Open Hole

Depth: 4694'
 Hole Size: 3 7/8"

Perforations - 1 JSPF

4511, 26, 67, 82, 90, 97
 4619, 28, 36, 48, 62, 74, 79
 4681-91



KB: _____
 DF: 4,021
 GL: 4,011
 Ini. Spud: 04/06/65
 Ini. Comp.: 04/23/65

History

4/23/65 Initial Completion: DO to 4682', perf 4619-79', AC w/ 2100 gal, Frac w/ 6M gal oil
10/21/72 Add Perfs: Perf 4511-97', AC w/ 1M gal, Frac 4511-4679' w/ 20M gelled crude & 20M 20/40 sand
4/28/81 Sqz Csg Leak: Set RBP @ 3000, perf 4 1/2" @ 1735', Set cmt rtmr @ 1660', Brk circ w/ 7 5/8" annulus, Cmt w/ 300 sx and circulate, SI BH, Sqz w/ 250 sx; DO cmt, test to 800# ok; Pull RBP, AC perfs w/ 2600 gal 15% NEFE, RTP.
3/12/86 Deepen: GIH w/ 3 7/8" bit, deepen to 4748', Perf 1 JSPF 4681-91', Set pkr 4470', AC w/ 9850 gal 15% NEFE, RTP.

PBTD: 4748'
 TD: 4748'