

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 July 18, 2013

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

DEC 02 2013

WELL API NO. 30-025-32450
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 GLORIETA WEST UNIT
8. Well Number 189
9. OGRID Number 4323
10. Pool name or Wildcat VACUUM ; GLORIETA
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: I 1650 feet from SOUTH line and 330 feet from the EAST line

Section 36

Township 17S

Range 34E

NMPM

County LEA

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

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 ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ADD PERFS, ACIDIZE, & RTP

SUBSEQUENT REPORT OF:

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

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 diagram of proposed completion or recompletion.

CHEVRON U.S.A. INC. INTENDS TO ADD PERFS, ACIDIZE, & RTP THE SUBJECT WELL.

PLEASE FIND ATTACHED, THE INTENDED PROCEDURE.

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 Denise Pinkerton TITLE REGULATORY SPECIALIST

DATE 11/27/2013

Type or print name DENISE PINKERTON

E-mail address: leakejd@chevron.com

PHONE: 432-687-7375

For State Use Only

APPROVED BY: Mah Whitaker TITLE Compliance Officer

DATE 12-3-2013

Conditions of Approval (if any):

DEC 03 2013

Well: VGWU No. 189
API No.: 30-025-32450
Lea County, New Mexico

Description of Work: Pull equipment, add perforations & acidize. Return well to production.

Pre-Job Work:

- Utilize the rig move check list.
- Check location, anchors (if they haven't been tested in the last 24 months, retest).
- Ensure location of & distance to power lines is in accordance with MCBU SWP. Complete and electrical variance and electrical variance RUMS if necessary.
- Ensure that location is adequate build and construction.
- Ensure that elevators and other lifting equipment are inspected. Caliper all lifting equipment at the beginning of each day or when sizes change.
- When NU anything over an open wellhead (EPA, etc.) ensure the hole is covered to avoid dropping anything downhole.
- 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.
- If the possibility of trapped pressure exists, check for possible obstructions 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 – Consult with remedial engineer before making any dummy run. Make a dummy run through the fish/tubular with sandline, slickline, eline, or rods to verify no obstruction.
- 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.
- CAUTION H₂S MAY BE PRESENT, TAKE PROPER PRECAUTIONS

Well: VGWU No. 189
API No.: 30-025-32450
Lea County, New Mexico

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 7 1/16" 5,000 psi BOP with 2 7/8" pipe rams over blinds.
4. Make up 5 1/2" test packer in production tubing string. Unset TAC. Pick up and run in hole with packer and 1 joint 2 7/8" tubing. Set packer at +/- 30'. Test BOP to 250 psi low / 500 psi high. Pull out of hole with test packer.
5. Pull out of hole and lay down 2 7/8" production tubing.
6. Move in and rig up wireline. Establish exclusion zone.
7. RU and test lubricator.
8. Perforate new perforations 6,081-85', 6,096-6,100', & 6,106-10' with 3 1/8" HP Slick Guns with 3 SPF as per Weatherford recommended procedure. Tie into Schlumberger's Gamma Ray – Casing Collar Log dated 11/08/1999 (tie in strip included).
9. POH with perforating gun.
****STIM-TUBE ONLY GLORIETA PERFORATED INTERVAL 5,890- 5,950'.****
10. Dump sand to cover Paddock perforations. Top Paddock perf located at 6,000' (~40.2 ft³ sand needed).
11. Tag top of sand, if necessary, add additional sand.
12. RIH with Stim-Tube
13. Verify that there is at least 1,000' of fluid above the top of the stim-tube. The stim-tube should also not be within 50' of a CIBP or RBP.
14. Stim-Tube existing Glorieta perfs and from 5,890' – 5,950' as per Weatherford's procedure. Set Stim-Tube @ ~5,925'
15. POH with Stim-Tube
16. Rig down lubricator and wireline truck.
17. Pick up and hydrotest in hole with 4 3/4" mill tooth bit on 2 7/8" new production tubing as the WS. Pick up additional joints to tag for fill.
18. Clean out to +/- 6,301' (PBSD). POH tbg and bit.
19. TIH with 5-1/2" treating packer on 2-7/8" EUE L-80 6.5# production string. Test tubing to 6,000 psi below slips while RIH. Set packer @ ~5,825'
20. Acidize both Glorieta and Paddock perfs from 5,890 – 6,110' with 8,000 gal 15% HCL. Divert using 4-5,000 # rock salt. Pump acid at 6-7 BPM. Max Pressure = 6,000 psi. Displace acid with FW to bottom perf at 6,110'. Flush and over flush perfs by 100 bbls FW. Monitor casing pressure for communication around packer.
21. Shut-in for 2 hours and allow acid to spend. Attempt to flow back load. Swab back load.

Well: VGWU No. 189
API No.: 30-025-32450
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22. Release packer, & POOH.
23. PU and RIH with new 2-7/8" production tubing as per ALCR recommendation.
24. ND BOP and install WH. Install wellhead connections.
25. RIH with new pump and rods as per ALCR.
26. Rig down and move off pulling unit & equipment.
27. Turn well over to Operations.

SPH 09/30/13

Contacts:

Remedial Engineer – Larry Birkelbach	(432-687-7650 / Cell: 432-208-4772)
Production Engineer – Sean Heaster	(432-687-7366 / Cell: 432-640-9031)
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)

**CURRENT
WELLBORE DIAGRAM
ACTIVE OIL PRODUCER**

Created: 3/15/2005 By: MTR
Updated: 9/11/2013 By: TFIZ
Lease: Vacuum Glorieta West Unit
Surface Location: 1650' FSL & 330' FEL
Bottomhole Location: Same
County: Lea St: NM
Directions to Wellsite: Buckeye, New Mexico

Well No.: 189 Field: Vacuum Grayburg San Andres
Unit Ltr: I Sec: 36 TSHP/Range: 17S-34E
Unit Ltr: Sec: TSHP/Range:
St Lease: 548570 API: 30-025-32450
Cost Center: UCT492400

Surface Csg.

Size: 8 5/8"
Wt.: 24#, WC-50
Set @: 1476'
Sxs cmt: 575 sks
Circ: Yes, 5 sks
TOC: Surface
Hole Size: 11"

Production Csg.

Size: 5 1/2"
Wt.: 15.5# & 17#
Set @: 8148'
Sxs Cmt: 1700 sks
Circ: Yes, 226 sks
TOC: Surface
Hole Size: 7 7/8"

PBTD: 6301'
TD: 8148'

Perforations: 5890 - 5980'
6000 - 6068'

KB: 3998'
DF:
GL: 3986'
Original Spud Date: 3/31/1994
Original Compl. Date: 4/28/1994

03/31/94: Spud Well
04/29/94: Acidize Original Perfs
w/25,000 gal 15% HCl.
05/03/94: Flowed 223 BO & 172
MCF in 24 hrs.
11/04/96: Add perforations in
Vacuum Blinebry from 6,396-
7,162' & Acidized with 4,000 gal
15% HCl. Acid Frac Blinebry perfs
with 24,000 gal 50 Quality CO2
foamed acid.
11/08/99: Set CIBP @ 6,336'. Perf
Glorieta 5,890-5,980' & Acidize
with 6,000 gal 15% NEFE HCl.
11/15/99: Perf 6,000-6,068'.
Acidize all perfs with 5,000 gal
15% NEFE HCl, 11/23 - pumped 28
BO, 57 BW, 43 MCF

Active Perfs: 5890-5925', 5930-50', 5955-
80' 2SPF. 6000-16', 6030-40', 6058-68'.

Proposed Perfs: 6,081-85', 6,096-6100',
6,106-10'

CIBP pushed to 7997' on 12/03/96

CIBP @ 6336' w/ cmt cap to 6301'

Blinebry Perfs: 6396-6406', 6500-04', 6518-20', 6526-38',
6556-58', 6588-90', 6616-24', 6658-6662', 6684-6690', 6722-
26', 6758-62', 6778-84', 6808-10', 6822-24', 6876-6886', 6908-
10', 6940-44', 6984-86', 7102-06', 7146-52', 7156-62'. (4 SPF,
408 Holes)

Original Perfs: 7503-06', 7510-16', 7522-25', 7540-44', 7548,
7586-7602', 7673-76', 7708', 7729-35', 7751-54', 7757-62',
7784', 7824', 7854-64', 7910-18'. (2 SPF, 142 holes)

PBTD: 6,301'
TD: 8,148'