

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103

June 19, 2008

RECEIVED

AUG 06 2010

HOBBSOCD

CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-025-34943

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

CENTRAL VACUUM UNIT

8. Well Number 286

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 ☐

2. Name of Operator

CHEVRON U.S.A. INC.

3. Address of Operator

15 SMITH ROAD, MIDLAND, TEXAS 79705

4. Well Location

Unit Letter O 584 feet from the SOUTH line and 1383 feet from the EAST line

Section 31 Township 17-S Range 35-E 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 ☐

SUBSEQUENT REPORT OF:

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

OTHER: INTENT TO ADD PERFS & ACIDIZE

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 ADD PERFS & ACIDIZE IN THE SUBJECT WELL.

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

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 08-05-2010

Type or print name DENISE PINKERTON

E-mail address: leakejd@chevron.com

PHONE: 432-687-7375

For State Use Only

APPROVED BY:

TITLE

PETROLEUM ENGINEER

DATE

AUG 11 2010

Conditions of Approval (if any):

CVU 286

Vacuum (Grayburg-San Andres) Field.

API No. 30-025-34943

Lea County, NM

Workover Procedure

1. Rig up pulling unit. Kill well. ND wellhead. NU BOP.
2. Rig up cable spoolers. TOH w/ 2-7/8" production tubing and ESP.
3. TIH w/ 4-3/4" bit, casing scraper and 6 3-1/2" drill collars on 2-3/8" workstring.
4. Rig up reverse unit and power swivel. Clean out wellbore 4796' (PBTD). Circulate hole clean and TOH.
5. TIH w/ 5-1/2" treating packer on 2-3/8" workstring and set at 4200'.
6. Mix 220 gallons SRW-196 scale convertor in 18 bbls fresh water. Displace convertor mixture with 25 bbls fresh water. Shut in overnight.
7. TOH with workstring.
8. Rig up perforating truck. Get on depth with SLB Perforation Depth Control Log dated 4/7/00. Perforate the 5-1/2 casing 4698' – 4740' w/ 2 JSPF (deep penetrating charges) at 120 degree phasing. While logging attempt to determine the condition of the non-perforated casing from 4626-64.
9. TIH w/ 5-1/2" treating packer on 2-3/8" workstring and set at 4640'. Hydrotest tubing to 5000 psi going in the hole.
10. Acidize perfs 4664'–4740' w/ 5000 gallons 15% NEFE HCl in 2 equal stages. Pump acid at 5 BPM. Maximum pressure = 5000 psi. Hold 500 psi pressure on the backside and monitor during job. Shut in well overnight.
11. Open well up and flow/swab back load.
12. Bleed off pressure. Release packer and pull up and set at 4300'. Load backside to 500 psi.
13. Acidize perfs 4361' – 4740' with 6,000 gallons 15% NEFE HCl. Pump acid in 3 equal stages using rock salt as a diverter. Hold 500 psi on the backside and monitor the annular pressure throughout job.
14. Displace acid to 4740'. Shut in well overnight.
15. Open well up and flow/swab back load.
16. TOH w/ workstring and packer.
17. TIH w/ notched collar and 550' of 2-3/8" tailpipe on 5-1/2" treating packer. Wash down to bottom to remove salt blocks. Pull up and set packer at 3800'. Load backside to 500 psi.
18. Scale squeeze formation as follows:
 - a. Pump 30 bbl. fresh water pre-pad
 - b. Mix 220 gal SCW-358 and 20 gallons XC-302 in 120 bbls fresh water.
 - c. Pump scale inhibitor mixture and displace with 325 bbls fresh water (includes 300 bbls of overflush)
 - d. Shut in for 24 hours.

Workover Procedure (cont.)

19. TOH w/ tubing and packer.
20. TIH w/ 4-3/4" bit and 6 3-1/2" drill collars on 2-3/8" workstring. Clean out to 4796'.
21. TOH laying down workstring and drill collars.
22. Rig up cable spoolers.
23. TIH w/ Test ESP on 2-7/8" production tubing and set at a depth as per ALCR recommendation (prior to this workover the top of the ESP was at 4243').
24. ND BOP. NU wellhead. Rig down pulling unit.
25. Return well to production.
26. Monitor well performance.
27. Optimize pump installation by either: purchasing ESP in the hole, re-sizing the ESP or install rod pumping equipment.

PTB 7/20/10

Contacts:

Remedial Engineer – Ivan Pinney 281-796-9252
Petroleum Engineer – Paul Brown 432-687-7351
ALCR – Carlos Valenzuela 575-390-9615
Baker Petrolite – Tim Gray 575-910-9390
Petroplex Acidizing – Steve Pendleton 432-556-4211
Centrilift – Matt Fisher 575-706-3277
Peak Packers – Sam Prieto 575-631-7704

CVU #286 Wellbore Diagram

Created: 02/28/06 By: C. A. Irle
 Updated: 08/08/07 By: HLH
 Lease: Central Vacuum Unit
 Field: Vacuum
 Surf. Loc.: 584' FSL & 1,383' FEL
 Bot. Loc.:
 County: Lea St.: NM
 Status: Active Oil Well

Well #: 286 St. Lse:
 API: 30-025-34943
 Unit Ltr.: O. Section: 31
 TSHP/Rng: S-17 E-35
 Unit Ltr.: Section:
 TSHP/Rng:
 Directions: Buckeye, NM
 CHEVNO: BY5498

Surface Casing

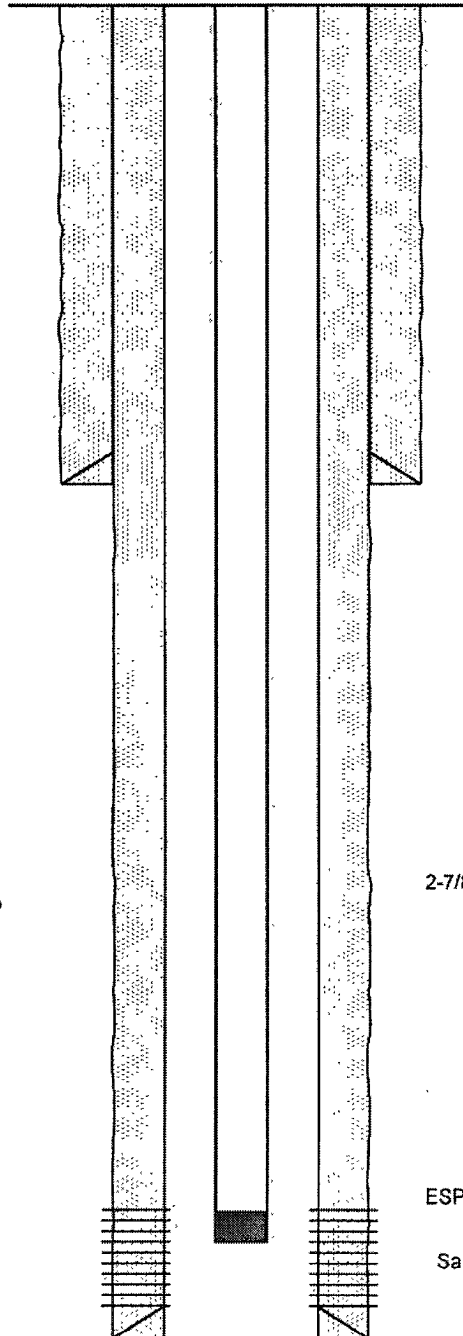
Size: 8 5/8"
 Wt., Grd.: 24#, J-55
 Depth: 1,550'
 Sxs Cmt: 805
 Circulate: Yes, 157sx
 TOC: Surface
 Hole Size: 12 1/4"

Perforations

4351-55,61-69,71-81,81-4409'
 4409-37',4444-4471',4471-99',
 4538-67,4567-96,4602-26,4664-98'
 (522 holes)

Production Casing

Size: 5 1/2"
 Wt., Grd.: 15.5# K-55
 Depth: 4,850'
 Sxs Cmt: 950
 Circulate: Yes, 10sx
 TOC: Surface
 Hole Size: 7 7/8"



KB: 3,978
 DF: 3,977
 GL: 3,965
 Ini. Spud: 03/26/00
 Ini. Comp.: 04/06/00

History

4/6/00 Ini Comp: Perf 4351-4698, spot 400
 gls 15% HCl, pkr 4318, acid 23000 gls 15%
 HCl 8400# RS, tag 4556, CO 4796 (FC).
 2/16/01 Frac USA: Spot 4600# 20/40 snd,
 tag 4537, pkr 4228, frac 48000 gls YF-135,
 52000# 16/30 snd 42000# 16/30 resin
 coated snd, tag 4470, CO 4796.

10/17/06- Blown motor flat lead

2-7/8" Production Tubing

ESP: 4243' - 4299'

San Andres Perfs: 4251' - 4698'

PBTD: 4,796'
 TD: 4,850'