Submit 1 Copy 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

HOBBS OCD
SEP 12 2011
RECEIVED

State of New Mexico
Energy, Minerals and Natural Resources

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

Form C-103
October 13, 2009

WELL API NO. 30-025-31873

5. Indicate Type of Lease STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

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)

7. Lease Name or Unit Agreement Name
VACUUM GLORIETA WEST UNIT

1. Type of Well: Oil Well ☐ Gas Well ☐ Other Injector

8. Well Number 91

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

9. OGRID Number 4323

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

10. Pool name or Wildcat
VACUUM GLORIETA

4. Well Location
Unit Letter I: 1459 feet from the SOUTH line and 1048 feet from the EAST line
Section 35 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:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
OTHER: CLEAN OUT & 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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

CHEVRON U.S.A. INC. INTENDS TO CLEAN OUT & ACIDIZE THE SUBJECT INJECTOR.
THE INTENDED PROCEDURE, WELLBORE DIAGRAM, & C-144 INFO IS ATTACHED FOR YOUR APPROVAL.

Spud Date: Rig Release Date:

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.

I hereby certify that the information above is true and complete to the best

SIGNATURE Denise Pinkerton TITLE REGULATORY SPECIALIST DATE 09-09-2011

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

For State Use Only

APPROVED BY: TITLE Staff Mgr DATE 9-12-2011

Condition of Approval: Notify OCD Hobbs office 24 hours prior to running MIT Test & Chart.

SEP 12 2011

VGWU 91

API No. 30-025-31873
Lea County, NM
C/O & Acidize Injector

Procedure

1. MIRU PU.
2. Notify OCD / BLM of intent to perform repair
3. Record tubing and casing pressures for kill weight calculations. Bleed pressure from production casing if necessary – note that well should be dead due to RBP set @ 4642'. Record / bleed pressure from surface valves if necessary and monitor throughout well work.
4. ND wellhead. NU 5K hydraulic BOP w/ blind rams in bottom, 2 7/8" pipe rams in top, & 3M annular. PU packer & 1 joint of workstring & test BOPE to 250 psi low / 750 psi high for 5 minutes. ***If Larkin style head on well, replace with flange type 3M.
5. Shut pipe rams and test casing to 500 psi for 15 minutes against RBP set @ 4642' – previous operation w/ routine rig showed a good test.
6. PU retrieving tool and TIH w/ 2 7/8" EUE, L-80, 6.5# WS to top of upper RBP @ 4642', wash sand off RBP, latch on, equalize pressure, & un-set RBP.
7. TOH stand back WS & LD RBP
8. PU RBP retrieval tool and 5 ½" pkr on w/ 2 7/8" EUE, L-80, 6.5# WS. TIH & set packer @ +/- 5775' & test lower RBP to 1000 psi (lower RBP set @ 5803'). Isolate casing leak – note that the operations rig isolated the leak interval f/ 4735' – 4799'. Attempt to establish an injection rate, injection pressure, and pressure bleed off response. (Note: well was drilled in 1993; a CIT may be run if needed to further determine casing integrity.
9. When casing leak is isolated, notify Remedial Engineer for squeeze procedure.
10. Con't TIH w/ pkr & retrieval tool & wash sand off top. Latch on to lower RBP @ 5803'. Equalize pressure & un-set RBP (be prepared to encounter trapped pressure under lower RBP)
11. POOH to 200' below leak interval & re-set RBP. Pressure test RBP to 1000 psi & dump 20' sand on top.

12. Squeeze leak per recommended procedure. Wait as recommended by cement provider prior to drilling out cement. Use surface cement samples to indicate cement integrity.

13. TOH w/ cement squeeze tubing / BHA as necessary. Stand back WS.

14. PU 4 3/4" MT bit, 6 x 3-1/2" DC's on 2 7/8" WS, and C/O cement. Stop 50' above leak interval if cement is green, apply 600 psi and shut in. WOC overnight. Once cement is cleaned out, test squeeze to 500 psi for 30 minutes.

15. POOH standing back WS & stand back cleanout assembly.

16. PU retrieving tool on 2 7/8" WS and TIH. Wash sand off RBP, latch on & un-set the RBP located 200' below leak interval.

17. TOH standing back workstring LD RBP.

18. TIH w/ 4 ¾" MT bit, 6 x 3-½" DCs, and 2 7/8" EUE, L-80 6.5# WS. Cleanout to 6186' (PBTD). POOH.

19. TOH stand back WS & LD C/O assembly.

20. TIH w/ 5 1/2" 17# treating pkr on 2-7/8" WS. Hydro-test tbg to 6000 psi while RIH. Set pkr @ +/- 5800'. Test backside to 300 psi.

21. Acidize perfs w/ 7000 gallons of 15% NEFE HCL and Rock Salt in 4 Stages of Acid and 3 Stages of Rock Salt (Use gelled BW during acid job) as follows:

    Have 7000# of Rock Salt on location. Pump acid at 8 BPM. Max Pressure 5800 psi. Apply 300 psi to backside and monitor pressure while pumping job. Adjust rock salt drops based on pressure response of previous drops.

    1) 500 gals Brine water as a pad to establish injection rate

    2) 2000 gals 15% NEFE HCL

    3) 2000# Rock Salt (Gelled Brine Water w/ 1.5 lb/gal concentration)

    4) 2000 gals 15% NEFE HCL

    5) 1500# Rock Salt (Gelled Brine Water w/ 1.5 lb/gal concentration)

    6) 1500 gals 15% NEFE HCL

    7) 1500# Rock Salt (Gelled Brine Water w/ 1.5 lbm/gal concentration)

8) 1500 gals 15% NEFE HCL

9) Switch to FW to displace to bottom of perfs .

22. Shut-in for 1 hour.

23. Flow back load.

24. Release pkr and TOH. LD pkr & WS.

25. TIH with 5 ½" 17# injection pkr with 1.43" 'F' profile nipple, on/off tool, & pump out plug on existing 2-3/8" Duo-Line injection tbg. Hydrotest tubing to 5000 psi. Ensure duo-line representative is present during TIH. Ensure that PN & on / off tool is accurately captured in WellView.

26. Set pkr @ +/-5800 per production engineer.

27. Release on / off tool & displace annulus with packer fluid. Re-engage on/off tool.

28. Perform pre-MIT - chart test to 500 psi for 30 min. Isolate reverse pump during test & use chart recorder to capture pressure response. Notify remedial engineer if pressure loss is greater than or equal to 10% of applied pressure.

29. Notify OCD / BLM w/ 24 hr intent to perform MIT test.

30. ND BOP.

31. NU wellhead.

32. Blow pump out plug.

33. RDMO PU.

34. Perform official MIT – apply 500 psi to casing for 30 minutes. Submit C-103 w/ original MIT chart attached.

35. Turn well over to production.

Contacts:

Nathaniel Brummert – Remedial Engineer (713-409-6170)
Carlos Valenzuela – ALCR (Cell: 575-390-9615)
Edgar Acero – Production Engineer (432-687-7343 / Cell: 432-230-0704)
Steve Pendleton – Petroplex Acidizing (432-563-1299 / 432-556-4211)
Drilling Supt – Heath Lynch – 281 685 6188

VGWU WI-91
API No. 30-025-31873