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

HOBBS OCD
SEP 27 2012
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
Revised August 1, 2011

WELL API NO. 30-025-30798

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.)

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

7. Lease Name or Unit Agreement Name
VACUUM GRAYBURG SAN ANDRES UNIT

8. Well Number 147

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 GRAYBURG S/A

4. Well Location
Unit Letter H : 1360 feet from the NORTH line and 660 feet from the EAST line
Section 2 Township 18-S Range 34-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:		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 ☐			
REPAIR MIT FAILURE		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 REPAIR THE SUBJECT WELL DUE TO MIT FAILURE.

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 09-26-2012

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

For State Use Only

APPROVED BY: Mark Whitaker TITLE Compliance Officer DATE 10-02-2012

Conditions of Approval (if any):

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.

OCT 02 2012

VGSAU 147
API No. 30-025-30798
Vacuum (Grayburg-San Andres) Field
Lea County, NM

Engineering Comments

The subject injection well has developed pressure on the tubing casing annulus. The cause of the pressure is due to a packer or on-off tool leak. The subject well is located in an active area of the VGSAU waterflood and needs to be repaired to maintain pattern production.

Project economics are based on preventing the loss of 10 MBOE reserves in pattern production.

Workover Procedure

PREWORK:

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 500ppm.**
8. 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.

WELLWORK:

1. Rig up pulling unit. Check wellhead pressure and kill well if necessary.
2. Pump tubing volume of 10 ppg brine. Check pressures for KWM calculations. Rig up wire line truck. Run gauge ring to determine the profile nipple size (should be 1.43" or 1.50". Set blanking plug in profile nipple. ND wellhead. NU 5,000 psi BOP with 2-3/8" pipe rams over blinds.
3. Unlatch tubing string from packer. Circulate kill mud. POH w/ 1 jt. tubing and test 5-1/2" test packer. Set test packer. Test BOP to 250 psi/500 psi. POH w/ test packer and 2-3/8" fiberlined injection tubing. Scan tubing coming out of the hole.
4. RIH w/ on-off tool overshot, 4' perf sub on 2-3/8" workstring.
5. Latch onto packer. Release packer and TOH. Lay down packer. Note: the packer has 613' (21 jts) of 2-3/8" fiberglass tailpipe below. **Note: Exercise caution when pulling the tail pipe through the injection interval. If there is any drag while pulling the fiberglass tailpipe though the injection interval a bit run will be required prior to re-running the injection string.**
6. Inspect packer and on-off tool and repair as necessary. Note in Wellview the primary cause of the mechanical integrity failure.
7. RIH w/ 5-1/2" RBP on 2-3/8" 4.7#/ft L-80 workstring and set at 4150'. Test casing to 500 psi. Release pressure and TOH w/ workstring and RBP.
8. TIH w/ 613' fiberglass tailpipe, 5-1/2" Arrowset IX injection packer (externally nickel plated internally plastic coated) w/ on-off tool (1.43" 'F" profile nipple) on 2-3/8" fiberlined injection

tubing. Install a pump out plug on bottom of fiberglass tubing. Hydrotest the injection tubing above the packer. Note:

9. Set packer at 4213'.
10. Unlatch from packer and circulate packer fluid.
11. Latch back onto packer.
12. Pressure test backside to 500 psi and hold for 30 minutes. (Pre-MIT).
13. Bleed off pressure. ND wellhead. NU BOP.
14. Notify OCD of upcoming MIT. Install chart recorder. Pressure test back side to 500 psi for 32 minutes to satisfy the requirements for an official MIT. Send the chart to Denise Pinkerton (Regulatory Analyst).
15. Rig down pulling unit.
16. Notify the injection specialist that the workover has been completed and that the well is being handed over to operations.
17. Write work order to reconnect the injection line.
18. File C-103 Subsequent Report with MIT chart attached to the OCD.
19. Place well on injection.

PTB 9/6/12

Contacts:

Production Engineer - Paul Brown	432-687-7351 / 432-238-8755
Remedial Engineer – Larry Birkelbach	432-687-7650 / 432-208-4772
ACLR – Danny Acosta	575-631-9033
Injection Specialist – Eliap Rodriguez	575-631-9676
OS – Nick Moschetti	432-631-0646

VGSAU #147 Wellbore Diagram

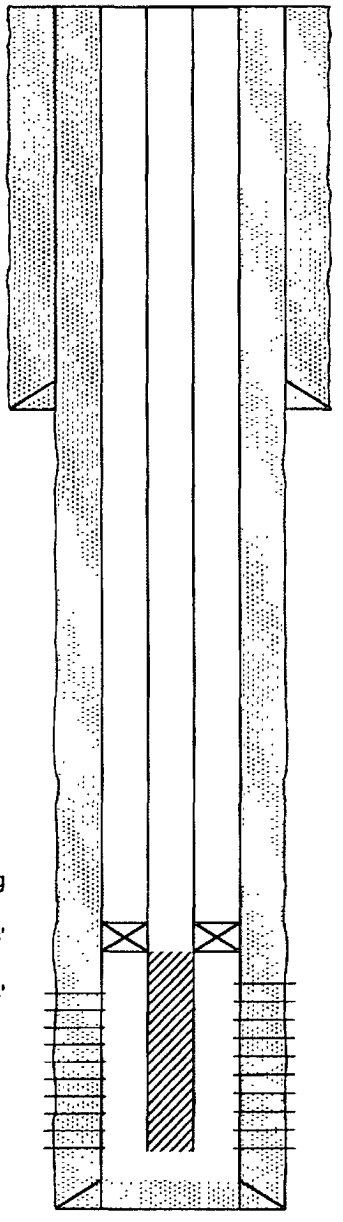
Created:	11/05/03	By:	SMG	Well #:	147	St. Lse:	857948
Updated:	04/01/08	By:	BSPT	API	30-025-30798		
Updated:	08/31/09	By:	NC				
Lease:	Vacuum Grayburg San Andres Unit			Unit Ltr.:	H	Section:	2
Field:	Vacuum Grayburg San Andres Unit			TSHP/Rng:	S-18 E-34		
Surf. Loc.:	1,360' FNL & 660' FEL			Unit Ltr..		Section:	
Bot. Loc.:				TSHP/Rng			
County:	Lea	St.:	NM	Directions:	Buckeye, NM		
Status:	Active Injection Well			Chevno:	QU2458		

Surface Casing

Size:	8 5/8"
Wt., Grd.:	24# WC-50
Depth:	1,530'
Sxs Cmt:	650
Circulate:	180 sx
TOC:	Surface
Hole Size:	11"

Production Casing

Size:	5 1/2"
Wt., Grd.:	15.5# WC-50
Depth:	4,900'
Sxs Cmt:	1,400
Circulate:	124 sx
TOC:	Surface
Hole Size:	7 7/8"



KB:	4,018
DF:	4,017
GL:	4,004
Ini Spud:	08/21/93
Ini. Comp.:	09/19/93

History

9/93 Ini Comp Perf 4308'-4720'; 2 JSPF, 388 Holes Acidize w/ 11,550 gls 15% HCl.
9/00 Acid & Sand Frac. Test casing - ok Tag fill @ 4244'. CO w/ bit to 4782' Acidize w/ 5000 gls 15% acid Tag fill at 4674' Clean out to 4782' Change BOP and pressure test Frac 4308'-4720' with 47,000 gls YF-135 & 100,000# 16/30 sand Flush with 1,680 gls. Tag at 4562' Clean out 220' of frac sand to 4782'.
10/07. Tagged fill @ 4224'
5/08 CO, Add TZ perfs, AC C/O 4238-4378' C/O 4370-4838'. Perfs 4740-4750, 4760-4766,4771-4775,4777-4781,4784-4790, 4794-4798,4800-4814,4817-4824,. Acidize 4308-4824' w/15,000 gals 15% HCL & 10,000# rock salt C/O fill 4663-4738 Mill 4706-4716 Bad csg @ 4738-4748, 4848-4860. C/O to 4900'

132 jts 2 3/8" Fiberline Tbg

On/Off Tool @ 4210'

Arrow-Set Pkr @ 4213'

613' Fiberglass Tailpipe
EOTP @ 4826'

Perforations
4308'-4824'

PBTD: 4,900
TD: 4,900