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
NOV 16 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. 30-025-38640

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
CENTRAL VACUUM UNIT

1. Type of Well: Oil Well ☐ Gas Well ☒ Other INJECTOR

8. Well Number 458

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 G/B SAN ANDRES

4. Well Location
Unit Letter A : 1153 feet from the NORTH line and 848 feet from the EAST line
Section 36 Township 17-S Range 34-E NMPM County LEA

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
3993' GL

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:	☐			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.

CVX IS GOING TO RIG UP ON THIS WELL TO IMPROVE T

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.

The Oil Conservation Division MUST BE NOTIFIED 24 Hours Prior to the beginning of operations

Condition of Approval: notify OCD Hobbs office 24 hours prior of running MIT Test & Chart

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 Reg. Spec DATE 11-15-12

Type or print name Denise Pinkerton E-mail address: PHONE: 432-687-7375

For State Use Only

APPROVED BY: TITLE Dist. Mgr DATE 11-19-2012

Conditions of Approval (if any):

NOV 19 2012

Well: Central Vacuum Unit # 458
Field: Vacuum Grayburg San Andres
API No.: 30-025- 38640
Lea County, New Mexico

Description of work: POOH with tubing and packer. Re-Perf with StimGun, acidize & RIH with injection equipment.

Pre-Work:

Check wellhead and all connections and change out anything that needs to be replaced prior to rigging up on the well

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 500 ppm (attached).
8. 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. Check wellhead pressure, and pump tubing volume of 10# BW. Calculate kill mud weight.
2. Rig up wireline truck. Test lubricator on catwalk to 1,000 psi. RIH with gauge ring. Set 1.5" "F" blanking plug in profile nipple.
3. ND wellhead. NU 5,000 psi BOP with 2-3/8" pipe rams over blinds with hydrill on top.
4. Release from on/off tool. Circulate kill mud. POOH with 1 joint of tubing, install 5-1/2" test packer, RIH & set packer at ~25'. Test BOP to 250 psi low / 500 psi high. POH & lay down test packer.

5. Latch back up and pressure casing to 500 psi to test for a casing leak.
6. POH with 2-3/8" fiberlined injection tubing. Scan tubing coming out of the hole, laying down bad joints. Provide remedial engineer tubing scan results so a decision can be made on the amount of new 2-3/8" Fiberline tubing will need to be purchased.
7. PU & RIH with on-off shuck, 4' perf sub on 2-3/8" work string. Latch up to on-off tool. RU WL and pull plug.
8. Release packer and TOH. Lay down packer.
9. Rig up wireline truck. Test lubricator on cat walk to 500 psi. NU Lubricator. Run in hole w/ 4 3/4" gauge ring to 4,800'. If clear, continue to step 10. If cannot get down, RIH with a 4-3/4" MTB on the end of 2-3/8" work string, making a cleanout run to 4,904'.
10. Get on depth with Baker Hughes Case RAL dated 01/16/09 (tie in strip attached). RIH with Baker Hughes Stimgun (propellant stimulation). Perforate the 5-1/2" casing as per Baker Hughes specs. Perforations are at 4,369' – 4,471', 4,700' – 4,781'.
11. POOH with Stimgun. Rig down wireline truck.
12. Change out BOP rams to 2-7/8". RIH with 1 joint of tubing and 5-1/2" packer. Set packer. Test BOP to 250 psi low / 500 psi high.
13. PU 5-1/2" treating packer & RBP (tubing retrieve) on 2-7/8" L80 workstring. Test tubing to 5,000 psi below slips while RIH.
14. Set RBP at 4,500'. Set packer at 4,300'. Prepare to acid stimulate.
15. Acidize San Andres perfs from 4,369 – 4,471' with 12,000 gal 15% HCL. Pump acid in 4 equal stages and block with 6,000lbs rock salt/stage as a diverting agent. Adjust salt volumes as necessary based on pressure response. Pump acid at 6-8 BPM. Max Pressure = 4,800 psi. Load and pressure backside to 500 psi. Displace acid with FW to bottom perf at 4,686'. Monitor casing pressure for communication around packer.
16. Shut-in for 2 hours to allow acid to spend.
17. Flow or swab load back.
18. Release packer. Kill well as necessary. RIH to release RBP. POH and laydown packer, RBP, and work string.
19. Change out BOP rams to 2-3/8". RIH with 1 joint of tubing and 5-1/2" packer. Set packer. Test BOP to 250 psi low / 500 psi high.
20. Hydro-test and RIH with 2-3/8" Fiberlined injection tubing with on-off tool and 1.43" ID 'F' profile nipple and 5-1/2" Arrow Set IX (external nickel plated, internal plastic coated) injection packer with pump out plug on bottom.
21. Set packer at 4,325' (Upper most setting depth is 4,269').
22. Unlatch tubing from packer and circulate packer fluid.
23. Latch tubing back on to packer.
24. Pressure backside to 500 psi and hold for 30 minutes (pre-MIT).

25. Bleed off pressure. ND BOP. NU wellhead. Pressure tubing to pump out plug.
26. Install chart recorder. Pressure backside to 500 psi for 33 minutes to satisfy requirements for an official MIT. Send chart to Denise Pinkerton (Chevron Regulatory) in Midland Office.
27. Rig down pulling unit.
28. Write work order to re-connect the injection line.
29. File C-103 subsequent report with MIT chart attached (Denise Pinkerton - Chevron Regulatory).
30. Place well on injection.

RRW 10/1/2012

Contacts:

Remedial Engineer – Larry Birkelbach	(432-687-7650 / Cell: 432-208-4772)
Production Engineer – Ryan Warmke	(432-687-7452 / Cell: 281-460-9143)
Baker Hughes Rep – Doug Lunsford	(432-570-1050 / Cell: 432-559-0396)
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)

CVU #458 Wellbore Diagram

Created:	01/08/09	By:	BSPT	Well #:	458	St. Lse:	-
Updated:	05/03/09	By:	NCayce	API	30-025-38640		
Updated:	06/04/09	By:	N Cayce				
Lease:	Central Vacuum Unit			Unit Ltr.:	A	Section:	36
Field:	Vacuum Grayburg San Andres			TSHP/Rng:	17S 34E		
Surf. Loc.:	1153' FNL 848' FEL			Unit Ltr.:		Section:	
Bot. Loc.:				TSHP/Rng:			
County:	Lea	St.:	NM	Directions:	Buckeye, NM		
Status:	Injection well			CHEVNO:	LC0823		
				OGRID:	4323		

KB:	4,004
DF:	
GL:	3,993
Ini. Spud:	11/17/08
Ini. Comp.:	02/12/09

Surface Casing

Size:	8 5/8"
Wt., Grd.:	24#, J-55
Depth:	1534'
Sxs Cmt:	1,160
Circulate:	360 sx
TOC:	Surface
Hole Size:	12 1/4"

Production Casing

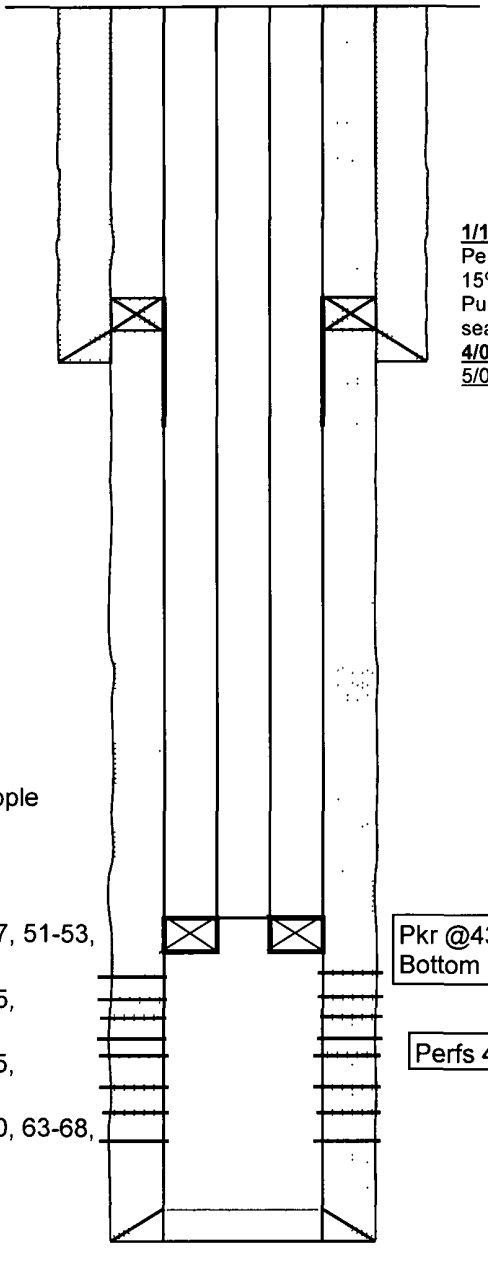
Size:	5 1/2"
Wt., Grd.:	17#, J-55
Depth:	5035'
Sxs Cmt:	1,300
Circulate:	470 sx
TOC:	Surface
Hole Size:	7 7/8"

Ryte-wrap csg f/ 1387'-1831'
ECP @ ~1320

137 jts 2-3/8" Fiberline tbg @ 4319'
On/Off tool 1.35 w/"F" 1.5 profile nipple

Detailed Perfs

4369-74, 83-87, 89-4400,
4405-11, 12-19, 22-26, 27-30, 44-47, 51-53,
4458-60, 62-64, 67-71.
4545-51, 54-58, 62-66, 68-76, 91-95,
4599-4600,
4602-04, 11-24, 58-61, 64-68, 70-75,
4679-83, 87-4703
4708-19, 27-29, 32-34, 36-40, 46-60, 63-68,
4771-75, 78-81.



1/12/09 Perf & acidize:
Perf 4369-4781. Acidize 4545-4624 w/6000 15% HCL w/175 ball sealers.
Pump 10,000 gals 15% HCL w/300 ball sealers.
4/09 Tag @ 4886'. Tbg press 1725.
5/09 Tag @ 4889. Tbg press 1795

PBTD:	4,904
TD:	5,035