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
MAR 26 2013
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.
30-025-25722

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 INJECTION

8. Well Number 56

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 SAN ANDRES

4. Well Location
Unit Letter C: 1310 feet from the NORTH line and ~~7620~~ 2620 feet from the WEST line
Section 36 Township 17-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 ☐			
OTHER: INTENT TO RE-PERF, ACIDIZE, & RTI		OTHER	

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.

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 INTENDS TO ACIDIZE, RE-PERF & RTI ON THE SUBJECT WELL.

PLEASE FIND ATTACHED, THE INTENDED PROCEDURE, WELL BORE DIAGRAM, & C-144 INFORMATION.

Spud Date: **The Oil Conservation Division MUST BE NOTIFIED 24 Hours Prior to the beginning of operations**

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

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: 03-22-2013

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

APPROVED BY: [signature] TITLE Dist. MGR DATE 3-28-2013

Conditions of Approval (if any):

MAR 28 2013

Well: Central Vacuum Unit # 56
Field: Vacuum Grayburg San Andres
API No.: 30-025- 25722
Lea County, New Mexico

Description of work: POOH with tubing and packer. CO. 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. Pressure test lubricator to 1,000 psi on catwalk. 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 4-1/2" 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 Arrowset packer and TOH. Lay down packer.
9. RIH with 3-7/8" MTB on 2-3/8" WS w/ (6) 3-1/8" DC's and CO from 4,379' to 4,778'.
10. POH with MTB and WS.
11. Rig up wireline truck. Test lubricator on cat walk to 500 psi. NU Lubricator. Get on depth with Western Wireline Services Compensated Neutron dated 1/10/78 (tie in strip attached). RIH with Baker Hughes Stimgun (propellant stimulation). Perforate the 4-1/2" casing as per Baker Hughes specs. Perforations are at 4,400' – 4,415', 4,442' – 4,462', 4,515' – 4,545', & 4,580' – 4,615'.
12. POOH with Stimgun. Rig down wireline truck.
13. PU 4-1/2" treating packer & RBP (tubing retrieve) on 2-3/8" L80 workstring. Test tubing to 5,000 psi below slips while RIH.
14. Set RBP at 4,630'. Set packer at 4,300'. Prepare to acid stimulate.
15. Acidize San Andres perfs from 4,400 – 4,615' 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 5-6 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. Hydro-test and RIH with 2-3/8" Fiberlined injection tubing with on-off tool and 1.43" ID 'F' profile nipple and 4-1/2" Arrow Set IX (external nickel plated, internal plastic coated) injection packer with pump out plug on bottom.
20. Set packer at 4,198' (Upper most setting depth is 3,858' – top of the unitized interval Per OCD Order R-5530-F – Production Engineer will let OCD know of intent to set packer more than 100' of top perf).
21. Unlatch tubing from packer and circulate packer fluid.
22. Latch tubing back on to packer.
23. Pressure backside to 500 psi and hold for 30 minutes (pre-MIT).
24. Bleed off pressure. ND BOP. NU wellhead. Pressure tubing to pump out plug.

Well: Central Vacuum Unit # 56
Field: Vacuum Grayburg San Andres
API No.: 30-025- 25722
Lea County, New Mexico

25. 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.
26. Rig down pulling unit.
27. Write work order to re-connect the injection line.
28. File C-103 subsequent report with MIT chart attached (Denise Pinkerton - Chevron Regulatory).
29. Place well on injection.

RRW 10/2/2012

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)

CURRENT
WELLBORE DIAGRAM

CVU 56

Created:		**By:**					
Updated:	6/17/2009	**By:**	N Cayce				
Lease:	Central Vacuum Unit	**Well No.:**	56	**Field:**	Vacuum Grayburg San Andres		
Surface Location:	1310 FNL 2630 FWL	**Unit Ltr:**	C	**Sec:**	36	**TSHP/Range:**	17S 34E
Bottomhole Location:		**Unit Ltr:**		**Sec:**		**TSHP/Range:**	
County:	Lea **St:** NM	**St Lease:**		**API:**	30-025-25722	**Cost Center:**	
Current Status:	Active Injection Well	**Elevation:**		**CHVNO:**		TEPI:	

Surface Csg.

Size:	8 5/8"
Wt.:	24#
Set @:	396'
Sxs cmt:	425 sx
Circ:	yes
TOC:	surface
Hole Size:	12 1/4"

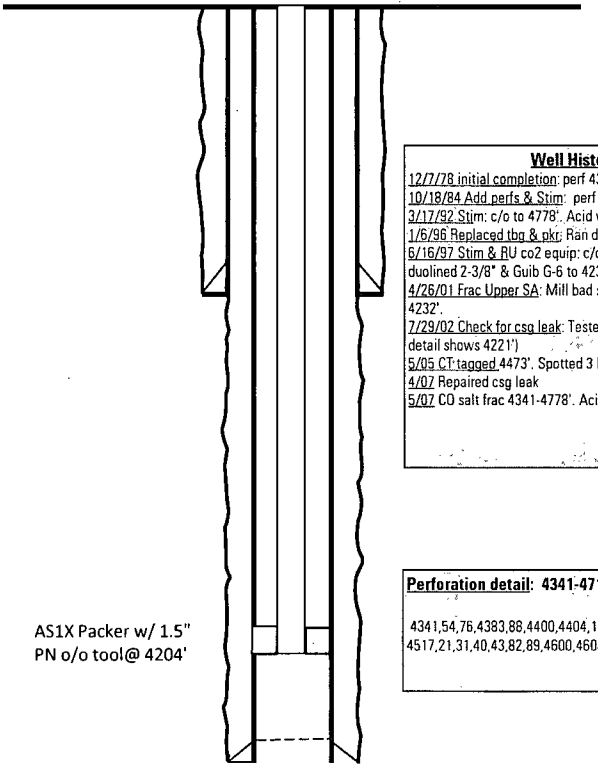
Tubing detail:

KB	12
1 jt 2-3/8" DUO-LINE	31.91
1 SUB 2-3/8"	10
1 SUB 2-3/8"	10
1 SUB 2-3/8"	6
131 jts 2-3/8"	4149.62
4-1/2" LOCKSET pkr W/DUO-LINE set @	4220.9

Production Csg.

Size:	4 1/2"
Wt.:	10.5#
Set @:	4800'
Sxs Cmt:	2200 sx
Circ:	yes
TOC:	surface
Hole Size:	7 7/8"

Perfs: 4341-4710'



PBTD: 4778'
TD: 4800'

KB: 12'
DF:
GL: 3993'
Original Spud Date: 1/26/1978
Original Compl. Date: 2/6/1978

Well History

12/7/78 initial completion: perf 4383-4710'. Acid 5500 gals 15% NEFE.
10/18/84 Add perfs & Stim: perf 2 jspf 4341-4608'. Acid 4000 gals 15%
3/17/92 Stim: c/o to 4778'. Acid w/6500 gals 20% HCL w/5500# RS & 156 BS
1/6/96 Replaced tbg & pkr; Ran duolined 2-3/8" & 4.5" AD-1 set @ 4233'
6/16/97 Stim & RU co2 equip: c/o to 4725. Ran insp log 4725' to surf. Acid 8000 gals. Ran duolined 2-3/8" & Guib G-6 to 4236'.
4/26/01 Frac Upper SA: Mill bad spot @ 4390'. C/o to 4778'. Frac upper SA. Set pkr @ 4232'.
7/29/02 Check for csg leak: Tested OK. Ran 2-3/8" duolined & Lokset pkr to 4204? (tbg detail shows 4221')
5/05 CT tagged 4473'. Spotted 3 bbls acid. Could not make hole.
4/07 Repaired csg leak
5/07 CO salt frac 4341-4778'. Acid 4341-4710' w/5000 gals 15%

Perforation detail: 4341-4710'

4341,54,76,4383,88,4400,4404,13,44,49,57,61,
4517,21,31,40,43,82,89,4600,4608,15,51,66,80,88,4700,4710.