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

State of New Mexico
Energy, Minerals and Natural Resources

HOBBS OCD
MAR 26 2013
RECEIVED

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

Form C-103
Revised August 1, 2011

WELL API NO.
30-025-25708

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 81

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 L 1332 feet from the SOUTH line and 1310 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: REPAIR MIT & 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.

THIS WELL HAS A MIT FAILURE. WE WILL RIG UP TO REPAIR THE WELL, & RTI. ADDITIONAL WORK WILL BE DONE TO IMPROVE CONFORMANCE.

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

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

Spud Date:

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: TITLE Dist. Mgr DATE MAR 28 2013

Conditions of Approval (if any):

MAR 28 2013

Well: Central Vacuum Unit # 81
Field: Vacuum Grayburg San Andres
API No.: 30-025-25708
Lea County, New Mexico

Description of work: Release packer, POOH with tubing and packer. CO, log, re-perf & acidize. RIH with injection tubing and packer; set the packer and test. RTI.

Pre-Work:

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

1. Check wellhead connections for pressure rating & condition. Change out if necessary.
2. Utilize the rig move check list.
3. Check anchors and verify that pull test has been completed in the last 24 months.
4. Ensure location of & distance to power lines is in accordance with MCA SWP. Complete and electrical variance and electrical variance RUMS if necessary.
5. Ensure that location is of adequate build and construction.
6. Ensure that elevators and other lifting equipment are inspected. Caliper all lifting equipment at the beginning of each day or when sizes change.
7. When NU anything over and open wellhead (EPA, etc.) ensure the hole is covered to avoid dropping anything downhole
8. 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).
9. 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 1.43" "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 / 1,000 psi high. POH & lay down test packer.

5. Pressure casing to 500 psi to test for a casing leak. Notify Remedial Engineer with results.
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 AS1X packer and TOH. Lay down packer.
9. RIH with a 3-7/8" MTB on the end of 2-3/8" work string, making a cleanout run to 4,800'. Circulate clean. Spot 10% acidic acid from 4,722 – 4,800' & POH.
10. Rig up wireline truck. Test lubricator on cat walk to 500 psi. NU Lubricator. Run in hole w/ Baker Hughes cased hole GR-CNL and log from 4,700' – 4,800'. Get on depth with CRC Wireline GR-CNL-CCL dated 3/27/1979 (tie in strip attached). Get logs to ES (Scott Ingram) & RE to pick perfs from 4,730' – 4,800'. Prepare to perforate.
11. RIH with Baker Hughes 3-1/8" EHC Predator XP perf gun. Perforate the 4-1/2" casing as follows with 3 JSPF (120 degree phasing):

    - 4,740' – 4,800' (as per ES recommendation after logs are obtained)
    - 4,722' – 28' (24 shots)
    - 4,516 – 27' (44 shots)
    - 4,488 – 503' (60 shots)
    - 4,412 – 22' (40 shots)
    - 4,320 – 62' (168 shots)

12. POOH with perforating gun.
13. Rig down wireline truck. Prepare to acid stimulate.
14. RIH with 4-1/2" treating packer on 2-3/8" workstring. Test tubing to 5,000 psi below slips while RIH.
15. Set packer at 4,254'.
16. Acidize San Andres perfs from 4,320 – 4,800' with 20,000 gal 15% HCL. Pump acid in 5 equal stages and block with 8,000lbs rock salt/stage as a diverting agent. Adjust salt volumes as necessary based on pressure response. Pump acid at 4-6 BPM. Max Pressure = 4,800 psi. Load and pressure backside to 500 psi. Displace acid with FW to bottom perf at 4,800'. Monitor casing pressure for communication around packer.
17. Shut-in for 2 hours to allow acid to spend.
18. Flow or swab load back.

Well: Central Vacuum Unit # 81
Field: Vacuum Grayburg San Andres
API No.: 30-025-25708
Lea County, New Mexico

19. Release packer. Kill well as necessary (if possible use 10# BW – NOT 14# mud). POH and laydown packer.
20. RIH with a 3-7/8" MTB on the end of 2-3/8" work string, making a cleanout run to 4,800'. Circulate clean. POH and laydown MTB and workstring.
21. 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.
22. Set packer at 4,254' (Upper most setting depth is 4,222').
23. Unlatch tubing from packer and circulate packer fluid.
24. Latch tubing back on to packer.
25. Pressure backside to 500 psi and hold for 30 minutes (pre-MIT).
26. Bleed off pressure. ND BOP. NU wellhead. Pressure tubing to pump out plug.
27. Install chart recorder. Pressure backside to 530 psi for 33 minutes to satisfy requirements for an official MIT. Send chart to Denise Pinkerton (Chevron Regulatory) in Midland Office.
28. Rig down pulling unit.
29. Write work order to re-connect the injection line.
30. File C-103 subsequent report with MIT chart attached (Denise Pinkerton - Chevron Regulatory).
31. Place well on injection.

RRW 12/11/2012

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

Created:	6/23/2005	By: GAA					
Updated:	9/8/2008	By: Ncayce					
Updated:	5/6/2009	By: PTB					
Updated:	8/26/2009	By: Ncayce					
Lease:	Central Vacuum Unit		**Well No.:**	81	**Field:**	Vacuum	
Surface Location:	1332 FSL & 1310 FWL		**Unit Ltr:**	L	**Sec:** 36	**TSHP/Range:**	17S-34E
Bottomhole Location:	Same		**Unit Ltr:**		**Sec:**	**TSHP/Range:**	
County:	Lea	**St:** NM	**St Lease:**	B-2146	**API:** 30-025-25708	**Cost Center:**	BCT494500
Current Status:	Active Injector		**Elevation:**	3998' GL	**CHVNO:** EP8748		
Directions to Wellsite:	Buckeye, New Mexico						

Surface Csg.

Size:	13 3/8"
Wt.:	48#, H-40
Set @:	355'
Sxs cmt:	400
Circ:	Yes
TOC:	Surface
Hole Size:	17 1/2"

Intermediate Csg. #1

Size:	9 5/8"
Wt.:	32#, K-55
Set @:	1500'
Sxs cmt:	800
Circ:	Yes
TOC:	Surface
Hole Size:	12 1/4"

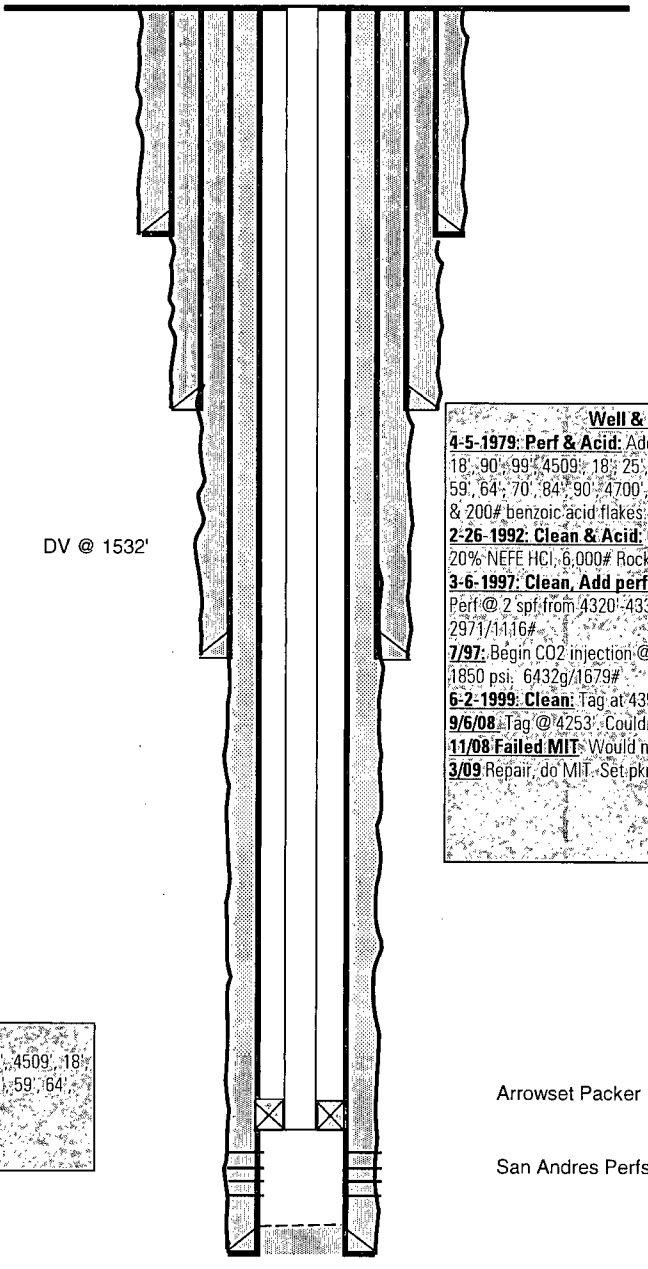
Intermediate Csg. #2

Size:	7"
Wt.:	23#, K-55
Set @:	2763 ft
Sxs cmt:	650
Circ:	Yes
TOC:	Surface
Hole Size:	8 3/4"

DV @ 1532'

Production Csg.

Size:	4 1/2"
Wt.:	10.5#, K-55
Set @:	4800'
Sxs cmt:	800
Circ:	Yes
TOC:	Surface
Hole Size:	6 1/8"



KB:	4010
DF:	4009
GL:	3998
Original Spud Date:	3/3/1979
Original Compl. Date:	4/5/1979

Well & Failure History

4-5-1979: Perf & Acid: Add perfs @ 2 spf @ 4322', 30', 44', 51', 60', 4416', 18', 90', 99', 4509', 18', 25', 74', 79', 91', 97', 4604', 10', 18', 24', 34', 42', 48', 59', 64', 70', 84', 90', 4700', 05'. Acid with 7500 gls 15% NEA & 400# rock salt & 200# benzoic acid flakes.
2-26-1992: Clean & Acid: Cleaned with bailer to 4750'. Acid with 10,000 gls 20% NEFE HCl, 6,000# Rock salt, & 238 ball sealers. 2001/840#
3-6-1997: Clean, Add perfs, & Acid: Tag to 4333' and clean with bit to 4723'. Perf @ 2 spf from 4320'-4335'. Acid new perfs with 6,000 gls 15% NEFE HCl. 2971/1116#
7/97: Begin CO2 injection @ est. rate of 3610 mcfd. Max allowed pressure is 1850 psi. 6432g/1679#
6-2-1999: Clean: Tag at 4352'. Clean 3 7/8" bit to 4741'. 1018/1700#
9/6/08 Tag @ 4253'. Couldn't get thru pkr. Pkr @ 4265'.
11/08 Failed MIT - Would not hold pressure during test. Repair due 2/16/09.
3/09 Repair, do MIT. Set pkr. @4264'.

Perforation detail:
4/5/1979: 4322', 30', 44', 51', 60', 4416', 18', 90', 99', 4509', 18', 25', 74', 79', 91', 97', 4604', 10', 18', 24', 34', 42', 48', 59', 64', 70', 84', 90', 4700', 05' (2 SPF).
3-6-1997: 4320'-4335'

Arrowset Packer @ 4264'

San Andres Perfs: 4320' - 4705'

PBTD: 4741' ft
TD: 4800 ft