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

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

HOBBS OCD
MAY 22 2014
RECEIVED

Form C-103
Revised July 18, 2013

WELL API NO. 30-025-25712	
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 101
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: G 1410 feet from NORTH line and 1336 feet from the EAST line Section 6 Township 18S Range 35E 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 ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: 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.

This injection well is currently down for a MIT failure. It is recommended that this well be rigged up on to restore the mechanical integrity of the wellbore and return it to injection.

PLEASE FIND ATTACHED, THE INTENDED PROCEDURE AND WELLBORE DIAGRAM.

DURING THIS PROCESS WE PLAN TO USE THE CLOSED LOOP SYSTEM WITH A STEEL TANK AND HAUL TO THE REQUIRED DISPOSAL, PER THE OCD RULE 19.15.17.

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 05/19/2014

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

For State Use Only

APPROVED BY: Bill Howard TITLE Staff Manager DATE 5/23/2014

Conditions of Approval (if any):

MAY 27 2014

Central Vacuum Unit 101
API No. 30-025-25712
Lea County, NM

Engineering Comments

This injection well is currently down for a MIT failure. It is recommended that this well be rigged up on the restore the mechanical integrity of the wellbore and return it to injection.

This well was rigged up on in Dec 2010, for a clean out and acid job. The casing was tested and held. This wellbore has two intermediate strings, and a hole in the casing is not anticipated to be found while on the well. Typically casing problems occur if the surface casing is set shallow (~350') and there is no intermediate casing string.

The incremental production used is the current decline of 16% from 50 BOPD minus the same IP with double the current decline rate to account for the increased decline if injection is not restored. The case runs for 5 years. The WBS includes fund to replace the packer and tubing if necessary and a make a clean out run while on the well. Once this well work is complete and the flowline to the well is repaired, this injector will begin CO2 injection.

Ryan Warmke
4/4/14

Well: Central Vacuum Unit # 101
Field: Vacuum Grayburg San Andres
API No.: 30-025-25712
Lea County, New Mexico

Description of work: TOH with existing injection equipment. CO and remediate leaks. TIH with injection tubing and packer. 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. Coordinate with FMT for route survey between locations.
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. Prior to RU pulling unit, check tubing pressure. Rig up flowback crew and bleed down well to workable pressure, if needed.
2. Rig up pulling unit and associated surface equipment.
3. Check wellhead pressure, and pump +/- 300 bbls of 10# BW. Shut in for 30 minutes and calculate kill mud weight. Pressure casing to 500 psi to test for possible casing leaks. Notify remedial engineer with results.
4. Rig up wireline truck. Set up exclusion zone around WL unit. Test lubricator on catwalk to 1,000 psi. RIH with gauge ring to ensure tubing is free of debris or obstructions. RIH

and set blanking plug in profile nipple (1.43" F PN). Pressure test tubing to 1,500 psi after plug is set. Bleed off pressure and leave plug set. RD WL unit.

Refer to SOP-W003 "Workover and Completion Barrier Standards"

5. Monitor well for 30 minutes to ensure well is static. ND wellhead tree.
6. NU 5,000 psi BOP with 2-3/8" pipe rams over blind rams.
7. Release from On/Off tool. TOH with 1 joint of tubing, install 4-1/2" test packer, TIH & set packer at ~25'. Test BOP to 250/500 psi. TOH & lay down test packer.
8. Circulate kill mud (KWM).
9. TOH scanning tubing. Stand back yellow band tubing and lay down all others.
10. MIUL and strap 2-3/8" 4.7# L-80 8RD EUE tubing as workstring.
11. PU slotted SN and on/off tool. TIH on 2-3/8" workstring and latch onto packer.
12. RU WL unit and and set up exclusion zone. RIH and retrieve blanking plug in profile nipple. RD WL unit.
13. Release packer and TOH. Lay down packer.
14. TIH with a 3-7/8" MTB on 2-3/8" work string, continue in the hole to the PBTD @ 4,764'. Circulate hole clean.
15. TOH and lay down bit. Secure well.
16. If casing didn't test in step #3, PU 4-1/2" RBP and 4-1/2" packer. TIH and set RBP at ~4250'. Work packer uphole to isolate casing leak. Once leak is found, establish injection rates and pressures into leak, if it can be done safely. Max pump pressure = 750 psi. Notify remedial engineer of results (step rates & pressures, total fluid, communication at surface, etc.). Secure well and await supplemental procedure to remediate casing leak.
17. If casing tested okay in step #3, MIUL and strap 2-3/8" fiberlined injection tubing.
18. TIH with 2-3/8" Fiberlined injection tubing (hydrotesting to 5000 psi) with on-off tool, 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.
19. Set packer at 4,180' (Upper most setting depth is 4,176').
20. Load tubing & equalize pressure @ on/off tool. Unlatch from on/off tool, circulate packer fluid to surface, and latch onto on/off tool.
21. Run preliminary MIT – apply 550 psi to the casing for 30 minutes. Isolate reverse pump during the pre-MIT & use chart recorder to record the pressure response. Notify remedial engineer if pressure losses are greater than or equal to 10 % of applied pressure.
22. Notify OCD w/ 24 hrs of intent to run official MIT.
23. If pre-MIT test is good, bleed off backside pressure

Well: Central Vacuum Unit # 101
Field: Vacuum Grayburg San Andres
API No.: 30-025-25712
Lea County, New Mexico

Refer to SOP-W003 "Workover and Completion Barrier Standards"

24. Monitor well for 30 minutes for flow prior to ND BOPE.
25. ND BOPE, NU wellhead, blow pump off plug and pump down to PBTD.
26. RDMO pulling unit and associated surface equipment.
27. Note in WellView on time log *****Final Report*****
28. Perform and chart final MIT to 550 psi for 30 min. Submit C103 report with original MIT chart attached.
29. Write work order to re-connect the injection line.
30. Hand over to production for return to injection.

RRW 3/27/2014
EMA 4/2/2014

Contacts:

Remedial Engineer – Evan Asire	(432-687-7784 / Cell: 432-301-2067)
Production Engineer – Ryan Warmke	(432-687-7452 / Cell: 281-460-9143)
ALCR – Danny Acosta	(Cell: 575-631-9033)
D&C Ops Manager – Boyd Schaneman	(432-687-7402 / Cell: 432-238-3667)
D&C Supt. – Victor Bajomo	(432-687-7953 / Cell: 432-202-3767)
OS – Nick Moschetti	(Cell: 432-631-0646)
Baker Petrolite – Tim Gray	(Cell: 575-910-9390)

D&C Approved SOPs:

https://collab001-hou.sp.chevron.net/sites/MCBUAD/DandCLT/DSMWSM/DC%20Approved%20Standard%20Operating%20Procedures/Forms/AllItems.aspx

CVU 101 Wellbore Diagram

Created:	09/02/09	By:	Cayce	Well #:	101	St. Lse:	B 1306
Updated:	08/13/10	By:	PTB	API	30-025-25712		
Lease:	Central Vacuum Unit			Unit Ltr.:	G	Section:	6
Field:	Vacuum Grayburg San Andres			TSHP/Rng:	18S / 35E		
Surf. Loc.:	1410' FNL & 1336' FEL			Unit Ltr.:		Section:	
Bot. Loc.:				TSHP/Rng:			
County:	Lea	St.:	NM	Directions:	Buckeye, NM		
Status:	CO2/Water Injection Well			CHEVNO:	EP8792		
				OGRID:			

Surface Casing

Size:	13 3/8"
Wt., Grd.:	48#
Depth:	355'
Sxs Cmt:	400
Circulate:	yes
TOC:	surface
Hole Size:	17 1/2"

Intermediate Casing

Size:	9 5/8"
Wt., Grd.:	32#
Depth:	1465'
Sxs Cmt:	800
Circulate:	yes
TOC:	surface
Hole Size:	12 1/4"

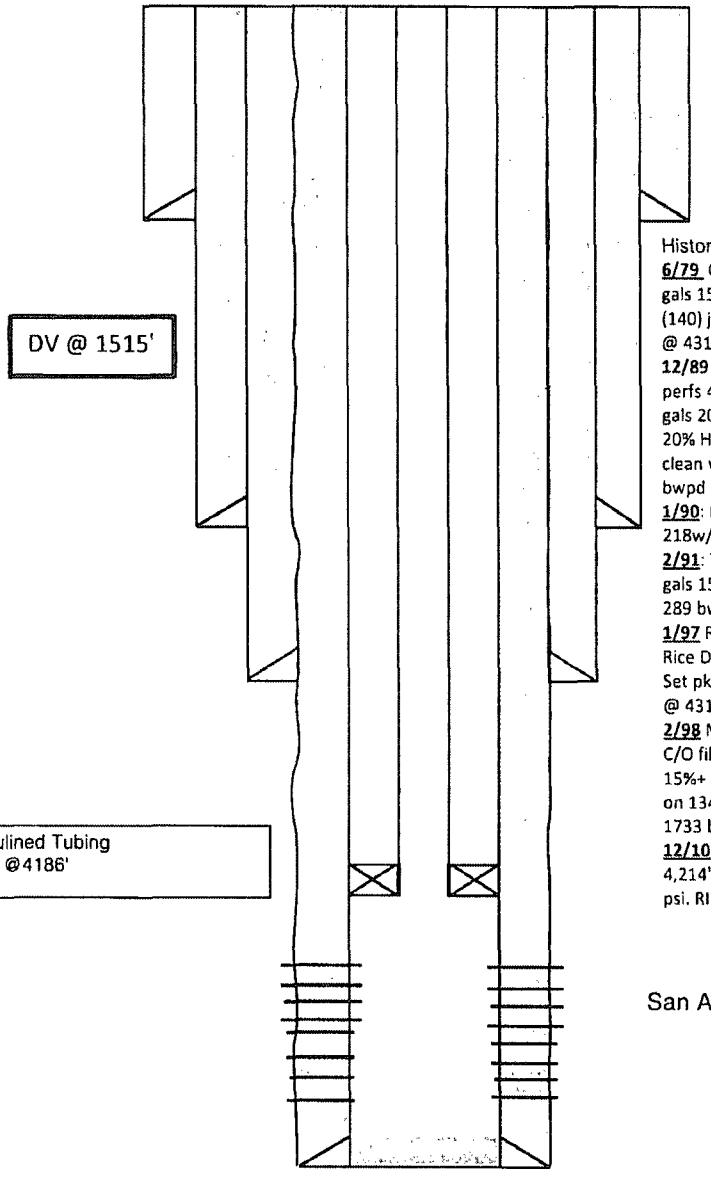
Intermediate Casing

Size:	7"
Wt., Grd.:	23# K-55
Depth:	2740'
Sxs Cmt:	650
Circulate:	yes
TOC:	surface
Hole Size:	8 3/4"

Production Casing

Size:	4 1/2"
Wt., Grd.:	10.5#
Depth:	4800'
Sxs Cmt:	800
Circulate:	y - 60 sxs
TOC:	surface
Hole Size:	6 1/8"

Perf detail:
4276-86,98-4308,4310-15,24-34,38-43,4366,70,74,83,93,4404,4410-12,14,21,27,30,38,58,80,92,4502,07,10,18,28,40,64,69,79,85,96,4602,08,16,39,46,54,60,4,686-94', 88,4696'
Perfs aded in 12/10:
4,298-4,316'
4,364-74', 82-92'
4,410-18', 34-42', 55-59', 76-85', 89-96',
4,498-4,512'
4,523-32', 75-80'



PBTD: 4764'
TD: 4800'

KB:	3,988
DF:	
GL:	3976'
Ini. Spud:	05/12/79
Ini. Comp.:	06/07/79

History

6/79 Completion. Perf 4366-4696'. Acid w/8000 gals 15% NE acid in 4 stages w/1000# RS. Ran 4314' (140) jts 2-3/8" OD plastic-coated tbg w/ pkr. @ set @ 4319'. Begin water inj.

12/89 Spot 300 gals 4% NA Perborate across 4-1/2" perfs 4366-4764'. Sqzd out addl. 100 gals. Spot 300 gals 20% HCl w/5% checkersol. Sqzd out 1200 gals 20% HC1 w/23,000 SCF N2. P/27,000 SCF N2 to clean well. Inj prior 218 bwpd @ 985 psi. After 304 bwpd @ 985 psi.

1/90: Perf CT AC 1200 gals 20%, w/23000 SCF N2, B: 218w/985#, A: 304w/985#

2/91: Treat perfs w/sodium perborate. Acid w/3000 gals 15% NEFE. Prior 1313 vwpd @ 965 psi. After 289 bwpd @ 875 psi.

1/97 Repaired inj pkr & tested csg. TIH w/2-3/8" Rice Duo-Line tbg & 4-1/2" repaired AD-1 inj pkr. Set pkr @ 4319'. Tested 4-1/2" csg from surf to pkr @ 4319'. Test OK.

2/98 MIT good. Pkr set @ 4182'.

C/O fill 4628-4794' CNL, perf 4276-4412', AC 15M 15%+ 7000#RS in 5 stages. TIH w/pkr & on/off tool on 134 jts 2-3/8" tbg @ 4165.46'. PSA 4182'. Inj 1733 bwpd @ 1534 psi.

12/10 CO to 4,764. Perf 4,298-4,694'. Set pck at 4,214' & acidize w/ 5,250g 15% @ 5 BPM and 2,800 psi. RIH w/ 2-3/8" doulined tubing on 4-1/2" AS1X

San Andres Perfs: 4276' - 4696'