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. 30-025-38002	
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 342
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 : 82 feet from the NORTH line and 1186 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.)* 3975' 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 THE CONFORMANCE AND RTI.

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

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.

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 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 # 342
Field: Vacuum Grayburg San Andres
API No.: 30-025-38002
Lea County, New Mexico

Description of work: Release packer, POOH with tubing and packer. Add new perfs 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 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. 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.
6. PU & RIH with on-off shuck, 4' perf sub on 2-3/8" work string. Latch up to on-off tool.
7. Release Arrowset packer and TOH. Lay down packer. Inspect packer and repair.
8. Rig up wireline truck. Test lubricator on cat walk to 500 psi. NU Lubricator. Run in hole w/ 4 3/4" gauge ring to 4,600'. Get on depth with Baker Hughes CBL dated 12/13/06 (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 4334-38', 4349-53', 4362-66', 4370-74', 4378-82', 4390-416', 4429-33', 4436-40', 4571-75', 4583-93'.
9. POOH with Stimgun. Rig down wireline truck.
10. 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.
11. 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.
12. Set RBP at 4,610'. Set packer at 4,234'. Prepare to acid stimulate.
13. Acidize San Andres perfs from 4,334 – 4,593' with 16,000 gal 15% HCL. Divert using 140, 1.2 SG 7/8" bio-balls and spread evenly throughout the job. 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 4,593'. Monitor casing pressure for communication around packer.
14. Shut-in for 2 hours to allow acid to spend and bio-balls to break.
15. Flow or swab load back.
16. Release packer. Kill well as necessary. RIH to release RBP. POH and laydown packer, RBP, and work string.
17. 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.
18. 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.
19. Set packer at 4,310' (Upper most setting depth is 4,234').
20. Unlatch tubing from packer and circulate packer fluid.
21. Latch tubing back on to packer.
22. Pressure backside to 500 psi and hold for 30 minutes (pre-MIT).
23. Bleed off pressure. ND BOP. NU wellhead. Pressure tubing to pump out plug.
24. 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.

Well: Central Vacuum Unit # 342
Field: Vacuum Grayburg San Andres
API No.: 30-025-38002
Lea County, New Mexico

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

RRW 8/28/2012

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)

WELLBORE DIAGRAM

Created:	11/9/2007	By:	NGC						
Updated:		By:							
Lease:	Central Vacuum Unit			**Well No.:**	342	**Field:**	Vacuum Grayburg San Andres		
Surface Location:	82' FNL 1186' FEL			**Unit Ltr:**	A	**Sec:**	36	**TSHP/Range:**	17S 34E
Bottomhole Location:				**Unit Ltr:**		**Sec:**		**TSHP/Range:**	
County:	Lea	**St:**	NM	**St Lease.**		**API:**	30-025-38002	**Cost Center:**	
Current Status:	Injector			**Elevation:**	3995 GR,DF,KB			**TEPI:**	
Directions to Wellsite:								**MVP:**	

Surface Csg.

Size:	11 3/4"
Wt	42#
Set @:	431'
Sxs cmt	385
Circ	yes
TOC.	
Hole Size:	14 3/4"

Intermediate Csg.

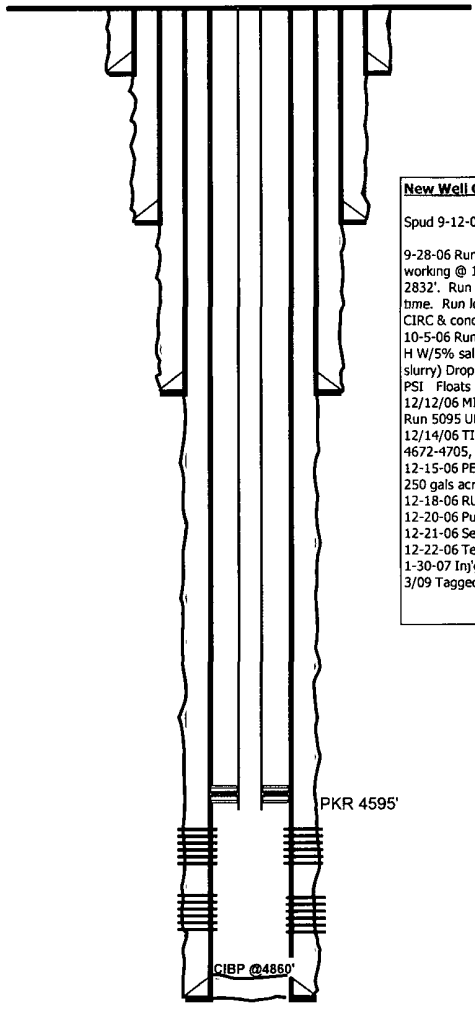
Size:	8 5/8"
Wt ·	24#
Set @·	2834'
Sxs Cmt	1200
Circ	no
TOC	
Hole Size	11"
DV Tool·	

Production Csg.

Size:	5 1/2"
Wt	15.5#
Set @	5200'
Sxs Cmt·	1295
Circ.	yes
TOC	
Hole Size	7 7/8"

Perforations:

4618-4660'
4672-4705'
4717-4742'
4770-4778'
Grayburg San Andres



TD 5,204 ft
PBTD 4,830 ft

KB Elev· 4,008
DF Elev· 4,007
GL Elev 3,995
Original Spud Date: 9/12/2006
Original Compl Date: 12/15/2006
KB: 4,008

New Well Completion:

Spud 9-12-06.

9-28-06 Run log #1 w/platform express/HRLA. TAG obstruction @2822' Tools quit working @ 1000'. TIH w/above tools Loggers TD @ 5207'. Loggers found CSG @ 2832'. Run log #2-sonic/FMI. Rung log #3-sonic Run log #4-logged as trouble time. Run log #5-MRIL FR 5200-4263' TAG obstruction @ 2763' & 2796'. TIH to CIRC & condition mud
10-5-06 Run CSG· FS, 2 JTS, FC, 117 JTS to 5200. Mix & pump 1295 SX 50/50 PQZ H W/5% salt, 2% gel, 1/4 PPS FLAKE 2 14 2 PPG Y-1 34. Mix H2)=6.3 (309 bbl slurry) Drop plug & displ w/121 bbls 2% KCL FW Dump plug fr 1600 PSI to 2050 PSI Floats holding Circ 299 sx to surf. Rig released @ 2330 hrs w/o completion.
12/12/06 MIRU TIH w/bit & tag @ 5095.
Run 5095 UP 300' TIH w/CIBP & set @ 4860. Dump 30' cmt on CIBP
12/14/06 TIH w/1st run to perf. TAG @ 4750. Drill to 4830 TAG @ 4847. PERF 4672-4705, 4717-4742, 4770-4778
12-15-06 PERF 4618-4660 TIH w/pkr to 4764 Pickle tbg w/500 gals 15% HCL. Spot 250 gals acr perfs POOH w/pkr to 4515. Set pkr. Pump 7000 gals 15% HCL
12-18-06 RU swab. Unset pkr
12-20-06 Pump 10# brine to kill well
12-21-06 Set pkr @4595.
12-22-06 Test csg to 525# for 30 mins OK
1-30-07 Inj'g 1043 BWPD @ 1400 PSI TBG-1408 Final report.
3/09 Tagged @ 4793' Tbg press 1750.