

NOV 16 2012

RECEIVED

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO. 30-025-25797
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name CENTRAL VACUUM UNIT
8. Well Number 108
9. OGRID Number 4323
10. Pool name or Wildcat VACUUM G/B SAN ANDRES

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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)	
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other INJECTOR	
2. Name of Operator CHEVRON U.S.A INC.	
3. Address of Operator 15 SMITH ROAD, MIDLAND, TEXAS 79705	
4. Well Location	
Unit Letter <u>G</u> : <u>2630</u> feet from the <u>NORTH</u> line and <u>1480</u> feet from the <u>EAST</u> line	
Section <u>6</u> Township <u>18-S</u> Range <u>35-E</u> NMPM County <u>LEA</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3962' GL	

## 12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

## NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☒ PLUG AND ABANDON ☐  
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
 PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
 DOWNHOLE COMMINGLE ☐

OTHER: ☐

## SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
 COMMENCE DRILLING OPNS ☐ P AND A ☐  
 CASING/CEMENT JOB ☐

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 IS A TA'D WELL THAT CVX IS GOING TO RIG UP ON TO ATTEMPT TO GET INJECTION BACK INTO THIS WELL.

**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

*Res. Spec*

DATE

*11-15-12*

Type or print name

*DENISE PINKERTON*

E-mail address:

PHONE:

*432-689-1375*

For State Use Only

APPROVED BY:

*[Signature]*

TITLE

*DISTRICT*

DATE

*11-19-2012*

Conditions of Approval (if any):

NOV 19 2012

**Well:** Central Vacuum Unit # 108  
**Field:** Vacuum Grayburg San Andres  
**API No.:** 30-025-25797  
**Lea County, New Mexico**

**Description of work:** Release packer, 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.

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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/ 3 7/8" gauge ring to 4,700'. If clear, continue to step 9. If cannot get down, RIH with a 3-7/8" MTB on the end of 2-3/8" work string, making a cleanout run to 4,757'.
10. Get on depth with Dresser Atlas' GR-Compensated Neutron log dated 6-15-79 (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 4411-22', 4428-43', 4449-56', 4500-10', 4514-22', 4526-30', 4574-82', 4598-4604' and 4644-52'.
11. POOH with Stimgun. Rig down wireline truck.
12. PU 4-1/2" treating packer on 2-3/8" L80 workstring. Test tubing to 5,000 psi below slips while RIH.
13. Set packer at 4,234'. Prepare to acid stimulate.
14. Acidize San Andres perfs from 4,320 – 4,732' with 16,000 gal 15% HCL. Pump acid in 4 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 5-6 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.
15. Shut-in for 2 hours to allow acid to spend.
16. Flow or swab load back.
17. Release packer. Kill well as necessary. POH and laydown packer, and work string.
18. 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.
19. Set packer at 4,235' (Upper most setting depth is 4,220').
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.

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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 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)

# Wellbore Diagram

## CVU 108

Created	?	By	?
Updated	07/14/08	By	JSS
Lease	Central Vacuum Unit		
Field	Central Vacuum Unit		
Surf. Loc.	2630' FNL, 1480' FEL		
Bot. Loc			
County	Lea	St.	NM
Status	TA'd Injection Well		

Well #	108	St Lse	B-1306
API	30-025-25797		
Unit Ltr.	G	Section	6
TSHR/Rng	S-18 E-35		
Unit Ltr.	Section.		
TSHR/Rng			
CHEVNO	EP9942		
Directions	Buckeye, NM		

<b>Surface Csg.</b>	
Size	13 3/8"
Wt	48# K-55
Set @	355'
Sxs cmt	400
Circ	Yes
TOC	surface
Hole Size	17 1/2

<b>Intermediate Csg.</b>	
Size	9 5/8"
Wt.	32# K-55
Set @	1520'
Sxs Cmt	800
Circ.	Yes
TOC	surface
Hole Size	12 1/4

<b>Intermediate Csg.</b>	
Size	7"
Wt.	23# K-55
Set @	2721'
Sxs Cmt	650
Circ	yes
TOC	surface
Hole Size	8 3/4

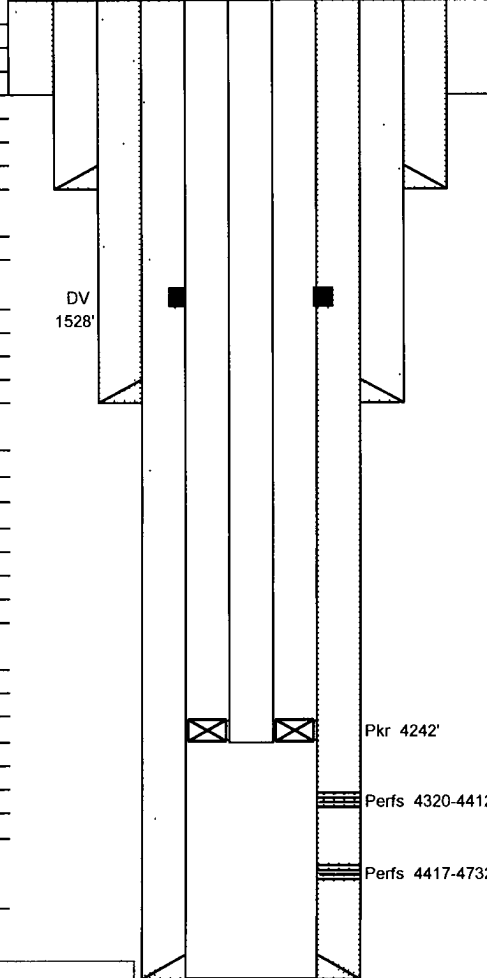
<b>Production Csg.</b>	
Size	4 1/2"
Wt.	10 5# K-55
Set @	4800'
Sxs Cmt	800
Circ	yes
TOC	surface
Hole Size	6 1/8

### Tubing and Packer Detail:

2 3/8" 4 7# 146 jts @ 4242'.

### Perf Details

1979: 4417-18, 30-31, 35-36, 46-47, 50-51, 64-65, 69-70, 79-80, 89-90, 4501-02, 08-09, 16-17, 21-22, 28-29, 34-35, 42-43, 51-52, 56-57, 75-76, 78-79, 81-82, 4599-4600, 4603-04, 17-18, 20-21, 46-47, 51-52, 97-98, 4701-02, 13-14, 18-19, 26-27, 32-33  
1992: 4320-21, 28-29, 34-35, 46-47, 50-53, 61-65, 70-73, 76-77, 80-81, 84-85, 88-89, 92-93, 96-97, 4404-05, 08-09, 12-13



KB	3974'
DF	NA
GL	3962'
Inr Spud:	5/25/1979
Inr. Comp :	6/21/1979

### Perf. and Stimulation History:

#### CVU 108

6/21/79 Initial completion perfs w/2 JSPF From 4417-4732' Acidize w/ 11000 gals 15% acid Present injection. 15 BWIPD @ 1360 psi S I WIW  
 2/12/80 Install BOP Pressure to 1000# ok Acidize w/3500 gals 20% NEA using 90# BS. Max. press =2800#/1000#, ISIP=1600#, 15 minutes SIP=700#, AIR=4 bpm. unseat pkr pulled WS Frac'd perfs 4417-4732' w/52, 000 gals 30# x-link gel w/108,000# 10/20 & 20/40 sand in 4 stages as follows: start 1000 gals mini- max II pad, 3000 gals 1# PPG 20/40 sand followed by 3000 gals 2# PPG 20/40 sand & 3000 gals 3# 20/40 sand followed by 3000 gals 3# PPG 10/20 sand dropped 150# WB-1 & 150# salt  
 2/14/80 Ran injection lbg. & pkr. @ 4350'. load annulus w/inhibitor wtr start injecting 600 BVVPD @ Vac return to injection  
 10/6/92 Clean out scale 4567-4757' with reverse unit Perf. from 4320, 28, 34, 46, 50, 53, 61, 65, 70, 73, 76, 80, 84, 88, 92, 96, 4404, 08, 12' 38 holes TIH w/pkr. Acidize w/13300 gals 20% acid 332 BS Max pressure=2670, Avg.=2400#, Air=3 8 bpm  
 6/30/09 MIT Repair. RIH with new tubing

PBTD: 4757'  
 TD: 4800'