

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 87401
District IV - (505) 476-3460
1220 S St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised August 1, 2011

HOBBBS OED
NOV 16 2012

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

WELL API NO. 30-025-25819
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 61
9. OGRID Number 4323
10. Pool name or Wildcat VACUUM G/B SAN ANDRES

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)	
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 A : 1310 feet from the NORTH line and 1230 feet from the EAST line Section 31 Township 17-S Range 35-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:

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.

CVX IS GOING TO RIG UP ON THIS WELL TO IMPROVE THE **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 Palkerton

TITLE

Reg. Spec.

DATE

11-15-12

Type or print name
For State Use Only

Denise Palkerton

E-mail address:

PHONE

432-687-375

APPROVED BY:

[Signature]

TITLE

Dist. Mgr.

DATE

11-19-2012

Conditions of Approval (if any):

NOV 19 2012

Well: Central Vacuum Unit # 61
Field: Vacuum Grayburg San Andres
API No.: 30-025-25819
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. ND wellhead. NU 5,000 psi BOP with 2-3/8" pipe rams over blinds with hydrill on top.
3. If well is not dead, RU WL & perf tubing above packer & 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.
4. POH with Baker AD-1 packer and 2-3/8" Duolined injection tubing and laydown both.

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5. Rig up wireline truck. Test lubricator on cat walk to 500 psi. NU Lubricator. Run in hole w/ 3 7/8" gauge ring to 4,500'. Get on depth with Western Wireline Services Compensated Neutron dated 2/20/78 (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 4350-90', 4430-60'.
6. POOH with Stimgun. Rig down wireline truck.
7. Change out BOP rams to 2-7/8". RIH with 1 joint of tubing and 4-1/2" packer. Set packer. Test BOP to 250 psi low / 500 psi high.
8. PU 4-1/2" treating packer & RBP (tubing retrieve) on 2-7/8" L80 workstring. Test tubing to 5,000 psi below slips while RIH.
9. Set RBP at 4,500'. Set packer at 4,250'. Prepare to acid stimulate.
10. Acidize San Andres perfs from 4,350 – 4,460' with 10,000 gal 15% HCL. Pump acid in 4 equal stages and block with 5,000lbs rock salt/stage as a diverting agent. Adjust salt volumes as necessary based on pressure response. 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 4,686'. Monitor casing pressure for communication around packer.
11. Shut-in for 2 hours to allow acid to spend.
12. Flow or swab load back.
13. Release packer. Kill well as necessary. RIH to release RBP. POH and laydown packer, RBP, and work string.
14. Change out BOP rams to 2-3/8". RIH with 1 joint of tubing and 4-1/2" packer. Set packer. Test BOP to 250 psi low / 500 psi high.
15. Hydro-test and RIH with new 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.
16. Set packer at 4,270' (Upper most setting depth is 4,252').
17. Unlatch tubing from packer and circulate packer fluid.
18. Latch tubing back on to packer.
19. Pressure backside to 500 psi and hold for 30 minutes (pre-MIT).
20. Bleed off pressure. ND BOP. NU wellhead. Pressure tubing to pump out plug.
21. Install chart recorder. Pressure backside to 500 psi for 32 minutes to satisfy requirements for an official MIT. Send chart to Denise Pinkerton (Chevron Regulatory) in Midland Office.
22. Rig down pulling unit.
23. Write work order to re-connect the injection line.
24. File C-103 subsequent report with MIT chart attached (Denise Pinkerton - Chevron Regulatory).

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25. Place well on injection.

RRW 9/24/2012

Contacts:

Remedial Engineer – Larry Birkelbach
Production Engineer – Ryan Warmke
Baker Hughes Rep – Doug Lunsford
ALCR – Danny Acosta
D&C Ops Manager – Boyd Schaneman
D&C Supt. – Heath Lynch
OS – Nick Moschetti

(432-687-7650 / Cell: 432-208-4772)
(432-687-7452 / Cell: 281-460-9143)
(432-570-1050 / Cell: 432-559-0396)
(Cell: 575-631-9033)
(432-687-7402 / Cell: 432-238-3667)
(432-687-7857 / Cell: 281-685-6188)
(Cell: 432-631-0646)

**CURRENT
WELLBORE DIAGRAM**

Created: 4/13/2005 By: MTR
 Updated: 7/31/2007 By: HLH
 Updated: 4/13/2009 By: Cayce
 Lease: Central Vacuum Unit
 Surface Location: 1310' FNL & 1230' FEL
 Bottomhole Location: Same
 County: Lea St: NM
 Current Status: Active Injector
 Directions to Wellsite: Buckeye, New Mexico

Well No.: 61
 Unit Ltr: A
 Unit Ltr:
 St Lease:
 Elevation: 3975' GR
 Cost Center:

Field: Vacuum Grayburg
 Sec: 31 TSHP/Range: 17S-35E
 Sec: TSHP/Range:
 API: 30-025-25819
 TEPI: UCT493000
 MVP: BCT494500

Surface Casing

Size: 8 5/8"
 Wt.: 24# K-55 STC
 Set @: 397'
 Sxs cmt: 425
 Circ: Yes
 TOC: Surface
 Hole Size: 12-1/4"

Production Casing

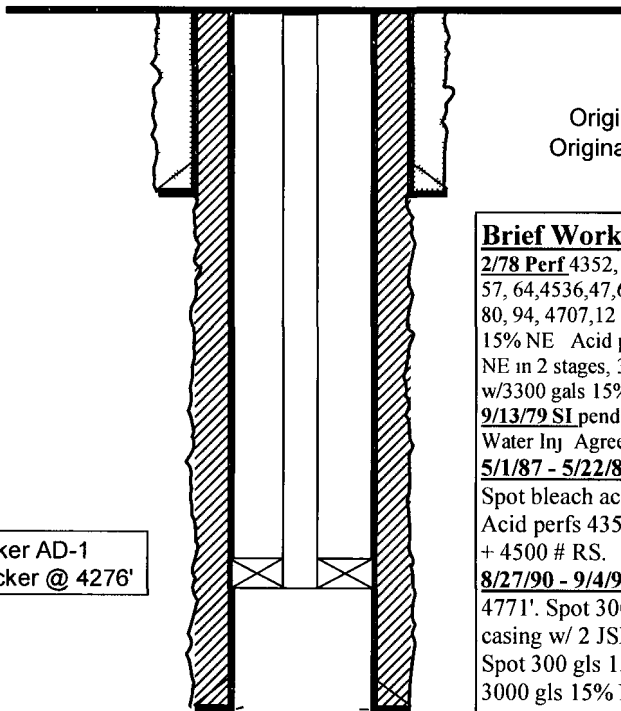
Size: 4.5"
 Wt.: 10.5# K-55 STC
 Set @: 4800'
 Sxs Cmt: 2200
 Circ: Yes
 TOC: Surface
 Hole Size: 7-7/8"

Tubing size 138 jts 2-3/8 duolined
 Tubing depth 4276'

Perfs: 4352-4712'

Perfs 4352, 65, 69, 78, 83, 85, 89, 94,
 4431, 41, 51, 57, 64, 79
 4535, 36, 47, 50, 60, 69,
 4602, 14, 16, 20, 25, 34, 38, 42, 47, 49,
 4657, 59, 67, 72, 76, 80, 84, 90, 94,
 4700, 07, 12,

Baker AD-1
 packer @ 4276'



KB: 3987'
 DF:
 GL: 3975'
 Original Spud Date: 2/5/1978
 Original Compl. Date: 2/27/1978

Brief Workover History

2/78 Perf 4352, 65, 69, 83, 89, 94, 4431, 41, 51, 57, 64, 4536, 47, 60, 69, 4602, 16, 25, 38, 47, 59, 72, 80, 94, 4707, 12 Acid perfs 4602-4712' w/1470 gals 15% NE Acid perfs 4536-4712' w/3250 gals 15% NE in 2 stages, 300# RS Acidize perfs 4352-4464 w/3300 gals 15%
9/13/79 SI pending negotiation of a Coop. Line Water Inj Agreement
5/1/87 - 5/22/87: Stimulation: C/O to 4771'. Spot bleach across perfs. Set pkr @ 4288'. Acid perfs 4352-4712 w/ 9000 gls 20% NEFE + 4500 # RS.
8/27/90 - 9/4/90: Add perfs and Acid: C/O to 4771'. Spot 300 gls Perborate. Perf 4 1/2" casing w/ 2 JSPF @ 4378-4700' (32 holes). Spot 300 gls 15% HCl, 300 gls 4% Perborate, 3000 gls 15% NEFE, 3000# RS, 86 - 1.3 sg ball sealers in 3 stages.
4/22/96 - 4/24/96: Stimulation: C/O f/ 4277' to 4771'. Acid perfs 4352-4712' w/ 5000 gls 20% HCl. TIH w/ 4 1/2" AD-1 inj pkr, 138 joints duolined tbg. set pkr @ 4276'.
4/05: CT & SH, Tag 4510', spot 5bbl acid, spot 1000 gal acid, AC 3790 gals, 15% 4352-4510'
 3/09 Top valve tagged, did not open

PBTD: 4771'
 TD: 4800'