

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

Form C-103

Revised August 1, 2011

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.)		WELL API NO. 30-025-25726
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other INJECTOR		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator CHEVRON U.S.A INC.		6. State Oil & Gas Lease No.
3. Address of Operator 15 SMITH ROAD, MIDLAND, TEXAS 79705		7. Lease Name or Unit Agreement Name CENTRAL VACUUM UNIT
4. Well Location Unit Letter <u>E</u> : <u>2630</u> feet from the <u>NORTH</u> line and <u>1310</u> feet from the <u>WEST</u> line Section <u>36</u> Township <u>17-S</u> Range <u>34-E</u> NMPM County <u>LEA</u>		8. Well Number <u>70</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4,006' (GL)		9. OGRID Number <u>4323</u>
		10. Pool name or Wildcat VACUUM G/B SAN ANDRES

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: MIT REPAIR

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 WELL IS CURRENTLY SI FOR A MIT FAILURE. THIS WELL WAS RIGGED UP ON AND A CASING LEAK WAS DISCOVERED AND MULTIPLE ATTEMPTS TO SQUEEZE THE LEAK WERE UNSUCCESSFUL.

CVX WILL BE RIGGING UP ON THE WELL TO CEMENT IN A LINER FROM ~4,270' TO SURFACE. INJECTION EQUIPMENT WILL THEN BE RUN WITH THE PACKER AT ~4,260', THE WELL WILL BE MIT TESTED, & RTI.

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.

SEE 2 Conditions of Approval

**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 REGULATORY SPECIALIST

DATE 08/08/2014

Type or print name DENISE PINKERTON

E-mail address: leakejd@chevron.com

PHONE: 432-687-7375

For State Use Only

APPROVED BY:

Malay Brown

TITLE

Dist. Supervisor

DATE

8/11/2014

Conditions of Approval (if any):

AUG 11 2014

**CURRENT
WELLBORE DIAGRAM**

Created: 6/21/2005 By: MTR
Updated: 8/1/2007 By: HLH
Updated: 9/3/2008 By: BOHI
Updated: 9/9/2008 By: CAYN
Lease: Central Vacuum Unit
Surface Location: 2630 FNL & 1310 FWL
Bottomhole Location:
County: Lea St: NM
Current Status: Active Injector
Directions to Wellsite: Buckeye, New Mexico

Well No.: 70 WIW
Unit Ltr: E
Unit Ltr:
St Lease: B-1551
Elevation: 4006' GR

Field: Vacuum
Sec: 36 TSHP/Range: 17S-34E
Sec: TSHP/Range:
API: 30-025-25726 Cost Center:
CHVNO: EP8896 TEPI:
MVP:

Surface Csg.

Size: 9 5/8"
Wt.: 40#, N-80
Set @: 397'
450 Sx 2%
Sxs cmt: CaCl
Circ: Yes
TOC: Surf
Hole Size: 12 1/4"

Production Csg.

Size: 4 1/2
Wt.: 10.5 K-55
Set @: 4800'
2000 Sx LW
Cement Details: cmt 15# Salt Lead
200 Sx "C" 8#
salt Tail
Circ: Yes
TOC: surf
Hole Size: 7-7/8"

KB: 4018 ft
DF: 4017
GL: 4006 ft
Kelly Bushing: 0

Original Spud Date: 1/20/1978
Original Compl. Date: 2/12/1978

Well & Failure History
2/9/1978: Perf & Acid: Perf @ 2 spf 4380'-4710'; 4380', 90', 4408', 19', 31', 55', 68', 4502', 43', 58', 66', 4607', 18', 28', 30', 4652', 60', 70', 83', 98', 4710'. Acid with 2400 gls 15% NE HCL.
4-24-87: Cleaned & Acid: Cleaned to 4768' with bit. Acid w/ 9,000 gls 20% gelled NEFE & 3100# rock salt. before 862/865# After 1700/750#
6-11/14-96: Cleaned, Add perfs, & Acid: Tagged @ 4321' and cleaned to 4676'. Perf with 3-1/8" gun, 0.34" holes, 2 spf, 180 deg phase at 4385', 4411', 15', 72', 4540', 4652', 64', 78'. Acid w/ 5,000 gls 20% NEFE HCL & 3000# rock salt. Ran Csg inspection Log
1999: last profile 4600-4750' exit
7-7-05: Tagged @ 4306'
6-6/29-07: Clean out & Acidize: CO to 4782' acid w/ 9000 gals 15%, run csg log fr 4272-surface
9/8/08 Tag @ 4396'. Set down @ pkr. Fell thru.

TUBING LANDING DETAILS

#	Size	Footage	Depth
1	Kelly Bushing	12.00	12.00
3	2-3/8" subs	17.75	29.75
135	JTS 2 3/8" Fiberline	4239.32	4269.07
1	O/F tool w/ profile (1.50")	1.43	4270.50
1	4 1/2" ArrowSet 1X NP pkr w/ P/O plug	6.96	4277.46

Pkr set @ 4277'

ZONES

Top	Top Depth, ft	Interval	Net
GB Marker	4,140		
GB Dol Top	4,260	50	
GB Dol Bott	4,310	30	
San Andres	4,340	160	60
LSA	4,500	220	160
O/W	4,720		
TOTAL		460	220
Gross / Net Ratio		47.8%	
Total perforated		29	13.2%

T. Perf.
Perfs
4380'-4710'

Perforation detail:
2/9/1978: 4380'-4710'. 4380' 90', 4408', 19', 31', 55', 68', 4502', 43', 58', 66', 4607', 18', 28', 30', 4652', 60', 70', 83', 98', 4710' (2 spf)
6/15/96: Add perfs: Perf with 3-1/8" gun, 0.34" holes, 2 spf, 180 deg phase at 4385', 4411', 15', 72', 4540', 4652', 64', 78'.

PBTD: 4782'
TD: 4800'

C.O.A.

SEE CIBP + CMT +/- 50'
OF TOP PERF. (4380')

SET END OF LINER NO GREATER
THAN 75' ABOVE T. PERF.

THIS WILL ALLOW PACKER TO BE
SET WITHIN 100' OF T. PERF.

CVU 70 WIW.xls

6/23/2014

IF PACKER IS SET
GREATER THAN 100' ABOVE T. PERF
SANTA FE APPROVAL REQUIRED PRIOR TO COMMENCING INJECTION.

Well: Central Vacuum Unit # 70
Field: Vacuum Grayburg San Andres
API No.: 30-025-25726
Lea County, New Mexico

Description of work: TOH with RBP. Run and cement 3-1/2" liner. TIH with new 2-1/16" injection tubing and 3-1/2" 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. Conduct route survey with FMT.
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.

Current Wellbore Conditions:

1. 4-1/2" RBP set at 500'.
2. 4-1/2" CBP set at 4270' with 10' of cement on top.
3. NO tubing in the well.

Special Tools Needed:

1. Crossover from 4-1/2" EUE packer to 3-1/2" ULT-FJ casing

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Procedure:

1. MIRU pulling unit and associated surface equipment.
2. Check wellhead pressure to ensure well is dead.
3. ND wellhead. NU 5,000 psi BOP with 2-3/8" pipe rams over blinds.
4. MIUL and strap 2-3/8" 4.7# L-80 8RD EUE work string.
5. PU 4-1/2" packer on 1 joint of 2-3/8" tubing. TIH & set packer at ~25'. Test BOP to 250 psi low / 500 psi high. TOH & lay down packer.
6. TIH with retrieving tool on 2-3/8" tubing and retrieve RBP at 500'.
7. Order out 3 1/2" 9.2# L80 ULT-FJ handling equipment (elevators, slips, lift nubbins), and have proof of current inspections for all load bearing equipment. Ensure that casing technician is on hand, and alert him that we may need a flush joint crossover for the cement job. Have liner cleaned, drifted, and inspected prior to running. (Kendricks Inspection 432 559 9325).
8. Change from 2-3/8" pipe rams to 3-1/2" pipe rams.
9. Caliper & inspect elevators and lifting equipment.
10. PU 4-1/2" packer and crossover on 1 joint of 3-1/2" casing. TIH & set packer at ~25'.
Test BOP to 250 psi low / 500 psi high. TOH & lay down packer.
11. PU and RIH with 3 1/2" L-80 9.2# ULT-FJ liner as follows: 3 1/2" ULT-FJ Float Shoe, 3 jts or 120' of 3 1/2" 9.2# L80 ULT-FJ casing, 3 1/2" ULT-FJ Float Collar, 3 1/2" 9.2# ULT-FJ L-80 liner to surface. Tag CBP/cement at 4260' lightly with casing string. Pick up 2' and space out with pup joints as necessary.

**Ensure that Float shoe is welded on or bucked on & thread locked at machine shop. Use thread lock compound on shoe track connections.
12. Land 3 1/2" liner on slips in existing tubing head. Cut off casing as per QCI directions.
Nipple up 7 1/16" X 3 1/2" B-5 Adapter flange with 3 1/2" female seals on bottom, 3 1/2" EUE Box up. (Contact Ward at QCI for B-5 Adapter flange. 432-425-8473)
13. MIRU up cementers. Nipple up 3 1/2" Plug dropping head.
14. Circulate 1.5 x casing capacity (57 bbls).
15. Install 3 1/2" liner wiper plug in head.
16. Pump 150 sacks (100% excess) Class "C" cement w/ 0.3% Halad 322 (fluid loss) and 0.3% CFR-3 (dispersant) down the liner and up the 3 1/2" X 4-1/2" annulus. Drop wiper plug with +/- 10 sx cement left in tub. Displace wiper plug with remaining cement and fresh water. Bump plug with +/- 2,000 psi. DO NOT Overdisplace. Record any cement volume circulated.
17. WOC per cementer's recommendations. ND cement head and 3 1/2" flange.
18. NU tubing head flange with secondary seals and test void per VETCO recommendation.

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19. NU 5M hydraulic BOP as follows: 2-1/16" pipe rams over blind rams. Close blinds and test liner to 1,500 psi.
20. PU 1 jt 2-1/16" 3.25# L80 C.S. Hydril tubing. Test pipe rams to 250/1500 psi for 5 mins. LD test joint.
21. TIH w/ 2-3/4" bit & 12 x 2-3/8" DC's on 2-1/16" L-80 C.S. Hydril 3.25# workstring, tag up on Float collar.
22. Cleanout shoe track cement & CBP. C/O to PBTD @ 4,782'.
23. TOH and LD bit. Lay down workstring.
24. PU new 3-1/2" IPC Nickel plated / IPC AS1-X injection packer w/ 1.25" 'F' profile nipple, on/off tool, & pump out plug & TIH on new 2-1/16" 3.25# L-80 Hunting TSHP (CS Hydril) SR TK-99 tubing. Set packer +/-10' above the end of liner per production engineer.
25. Load tubing & equalize pressure @ on/off tool. Unlatch from on/off tool, circulate packer fluid to surface, and latch onto on/off tool.
26. 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.
27. Notify OCD w/ 24 hrs of intent to run official MIT.
28. If pre-MIT test is good, bleed off backside pressure & ND BOP.
29. NU wellhead, blow pump off plug.
30. RDMO pulling unit.
31. Perform and chart final MIT to 550 psi for 30 min. Submit C103 report with original MIT chart attached.
32. Write work order to re-connect the injection line.
33. Hand over to production for return to injection.

RRW 4/7/2014
EMA 6/5/2014
EMA 6/18/2014
EMA 6/20/2014

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)