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
OCT 26 2011
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. 30-025-26001

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 INJECTION

8. Well Number 141

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 M: 10 feet from the SOUTH line and 1310 feet from the WEST line
Section 36 Township 17-S Range 34-E 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 ☐			
OTHER: REPAIR MIT		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.

THE SUBJECT WELL FAILED AN ANNULUS MIT & MUST BE REPAIRED.

PLEASE FIND ATTACHED, THE INTENDED PROCEDURE, WELLBORE DIAGRAM, & C144CLEZ INFO.

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: 10-25-2011

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

APPROVED BY: TITLE DATE 11-9-2011

Condition of Approval: the operator shall give 24 hour notice to the appropriate District office before work begins

Condition of Approval: *Notify OCD Hobbs office 24 hours prior to running MIT Test & Chart.*

Per Underground Injection Control Program Manual II 6 c. Packer shall be set within or less then 100 feet of the uppermost injection perfs or open hole.

NOV 09 2011

CVU 141 – MIT Failure C02 Injector

API No. 30-025-26001

Vacuum (Grayburg-San Andres) Field

Lea County, NM

Workover Procedure

Rigless

1. Notify OCD w/ 24 hrs of intent to perform well work.
2. Notify Field Specialist to SI well 2 weeks prior to beginning workover. Rig up to backflow if pressure does not fall below 500 psi within the 1st week. Ensure that well has been injecting H20 for 2+ weeks & that production LOTO @ header.

   Note: Production recently placed the well back on C02 injection due to regulatory & C02 volume issues in other parts of the field.
3. Record tubing and casing pressures for kill weight fluid calculations.
4. Rig up slick line truck with lubricator. RIH w/ 1.5" blanking plug and set in "F" profile nipple at 4262'. Pressure up on tubing to 1500 psi to make sure plug is holding. Bleed pressure off. RD slick line unit. Monitor casing pressure and attempt to determine if there is a casing, packer, or tubing leak.

With Rig

1. Rig up pulling unit.
2. Check tubing and casing pressures and ensure that tubing and casing is dead. Bleed pressure from surface valves if necessary & monitor throughout well work.
3. ND wellhead.
4. NU 5M hydraulic BOP with 2-3/8" pipe rams over blind rams.
5. Test casing to 550 psi for 30 minutes. If casing losses are greater than or equal to 10% of applied pressure, notify remedial engineer as a squeeze may be necessary. Have an RBP on location in the event that a leak interval needs isolated. Attempt to determine if there is pressure communication between tubing and casing.
6. Unlatch tubing from on-off tool.
   a. If casing x tubing annulus held 550 psi for 30 minutes, do not pull packer.

b. If casing x tubing annulus did not hold 550 psi for 30 minutes, circulate hole with kill weight fluid, re-engage on/off tool, retrieve blanking plug, & release packer.

7. Scan out 2 joints of 2-3/8" 4.7# J55 fiberline injection tubing. PU test joint & set 4-1/2" 10.5# packer @ 30'. Test pipe rams to 250 / 750 psi for 5 minutes. LD test joint and packer.

8. Release packer and TOH *scanning* 2-3/8" 4.7# J-55 8 RD EUE fiberline injection tubing. Yellow and blue joints ok to re-run. Note tubing condition and counts in WellView. Ensure that a fiberline technician is on location during the TOH to inspect pins & boxes of fiberlined tubing.

   Note: There is 300' (10 joints) of 2-3/8" fiberglass tailpipe below the packer. If the packer was released, pull the injection tubing slowly to prevent damaging the fiberglass tail pipe as is it pulled past a known section of bad casing f/ 4420' – 4776'

9. PU 3-7/8"" MT bit & 6 x 3-1/8" DC's & make clean out run to top of fish @ 4650'. Note the known bad casing interval f/ 4420' – 4776'.

10. TOH LD C/O assembly.

11. If casing did not test, PU 4-1/2" 10.5# RBP & packer on 2-3/8" L-80 workstring. TIH, set RBP @ +/- 4255'. Set packer @ 4230' & test RBP to 500 psi (Ensure that RBP set depth is not below injection packer setting depth of 4262'). Isolate leak interval and notify remedial engineer w/ injection rate, injection pressure, and pressure bleed off response. TIH & retrieve RBP - Re-set RBP ~200 ft below leak interval and squeeze leak per design. Drill out cmt if required. TIH w/ packer & RBP retrieving tool. Set packer +/- 25' above the leak and test squeeze to 550 psi for 30 mins. Retrieve RBP & TOH. LD RBP, packer, & work string.

12. TIH w/ 10 joints 2-3/8" fiberglass tailpipe, 4-1/2" nickel plated IPC Arrowset packer with 1.5 'F' profile nipple and on-off tool on 2-3/8" J-55 fiberline tubing. Set packer at +/- 4255'. Ensure that profile nipple type and size are accurately captured in Wellview.

    Note: Do not set packer below previous injection packer set depth @ 4262'. Ensure that a fiberline hand is on location to aid running the fiberline tubing.

13. Rig up slick line truck. RIH w/ 1.5" 'F' blanking plug and set in profile nipple. Pressure test tubing to 2,000 psi to make sure plug is holding. TOH w/ wireline.

14. Unlatch on/off tool & circulate packer fluid around the backside. Re-latch on/off tool.

15. Perform pre-MIT test by applying 550 psi to casing for 30 minutes. Isolate reverse pump during pre-MIT test and use a chart recorder to record pressure response.

    Notify OCD w/ 24 hr intent to perform MIT test.

16. RU slickline truck and retrieve blanking plug.

17. Confirm well is dead & ND BOP.
18. NU wellhead.
19. Rig down pulling unit.
20. Perform MIT – Load backside and pressure up on casing to 550 psi for 30 minutes. Submit C-103 Subsequent Report with original MIT chart attached.
21. Hand over to production.

Remedial Engineer – Nate Brummert 713-409-6170
Production Engineer – Paul Brown 432-687-7351 / 432-238-8755
ALCR – Carlos Valenzuela 575-390-9615
Peak Packers – Sam Prieto 575-631-7704
Drilling Supt – Heath Lynch – 281 685 6188
OS – Nick M. – 432 631 0646

PTB 4/13/11
NCB 8/15/2011

CURRENT WELLBORE DIAGRAM

CVU 141

Created:	4/12/2004	By: SMG							
Updated:	6/27/2005	By: Glen Anderson							
Updated:	1/13/2009	By: PTBP							
Updated:		By: Cayce							
Lease:	Central Vacuum Unit	**Well No.:**	141		**Field:**	Vacuum Grayburg San Andres			
Surface Location:	10' FSL & 1310' FWL	**Unit Ltr:**	M	**Sec:**	36	**TSHP/Range:**	17S-34E		
Bottomhole Location:	Same	**Unit Ltr:**		**Sec:**		**TSHP/Range:**			
County:	Lea **St:** NM	**St Lease:**	B-155-1	**API:**	30-025-26001	**Cost Centers:**			
Current Status:	Active Water Injection Well	**Elevation:**	3991' GR			TEPI.	BCT493000		
Directions to Wellsite:	Buckeye, New Mexico					MVP:	BCT494500		

Surface Csg.

Size:	13 3/8"
Wt.:	54 5#, K-55
Set @:	361'
Sxs cmt:	400
Circ:	Yes
TOC:	Surface
Hole Size:	17 1/2"

Intermediate Csg.

Size:	9 5/8"
Wt.:	32.3#, H-40
Set @:	1416'
Sxs Cmt:	800
Circ:	Yes
TOC:	Surface
Hole Size:	12 1/4"

Intermediate Csg.

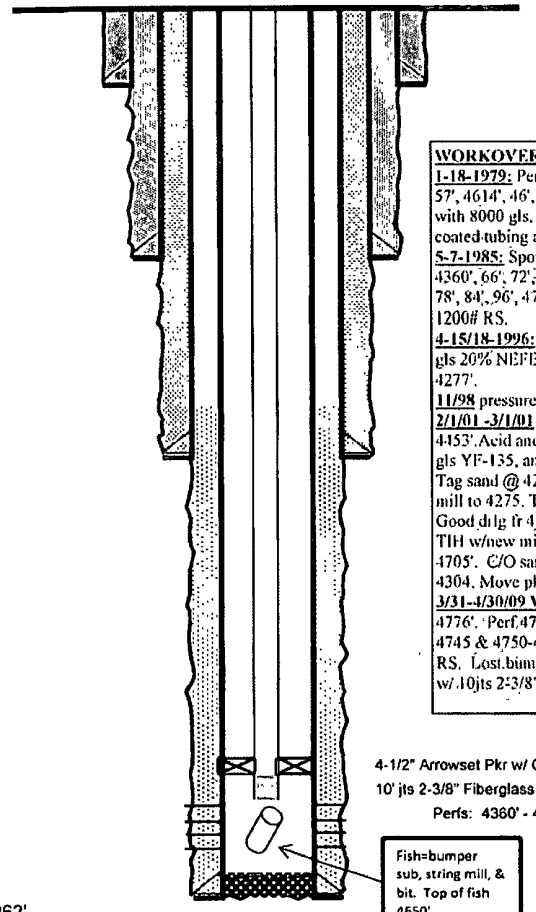
Size	7"
Wt.:	23#, K-55
Set @:	2765'
Sxs Cmt:	650
Circ:	Yes
TOC:	Surface
Hole Size:	8 3/4"

Production Csg.

Size:	4 1/2"
Wt.:	10.5#, J-55
Set @:	4800'
Sxs Cmt.	750
Circ:	No
TOC:	2200' - Temp Svy
Hole Size:	6 1/8"

Tubing detail: 135 jts 2-3/8" Fiberlined tbg 4262'

Perf details
4360', 66', 72',
4448', 52',
4526', 34', 40', 46', 57',
4616', 46', 50', 65', 70', 78', 84', 96',
4700', 08', 14', 20', 24', 39-45, 50-58'.



PBTD: 4776'
TD: 4800'

KB: 12'
DF: 4003'
GL: 3991'
Spud Date: 11/30/1978
Completion Date: 1/18/1979

WORKOVER HISTORY

1-18-1979: Perf with 2 jspf 4360', 66', 72', 4448', 52', 4526', 34', 40', 46', 57', 4614', 46', 50', 65', 70', 78', 84', 96', 4700', 08', 14', 20', 4724'. Acid with 8000 gls, 1400# RS, and 500# benzoic acid flakes. Ran 2 3/8" plastic coated tubing and packer set at 4287'.

5-7-1985: Spot 1/2 DR leach mixed in 10 bbls. Add perfs with 2 jspf: 4360', 66', 72', 4448', 52', 4526', 34', 40', 46', 57', 4616', 46', 50', 65', 70', 78', 84', 96', 4700', 08', 14', 20', 24'. Acid with 9000 gls 15% NEFE and 1200# RS.

4-15/18-1996: Tagged fill at 4552'. Cleaned out to 4776'. Acid with 5000 gls 20% NEFE HCL. Ran 139 joints 2 3/8" duolined tubing. Set packer at 4277'.

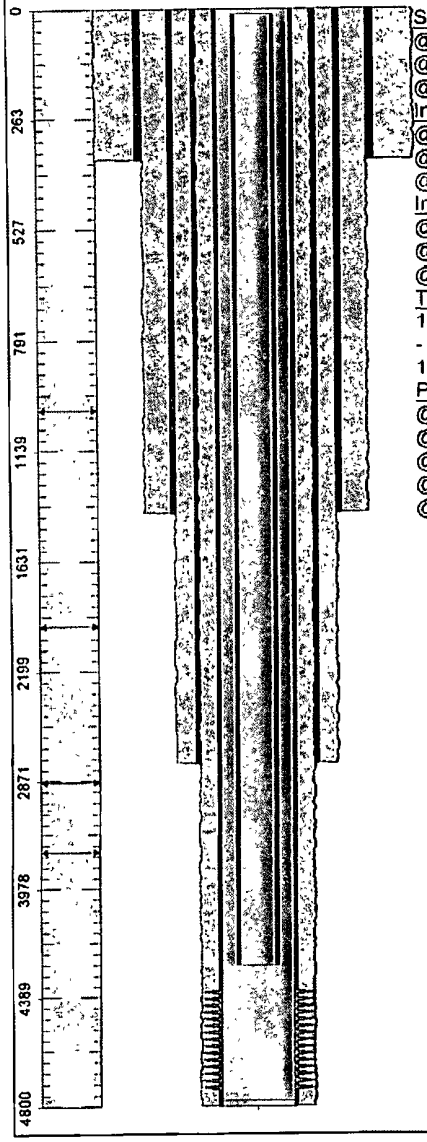
11/98 pressure increase to 2000 psig water, 1850 CO2

2/1/01 -3/1/01 Clean out to 4776' Pump 1100# 20/40 sand to block up to 4453'. Acid and frac perfs fr 4360-4453 with 2000 gls NEFE HCL, 33,000 gls YF-135, and 58,000#/20/40 Brady sand. TIH w/cone buster mill, DC's. Tag sand @ 4298. Break circ. C/O to 4430. Lost circ. C/O to 4498. Pull mill to 4275. TAG bad casing @ 4440'. Drill on bad csg 4440-4520'. Good drlg fr 4520-4675'. Drill on bad csg 4675-4699. Pull mill to 4275'. TIH w/new mill & tag @ 4698'. Break circ w/130 bbls. Drill bad csg to 4705'. C/O sand to TD @ 4776'. Stop mill @ 3990. Attempt to set pkr @ 4304. Move pkr to 4272. Attempt to test. No success.

3/31-4/30/09 Workover. Add perfs. Drilled out bad csg from 4420-4776'. Perf 4739-4745, 4750-4758'. Pump 1500 gals of 15% from 4739-4745 & 4750-4758. Pmp 5000 gals 15% HCL acid in 3 stages w/5000# RS. Lost bumper sub, string mill, and bit in hole. Top of fish 4650'. TIH w/ 10jts 2-3/8" fiberglass tbg. EOT @ 4560.63'

Chevron U.S.A. Inc. Wellbore Diagram : CVU 141

[Lease] OVC VACUUM [Well No.] CVU 141 VGSA 141 [Field] FLD-VACUUM
[Location] 10FSL1310FWL [Sec.] N/A [Blk] _____ [Survey] N/A
[County] Lea [St.] New Mexico [Refno] EQ2609 [API] 3002526001 [Cost Center] BCT491800
[Section] 36 [Township] 017 S [Range] 034 E
[Current Status] ACTIVE [Dead Man Anchors Test Date] NONE
[Directions] _____



Surface Casing (Top-Bottom Depth) Desc
@(0-361) K-55 13.375 OD/ 54.50# Round Short 12.615 ID 12.459 Drift - N/A
@(0-361) Wellbore Hole OD-17.5000
@(0-361) Cement
Intermediate Casing (Top-Bottom Depth) Desc
@(0-1416) Cement
@(0-1416) H-40 9.625 OD/ 32.30# Round Short 9.001 ID 8.845 Drift - N/A
@(361-1416) Wellbore Hole OD-12.2500
Intermediate Casing 2 (Top-Bottom Depth) Desc
@(1416-2765) Wellbore Hole OD- 8.7500
@(0-2765) Cement
@(0-2765) K-55 7.000 OD/ 23.00# Round Short 6.366 ID 6.241 Drift - N/A
Tubing String Quantity (Top-Bottom Depth) Desc
131 @(13-4268) J-55 2.375 OD/ 4.60# T&C External Upset 1.995 ID 1.901 Drift - Duoline
1 @(4268-4273) 2-3/8" X 4-1/2" Hudson Loc-Set w/ 1.431 PN
Production Casing (Top-Bottom Depth) Desc
@(4360-4724) Perforations (Active)
@(4776-4776) Plug Back Total Depth
@(0-4800) Cement
@(0-4800) J-55 4.500 OD/ 10.50# Round Short 4.052 ID 3.927 Drift - N/A
@(0-4800) Wellbore Hole OD- 6.1250 - N/A

[Ground Elevation (MSL):] 3992.00 [Spud Date] 11/30/1978 [Compl. Date] 01/18/1979
[Well Depth Datum:] CSI0000N [Elevation (MSL):] 0.00 [Correction Factor] 13 00
[Last Updated by] hillbj [Date] 02/04/2008
[null] null [null] null