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

HOBBS OCD
OIL CONSERVATION DIVISION
OCT 13 2011
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised August 1, 2011

WELL API NO. 30-025-26790

5. Indicate Type of Lease STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
RECEIVED
(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 146

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 G: 2465 feet from the NORTH line and 1335 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:				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: INTENT TO 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.

CHEVRON INTENDS TO REPAIR THE SUBJECT WELL DUE TO MIT FAILURE..

PLEASE FIND ATTACHED, THE INTENDED PROCEDURE, WELLBORE DIAGRAM, & C-144CLEZ 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: 10-12-2011

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

APPROVED BY: TITLE DATE 10-14-2011

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.*

OCT 18 2011

CVU 146 – MIT Failure C02 Injector

API No. 30-025-26790

Vacuum (Grayburg-San Andres) Field

Lea County, NM

Workover Procedure

Rigless

1. Notify NMOCD (575-393-6161) 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.
3. Record tubing and casing pressures for kill weight fluid calculations.
4. Rig up slick line truck with lubricator. Test lubricator to 1000 psi. RIH w/ 1.5" blanking plug and set in profile nipple at 4219' (*Note: Wellfile does not indicate whether profile is a "R" or "F" type – a gauge ring run may be necessary*). Pressure up on tubing to 1500 psi to make sure plug is holding. Monitor tubing x casing annulus while testing tubing / blanking plug to ensure high pressure is not applied to the casing if there is a tubing leak. Bleed pressure off of tubing and RDMO slickline unit.
5. RU pump truck & test casing against injection packer to 550 psi for 30 minutes. Attempt to establish if there is a tubing, packer, or casing leak. Notify remedial engineer of the suspected leak mechanism (this will determine whether or not the packer will be pulled) and if pressure losses are greater than or equal to 10% of applied pressure. Have an RBP and packer on location when the rig arrives to isolate a potential casing leak.

With Rig

6. Rig up pulling unit.
7. Check tubing and casing pressures and ensure that tubing and casing is dead. Bleed pressure from surface valves if necessary & monitor throughout well work.
8. ND wellhead.
9. NU 5M hydraulic BOP with 2-3/8" pipe rams over blind rams & 3M hydraulic annular.
10. Unlatch tubing from on-off tool.
    a. *If casing x tubing annulus held 550 psi for 30 minutes (from step 5), DO NOT PULL PKR.* If the casing x tubing annulus held 550 psi for 30 minutes, only the tubing string & on/off tool will be replaced.

b. *If casing x tubing annulus did NOT hold 550 psi for 30 minutes (from step 5), circulate hole with kill weight fluid, re-engage on/off tool, RIH w/ slickline & retrieve blanking plug, & release packer.*

11. Caliper elevators & ensure correct size. Visually inspect elevators for proper operation. Ensure that elevators in use have been inspected within the past year per API 8B recommendations.

12. Scan out 1 joint 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 / 550 psi for 5 minutes. LD test joint and packer.

13. Con't TOH *scanning* 2-3/8" 4.7# J55 8RD 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.

14. PU 3-7/8" MT bit & 6 x 3-1/8" DC's on 2-3/8" L-80 work string & make clean out run to PBTD @ 4702'. (Note: if packer was not pulled, no C/O run will be made)

15. TOH LD C/O assembly.

16. If casing did not test (from step 5), PU 4-1/2" 10.5# RBP & packer on 2-3/8" L-80 workstring. TIH, set RBP @ +/- 4200'. Set packer @ +/- 4185' & test RBP to 1000 psi (Ensure that RBP set depth is not below injection packer setting depth of 4219'). 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, dump 20' sand on RBP, and squeeze leak per design.

17. TIH with 4-1/2" nickel plated IPC Arrowset packer with 1.5" 'F' profile nipple and on-off tool, and pump out plug on 2-3/8" 4.7# 8RD EUE J-55 fiberline tubing (Drift = 1.600"). Set packer at +/- 4215' (Ensure that packer is not set below old packer set depth of 4219' OR above the top of the unit boundary of 3874' per the NMOCD). Ensure that profile nipple type and size are accurately captured in Wellview and that a fiberline hand is on location to aid running the fiberline tubing.

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

19. 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.

20. Confirm well is dead & ND BOP.

21. NU wellhead.

22. Blow pump out plug

23. Rig down pulling unit.

24. 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.

25. 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

Sunset Plugging – 432 664 767

PTB 8/29/11
NCB 9/21/2011

CVU #146 Wellbore Diagram

Created:	02/10/06	By:	C. A. Irle	Well #:	146	St. Lse:	857943
Updated:	08/07/07	By:	HLH	API		30-025-26790	
Updated:	04/18/11	By:	PTB				
Lease:	Central Vacuum Unit			Unit Ltr.:	G	Section:	31
Field:	Vacuum (Grayburg-San Andres)			TSHP/Rng:		S-17 E-35	
Surf. Loc.:	2,465' FNL & 1,335' FWL			Unit Ltr.:		Section:	
Bot. Loc.:	FNL FEL			TSHP/Rng:			
County:	Lea	St.:	NM	Directions:		Buckeye, NM	
Status:	Active Injection Well					CHEVNO--FJ3020	

Surface Casing

Size:	13 3/8"
Wt., Grd.:	48#
Depth:	357'
Sxs Cmt:	500
Circulate:	Yes
TOC:	Surface
Hole Size:	17 1/2"

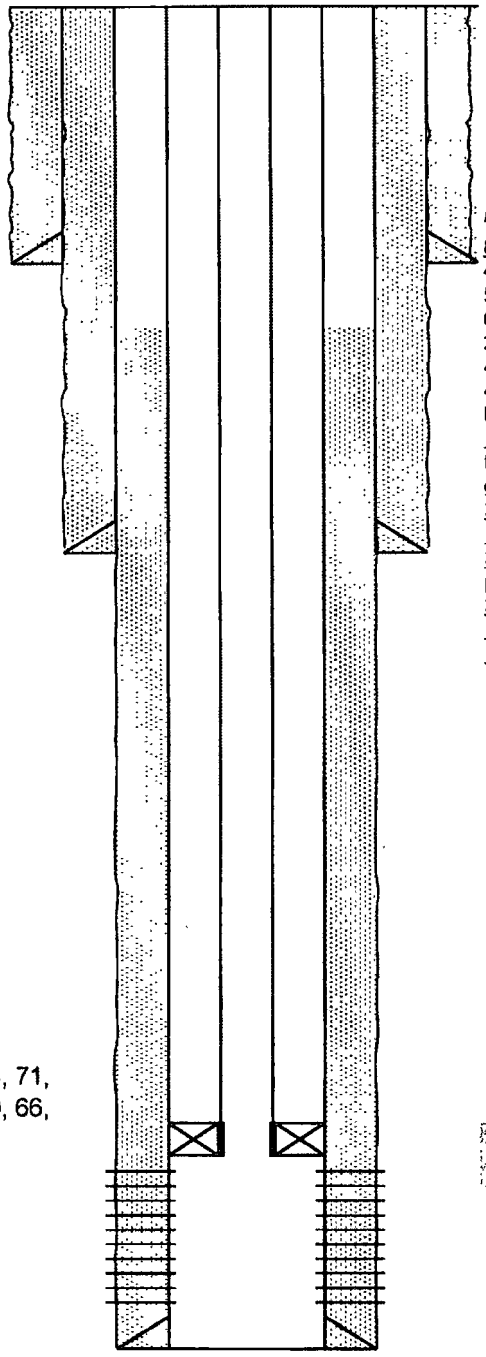
Intermediate Casing

Size:	8 5/8"
Wt., Grd.:	24#
Depth:	1,540'
Sxs Cmt:	1,200
Circulate:	Yes
TOC:	Surface
Hole Size:	12 1/4"

Production Casing

Size:	4 1/2"
Wt., Grd.:	10.5#
Depth:	4,800'
Sxs Cmt:	2,600
Circulate.	No
TOC:	1,000' TS
Hole Size:	7 7/8"

Perf details
4346, 50, 60, 74, 77, 80, 95,
4409, 28, 36, 45, 56, 64,
4532, 42, 45, 48, 51, 54, 57, 61, 64, 71,
4615, 22, 33, 35, 41, 44, 48, 51, 60, 66,
4670, 74, 83



PBTD: 4702'
TD: 4,800

KB: 3985'
DF:
GL: 3975'
Ini. Spud: 07/14/80
Ini. Comp.: 08/05/80

History

8/5/80 Ini Comp: Perf 4346, 50, 60, 74, 77, 80, 95, 4409, 28, 36, 45, 56, 64, 4532, 42, 45, 48, 51, 54, 57, 61, 64, 71, 4615, 22, 33, 35, 41, 44, 48, 51, 60, 66, 70, 74, 4683, RBP 4728, pkr 4603, acid 2600 gls 15% NEFE 25 balls, RBP 4603, pkr 4511, acid 2000 gls 15% NEFE 15 balls, RBP 4511, pkr 4296m acid 3900 gls 15% NEFE 25 balls, pkr 4280.
12/14/01 Stim: Tag 4255, CO 4795, RBP 4214, test csg, replace well head, pkr 4190, acid 6000 gls 15% NEFE, tag 4735, CO 4795, pkr 4226.
3/10/04 Tbg/Pkr Leak: Replace 1 joint.
1/06: Failed MIT
3/15/06 CTCO Tag 4278, CO 4792, acid wash perfs 924 gls 15%.
3/07. test csg, replace tbg, pkr
1/08 MIT failure. Replace on-off tool overshot
10-23-08 Tagged @4387'

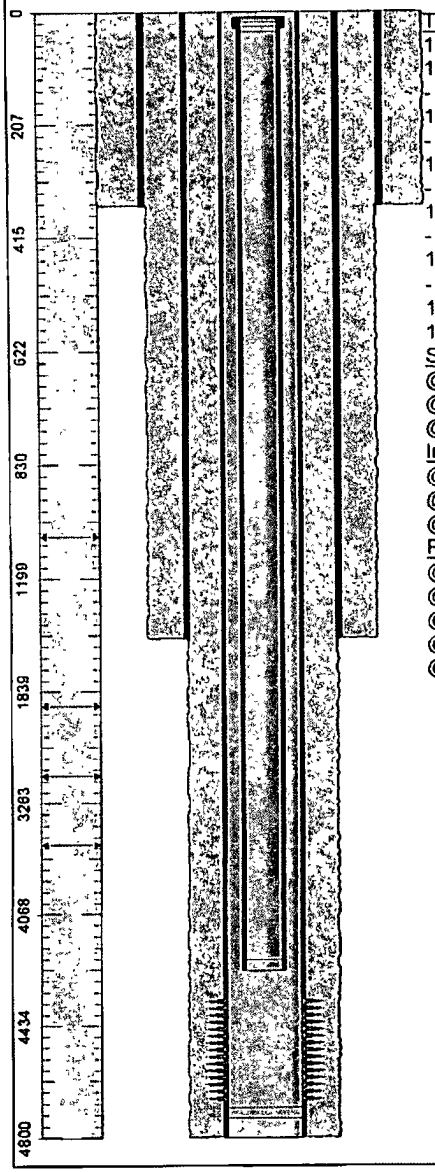
2-3/8" Fiberline Tubing (132 jts.)

4-1/2" Arrowset Pkr w/ on-off tool @ 4219'-4,227'
1.50" Profile Nipple

Perfs: 4346' - 4683'

Chevron U.S.A. Inc. Wellbore Diagram : CVU 146

[Lease] OVC VACUUM [Well No.] CVU 146 VGSA 146 [Field] FLD-VACUUM
[Location] 2465FNL1335FWL [Sec.] N/A [Blk] _____ [Survey] N/A
[County] Lea [St.] New Mexico [Refno] FJ3020 [API] 3002526790 [Cost Center] BCT494500
[Section] 31 [Township] 017 S [Range] 035 E
[Current Status] ACTIVE [Dead Man Anchors Test Date] NONE
[Directions] _____



Tubing String Quantity (Top-Bottom Depth) Desc
1 @(10-11) Crossover Nipple
1 @(11-15) J-55 2.375 OD/ 4.70# T&C External Upset 1.995 ID 1.901 Drift - Nickel Plated
1 @(15-19) J-55 2.375 OD/ 4.70# T&C External Upset 1.995 ID 1.901 Drift - Fiberglass Lined
1 @(19-27) J-55 2 375 OD/ 4.70# T&C External Upset 1.995 ID 1.901 Drift - Fiberglass Lined
1 @(27-37) J-55 2.375 OD/ 4.70# T&C External Upset 1.995 ID 1.901 Drift - Fiberglass Lined
132 @(37-4218) J-55 2.375 OD/ 4.70# T&C External Upset 1.995 ID 1.901 Drift - Fiberglass Lined
1 @(4218-4219) On-Off Tool (Tubing) 2.375" OD
1 @(4218-4226) 2-3/8" X 4-1/2" Arrowset packer w/ 1.5 PN

Surface Casing (Top-Bottom Depth) Desc
@(0-357) Cement
@(0-357) J-55 13.375 OD/ 48.00# Round Short 12.715 ID 12.559 Drift
@(0-357) Wellbore Hole OD-17.5000

Intermediate Casing (Top-Bottom Depth) Desc
@(0-1540) J-55 8.625 OD/ 24.00# Round Short 8.097 ID 7.972 Drift - N/A
@(357-1540) Wellbore Hole OD-12.2500
@(0-1540) Cement

Production Casing (Top-Bottom Depth) Desc
@(4346-4683) Perforations (Active)
@(4702-4702) 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
@(1540-4800) Wellbore Hole OD- 7.8750 - N/A

[Ground Elevation (MSL):] 3975.00 [Spud Date] 07/14/1980 [Compl. Date] 08/05/1980
[Well Depth Datum:] CSI0000N [Elevation (MSL):] 0.00 [Correction Factor] 10.00
[Last Updated by] hillbj [Date] 01/28/2008
[null] null [null] null