

Submit 3 Copies To Appropriate District
Office
District I
1625 N French Dr , Hobbs, NM 88240
District II
1301 W Grand Ave , Artesia, NM 88210
District III
1000 Rio Brazos Rd , Aztec, NM 87410
District IV
1220 S. St Francis Dr , Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

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

| |
|---|
| WELL API NO. 30-025-06886 ✓ |
| 5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> |
| 6. State Oil & Gas Lease No. |
| 7. Lease Name or Unit Agreement Name CENTRAL DRINKARD UNIT ✓ |
| 8. Well Number 164 |
| 9. OGRID Number 4323 ✓ |
| 10. Pool name or Wildcat DRINKARD |

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 ☐ Gas Well ☐ Other Injection

2. Name of Operator
CHEVRON U.S.A. INC.

3. Address of Operator
15 SMITH ROAD, MIDLAND, TEXAS 79705

4. Well Location
Unit Letter M:660 feet from the SOUTH line and 660 feet from the WEST line
Section 29 Township 21-S Range 37-E NMPM County LEA

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3472'

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____

Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

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 ☐

SUBSEQUENT REPORT OF:

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

OTHER: INTENT TO REPAIR CSG LEAK & RTRN TO INJ

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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

CHEVRON U.S.A. INC. INTENDS TO ENTER THE SUBJECT WELL IN AN ATTEMPT TO REPAIR THE CAUSE OF A FAILED MECHANICAL INTEGRITY TEST. THE INTENDED PROCEDURE & WELLBORE DIAGRAM IS ATTACHED FOR YOUR APPROVAL.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Denise Pinkerton TITLE Regulatory Specialist DATE 01-09-2008

Type or print name Denise Pinkerton E-mail address: leakejd@chevron.com Telephone No. 432-687-7375
For State Use Only

APPROVED BY: Chie Williams **OCD DISTRICT SUPERVISOR/GENERAL MANAGER**
Conditions of Approval (if any): TITLE DATE

MAR 18 2008

RECEIVED

JAN 14 2008

HOBBS OCD

CDU #164

10/22/2007

Drinkard Injection Well

T21S, R37E, Section 29

660' FSL & 660' FWL

Job: Repair Casing Leak and return to Injection

Procedure:

1. *This procedure is based on the most recent information regarding wellbore configuration and equipment that could be found in the Midland Office well files and computer databases as of 10/22/2007. Verify what is in the hole with the well file in the Eunice Field office. Discuss w/ WEO Engineer, Workover Rep, OS, ALS, and FS prior to rigging up on well regarding any hazards or unknown issues pertaining to the well.*
2. MI & RU workover unit. Remove WH. Install BOP's and test as required. Release 5-1/2" Baker Model "R" pkr @ 6416'. POH and LD 2-3/8" Duoline tubing and pkr. Send in 2-3/8" tubing for inspection.
3. PU and GIH with 4 3/4" MT bit on 2-7/8" work string to PBTD of 6614', using air unit if necessary. Circulate well clean from 6614', if possible. POH with work string and bit. LD bit.
5. PU and GIH w/ 5-1/2" RBP and packer on 2-7/8" work string to 6400'. Set RBP @ 6400'. PU and set pkr at approximately 6350' and pressure test RBP to 1000#. Release pkr. PU and set pkr at approximately 4500'. Test csg using chart recorder.
6. Pressure test casing from 4500' to 6400' to 500 psi. Pressure test casing from surface to 4500' to 500 psi.
7. Utilize RBP and pkr and isolate casing leak. PUH and set RBP approximately 200' below csg leak. Pump down tbg and spot 20' sand on top of RBP. PUH and set pkr 300' above csg leak. Establish injection rate into csg leak. Monitor annulus for communication while pumping and during sqz job. Depending on injection rate and pressure, may run CICR instead of pkr.
8. RU DS Services cementing equipment. Cement squeeze casing leak using Class C cement mixed to 14.8 PPG w/ 1.32 CFY. Attempt to achieve at least 1000 psi squeeze pressure. Release pkr. Reverse out excess cement. Reset pkr and pressure tbg and csg to 500 psi. RD and release DS Services cementing equipment. Shut well in and WOC overnight.
9. Open well. Bleed off pressure. POH with 2-7/8" work string and sqz packer. LD pkr.
10. PU and GIH with 4-3/4" MT bit on 2-7/8" work string to top of cement in csg. Lower down and drill out cement. Reverse circulate well clean using 8.6 PPG cut brine water. Pressure test casing to 500 psi. If csg leaks, repeat cmt sqz procedure. LD and cleanout csg to top of RBP. Reverse circulate well clean from top of RBP using 8.6 PPG cut brine water. POH with 2-7/8"

work string and bit. LD bit. GIH with retrieving head and engage RBP. POH with work string and RBP. LD work string and RBP.

11. TIH w/ new 5-1/2" injection packer with on-off tool w/ profile nipple, on 2-3/8" J-55 EUE TK-15 IPC tbg to 6400'. Set injection pkr at approximately 6400'.
12. Chart backside for NMOCD. Start injecting and report rate and pressure.

Engineer – Richard Jenkins

432-687-7120 Office

432-631-3281 Cell

WELL DATA SHEET

FIELD: Drinkard

LOC: 660' FSL, 660' FWL

TOWNSHIP: 21S

RANGE: 37E

Unit Letter: M

WELL NAME: Central Drinkard Unit # 164

SEC: 29

COUNTY: Lea

STATE: NM

GL: 3472'

KB to GL: '

DF to GL:

FORMATION: Drinkard

CURRENT STATUS: IJ

API NO. 30-025-06886

Chevno: FA7983

Spud 1-9-48

| | |
|-----------------------------|---------------------|
| Date Completed: 2-48 | Initial. Production |
| Initial Formation. Drinkard | 135 BOPD |
| FROM: 6575' TO 6620' | 127 BWPD |

Completion data:

2-48

perf 6575-6620 w/ 6 SPF, acidize perms w/ 2000gal 15% HCL, Flwd 60 BOPD, acidize w/ 4000gal 15% HCL, Flwd 135 BOPD & 127 BWPD

Subsequent Workover or Reconditioning:

(3-48) plug back to 6610' w/ 27gal of plastic, after flwd 70 BOPD & 65 BWPD

(2-49) sqz'd 6575-6620 w/ 35 sx, DO cmt to 6567', perf 6530-6565 w/ 6-3/8" SPF (210 holes), acid w/ 2000gal 15% HCL, max P 1800#, AIR 1.4 BPM, flwd 285 BOPD, 0 BWPD in 24 hrs (9-61) set CIBP @ 6000' w/ 5 sx on top, perf 5144-50 w/ 12-1/2" holes, acid perms w/ 500gal mud acid, max P 3100# @ 2 BPM, swab dry, frac w/ 15000gal ref oil & 15000# sand, max P 3400# @ 21.1 BPM, install pmp equip, paddock pump 33 BOPD, 100 BWPD, GOR 200. Before in Drk flwd 2 BOPD, 102 BWPD, GOR 10250.

(5-65) sqz 5144-50 w/ 100 sx, tst'd sqz to 1800# - OK, perf 5990-92 w/ 4-3/8" & sqz w/ 100 sx, did not hold, re-sqz w/ 100 sx, tst'd to 1500# - OK, perf 5573-5875 w/ 46-3/8" holes (2 SPF), acid w/ 2000gal w/ 60 RCNB's, max P 3700# @ 5.18 BPM, frac w/ 20000gal ref oil & 20000# sand & 44 RCNB's in 4 stages, max P 6500# @ 14.5 BPM, flwd 62 BOPD, 6 BWPD, GOR 5460

(11-72) sqz perms 5573-5875

(11-72) C/O to 6614', perf 6565-85 & 6590-6610, acid old & new w/ 6000gal 15% NE HCL, max P 2700# @ 4 BPM, inj began 1-6-73, PBD 6614'

(5-74) acid w/ 2000gal 15% HCL & frac w/ 6000gal gel BW & 20000gal w/ 1 to 2# SPG, resume inj

(9-79) lost logging tools in hole while surveying, replaced tbg & return to inj, 400 BWPD @ 1125#

(6-80) scale trt w/ 1000gal 15% NEFE dbl inhib HCL, before 95 BPD, after 395 BPD

(6-84) ck for cs leaks, none found, C/O fill & return to inj @ 475 BWPD

(1-85) locate csg lk @ 10-65', perf 5-1/8" @ 2900' w/ 4-1/2" holes, spot 100gal 15% HCL over perms @ 2900', sqz w/ 200 sx cl 'C', TSITOC @ 2720' FS, perf @ 2490', could not pmp into, perf @ 2100' w/ 4-1/2" holes, sqz' w/ 230 sx cl 'C', circ 14 bbl slurry to pit, D/O & tst to 500# - OK

(9-85) repair csg lk @ 5573-5876, sqz w/ 65 sx, 2-3/8" IPC tbg w/ Baker model 'R' pkr set @ 6426'

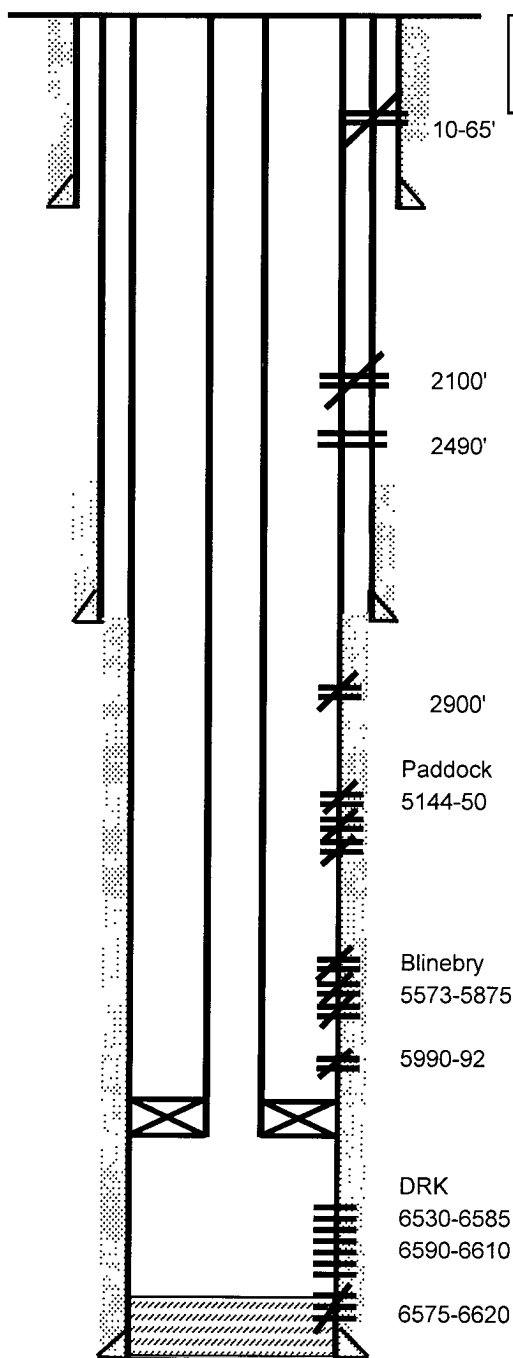
10/03- profile- slight channel up at 6520', minimal at 6500', 60 % -6530-50, 40% -6550-84, no flow below 6584

13-3/8" OD, 48# Gr H-40 8Rd
Set @ 315' w/ 300 sx
Cmt circ'd to surface

7-5/8" OD, 26.4# 8Rd J-55
csg set @ 2796'
w/ 1000 sx cmt
TOC @ 2720'

2 3/8" Duoline
Baker Model R @ 6416'
no profile

5-1/2" OD, 17#, Gr. J-55 8Rd
csg @ 6627' w/ 400 sks cmt
TOC @ 2769' by TS



PBTD: 6614'

TD @ 6628'

FILE: CDU164WB.XLS

Updated: JDW 2/2005