Submit 3 copies to Appropriate District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240
DISTRICT II
P.O. Box Drawer DD, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO. 30-025-25224

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 DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMI (FORM C-101) FOR SUCH PROPOSALS.

7. Lease Name or Unit Agreement Name: CENTRAL DRINKARD UNIT

1. Type of Well: OIL WELL ☐ GAS WELL ☐ OTHER

2. Name of Operator: CHEVRON USA INC

8. Well No. 413

3. Address of Operator: 15 SMITH RD, MIDLAND, TX 79705

9. Pool Name or Wildcat: DRINKARD

4. Well Location

Unit Letter B : 910 Feet From The NORTH Line and 1857 Feet From The EAST Line

Section 29 Township 21-S Range 37-E NMPM LEA COUNTY

10. Elevation (Show whether DF, RKB, RT,GR, etc.) 3472' GL

11. 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 OPERATION	☐	PLUG AND ABANDONMENT	☐
PULL OR ALTER CASING	☐			CASING TEST AND CEMENT JOB	☐		
OTHER: DEEPEN TO OIL ZONE & COMPLETE AS INJ	☑			OTHER:			☐

12. 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.

CHEVRON U.S.A. INC. INTENDS TO DEEPEN THIS TA'D WELL FROM THE DRINKARD GAS ZONE @ 6533' TO THE DRINKARD OIL ZONE @ 6655'. THE WELL WILL BE COMPLETED AS AN INJECTOR TO PROVIDE WATERFLOOD SUPPORT TO HORIZONTAL LATERALS IN CDU #412H, #106H, & #105H.

THE C-108 IS IN PROGRESS AT THIS TIME.

THE INTENDED PROCEDURE & CURRENT & PROPOSED WELLBORE DIAGRAMS ARE ATTACHED FOR YOUR APPROVAL.

"CONDITION FOR APPROVAL" *Approval for Drilling, CANNOT inject In the Drinkard without an Injection order approved by the Santa Fe OCD Office.*

Received
OCT 2006
Hobbs, NM

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 10/10/2006

TYPE OR PRINT NAME Denise Pinkerton Telephone No. 432-687-7375

(This space for State Use)

APPROVED Chris Williams TITLE OC DISTRICT SUPERVISOR/GENERAL MANAGER DATE OCT 23 2006

CONDITIONS OF APPROVAL, IF ANY:

DeSoto/Nichols 12-93 ver 1.0

9/5/2006

CDU #413

Job: Drill Deeper to Drinkard Oil Formation, CO2 Sand Fracture Stimulate, complete as injector

Procedure:

1. Obtain NMOCD Approval for deepening and injector status.
2. Lay injection line as needed.
3. Verify what is in the hole with the well file in Eunice NM office. Discuss w/ OS, ALR and pumper prior to RU regarding any unknown issues pertaining to this well.
4. MIRU PU and RU.
5. Install BOP. TOH w/ any tbg in the well.
6. Load and test csg to 500#. (if leaks, will tag CIBP, test and proceed to isolate csg leak)
7. Assuming no csg leak is found, TIH w/ 4 ¾" bit, DC's on 2 7/8" workstring to CIBP @6360'. Drill and clean out as needed to current PBTD 6522'. TOH.
8. TIH w/ 5 ½" packer on 2 7/8" workstring. Set packer ~6350'. Load and test backside to 500#.
9. Establish rate and pressure into Drinkard Gas Zone perforations 6420'-6463'. TOH.
10. TIH w/ 5 ½" cement retainer on 2 7/8" workstring. Set retainer ~ 6350'.
11. Cement squeeze w/ ~200 sacks or as rate and pressure information dictates. (DS recommendation.)
12. TIH w/ 4 ¾" bit, DC's on 2 7/8" workstring and drill out cement. Test cement squeeze and resqueeze as necessary.
13. Drill outo ~6545' using 4 ¾" mill tooth bit. TOH.
14. TIH w/ reconditioned 4 ¾" button bit to drill formation to new TD of ~6655'. Circulate well clean. TOH.
15. TIW/ 5 ½" packer on 2 7/8" workstring to ~6485'. Load and test backside to 500#. Check for communications between squeezed perfs and OH.
16. Hold 300# on backside. Acidize OH w/ 3000 gals 15% HCL. Max pressure 2500#, Max Rate ~ 2.5 BPM.
17. Swab back as possible. TOH w/ 27/8" workstring laying down.
18. TIH w/ 5 ½" packer on 3 ½" workstring. Hydrostatic test tubing to 8000 psi going in hole. Install frac head. Set packer ~6350'. Load backside with 2% KCL (use KCL) and pressure to 500#. Need to maintain pressure on the backside to insure squeezed Drinkard gas perforations are holding.
19. Rig up DS, CO2 services and Tracer-Tech Services (Mike Mathis (866- 595-3115). (Will run three different radioactive isotopes, 1st in pad, 2nd in 1-3 ppg, 3rd in 5 ppg.)
20. MIRU Rita Dickey for QC of frac fluids.
21. Fracture treat well with 30,900 gals WF150; 4000 gals WF 140, 60 tons CO2; 24,500# 20/40 Ottowa sand, 15,000# 20/40 resin coated sand as per DS procedure attached, tagging with three radioactive isotopes.
22. SI overnight for resin to cure.
23. Flow and swab back load.
24. TOH w/ 3 ½" workstring and packer.
25. TIH w/ 4 ¾" bit on 2 7/8" workstring. Tag for fill and clean out with air unit as needed. TOH.
26. MIRU wireline and run PRISM log/GR/Temp/CCL for radioactive isotope information. TOH.
27. TIH w/ new 5 1/2" injection packer on 2 3/8" injection tbg. Set injection packer ~ 6520'.
28. Start injecting. Report rate and pressure. Chart backside for NMOCD.

Denise Wann

WELL DATA SHEET

LEASE: Central Drinkard Unit
LOC: 910' F N L & 1857' F E L
TOWNSHIP: 21S
RANGE: 37E UNIT: B

WELL: 413
SEC: 29
ST: N.M.

FORM: DRINKARD
GL: 3472'
KB: 12'
DF: 11'

DATE: 1/2/2003
STATUS: TA'd Gas Well
API #: 30-025-25224
CHEVNO: EO8690

Date Completed: 4/22/1978
Initial Production: 6 BOPD, 15 BWPD, 55,000 GOR
Initial Formation: Drinkard Gas
FROM: from 6438' to 6463'

TA'd

8-5/8" OD
24# K-55
Set @ 1250' W/ 550 SX
Cmt circ.? Yes
11" hole

206 jts 2-3/8" EUE 4.7# J-55 tbg. EOT @ 6479'. Pmp on 100 gr D class B 3/4" sucker rods.

5-1/2" OD 15.5 #
K-55 CSG
Set @ 6533' W/ 800 SX
DV tool @ 1135'
Cmt circ.? Yes

12-6/02
Set CIBP @ 6360', Well TA'd

6420'-6422' Perf'd 2 1/2" JHPF

6438'
6463'
Perf'd Drinkard w/4 3/4" JH in plane

PBTD 6522'
TD: 6534'

Completion Data

4-15-76 1200 gals 15% NE HCL "slick" acid, 23,000 gals frac w/30,000 # sand.
Air - 20 BPM, ISIP = 1700 #

Subsequent Workover or Reconditioning:

4-7-82 2000 gals 20% NEFE HCL Acid @ 2 BPM. 6438'-6463'
4-15-82 Trt perfs 6420'-22' w/1000 gals 20% NEFE "Slick" HCL acdlz air 5.1 BPM ISIP = 1000 #
4-19-82 Frac 6420'-22' w/10,000 gals 8.6# Gel Brine & 10,625 # 20/40 sand in 1 stage. Air = 10 BPM ISIP = 1750#.
4-13-83 POH w/ 5-1/2" Bkr pkr & tbg. GIH w/1 2-3/8" MA, 1 perf sub, 1 SN, on 206 jts 2-3/8" J-55 tbg dn @ 6479'. GIH w/ pmp & sucker rods. Equip tp pmp.
9-30-85 Install plunger lift system. Tst 2 BO, 4 BW, 66 MCF Gas, after Tst pl lift sys., 6 BO, 4 BW, 88 MCF.
12-06-02 TIH w/5.5" CIBP to 6360', test csg to 570 PSI for 30 mins. Good test. Well TA'd.

Remarks:

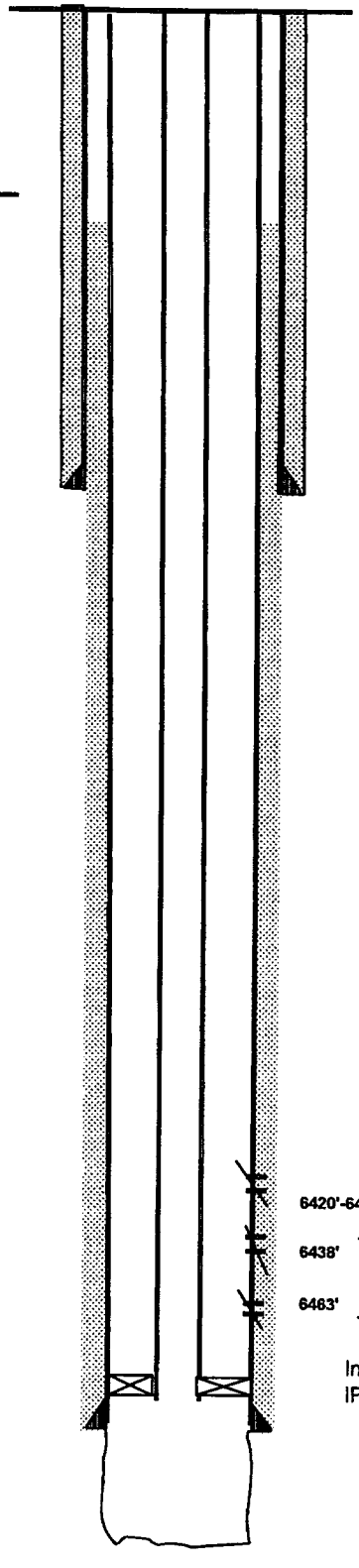
FILE: CDU_#413wbd.xls

printed: 9/12/2006

WELL DATA SHEET

LEASE:	Central Drinkard Unit	WELL	413	FORM:	DRINKARD	DATE:	1/2/2003
LOC:	910' F N L & 1857' F E L	SEC:	29	GL:	3472'	STATUS:	
TOWNSHIP:	21S	ST:	N.M.	KB:	12'	API #:	30-025-25224
RANGE:	37E UNIT: B			DF:	11'	CHEVNO:	EO8690

PROPOSED WBD FOR INJECTOR



8-5/8" OD
24# K-55
Set @ 1250' W/ 550 SX
Cmt circ.? Yes
11" hole

5-1/2" OD 15.5 #
K-55 CSG
Set @ 6533' W/ 800 SX
DV tool @ 1135'
Cmt circ.? Yes

6420'-6422' Perf'd 2 1/2" JHPF

6438' } Perf'd Drinkard
6463' } w/4 3/4" JH in plane

Injection Packer on 2 3/8"
IPC tbg set ~6520'

Date Completed:	4/22/1976
Initial Production:	6 BOPD, 15 BWPD, 55,000 GOR
Initial Formation:	Drinkard Gas
FROM:	from 6438' to 6463'

Completion Data

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