

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.	30-025-25184
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil / Gas Lease No.	
7. Lease Name or Unit Agreement Name	CENTRAL DRINKARD UNIT
8. Well No.	408
9. Pool Name or Wildcat	DRINKARD
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	3458' GE

**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 PERMIT (FORM C-101) FOR SUCH PROPOSALS.

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

2. Name of Operator  
CHEVRON USA INC

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

4. Well Location  
Unit Letter D : 972 Feet From The NORTH Line and 1305 Feet From The WEST Line  
Section 28 Township 21-S Range 37-E NMPM LEA COUNTY

11. 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 ☐  
OTHER: DEEPEN & CONVERT TO INJECTOR ☒

**SUBSEQUENT REPORT OF:**

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPERATION ☐ PLUG AND ABANDONMENT ☐  
CASING TEST AND CEMENT JOB ☐  
OTHER: ☐

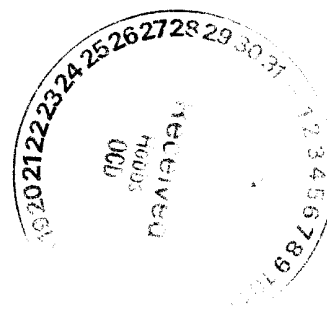
12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

CHEVRON U.S.A. INC. INTENDS TO DEEPEN THIS MARGINAL GAS WELL FROM THE DRINKARD GAS ZONE (6399'-6443') TO THE DRINKARD OIL ZONE (6519' -6642'). THIS WELL WILL BE COMPLETED AS AN INJECTOR TO PROVIDE WATERFLOOD SUPPORT TO HORIZONTAL LATERAL IN CDU #104H & VERTICAL WELL CDU #103.

A PIT WILL NOT BE USED FOR THIS DEEPENING.

THE INTENDED PROCEDURE AND CURRENT WELLBORE DIAGRAM ARE ATTACHED FOR YOUR APPROVAL.

WFX 826



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 3/2/2007

TYPE OR PRINT NAME Denise Pinkerton

Telephone No. 432-687-7375

(This space for State Use)

APPROVED Gayle W. Wink TITLE OC FIELD REPRESENTATIVE II/STAFF MANAGER  
CONDITIONS OF APPROVAL, IF ANY:

DATE

DeSoto/Nichols 12-93 ver 1.0

MAR 19 2007

1/24/2007

CDU #408

**Job: Deepen to Drinkard Oil Formation, Sand Fracture Stimulate, complete as injector**

**Procedure:**

1. Obtain NMOCD Approval for deepening and injector status. (DONE)
2. Lay injection line to well as needed.
3. Verify what is in the hole with the well file in Eunice NM office. Discuss w/ OS, ALR and pumpers prior to RU regarding any unknown issues pertaining to this well.
4. Contact vendors for availability of equipment and timing.
5. Kill well as needed.
6. MIRU PU and RU.
7. Install BOP. Test BOP, wellhead and 5 1/2" csg to 550#. (Verify MIT on chart)
8. TOH w/ 2 3/8" production tbg and packer, LD tbg and pkr.
9. TIH w/ 4 3/4" bit, DC's on 2 7/8" workstring. Drill and clean out as needed to current PBTD 6519'. TOH.
10. TIH w/ 5 1/2" packer on 2 7/8" workstring. Set packer ~6350'. Load and test backside to 500#.
11. Establish rate and pressure into Drinkard Gas Zone perforations 6399'-6443'. TOH.
12. TIH w/ 5 1/2" cement retainer on 2 7/8" workstring. Set retainer ~ 6350'.
13. Cement squeeze w/ ~200 sacks or as rate and pressure information dictates. (DS recommendation.)
14. TIH w/ 4 3/4" mill tooth bit, DC's on workstring and drill out cement. Test cement squeeze and resqueeze if necessary. Drill out float equip and 5'-10' of new formation w/ mill tooth bit. TOH.
15. TIH w/ 4 3/4" insert bit and 10 or more 3 1/2" DC's on 2 7/8" workstring. Continue to drill to new TD of ~6642'. Circulate well clean. (may need to utilize Air Unit.) TOH.
16. RU Wireline Services and run GR/CCL/CNL from ~5600'-6655' (*or minimum log footage which ever is greater.*) TOH.
17. TIH w/ 5 1/2" packer on 2 7/8" workstring. Set packer ~6480'. Hydrostatic test tubing to 5500# going in hole. 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.
18. Acidize OH w/ 3000 gals 15% HCL + 1500# Rock Salt as designed by DS. Swab back as possible. TOH w/ 2 7/8" workstring.
19. TIH w/ 4 3/4" bit on 2 7/8" workstring and clean out rock salt as needed. TOH.
20. TIH w/ 5 1/2" packer on 3 1/2" workstring. Hydrostatic test tubing to 8000 psi going in hole. Install frac head. Set packer ~6480'. 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.*
21. Rig up DS and fracture treat well with 5390 gals WF125; 27,000 gals WF 125T; 338,800# 20/40 Jordan sand as per DS procedure attached. Max Pressure 7500#, Max Rate 35 BPM.
22. SI overnight.
23. TOH w/ 3 1/2" workstring and packer, LD 3 1/2" WS.
24. TIH w/ 4 3/4" bit on 2 7/8" workstring. Tag for fill and clean out with air unit as needed. TOH.
25. TIH w/ new 5 1/2" injection packer on new 2 3/8" injection tbg. Set injection packer ~ 6480' if possible. (If squeeze Drinkard Gas perfs don't hold, set pkr above perfs. Will need to call NMOCD to get permission to set above the 100' min.)
26. Chart backside for NMOCD. Start injecting. Report rate and pressure.

# WELL DATA SHEET

FIELD: Drinkard  
LOC: 972' FNL & 1305' FWL  
TOWNSHIP: 21S  
RANGE: 37E

WELL NAME: Central Drinkard Unit # 408  
SEC: 28  
COUNTY: Lea  
STATE: NM  
GE: 3458'  
KB to GE: 11'  
DF to GL:

FORMATION: Drinkard  
CURRENT STATUS: Producing Gas Well  
API NO: 30-025-25184  
Chevno: EO7918

## Current Well Data

8-5/8" OD, 24#, Gr.K-55  
ST&C Csg. Set @ 1250'  
w/ 550 sx, TOC @ Surface  
Circ'd 50 sx to surface

DV Tool @ 1194'

Initial completion date: 2/12/76	Initial: Production Gas
Initial Formation: Drinkard	
FROM: TO:	

Spud: 1-2-76  
Rig Release: 1-16-76

## Completion data:

Formation Drinkard

2-76 Perf DRK zone in 5-1/2" csg, w/4, 1/2" JHPF @ 6399'-6401', 6422'-24', 6441'-43'. Acdz perms w/1800 gals 15% NEA. Frac perms dn tbg w/ 6000 gals GBW followed by 21,000 gals w/ 1-1/2 - 2 SPG in 3 equal stages.

2-3-76  
203 jts. 2-3/8" EUE 8 rt, 4.7# tbg  
Guiberson PKR @ 6345'  
EOT @ 6409'

5-1/2" OD, 15.5#, Gr. K-55, LT& C  
csg @ 6519' w/ 965 sks cmt  
TOC @ 1719' by calc 1st stage  
cmt circ on 2nd stage cmt. Surf  
FC @ 6507'

DRK Perfs 4, 1/2" JHPF  
6399'- 6401'  
6422'- 24'  
6441'- 43'

TD @ 6519'  
PBTD @ 6507'

FILE: CDU408.XLS  
chay revised 1-16-03

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 cmt circ on 2nd stage cmt. Surf  
 FC @ 6507'

DRK Perfs 4, 1/2" JHPF  
 6399'- 6401'  
 6422'- 24'  
 6441'- 43'

Open Hole 6519'-6642'

