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. 30-025-25222

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 INJECTOR

2 Name of Operator: CHEVRON USA INC

8. Well No. 411

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

9. Pool Name or Wildcat: DRINKARD

4. Well Location

Unit Letter B : 939 Feet From The NORTH Line and 1655 Feet From The EAST Line

Section 28 Township 21-S Range 37-E NMPM LEA COUNTY

10. Elevation (Show whether DF, RKB, RT,GR, etc.) 3448' 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, CONVERT TO INJECTOR		☑	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 SQZ DRINKARD GAS PERFS, DEEPEN TO THE DRINKARD OIL ZONE @ 6655', AND CONVERT TO INJECTOR.
THIS WILL PROVIDE WATERFLOOD SUPPORT TO THE CDU #434 (NEW DRILL), CDU #112H, & THE CDU #101.

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

JUN 2007 Received Hobbs OCD

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 6/21/2007

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

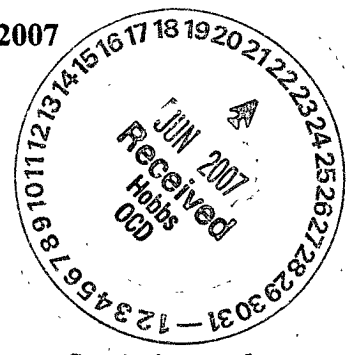
(This space for State Use)

APPROVED Gary W. Wink

CONDITIONS OF APPROVAL, IF ANY: TITLE OC FIELD REPRESENTATIVE II/STAFF MANAGER DATE JUN 27 2007

DeSoto/Nichols 12-93 ver 1 0

CDU #411 05/2/2007
Drinkard Oil
T21S, R37E, Section 28
939' FNL & 1655' FEL
Job: Squeeze Drinkard Gas Perfs, Deepen, and Convert to Injector



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 5/2/2007. 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. Displace flowline with fresh water. Have field specialist close valve at header. Pressure line according to the type of line. Buried fiberglass lines will be tested with 300 psi. All polypipe (SDR7 and SDR11) will be tested w/100 psi. All steel lines will be tested w/500 psi. If a leak is found, contact Donnie Ives for repair/replacement. If test is good, bleed off pressure and **open valve** at header. Document this process in the morning report.

3. MI & RU workover unit. Bleed pressure from well, if any. Pump down csg with 8.6 PPG cut brine water, if necessary to kill well. Remove WH. Install BOP's and test as required. POH and LD 2-3/8" tbg.

4. PU and GIH with 4 ¾" MT bit, Drill Collars, and 2-7/8" WS to PBTD of 6492', using air unit if necessary. Circulate well clean from 6492'. POH with WS, DC's, and bit. LD bit.

5. PU and GIH w/ 5-1/2" packer on 2-7/8" WS to 6350'. Set packer @ 6350'. Load and test backside to 500#. Establish rate and pressure into Drinkard-Gas Zone perfs 6388'-6449'. TOH w/ packer and WS. LD pkr.

6. TIH w/ 5-1/2" cement retainer on 2-7/8" WS to 6300'. Set retainer @ 6300'.

7. MIRU DS. Cement squeeze Drinkard-Gas perfs (6388'-6449') w/ ~200 sacks or as rate and pressure information dictates. (DS recommendation) RD DS. TOH w/ 2-7/8" WS.

8. PU and GIH w/ 4-3/4" MT bit, DC's, and 2-7/8" WS to 6300'. Drill out CICR and cement. Test cement squeeze to 500 psi, and re-squeeze if necessary.

9. Continue to drill well deeper to 6500'; TOH w/ MT bit. PU and GIH w/ insert bit. Drill to new TD of 6655'. Circulate well clean from 6655'. TOH w/ WS, DC's, and bit. LD bit and DC's.

10. RU WL and run GR/CCL/CNL from 5700'-6655' (*or minimum log footage – which ever is greater*). TOH. RD WL.

11. RIH w/ 5-1/2" packer to 6480'. Set packer @ 6480' w/ 3 jts. of tail pipe on bottom to 6575'. Load and test BS to 300 psi. Check for communications between squeezed perfs and open hole.

12. MIRU DS acid truck. Hold 300 psi on backside. Attempt to pump into open-hole. Pump 3,000 gals 15% HCL at a max rate of 3.5 BPM and max treating pressure of 3,500 psi. ***(report any communication problems with squeezed perfs to engineering)***

13. RD DS acid truck. RU swab and swab well as time permits. Report swab volumes to engineer. RD swab.

14. Release pkr and TOH w/ pkr. POOH and LD pkr.

15. TIH w/ 5-1/2" pkr on 3-1/2" WS. Test tubing to 8000 psi while going in hole. Install frac head. Set packer @ 6300'. Load backside with 2% KCL and pressure to 500#.

16. MI & RU DS Services and Tracer-Tech Services (Mike Mathis (866) 595-3115). Frac well down 3-½" WS at **35 BPM** with 5,390 gals WF125; 27,000 gals WF 125T; 37,500 lbs. 20/40 mesh Jordan Sand as per DS recommendation. Observe a maximum surface treating pressure of **7500 psi.**

    Do not overflush. Shut well in. Record ISIP, 5, 10, and 15 minute SI tbg pressures. RD & Release DS Services. **Leave well SI overnight.**

17. Open well. Bleed pressure from well, if any. Release pkr. POH LD 3-½" work string, on-off tool, and pkr. LD 3-1/2" WS.

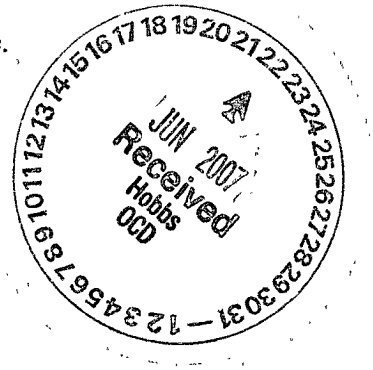
18. PU and GIH with 4 ¾" MT bit on 2-7/8" WS. Tag for fill and clean out to 6655', using air unit if necessary. POH with 2-7/8" WS and bit. LD bit.

19. MI & RU Baker Atlas electric line unit. Install lubricator and test to 2000 psi. GIH and conduct after-frac PRISM GR/Temp/CCL from 5700' to 6655' (*or minimum log footage – which ever is greater*). POH. RD & release electric line unit. **Note: Correlate logs and run flat with Baker Atlas GR/CBL/CCL Log conducted in Step # 10.**

20. TIH w/ pkr and re-test squeeze perfs to 300#. TOH w/ pkr. LD WS and pkr.

21. TIH w/ new 5-1/2" injection packer with on-off tool w/ profile nipple, on new 2-3/8" tbg to 6335'. Set injection pkr @ 6335'. (Set pkr above perfs, call NMOCD to get permission to set above 100' minimum).

22. Chart backside for NMOCD. Start injecting and report rate and pressure.



Engineer – Richard Jenkins
432-687-7120 Office
432-631-3281 Cell

Formation: Drinkard Gas

Well: CDU #411

Location:

939' FNL & 1655' FEL, Sec 28, T-21S, R-37E	
Unit Letter:	B
Field:	Drinkard
County:	Lea
State:	NM
Area:	Hobbs

Well Info:

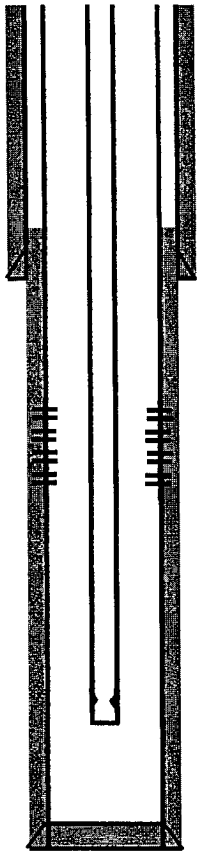
Comp. Date:	3/31/1976
Spud Date:	
API:	30-025-25222
RefNO:	EO8688

Current

Wellbore Diagram

Elevations

KB:	11'
GL:	3448'
DF:	



TOC @ 1150' (DV Tool)

Completion data:

3-12-76
Perfs 6388'-90', 6419'-21', 6447'-49'
Aczd Drk w/ 1800 gals 15% HCL
Frac w/ 33,000 gals gell wtr & 40,000# 20-40 sd.

Subsequent Workover or Reconditioning:

4-22-80 Acdz Drk w/1000 gals 15% NEFE HCL.

7-16-84 Rel Guib Pkr. POH w/Pkr & tbg. RIH w/211 jts tbg set @ 6449'. Install Plunger Lift system.

This wellbore diagram 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 the update date below. Verify what is in the hole with the well file in the Eunice Field Office. Discuss w/ WEO Engineer, WO Rep, OS, ALS, & FS prior to rigging up on well regarding any hazards or unknown issues pertaining to the well.

PBTD: 6492'
TD: 6492'

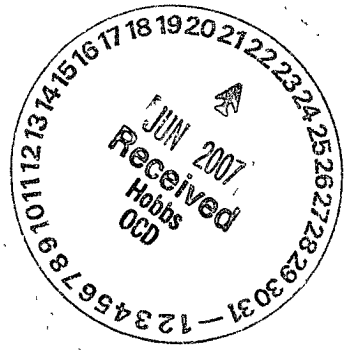
Surface Casing
Size: 8-5/8"
Hole Size: 11"
Set @: 1250'
With: 550 sx. cmt.
TOC: Surface
Grade: K-55
Wt. 24 #

Perfs	Status
6388'-90'	Drinkard Gas - Open
6419'-21'	Drinkard Gas - Open
6447'-49'	Drinkard Gas - Open
4 - 1/2" JSPF	

Tbg Detail 3-76
2-3/8"
EOT @ 6446'

Production Casing
Size: 5-1/2"
Hole Size: 7-7/8"
Set @: 6509'
With: 800 sx. cmt.
TOC: 1150' (DV Tool)
Grade: K-55
Wt. 15.5#

Updated: 9-Apr-07
By: rjdg



Formation: Drinkard Oil

Location:

939' FNL & 1655' FEL, Sec 28, T-21S, R-37E

Unit Letter:	B
Field:	Drinkard
County:	Lea
State:	NM
Area:	Hobbs

Well: CDU #411

Well Info:

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Proposed
Wellbore Diagram

Elevations

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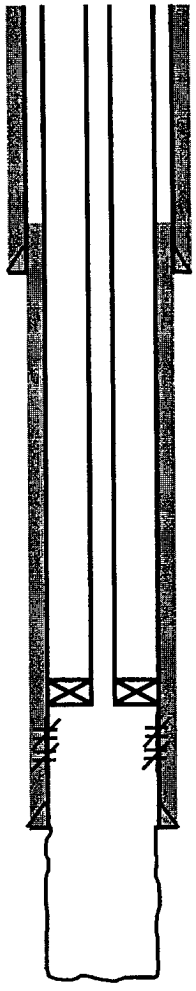

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Set @: 1250'
With: 550 sx. cmt.
TOC: Surface
Grade: K-55
Wt. 24 #

Production Casing
Size: 5-1/2"
Hole Size: 7-7/8"
Set @: 6509'
With: 800 sx. cmt.
TOC: 1150' (DV Tool)
Grade: K-55
Wt. 15.5#

Perfs	Status
6388'-90'	Drinkard Gas - Squeezed
6419'-21'	Drinkard Gas - Squeezed
6447'-49'	Drinkard Gas - Squeezed
4 - 1/2" JSPF	

Open Hole: 6509'-6655'

Updated: 9-Apr-07
By: rjdg