Submit 1 Copy 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

RECEIVED
APR 21 2011
HOBBSOCD

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

Form C-103
October 13, 2009

WELL API NO.
30-025-25184

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 A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (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

8. Well Number 408

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
DRINKARD

4. Well Location
Unit Letter D: 972 feet from the NORTH line and 1305 feet from the WEST line
Section 28 Township 21S Range 37E NMPM County LEA

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

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 CMT SQZ DRINKARD GAS PERFS		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 U.S.A. INC. INTENDS TO CEMENT SQUEEZE THE DRINKARD GAS ZONE PERFS .

PLEASE FIND ATTACHED, THE INTENDED PROCEDURE, WELLBORE DIAGRAM, & C-144 INFO.

Condition of Approval: Notify OCD Hobbs office 24 hours prior of running MIT Test & Chart

Per Underground Injection Control Program Manual 11.6 C Packer shall be set within or less than 100 feet of the uppermost injection perfs or open hole.

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 04-20-2011

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

For State Use Only

APPROVED BY: TITLE STAFF MGR DATE 4-25-2011

Conditions of Approval (if any):

CDU # 408 WI
Drinkard Field
T21S, R37E, Section 28
Job: Cement Squeeze Drinkard Gas Zone Perfs

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 3/28/2011. 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 injection line with fresh water. Have field specialist close valve at main line. Pressure test injection line to 2000 psi. If a leak is found, contact Donnie Ives for repair/replacement. If test is good, bleed off pressure and **open valve** at main line. Document this process in the morning report.

3. MI & RU pulling unit. Bleed pressure from well, if any. Pump down tbg with 10 PPG cut brine water, if necessary to kill well. Remove WH. Install BOP's and test as required. Release dual pkrs. POH with 2 3/8" IPC injection tbg string. LD packers and on-off tool.

4. PU and GIH with 2 7/8" notched collar and 2 7/8" work string to COTD at 6580'. PUH with EOT to approximately 6350'. Pour 8 sacks 30-50 mesh sand down tbg and let settle to bottom. Lower down and tag top of sand plug. Add sand or dress off as needed to place top of sand plug at 6540'. POH with 2 7/8" work string and notched collar. LD notched collar.

5. PU & GIH 5 ½" treating pkr and RBP on 2 7/8" work string to 6475'. Set RBP at 6475'. PUH and set pkr at 6325'. Pressure test casing and pkr to 500 psi. Pump down tbg with 8.6 PPG cut brine water and establish injection rate and pressure into perfs 6399-6443'. **Note: If injection rate is less than ½ BPM at 1500 psi, acidize sqzd perfs 6399-6443' with 500 gals 15% NEFE acid, overdisplaced with 25 bbls 8.6 PPG cut brine water.** Release pkr. Lower down and engage RBP at 6475'. POH with 2 7/8" work string, pkr, and RBP. LD packer and RBP.

6. PU & GIH with 5 ½" tbg-set CICR on 2 7/8" work string to 6325'. Pressure test work string to 5000 psi while GIH. Set CICR at 6325'. Pressure test CICR and csg to 500 psi. Leave pressure on casing while cmt squeezing. Pump down tbg and establish injection rate and pressure into perfs 6399-6443' and OH 6519-40' using 8.6 PPG cut brine water. Report injection rate and pressure to WEO Engineer for possible adjustment to slurry volume.

7. RU Halliburton cementing equipment. Cement squeeze perfs 6399-6443' and OH 6519-40' with 75 sacks FineCem cement containing 0.25 lbs/sk D-AIR 3000 mixed to 11.5 PPG w/ 1.18 CFY followed by 100 sacks Class C cement containing 0.4 % Halad®-322 mixed to 14.8 PPG w/ 1.33 CFY. Attempt to achieve at least 2500 psi surface squeeze pressure. Sting out of CICR. Reverse out excess cement. RD and release Halliburton cementing equipment. POH with 2 7/8" work string and stinger. LD stinger. **WOC overnight**.

8. Open well and bleed off any pressure. PU and GIH with 4 ¾" MT bit, DC's, and stabilizers on 2 7/8" work string to top of CICR at 6325'. Drill out CICR and cement to 6500'. Reverse circulate well clean from 6500' using 8.6 PPG cut brine water. Pressure test casing and sqzd perfs to 500 psi. **If perfs leak, repeat cmt sqz procedure.** Lower down and drill out cement in 5 ½" casing and 4 ¾" open-hole to 6642'. Reverse circulate well clean from 6642', if possible. POH with 2 7/8" work string and BHA. LD BHA.

9. PU & GIH 5 ½" treating pkr on 2 7/8" work string to 6475'. Set pkr at 6475'. Pressure test casing and sqzd perfs to 350 psi. Leave pressure on casing during pump-in test to monitor for communication. Pump down tbg and establish injection rate and pressure into OH 6519-6642' using 8.6 PPG cut brine water. **Note: Do not exceed 1500 psi surface injection pressure or 1 BPM injection rate. Also, if injection rate is ½ BPM or higher at 1500 psi, skip Steps 9 through 12.** Bleed off pressure. Release pkr. POH with 2 7/8" work string and packer. LD packer.

10. MI & RU Baker Atlas electric line unit. Install lubricator and test to 2000 psi. GIH with 3 3/8" RHSC Gunslinger casing guns (0.42" EH & 47" penetration) and perforate from 6548-51', 6571-74', 6576-78', 6584-90', 6594-97', 6610-15', and 6624-27' with 4 JSPF at 120 degree phasing, using 25 gram premium charges. POH. RD & release electric line unit. **Note: Use Baker Atlas GR/CNL/CCL Log dated 5/9/2007 for depth correlation.**

11. PU & GIH 5 ½" treating pkr on 2 7/8" work string to 6475'. Set pkr at 6475'. Pressure test casing and sqzd perfs to 350 psi. Leave pressure on casing during acid job to monitor for communication.

12. MI & RU Petroplex. Pump down tubing and acidize open-hole interval from 6519-6642' with 1,500 gals antisludge 15% HCl acid *** at a maximum rate of **½ BPM** and a maximum surface pressure of **1500 psi**. Spot acid to packer at start of job. Over-displace acid into perfs with 50 bbls 8.6 PPG cut brine water. Record ISIP, 5, 10, & 15 minute SIP's. RD and release Petroplex. **Note: Do not pickle tbg prior to acidizing due to squeezed perfs at 6399 – 6443'.**

*** Acid system is to contain:	2 GPT I-8	Corrosion Inhibitor
	5 GPT FEDX	Iron Reducing Agent
	3 GPT FEBX	Iron Reducing Activator
	20 GPT Petrosol	Mutual Solvent
	2 GPT EP-3	Non-Emulsifier

13. Open well. Bleed off pressure. Release pkr. POH LD 2 7/8" work string and packer.

14. PU and GIH w/ 5 ½" nickel-plated Hydraulic-Set pkr, 4 jts. 2 3/8" EUE 8R J-55 IPC/EPC tbg, 5 ½" nickel-plated AS-1X pkr, nickel-plated on-off tool with 1.78" "F" profile, and 196 jts. 2 3/8" EUE 8R J-55 IPC tbg to 6476', testing to 5000 psi. Displace tbg-csg annulus with corrosion inhibited pkr fluid. Set hydraulic pkr at 6474' and AS-1X pkr at 6338'.

15. Pressure test csg and pkr to 500 psi. Pump down tbg with 8.6 PPG cut brine water to confirm injectivity. Remove BOP's and install WH. RD & release pulling unit.

16. Notify NMOCD of MIT Test with 48 hours advance notice. Pressure test 5 ½" csg and pkr to 500 psi and record chart for NMOCD. Send chart and daily report of workover operations to Denise Pinkerton for filing with the NMOCD.

17. Turn well over to production. Report injection rates and pressures.

AMH
3/29/2011

Well: **CDU # 408 WI**

Field: **Drinkard**

Reservoir: **Drinkard**

Current
Wellbore Diagram

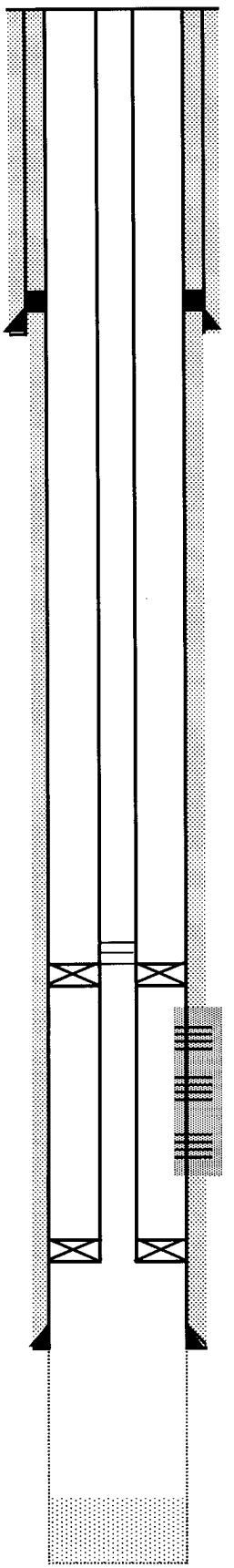
Location:
972' FNL & 1305' FWL
Section: 28
Township: 21S
Range: 37E Unit: D
County: Lea State: NM

Elevations:
GL: 3458'
KB: 3534'
DF: 3533'

Well ID Info:
Chevno: EO7918
API No: 30-025-25184
L5/L6: UCU410400
Spud Date: 1/2/76
Compl. Date: 2/12/76

DV Tool @ 1194'

Surf. Csg: 8 5/8" 24#, K-55
Set: @ 1250' w/ 550 sx cmt
Hole Size: 11"
Circ: Yes **TOC:** Surface
TOC By: Circulated



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.

Tubing Detail:

#Jts:	Size:	Footage
	KB Correction	11.00
	2 3/8" x 1' (1.995" ID) SS Tbg Nipple	1.00
196	Jts. 2 3/8" J-55 IPC Tbg	6324.12
	On-Off Tool w/ 1.5" "F" Profile	1.54
	5 1/2" AS-1X NP Weatherford Packer	7.22
4	Jts. 2 3/8" J-55 IPC/EPC Tbg	128.72
	5 1/2" NP Hydraulic-Set Packer	2.30
200	**Bottom Of String >>**	**6475.90**

Perfs:	Status
6399-6401'	Drinkard - Cmt Sqzd
6422-24'	Drinkard - Cmt Sqzd
6441-43'	Drinkard - Cmt Sqzd

Prod. Csg: 5 1/2", 15.5# K-55
Set: @ 6519' w/ 965 sx cmt
Hole Size: 7 7/8"
Circ: Yes **TOC:** Surface
TOC By: Circulated

6519-6580' Drinkard Open Hole

COTD: 6580'
PBTD: 6642'
TD: 6642'

Updated: 3/29/2011

By: A. M. Howell

Well: **CDU # 408 WI**

Field: **Drinkard**

Reservoir: **Drinkard**

Proposed
Wellbore Diagram

Location:
972' FNL & 1305' FWL
Section: 28
Township: 21S
Range: 37E Unit: D
County: Lea State: NM

Elevations:
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Well ID Info:
Chevno: EO7918
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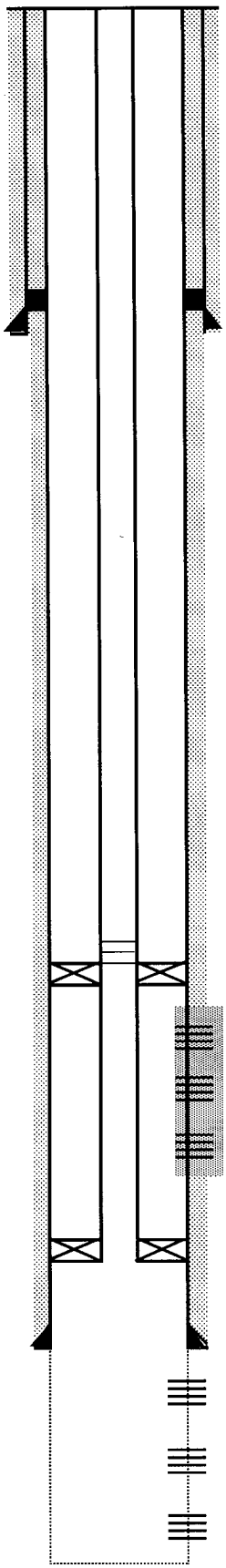

Surf. Csg: 8 5/8" 24#, K-55
Set: @ 1250' w/ 550 sx cmt
Hole Size: 11"
Circ: Yes **TOC:** Surface
TOC By: Circulated

DV Tool @ 1194'

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.

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	5 1/2" NP Hydraulic-Set Packer	2.30
200	**Bottom Of String >>**	**6475.90**

Perfs:	Status
6399-6401'	Drinkard - Cmt Sqzd
6422-24'	Drinkard - Cmt Sqzd
6441-43'	Drinkard - Cmt Sqzd

Prod. Csg: 5 1/2", 15.5# K-55
Set: @ 6519' w/ 965 sx cmt
Hole Size: 7 7/8"
Circ: Yes **TOC:** Surface
TOC By: Circulated

Perfs:	Status
6548-51'	Drinkard - OH Perfs
6571-74'	Drinkard - OH Perfs
6576-78'	Drinkard - OH Perfs
6584-90'	Drinkard - OH Perfs
6594-97'	Drinkard - OH Perfs
6610-15'	Drinkard - OH Perfs
6624-27'	Drinkard - OH Perfs

6519-6642' Drinkard Open Hole

COTD: 6642'
PBTD: 6642'
TD: 6642'

Updated: 3/29/2011

By: A. M. Howell