Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

HOBBS OCD
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State of New Mexico
Energy, Minerals and Natural Resources

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

Form C-103
Revised August 1, 2011

WELL API NO.
30-025-31995

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
B-9613

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
WEST DOLLARHIDE DRINKARD UNIT

1. Type of Well: Oil Well ☐ Gas Well ☐ Other INJECTION

8. Well Number 131

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
DOLLARHIDE TUBB DRINKARD

4. Well Location
Unit Letter H : 2150 feet from the NORTH line and 850 feet from the EAST line
Section 32 Township 24-S Range 38-E NMPM County LEA

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
GR-3185'

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: CLEAN OUT, RE-PERFORATE, STIMULATE ☐ | | 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 CLEAN OUT, RE-PERFORATE & PROPELLANT STIMULATE SUBJECT WELL.

PLEASE FIND ATTACHED, THE INTENDED PROCEDURE, WELL BORE DIAGRAM & C-144 INFORMATION.

Spud Date: Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Scott Haynes TITLE PERMIT SPECIALIST DATE 04/04/2013

Type or print name SCOTT HAYNES E-mail address: TOXO@CHEVRON.COM PHONE: 432-687-7198

**For State Use Only**

APPROVED BY: TITLE Dist. Mgr DATE 4-8-2013

Conditions of Approval (if any):

APR 09 2013

# Workover Procedure
# West Dollarhide Drinkard Unit
# Dollarhide Field

**WBS # UWDOL – R3136**
**WDDU 131**

**API No: 30-025-31995** **03/07/13**
**CHEVNO: QU2077**

**Description of Work**: Clean Out Fill, Re-perf & Propellant Stimulate

**Current Hole Condition**:

Total Depth: 7000' PBTD: 6852' GL: 3185' KB: +11'

Casing Record:
8 5/8" 24# WC-50 set @ 1160' w/ 525 sx class 'C' cmt; TOC @ surf
5-1/2" 15.5 & 17# WC-50 & J-55 set @ 7000' w/ 1350 sx cmt; TOC @ 1600 by TS
*BH SQZ down annulus: 300 sx cmt
Tubing Record:
2-3/8" J-55 Fiberlined tubing installed new in 2012
5-1/2" Uni 6 Pkr w/ 1.43 'F' profile. (Top of packer 6411')

Existing Perforations:
Drinkard: 6485-6658'
Proposed Perforations:
Drinkard: 6584-6606'
Abo: 6702-12', 6746-60', 6787-6832'

**CONTACT INFORMATION:**

| | | |
|---|---|---|
| Jamie Castagno | Production Engineer | Cell: 432-530-5194 |
| Femi Esan | Geologist | Ph: 432-687-7731 |
| Jonathan Paschel | D&C Engineer | Cell: 432-687-7512 |
| Phillip R Minchew | ALCR | Cell: 432-208-3677 |
| Aaron Dobbs | Production Specialist | Cell: 505-631-9071 |

**REGULATORY REQUIREMENTS:**

# NOTIFY FMT TO BLEED DOWN WELL AT LEAST TWO WEEKS PRIOR TO THE ESTIMATED RU TIME

Prepared by: Jamie Castagno (03/07/13) Reviewed by: Jonathan Paschel (3/6/13)

**PRE-WORK:**

1. **Notify BLM/NMOCD 48 hours prior to RU.**

2. Complete the rig move checklist.

3. Ensure location is in appropriate condition, anchors have been tested within the last 24 months, power line distance has been verified to determine if variance and RUMS are

4. When NU anything over and open wellhead (EPA, etc) ensure the hole is covered to avoid anything downhole.

5. Review H2S calculations in H2S tab included.

6. Any equipment installed at the wellbore, including wellhead (Inside Diameter), is to be visually inspected by the WSM to insure no foreign debris or other restrictions are present.

**PROCEDURE**:

7. Prior to rig up check tubing pressure and record. If injector is stable at a low pressure or dead proceed to step 8. Otherwise proceed to 7a. Note that all perfs are covered by fill.
   a. Prior to MIRU workover rig. Make a slickline gauge ring run and then set 1.43" 'F' blanking plug at ~6411'. Test blanking plug w/ 500 psi over SITP.

   b. MIRU. Reference SI pressures on Wellview report. Calculate density of kill fluid necessary for well control purposes.

   c. ND WH, NU 7-1/16" 5K Hydraulic BOP with 2-3/8" pipe rams on top and blind rams on bottom. Perform a pressure test on the BOP against injection packer to 250/500 psi for 30 min as a preliminary casing test. **Notify RE if test fails indicating possible casing leaks among other issues.** Release on/off tool, LD 2 joints. PU/RIH with 5-1/2" packer and set ~ 25'. Test BOP pipe rams to 250/1000 psi against packer.
   d. Displace packer fluid with kill weight fluid throughout the wellbore.
      A. If kill weight mud >10 ppg is needed notify RE if the WSM believes a workstring with a drain sub would be best.
   e. Latch back onto the On/Off tool.
   f. Punch blanking plug or equalize pressure and retrieve blanking plug on slickline.
   g. Release Guiberson Uni-VI PC Packer, and POOH scanning 2-3/8" injection tubing. LD any bad joints (green and red). Tally pipe out of the hole to verify depths.

A. If packer does not release easily requiring excessive working with the production tubing, proceed to the contingency plan at the end of the procedure.

8. In stable hole or low pressure situation.
   a. MIRU workover rig.
   b. ND WH, NU 7-1/16" 5K Hydraulic BOP with 2-3/8" pipe rams on top and blind rams on bottom. Perform a preliminary pressure test on the BOP against injection packer to 250/500 psi. **Notify RE if test fails indicating possible casing leaks among other issues.** Release Guiberson Uni-VI PC Packer. Circulate kill weight fluid if necessary. LD 2 joints. PU/RIH with 5-1/2" packer and set ~ 25'. Test BOP pipe rams to 250/1000 psi against packer.
      A. If packer does not release easily requiring excessive working with the production tubing, proceed to the contingency plan at the end of the procedure.
   c. POOH scanning 2-3/8" injection tubing. LD any bad joints (green and red). Tally pipe out of the hole to verify depths.

9. Close blind rams. Change pipe rams from 2-3/8" to 2-7/8". PU/RIH with packer and set it ~ 25'. Test 2-7/8" pipe rams to 250/1000 psi. Release and LD packer.

➢ **Caliper elevators and tubular EACH DAY prior to handling tubing/tools. Note in JSA when and what items are callipered within the task step that includes that work.**

10. PU/RIH with 4-3/4" MT bit, 3-1/2" DC's on 2-7/8" WS. RIH and tag for fill (note fill depth on report). Fill is expected above perforations @ 6470'. PU power swivel and C/O to PBTD (6852') and circulate well clean.

❖ **Well has no known bad casing, but the perforations have not been cleaned out since it was drilled in 1994**. Attempt to clean out down to PBTD, but discuss plan forward with RE if cmt or formation begin showing in returns.

Note: Inspect returns and turn samples to Baker Chem Rep & ALCR for analysis and treatment recommendation.

11. POOH and LD bit and DC's.

➢ **Caliper elevators and tubular EACH DAY prior to handling tubing/tools. Note in JSA when and what items are callipered within the task step that includes that work.**

12. MIRU Apollo wireline. Conduct safety meeting, set up an exclusion zone and insure all electronic devices are turned off. Install lubricator and test. RIH w/ guns and perforate the following intervals w/ **6 JSPF**, 3-1/8" gun slick gun, .40 entry hole, 60 deg phasing. Correlate with attached gamma log dated 06/1994.

    Drinkard: 6584-6606' (22')

    Abo: 6702-12' (10'), 6746-60' (14'), 6787-6832' (45')

    **Ensure that fluid level is at least 100' above perforations**

13. POOH/LD perforating guns.

14. Load 3-3/8" GasGun propellant guns. RIH w/ guns and complete propellant treatment in 5 runs as per attached procedure. Correlate with attached gamma log dated 06/1994.

    **Ensure that fluid level is 1000' above perforations if possible. 300' is the minimum allowable.**

- **Caliper elevators and tubular EACH DAY prior to handling tubing/tools. Note in JSA when and what items are callipered within the task step that includes that work.**

15. Close blind rams. Change pipe rams from 2-7/8" to 2-3/8". Open blind rams killing well if necessary. PU/RIH with new packer and set it ~ 25'. Test 2-3/8" pipe rams to 250/1000 psi.

16. Continue downhole with new 5-1/2" AS-1X nickel-coated IPC as injection packer, with pump-out plug (rated 1500#), on/off tool with 1.43" 'F' stainless-steel profile nipple on 2-3/8" 4.7# J-55 IPC injection tubing hydrotesting all tubing to 6000 psi. Set top of injection packer @ +/- 6400' (~10' above previous setting depth). Load tubing. Disengage on/off tool. Circulate packer fluid, followed by enough brine to fill tubing (about 17 bbls). Engage back on/off tool. Perform preliminary MIT testing to 500 psi for 30 minutes.

17. ND BOP, NU WH. Pump down tubing to shear-off pump-out plug.

18. Conduct MIT (mechanical integrity test). Pressure test casing to 500 psi and record chart for 30 minutes. **Notify BLM/NMOCD of MIT with 4 hours advance notice with rig on well. Test for H-5. Send original chart to ALCR and keep copy for well file.**

19. RDMO. Turn over well to operations (contacts on first page).

**Contingency Plan if PKR does not release.** (If proceeding from step 7.g start at step III after setting a new blanking plug. If proceeding from step 8.b.A start at I.

I. RU slickline, run a gauge ring and set a 1.43" 'F' blanking plug in profile nipple. Test 1.43" blanking plug w/ 500 psi over SITP. Bleed off pressure and monitor tubing and casing to ensure well is isolated and dead.

II. Release off of packer and circulate out packer fluid with kill weight fluid.

III. POOH scanning all 2-3/8" injection tubing. LD any bad joints. Plan to replace on/off tool and injection packer.

IV. Close blind rams. Change pipe rams from 2-3/8" to 2-7/8". PU/RIH with packer and set it ~ 25'. Test 2-7/8" pipe rams to 250/1000 psi. Release and LD packer.

V. PU/RIH with on/off tool, perforated sub (to equalize on 2-7/8" L80 6.5# WS). Latch on to Guiberson Uni-VI PC packer.

VI. Punch blanking plug or equalize pressure and retrieve blanking plug on slickline.

    a. Kill well if necessary

VII. Release packer, POOH, and LD packer and perforated sub.

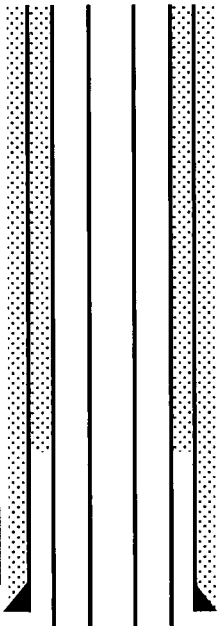
VIII. Proceed to step 10.

# West Dollarhide Drinkard # 131

| Location: |
|---|
| 2150' FNL & 850' FEL |
| Section: 32 |
| Township: 24S |
| Range: 38E Unit: H |
| County: Lea State: NM |

| Well ID Info: |
|---|
| Chevno: QU2077 |
| API No: 30-025-31995 |
| **Compl. Date: 6/16/94** |

| Elevations: |
|---|
| GL: 3185' |
| KB: 3196' |
| DF: |



***Initial Completion***

**Perf DRKD 6485-6658'. Acdz w/ 7800 gal 15% HCl**

***Subsequent Workovers***

**01/2007 Developed Communication**. Replaced entire tbg string & pkr.

**07/2012**: TD Check tagged fill @ 6470'

8 5/8" 24# WC-50 set @ 1160' w/ 525 sx class 'C' cmt; TOC @ surf

***Tubing Detail***

1 - 2 3/8 SS Nipple
213 - 2-3/8" 4.7# J-55 FL Tbg
1 - 2-3/8" O/O tool w/ 1.43 F Profile
1 - 2-3/8" X 5-1/2" 17-20# Uni 6 Pkr
1- 2 3/8" FG Sub
KB +11'
**FHD @ 6422.15'**

Pkr set at 6420'

Fill @ 6470'

Proposed Perfs:
Drinkard: 6584-6606'
Abo: 6702-12', 6746-60', 6787-6832'

Drinkard: 6485-6658' w/ 4 JSPF (412 holes)

5-1/2" 15.5 & 17# WC-50 & J-55 set @ 7000' w/ 1350 sx cmt; TOC @ 1600 by TS
*BH SQZ down annulus: 300 sx cmt

**PBTD 6852'**
**TD 7000'**

**Updated:**12/13/2012
by jxxf