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Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
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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

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised August 1, 2011

HOBBS OCD

MAY 03 2013

RECEIVED

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

WELL API NO. 30-025-12321
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name WEST DOLLARHIDE DRINKARD UNIT
8. Well Number 42
9. OGRID Number 4323
10. Pool name or Wildcat DOLLARHIDE TUBB DRINKARD

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.)

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

2. Name of Operator
CHEVRON U.S.A. INC.

3. Address of Operator
15 SMITH ROAD, MIDLAND, TEXAS 79705

4. Well Location

Unit Letter A : 660 feet from the NORTH line and 660 feet from the EAST line
Section 32 Township 24S Range 38E 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:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: CLEAN OUT, RE-PERF & PROPELLANT STIM ☐

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. intends to clean out fill, re-perf & propellant stimulate subject well.

Please find attached the intended procedure, well bore diagram and C-144 w/info.

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 04/29/2013

Type or print name Scott Haynes

E-mail address: tox@chevron.com

PHONE: 432-687-7198

For State Use Only

APPROVED BY: ED Gonzalez
Conditions of Approval (if any):

TITLE Dist. Mgr.

DATE 5-6-2013

MAY 06 2013

**Workover Procedure
West Dollarhide Drinkard Unit
Dollarhide Field**

**WBS # UWDOL –
WDDU 42**

**API No: 30-025-12321
CHEVNO: FB3260**

04/05/13

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

Current Hole Condition:

Total Depth: 8100' PBTD: 6750' GL: 3199' KB: +14'

Casing Record:

13-3/8" 36# csg set @ 316' w/ 375 sx; Circ'd
9-5/8" 32.3 & 40# csg set @ 3135' w/ 360 sx; TOC @ 975' by TS
7" 23 & 26# J-55 & N-80 set @ 8053' w/ 451 sx cmt; original TOC @ 4825'
*10/80: Perf 4825', sqz w/ 362 sx

Tubing Record:

2-3/8" poly lined tubing (207 jts?)
7" loc-set prk @ 6541'

Existing Perforations:

Tubb: 6580-6670'
Drinkard: 6778-6989': **SQUEEZED w/ 10 sx cmt**
Abo: 7870-7970': **BELOW CIBP**

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 (04/05/13)

Reviewed by: Jonathan Paschel (4/9/13)

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 necessary.
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. MIRU workover rig.
 - a. This well currently has an obstruction in the tubing at 217', but it is injecting at 1450# and 40-70 BWPD.
 - b. Bleed down well at least two weeks in advance. Kill well w/ 10# brine and monitor for 30 minutes before proceeding.

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.

8. 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 Loc-Set Packer. Circulate kill weight fluid around packer throughout wellbore if necessary. LD 2 joints. PU/RIH with 7" 23-26# rated packer and set ~ 25'. Test BOP pipe rams to 250/1000 psi against packer.
 - a. Injection tubing will be replaced so it can be worked more than normal IPC. If necessary, release off the on/off tool if possible and plan on retrieving packer on 2-7/8" workstring.
 9. POOH/ LD all 2-3/8" injection tubing. Tally pipe out of the hole to verify packer depth.
 10. Close blind rams. Change pipe rams from 2-3/8" to 2-7/8". PU/RIH with 7" 23-26# rated tension set 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.**

11. PU/RIH with 6-1/8" MT bit, 3-1/2" DC's on 2-7/8" WS. RIH and tag for fill (note fill depth on daily report). Fill is expected above perforations. PU power swivel and C/O to PBTD (6750') and circulate well clean. Begin to drill out CMR and cement. C/O to 7000' and circulate well clean. Do not drill out CIBP @ 7050'. Note new PBTD in daily report.

❖ **Well has no known bad casing (only a burr that was milled at 2581'), but the perforations have not been cleaned out since 1994.** Attempt to clean out down to 7000', but remain in close communication with RE & PE while drilling out CMR & cmt. Contact RE for plan forward if large metal shavings or formation begin showing in returns.

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

12. POOH and LD bit and DC's. If CMR & squeeze cmt was drilled out to 7000' continue to next step to log well. If old Drinkard perfs (6778-6989') were not uncovered during C/O, skip to step 15.

13. MIRU logging company. Run CNL/CCL/GR log from new PBTD to 5500'. Correlate with casing inspection log dated 11/16/1993. Immediately send electronic and hard copies to RE and PE so perforation intervals can be chosen and guns can be built overnight.

14. RDMO logging company if not the same as the perforating company.

➤ **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. MIRU Apollo wireline. Conduct safety meeting, set up an exclusion zone and insure all electronic devices are turned off. Install lubricator and test to 500 psi. RIH w/ guns and perforate per depths chosen by engineering team w/ **6 JSPF**, 3-1/8" gun slick gun, .46" entry hole, 60 deg phasing, 44" penetration. Correlate with new log if ran or attached casing inspection log dated 11/16/1993.

Ensure that fluid level is at least 100' above perforations

16. POOH/LD perforating guns.

17. Load propellant guns. RIH w/ guns and complete propellant treatment per attached proposal. Correlate with new log or attached casing inspection log dated 11/16/1993.

Ensure that hydrostatic overbalance is at least 1000 psi (2000' of 10# brine above perforations). 300' is the minimum allowable. Fluid level must also be at least 225' below surface to allow for fluid movement during stimulation that could damage or destroy the wellhead. Do not proceed until these conditions are met.

➤ **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.**

18. TIH with new 7" 23-26# rated AS-1X nickel-coated IPC injection packer, with pump-out plug (rated 1500#), on/off tool with 1.43" 'F' stainless-steel profile nipple on workstring w/ perforated sub on bottom. Set top of injection packer @ +/- 6540' (or ~10' above depth of previous packer according to tally). Load tubing and casing and conduct a

preliminary MIT test. Circulate packer fluid and release off of On/Off tool. TOH w/ workstring.

- a. If well has been dead throughout workover, the injection packer can be set on injection tubing. Consult w/ RE if this option is possible.
19. Close blind rams. Change pipe rams from 2-7/8" to 2-3/8". Open blind rams killing well if necessary. PU/RIH with 7" 23-26# rated tension set packer and set it ~ 25'. Test 2-3/8" pipe rams to 250/1000 psi.
20. TIH w/ On/off tool and new 2-3/8" 4.7# J55 TK15 injection tubing hydrotesting to 5000#. Latch back onto the packer.
21. ND BOP, NU WH. Pump down tubing to shear-off pump-out plug.
22. 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 MIT. Send original chart to ALCR and keep copy for well file.**
23. RDMO. Turn over well to operations (contacts on first page).

West Dollarhide Drinkard # 42

Location:
66' FNL & 660' FEL
Section: 32
Township: 24S
Range: 38E Unit: A
County: Lea State: NM

Well ID Info:
Chevno: FB3260
API No: 30-025-12321
Compl. Date: 4/2/53

Elevations:
GL: 3199'
KB: 3213'
DF:

13-3/8" 36# csg set @ 316' w/
375 sx; Circ'd

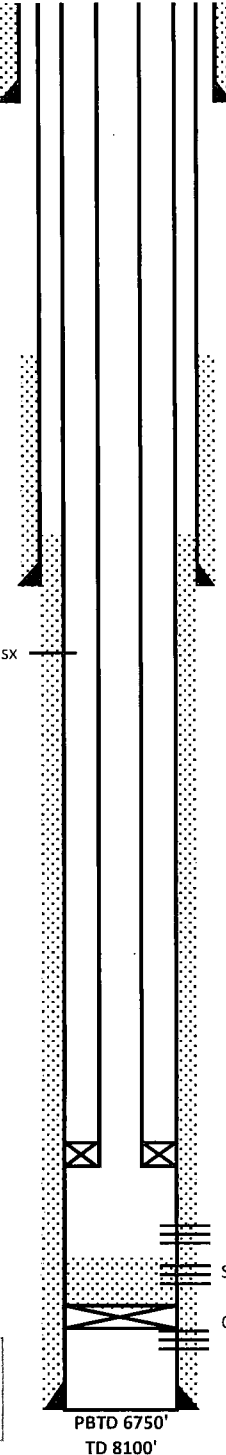
9-5/8" 32.3 & 40# csg set @ 3135' w/
360 sx; TOC @ 975' by TS

Tubing Detail (02/1994)

2-3/8" poly lined tubing (207 jts?)
7" loc-set prk @ 6541'

7" 23 & 26# J-55 & N-80 set @ 8053' w/ 451 sx
cmt; original TOC @ 4825'
10/80: Perf 4825', sqz w/ 362 sx

Perf @ 4825'; sqz w/ 362 sx



Initial Completion

Perf ABO 7870-7970' acdz w/ 6,000 gal. acid frac'd w/ 3000 gal gelled acid & 2# sd. Set CIBP @ 7050' w/ 10' cmt. Perf 6580-6989' acdz in 2 stgs w/ 12,000 gal. Put on rod pump (?).
PT: 99 BO: 0 BW: GOR 695

Subsequent Workovers

02/1958 Set BP @ 6720' acid frac'd perfs 6580-6670' w/ 10,000 gal galled acid & 1# sd.

11/1980 PB Abo & Squeeze Csg: Run bit & scraper to 6963'. Run CBL find TOC @ 4825'. Set BP @ 6,045'. Perf 2 holes @ 4825'. Sqz holes w/ 362 sx cmt. Drill out cmt from 4720-4842'. Release RBP. Set CMR @ 6750'. Cmt perfs 6828-6989' w/ 10 sx, displace to 6700'. Pull CMR (?). Acdz w/ 9000 gal 20% & GRS. PBDT 6750'.

11/1993 Convert to Inj: Tagged @ 6714'. Run csg insp log. Milled burr in csg @ 2581'. Acdz perfs w/ 1000 gal 15%.

11/2005 TA well (set plug in prk?)

10/2010 Return to Injection

Tubb: 6580-6608', 22-28', 64-70' w/ 4 JSFP (40', 160 shots)

SQUEEZED w. 10 sx cmt

Drinkard: 6778-96', 6828-34', 40-46', 63-93', 6920-40', 49-53', 85-89'

CIBP @ 7050' w/ 10' cmt on top

Abo: 7870-90', 7905-10', 20-35', 50-70' w/ 4 JSFP (55', 220 shots)

Updated: 04/01/13
by jxxf