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

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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. 30-025-32370

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: WEST DOLLARHIDE DRINKARD UNIT

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

8. Well Number 141

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 B : 100 feet from the NORTH line and 2580 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:				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, ACIDIZE & SAND FRAC 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 acidize & sand frac 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 SH TITLE Permit Specialist DATE 05/01/2013

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 5-6-2013

Conditions of Approval (if any):

MAY 06 2013

Workover Procedure
West Dollarhide Drinkard Unit
Dollarhide Field

WBS # UWDOL – R3
WDDU 141

API No: 30-025-32370 **04/10/2013**
CHEVNO: QU2090

Description of Work: Cleanout, Acidize and Sand Frac stimulate the Drinkard/Abo

Current Hole Condition:

Total Depth: 7481' PBTD: 6989' GL: 3198' KB: +11'

Casing Record:
8-5/8" 24#/ft WC50 @ 1160' w/ 600 sx, Circ to surf
5-1/5" 15.5 & 17#/ft @ 7605' w/ 1975 sx, Circ to surf

Existing Perforations:
Tubb: 6244-6410'
Drinkard: 6584-6604'
Abo: 6747-6971'

Proposed Perforations:
Drinkard: 6610-34', 6662-82' (44' net)

CONTACT INFORMATION:

Jamie Castagno	Production Engineer	Cell: 432-530-5194
Femi Esan	Geologist	Ph: 432-687-7731
Jonathan Paschel	D&C Engineer	Cell: 432-557-1464
Dante Valenzuela	PTL	Cell: 432-208-8356
Phillip R Minchew	ALCR	Cell: 432-208-3677
Aaron Dobbs	Production Specialist	Cell: 505-631-9071

REGULATORY REQUIREMENTS:
Submit C-103 Notice of Intent & Subsequent Reports (to be done by engineering staff)

Prepared by: Jamie Castagno (04/10/13) Reviewed by: Jonathan Paschel (4/22/13)

This procedure is meant to be followed. It is up to the WSM, Remedial Engineer and Production Engineer to make the decisions necessary to do it safely and do what is best for the well. In the extent that this procedure does not reflect actual operations, please contact RE, PE and Superintendent.

1. Complete rig move checklist. Check road, ensure anchors have been tested in the last 24 months, and verify powerline for need of variance ahead of time.
2. MIRU. Bleed well down or kill as necessary. Record SICP and SITP. TOOH with rods & pump laying down. Replace pump and bad rods. **Note: Inspect rods while POOH for damage and plan ahead of time to replace.**

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

3. Kill well and monitor. ND wellhead. Release TAC, NU dual Hydraulic BOP with blind rams on bottom and 2-7/8" pipe rams on top. LD 1 joint, PU/RIH with 5-1/2" 15-17# rated packer and set it ~ @ 25', test BOP pipe rams to 250 psi/ 1000 psi. Note testing pressures on wellview report. Release and LD packer.
4. TOOH scanning 2-7/8" production tubing per attached tubing detail. **Caliper elevators and tubular EACH DAY prior to handling tubing/tools.** Tally out with tubing. Lay down all joints and plan on replacing bad joints (green and red) .
5. PU/RIH with 4-3/4" MT bit on 2-7/8" L-80 6.5# on workstring. Tag and record fill depth. PU power swivel, C/O to PBTD (6989') and circulate well clean.

   Note: 2003 workover noted there was bad csg ("could not get down w/ 4.5" swedge; ran 4" swedge to PBTD), but depths of csg damage have not been found.

   Recover and send samples in a timely manner to Baker Chemical rep and ALCR for analysis (if possible at location). Discuss treatment recommendation with Chemical rep and ALCR. If there is evidence of sulfate scale treat well accordingly; otherwise, continue per procedure.
6. POOH/LD bit. Prepare to perforate.
7. MIRU perforating contractor. Install lubricator and test to 1000 psi. Establish radio silence. RIH w/ guns and perforate the following intervals w/ 3 JSPF, 3-1/8" gun, 90 deg phasing. Correlate w. GR/CCL log dated 5/13/94.

   Drinkard: 6610-34', 6662-82' (44' net)

   Ensure that fluid level is at least 100' above perforations
8. POOH/LD perforating guns. RDMO perforating contractor.
9. PU/RIH with 5-1/2" treating PKR on 2-7/8" tubing hydrotesting to 6000 psi. Set PKR @ ~ 6200'. Load backside and pressure test to 500 psi.
10. If recommended by chemical rep, spot scale converter/water mix across all CLFK perfs per Chemical rep recommendation. SI to soak scale converter overnight.
    a. Swab back load of scale converter.

11. MIRU acid contractor. Conduct safety meeting, set up an exclusion zone. RU choke manifold to open top flowback tank. Test lines and equipment to 6000 psi. Pressure up backside to 500 psi. Monitor tubing/casing annulus pressure throughout acid job. Bleed off if casing pressure exceeds 500 psi or flush and shut down if communication occurs. **Set pop-off valve to 5500 psi. Maximum surface pumping pressure of 5800 psi.**

12. Acidize Clfk perforations from 6244-6971' with 12,000 gal 15% NEFe HCl in 4 stages dropping GRS between stages to divert at 1-2 PPG per attached Petroplex procedure.

    a. Load tubing and establish injection rate. Pump 3,000 gal acid (~72 bbls).

    b. Pump 1000# GRS in Gelled Brine-Water.

    c. Pump 3,000 gal acid. Monitor pressure for salt action.

    d. Pump 1000# GRS in Gelled Brine-Water...repeat for a total of 4 acid stages and 3 GRS.

13. Flush tubing to bottom perforations. SI well for 1 hour allowing acid to spend. Record ISIP, 5, 10, & 15 minute SIP's.

14. Swab or flow back to recover 100% of treatment and load volumes or until returns indicate formation fluid and not spent acid, if possible. Kill tubing if necessary. Report acid volumes and pressures on morning wellview report.

15. Release treating packer, POOH and LD packer. PU/RIH with notched collar and C/O any rock salt to PBTD (6989'). Circulate well with fresh water to dissolve remaining GRS. POOH/LD tubing.

16. Close blind rams. Change pipe rams from 2-7/8" to 3-1/2". Test BOP w/ 5-1/2" 15-17# rated tension set packer to 250/1000 psi for 5 minutes each. LD packer.

17. PU/RIH with 10K 5-1/2" AS-1X treating packer, on-off tool, hardened profile nipple and blast joint on 3-1/2" 9.3# L-80 workstring. Hydrotest tubing to 8000 psi while RIH. Set packer at 6135' (approx 110' above top perfs). Pressure test annulus to 500 psi. Nipple up 10K frac valve to BOP. Test frac valve to 8500 psi.

18. RDMO pulling unit.

19. Prior to job, verify compatibility with Service Company of all frac fluids to reservoir fluids at temperature of 135 ° F. Send results to Production and Remedial Engineers.

20. RU flowback crew if location permits. MIRU frac equipment. Conduct safety meeting and set up an exclusion zone. Install pop-off valves downstream of frac crew check valve with manually operated valve below pop-off. Test all service company pressure shutdowns on each pump truck and surface lines to 8000 psi. **Set pop-off in pump to less than 8,000 psi. Install pop-off on 5-1/2" x 3-1/2" annulus and set to 500 psi. Pressure to 300 psi and monitor during frac job.**

21. Establish pump rate into perforations with treated water. Complete sand fracture treatment as per attached frac procedure.

DO NOT OVERDISPLACE (EVEN TO TOP PERF) UNDER ANY CIRCUMSTANCES.

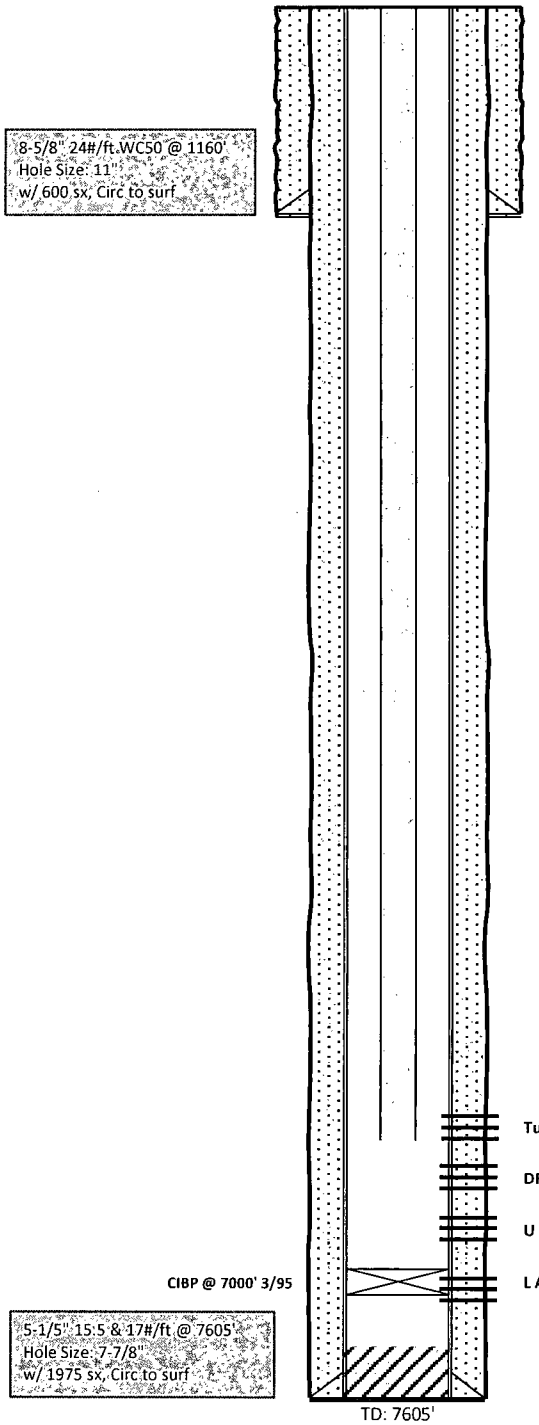
22. RDMO frac crew. Shut in for at least 24 horus to allow sand to cure and X-linked fluids to

break.

23. Flow back well through choke manifold until well dies. Bring well on at 20 bbls/hr and bring up to 50 bbls/hr over the first 12 hours. Continue flowing until well is dead or returns can be put into the flowline.
24. MIRU pulling unit. Test 3-1/2" pipe rams to 500 psi against packer.
    - **Caliper elevators and tubular EACH DAY prior to handling tubing/tools and anytime size changes. Note in JSA when and what items are callipered within the task step that includes that work.**
25. ND frac valve, release packer, and circulate kill weight fluid. POOH and lay down 5-1/2" packer and 3-1/2" WS.
26. Close Blind rams. Change 3-1/2" to 2-7/8" pipe rams. Open blind rams. PU/RIH and set 5-1/2" 15-17# rated packer @ ~ 25' to test 2-7/8" pipe rams to 250 psi / 1000 psi. Release and LD packer.
27. PU/ RIH with 4-3/4" skirted mill tooth bit on 2-7/8" L80 6.5# workstring. Tag top of sand and drill out any sand that has set up in wellbore to PBTD. Circulate well clean. POOH and LD bit and BHA.
28. PU 5-1/2" treating PKR on 2-7/8" WS hydrotesting to 5000#. Set PKR @ ~ 6200'.
29. Bullhead scale inhibitor across perfs per Chemical rep recommendation. Flush scale inhibitor per Chemical rep recommendation. SI to soak overnight.
30. Release PKR. POOH & LD PKR.
31. PU and RIH with production tubing as per ALCR recommendation.
32. ND BOP, set TAC per ALCR recommendation and NU WH.
33. RIH with rods, weight bars and pump per ALCR recommendation. RDMO pulling unit
34. Turn well over to production (see contacts on first page of procedure).

WEST DOLLARHIDE DRINKARD 141

FIELD: West Dollarhide Drinkard Unit		**Well No:** 141	**FORMATION:** TUBB, DRKD, ABO
LOC: 100' FNL & 2580' FEL	**Sec:** 32	GR: 3198'	CURRENT STATUS: Producer
TOWNSHIP: 24S	**Cnty:** Lea	KB: 3209'	API NO: 30-025-32370
RANGE: 38E	**State:** NM	DF: '	Chevno: QU2090



TD: 7605'
PBTD: 7481'

SPUD: 4/16/1994

Date Completed: 5/27/94	Initial Production:
Initial Formation: Drkd, L+U Abo	120 BO, 34 Mcf, 162 BW
FROM: 6584' TO: 7223'	283 GOR, -- Sp Grv

Initial completion:
Perf Lower Abo 7008-18, 29037, 43-58, 64-82, 7106-12, 18-20, 24-29, 62-67, 70-80, 84-90, 96-98, 7208-23 & Upper Abo 6747-49, 55-59, 69-74, 79-90, 94-96, 6798-6800, 32-42, 45-56, 62-74, 6897-6900, 42-45, 49-53, 62-65, 69-71; w/ 2 jspf, 354 holes
Acidize **L Abo (7008-7223')** w/ 7k gal 15% NEFe; acidz **U Abo (6747-6971')** w/ 6k gal (7/94)

Perf **DRKD w/ 4&2 JSPF 6584-6604'**; 120 holes. Frac'd w/ 38k gal 40# xlinked gelled wtr and 100k lbs 20/40 econoprop (5/94)
Pumped 120 BO 162 BW 34 MCF in 24 hrs

Subsequent workovers:
03/95 PB L Abo, open TUBB, acidz and scl sqz: set CIBP @ 7000'; spot 250 gal ammonium bicarb over 6971-6747' and sqz into perfs; acdz same perfs w/ 5k gal & RS; spot 100 gal amm bicarb over drkd perfs 6404-6585' and sqz into perfs, acdz same perfs w/ 4k gal and RS; perf TUBB 6244-48, 50-64, 77-94, 98-6302, 06-14, 50-76, 79-90, 97-6410'; acdz new perfs f/ 6244-6410 w/ 5k gal & 288 BS and RS bt stgs
Pumped 62 BO, 197 BW 70 mcf

6/96 Add DRKD perfs, scl sqz and acdz: perf DRKD w/ 2 jspf f/ 6522-6703' (170-.45" hls); rig up CT unit and treat TUBB-DRKD-U ABO f/ 6244-7000' w/ 10k gal 15% foamed acd; pumped 60 BO 88 BW, 30 MCF

3/98 acd stim: c/o from 6967-6989', TIH w/ sonnic hammer and acid wash perfs w/ 4k gal 15%; chem sqz w/ 110 gal TH-793

5/99: pump failure (scale in barrel)
6/99: pump failure (stuck w/ scale)
10/99: pump failure (sd in pump)

10/99 acidz and scale squeeze: rih w/ sonic hammer tool acdz perfs w/ 5k gal 15%; pump scl sqz via sonic hamm

1/01: tbg failure (eroded blast jt)

1/03: pump failure; pull tbg; bad csg - could not get 4.5" swedge

Tubb: 6244-6410'; acdz w/ 5k gal & 288 BS and RS(3/95)

DRKD: 6584-6604'; frac'd w/ 38k gal 40# XLG & 100k lbs 20/40 (5/94)
PROPOSED PERFS: 6610-34', 62-82' w/ 3 JSPF

U ABO: 6747-6971'; acdz w/ 6k gal (7/94)

L ABO: 7008-7223'; acdz w/ 7k gal (7/94)

Created by I da Silva
2/22/2010