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. 30-025-30877	
5. Indicate Type of Lease STATE ☒ FEE ☐	Fed
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)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other	7. Lease Name or Unit Agreement Name: West Dollarhide Drinkard Unit
	8. Well Number 098
2. Name of Operator: Chevron U. S. A. Inc.	9. OGRID Number: 4323
3. Address of Operator: 15 Smith Rd. Midland, TX 79705	10. Pool name or Wildcat: Dollarhide Tubb Drinkard

4. Well Location
Unit Letter I : 2546 feet from the South line and 161 feet from the East line
Section 30 Township 24S Range 38E NMPM Lea County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
3166' GL

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 ☐		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 cleanout, acidize and sand frac stimulate the Drinkard/upper Abo.

Please find attached, the intended procedure, well bore diagram and C-144 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 08/30/2012

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 9-5-2012
Conditions of Approval (if any):

SEP 05 2012

Workover Procedure
West Dollarhide Drinkard Unit
Dollarhide Field

WBS # UWDOL – R2295
WDDU 98

API No: 30-025-30877 **07/19/12**
CHEVNO: KX1751

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

Current Hole Condition:

Total Depth: 6950' PBTD: 6900' GL: 3166' KB: +14'

Casing Record:

11-3/4" 42# H-40 ST&C Csg set @ 1200'. Cmt w/ 1100 sx, circ to surface
5-1/2" 15.5# & 17# K-55 & L-80 LT&C csg set @ 6950'. Cmt in 2 stgs w/ 1475 sx cmt, did not circ. TOC @ 750' by TS

Existing Perforations:

Drinkard: 6542-6682'
Upr Abo: 6751-6870'

Proposed Perforations:

6526-6532'
6672-6682'
6715-6725'
6795-6805'
6834-6844'
6876-6886'

REGULATORY REQUIREMENTS: N/A
CONTACT INFORMATION:

Jamie Castagno	Production Engineer	Cell: 432-530-5194
Femi Esan	Geologist	Ph: 432-687-7731
Hector Cantu	Completions Engineer	Cell: 432-557-1464
Phillip R Minchew	Production Foreman	Cell: 432-208-3677
Aaron Dobbs	Production Specialist	Cell: 505-631-9071

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.

Prepared by: Jamie Castagno (07/19/12) Reviewed by: Hector Cantu (8/15/12)

Note: Well records indicate partial circulation was achieved with fresh water only. Plan to use fresh water during clean out.

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.

   Note: Well records indicate paraffin was encountered. Plan to hot-water rods if necessary prior to pull.

2. MIRU. Bleed well down or kill as necessary. Record SICP and SITP. **Caliper elevators and tubular EACH DAY prior to handling tubing/tools.** TOOH and LD rods & pump. Replace pump and bad rods.

- **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" 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. POOH 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 and LD bad joints (green and red).
5. PU/RIH with 4-3/4" MT bit, DC's on 2-7/8" on good production tubing. Tag and record fill depth. PU power swivel, C/O to PBTD (6900') or as deep as possible. Circulate well clean with fresh water. **Watch out for previous tight spots @ 4346-48' & 6551-61'.**

   Note: Well records indicate well was milled out to 6880'. Discuss with Remedial Engineer if tight spots are encountered. Plan to replace production string with workstring and mill.

   Note: 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 plan to pump scale converter.
6. POOH/LD bit and DC's.

7. MIRU e-line contractor. Install lubricator. PU and RIH w/ 3-1/8" **2 JSPF** 23 gram 120 deg casing guns and perforate the following intervals:

Top (ft)	Bottom (ft)	Length (ft)	# Shots
6526	6532	6	12
6672	6682	10	20
6715	6725	10	20
6975	6805	10	20
6834	6844	10	20
6876	6886	10	20
	Total	**56**	**112**

   - **Correlate depth with attached GR Log dated 10/06/1990.**

8. POOH and LD casing perforating guns. RD and release electric line unit.
9. PU/RIH with 5-1/2" treating PKR on 2-7/8" tubing hydrotesting all tubing (including any new joints) to 5800 psi (80% burst). Spot scale converter mixed with equal amounts water across all perfs per Chemical rep recommendation. Set PKR @ ~ 6500'. Load backside and pressure test to 500 psi. SI to soak overnight.
10. MIRU acid contractor. RU choke manifold to flowback tank. Test lines and equipment to 6000 psi. Pressure up backside to 500 psi. Monitor casing pressure throughout acid job. Bleed off if casing pressure exceeds 500 psi. **Set pop-off valve to 5800 psi. Maximum surface pumping pressure of 5500 psi.**
11. Acidize perforations from 6526-6886' with 8,000 gal 15% NEFe HCl in 2 or 3 stages dropping GRS between stages to divert at 1-2 PPG.
12. Flush tubing to bottom perforations. SI well for 2 hours allowing acid to spend. Record ISIP, 5, 10, & 15 minute SIP's.
13. Swab or flow back to recover 100% of treatment and load volumes, if possible. Kill tubing if necessary. Report acid volumes and pressures on morning wellview report
14. Release treating packer, POOH and LD packer. PU/RIH with notched collar and C/O any rock salt to PBTD (6900'). Circulate well with fresh water to dissolve remaining GRS. POOH/LD tubing and notched collar.
15. Close blind rams. Swap pipe rams from 2-7/8" to 3-1/2". Open blind rams. PU/RIH and set packer @ ~ 25' to test 3-1/2" pipe rams to 250 psi / 1000 psi.
16. Release packer, continue 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 6425' (approx 100' above top perfs). Pressure test annulus to 500 psi. Nipple up 10K tubing saver frac valve to BOP. Test frac valve to 8500 psi.
17. RDMO pulling unit.

18. Prior to job, verify compatibility of all frac fluids to reservoir fluids at temperature of 135° F and perform sand sieve analysis for sand distribution. Send results to Production and Remedial Engineers.
19. RU flowback crew if location permits. MIRU SLB frac equipment. Install pop-off valves downstream of SLB 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.**

    Note: Frac proposal is to include scale inhibitor ahead of the pads.
20. Establish pump rate into perforations with fresh water. Complete sand fracture treatment as per attached SLB procedure.

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

21. RDMO SLB. SION to allow sand to cure.
22. Flow back well through choke manifold until well dies.
23. MIRU pulling unit. Test 3-1/2" pipe rams to 500 psi against packer.
24. ND frac valve. Release packer. POOH and lay down 5-1/2" packer and 3-1/2" WS. Send 3-1/2" WS for inspection.
25. Close Blind rams. Change 3-1/2" to 2-7/8" pipe rams. Open blind rams. PU/RIH and set packer @ ~ 25' to test 2-7/8" pipe rams to 250 psi / 1000 psi. Release and LD 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.**

26. PU/ RIH with 4-3/4" MT bit, 3-1/2" DC's on 2-7/8" good production tubing. 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.
27. PU and RIH with production tubing as per ALCR recommendation.
28. ND BOP, set TAC per ALCR recommendation and NU WH.
29. RIH with rods, weight bars and pump per ALCR recommendation. RDMO pulling unit
30. Turn well over to production (see contacts on first page of procedure).

WELLBORE DIAGRAM WDDU 98

FIELD: West Dollarhide Drinkard Unit		**Well No: 98**	**FORMATION: DRKD, ABO**
LOC: 2546' FSL & 161' FEL	**Sec:** 30	GR 3166	**CURRENT STATUS:** OIPR
TOWNSHIP: 24S	**Cnty:** Lea	KB +14'	**API NO: 30-025-30877**
RANGE: 38E	**State:** NM	DF	**Chevno: KX1751**

SPUD: 09/23/1990

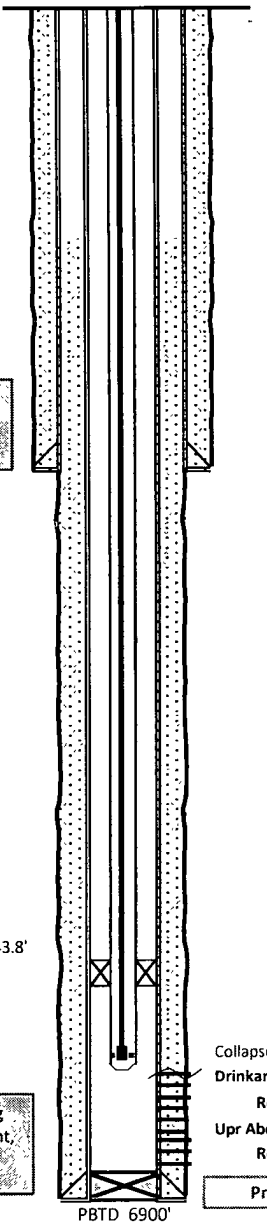
Date Completed: 10/18/1990	Initial Production:
Initial Formation: Tubb/Drinkard	-- BO, -- Mcf, -- BW
FROM: 6542' TO: 6896'	-- GOR, -- Sp Grv

Initial completion:
Perf & Acidize 6542-6869' in 2 stgs w/ 8 4k gal 15%

Subsequent workovers:
05/30/1996 Add Perfs & Acidize. Tbg collar stuck @ 6548'. Collapsed csg 6551-6552' Perforate 6598-6870' Acidize in 2 stgs w/ 9k gal 15%

01/20/1998 C/O Well. C/O fill 6882-6900' (PBTD) Run Sonic Hammer tool through perfs & acidized w/ 5k gal 15%

12/15/2011 C/O & Acidize RIH w/ bit, found tight spot @ 4346-48'; collapsed csg @ 6551-61'. C/O 6878-6880' (returns of scale and metal shavings) Acidize w/ 10k gal 15% & 4500# GRS Didn't feel any tight spots or salt when RIH to C/O after acid



11-3/4" 42# H-40 ST&C Csg set @ 1200' Cmt w/ 1100 sx, circ to surface

DV Tool @ 3993'

5-1/2" 15.5# & 17# K-55 & L-80 LT&C csg set @ 6950' Cmt in 2 stgs w/ 1475 sx cmt, did not circ. TOC @ 750' by TS

PBTD 6900'

TD: 6950'

Rod Detail 12/37/2011

Footage	Joints	Type
25 98	1	Polished Rod
12 00	3	Pony Rod, Grade D
1875.00	75	1" Grade 78 Rods
2050.00	82	7/8" Grade 78 Rods
2650 00	106	3/4" Grade 75 Rods
200 00	8	1 5" Sinker Bars
4 00	1	1" Pony Rod
25 98	1	1.5" Rod Pump @ 6843.8'

Tubing in Hole 12/37/2011

Footage	Joints	Type
6476 40	204	2-7/8" 6 5# J-55 Tbg
2 75	1	5-1/2" X 2-3/8" TAC @ 6490'
349 50	11	2-7/8" 6.5# J-55 Tbg
31 55	1	2-7/8" 6.5# J-55 PCID Tbg
0 87	1	2-7/8" (1.875" ID) SN
6861 1		Total Tubing String
14 00		KB
6875.1		Final HD

Collapsed Csg @ 6551-61'

Drinkard. 6542-46', 50-54', 66-70', 76-79', 81-5', 89-91', 6614-19', 28-31' w/ 1 JSPF (30')

Reperf 05/96: 6598-6632', 73-82' w/ 2 JSPF (43', 86 holes)

Upr Abo: 6751-55', 64-67', 72-76', 6856-60', 65-69' w/ 1 JSPF (19')

Reperf 05/96 6776-86', 6845-70' w/ 2 JSPF (35', 70 holes)

Proposed Perfs: 6526-32', 6672-82', 6715-25', 6795-6805', 6834-44', 6876-86'