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
AUG 09 2012
RECEIVED

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. 30-025-32771	
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 Injector	8. Well Number 152
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 M : 600 feet from the South line and 760 feet from the West line; Section 29 Township 24S Range 38E NMPM County Lea	
	11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3173'GR

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: Sqz casing C/O & 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.

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.

Chevron U. S. A. intends to find & sqz casg leak in subject well & C/O & acidize.

Please find attached, the intended procedure, well bore diagram, & C-144 info.

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

The Oil Conservation Division MUST BE NOTIFIED 24 Hours Prior to the beginning of operations

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 08/07/2012

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 8-10-2012

Conditions of Approval (if any):

AUG 13 2012

PROCEDURE:

1. **Notify NMOCD 48 hours prior to MIRU. Notify Baker Gel supervisor (432-59-3955) to test compatibility of the MARA-SEAL treatment with the source fresh water.**
2. Ensure location is in appropriate condition, anchors have been tested within the last 24 months and power line distance has been verified to determine if variance is needed.
3. Check and record SITP and SICP on wellview. Determine kill fluid weight. RU slickline and attempt to set blanking plug. Bleed off pressure.
4. MIRU.

➢ **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.**

5. ND WH. NU 5K BOP with blinds in bottom and 2-3/8" pipe rams in top.
6. Release on/off tool. LD 2 top joints. PU/RIH packer and set it ~ 25'. Test BOP pipe rams to 250 psi/1000 psi. Release and LD packer. PU/RIH 2 top joints back in the hole. POOH scanning all 2-3/8" injection tubing. Plan to replace on/off tool and injection packer. LD any bad joints (green and red). Do not release injection packer with injection string to avoid damaging IPC.

➢ **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.**

7. PU/RIH with on/off tool overshot on 2-7/8" 6.5# L80 WS. Latch and release packer. POOH and LD injection packer.
8. PU/RIH with 4-3/4" MT bit, 3-1/2" DC's on 2-7/8" 6.5# L80 WS. RIH and tag for fill (note fill depth on report). PU power swivel and C/O to PBTD (7030') and circulate well clean.

   Note: Inspect returns and turn samples to Baker Chem Rep & ALCR for analysis and treatment recommendation. If there is evidence of sulfate scale, scale converter will be spotted prior to the acid job stage. Pump scale converter per Baker recommendations.

9. POOH and LD bit.
10. Isolate casing leak interval(s) by dumping sand in wellbore to plug back current perforations to +/- 6460'. Tag to verify sand top is within desired depth. Dump and bail 10' of cement on top leaving TOC ~ 6450'.
11. PU/RIH with 5-1/2" treating packer on 2-7/8" 6.5# L80 WS and set it 6210' (10' above previous packer depth). Hydrotest WS in the hole to 6000 psi.
12. Load and test casing to 500 psi. Monitor backside for communication. Perform pump-in test prior to treatment – communicate results to Remedial Engineer and Baker Gel

supervisor (432-59-3955) for a squeeze recommendation. **Do not plan to shoot squeeze perforations prior to test.**

13. Follow attached treatment recommendation from Baker Hughes for squeezing casing leaks with MARA-SEAL gel. Shut-in well for 2 days or as recommended by Baker Hughes.

14. Release packer and POOH.

15. PU/RIH with 4-3/4" MT bit, 3-1/2" DC's on 2-7/8" 6.5# L80 WS. RIH and tag for gel (note depth on report). PU power swivel and C/O to PBTD (7030') and circulate well clean. POOH.

16. PU/RIH with 8 joints tailpipe, 5-1/2" treating packer on 2-7/8" 6.5# L80 WS. Set packer at 6210' leaving EOT ~ 6460'. Load and test casing to 500 psi.

17. MIRU acid contractor. Monitor casing pressure throughout acid job. Bleed off if pressure exceeds 500 psi during acid job. RU choke manifold to flowback tank. Acidize perforations (6464-7010') with 12,000 gals NEFe 15% HCl in 5 stages dropping *graded rock salt* (GRS) between stages to divert at 1-2 PPG. Flush to bottom perf @ 7010'. Maximum pumping pressure is 5000 psi. Set pop-off in pump to less than 5500 psi.

18. Record ISIP, 5, 10, & 15 minute SIP's. Allow acid to spend 2 hours. Flow well back on a choke.

19. Flow or swab back to recover acid volume. Kill tubing with 10 ppg brine if necessary. Report acid volumes and pressures on morning wellview report. Release packer. POOH and LD packer.

20. PU and RIH with notched collar and C/O to PBTD flushing remaining salt with fresh water. POOH and LD WS.

- **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.**

21. PU and RIH with new 5-1/2" AS-1X nickel-coated IPC as injection packer, with pump-out plug (rated 1500#), on/off tool with 1.81" 'F' stainless-steel profile nipple on 2-3/8" 4.7# J-55 IPC injection tubing. RIH hydrotesting all tubing to 6500 psi. Set injection packer above all bad casing at ~ 6210'. Test casing to 500 psi for 5 minutes.

22. Load tubing. Disengage on/off tool, reverse circulate packer fluid. Engage back on/off tool. Perform preliminary MIT testing to 500 psi for 30 minutes.

23. ND BOP, NU WH.

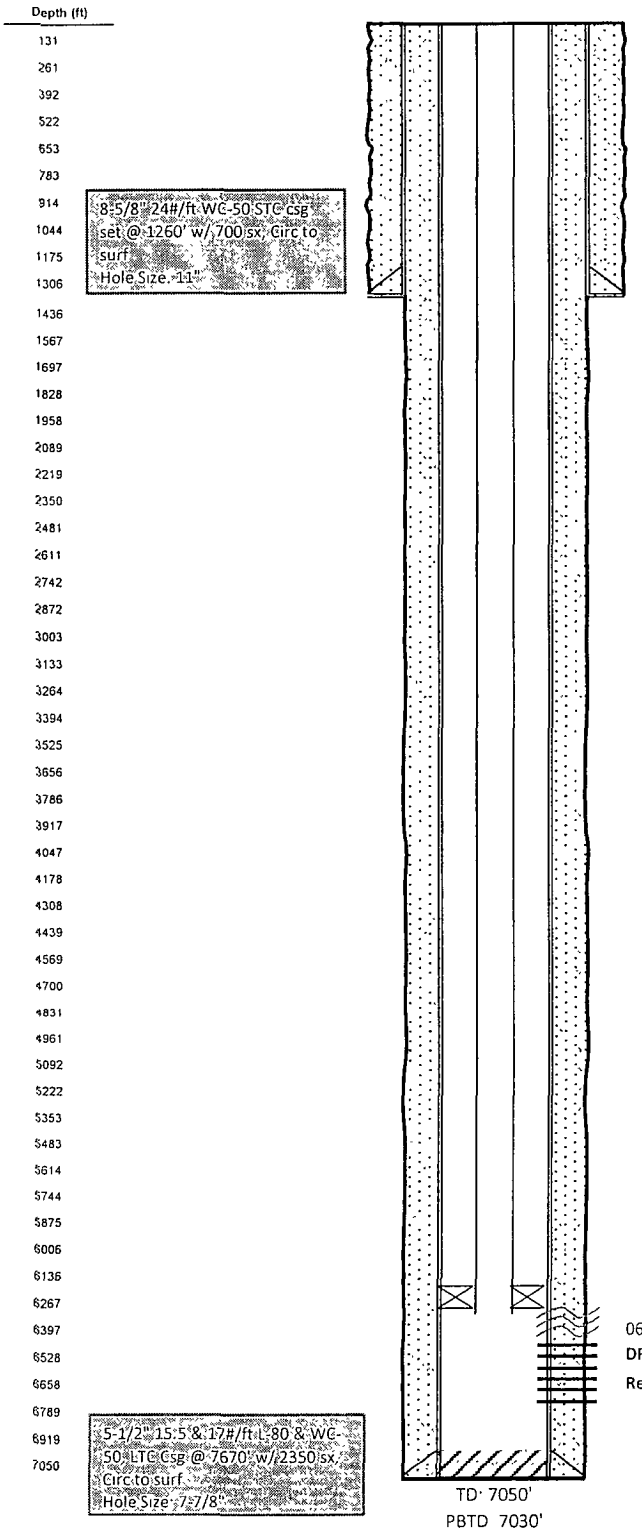
24. Pump down tubing to shear-off pump-out plug.

25. Conduct MIT (mechanical integrity test). Pressure test casing to 500 psi and record chart for 30 minutes. **Notify NMOCD of MIT with 4 hours advance notice with rig on well.**

26. RDMO. Turn over well to operations (contacts in front page).

WELLBORE DIAGRAM CURRENT WDDU 152

FIELD: West Dollarhide Drinkard Unit		Well No: 152	FORMATION: DRKD
LOC: 600' FNL & 760' FEL	Sec: 29	GR. 3166'	CURRENT STATUS Injector
TOWNSHIP: 24S	Cnty: Lea	KB 3187'	API NO 30-025-32771
RANGE: 38E	State: NM	DF '	Chevno BC1105



SPUD 4/02/95

Date Completed: 4/29/95	Initial Production:
Initial Formation Drkd	-- BO, -- Mcf, -- BW
FROM: 6464' TO: 7010'	-- GOR, -- Sp Grv

Initial completion:
Log and perf DRKD 6464-6641', acdz w/ 7500 gal 15% NEFe, injection began May 1995

Subsequent workovers:
10/27/99 Well communicated MIRU, Tag @ 6511' & CO to 6663', all scale, TIH w/ sonic hammer and acdz w/ 5000 gal 15% NEFe Set pkr @ 6311' and test to 500 psi for 30 min, held OK RTI 11/29/99 201 BWPD @ 1295 psi

11/12/01: Test csg to 500 psi for 30 min, held OK, pkr set @ 6268' RTI

08/2003: Set CIBP @ 6255' spot 48 bbls 18# mud to bottom of hole; PU and set CIBP @ 6224', test csg to 500# for 30 min, held OK Well is TA w/ no tubing in hole. NOTE: 1900 psi water flow under CIBP, need to weight up before drilling out CIBP

03/2011 Cleaned out to PBTD @ 7030' Re-Perforated Drinkard from 6564-7010' Acidized w/ 10,000 gals 15% HCl in 5 stages. Set pkr at 6220' Pumped 160 bbls prk fluid

06/2011 Injection profile run Shows possible hole in csg from 6300-6440' No flow inside pipe below 6598'

04/2012 Test csg to 500 psi for 30 min, held OK, pkr set @ 6220'

ISSUES (11/99) Attempted to set pkr @ 6401' no hold, set pkr @ 6311' and held Contacted NMOCD for permission to set pkr at this point & was granted permission

Tubing in Hole 3/4/2011

Footage	Joints	Type
31.85	1	2-3/8"7.7# IPC 8RD Tubing
14.36	3	2-3/8" IPC Tubing SUBS
6143 00	195	2-3/8" IPC 8RD Tubing
1 70	1	2-3/8" On-Off Tool
7 20	1	5-1/2" Packer
4 03	1	2-3/8" Mule Shoe
6202 14		Total Tubing String
21 00		BKDB
6223.14		Final HD

PKR set @ 6220'
06/2011. Probable holes in csg 6300-6440'
DRKD (4/95) 6464-6641'; 352 hls 4 JSPF
Re-Perf (01/11) 6564-76', 78-86', 6664-80', 90-6706', 12-34', 42-58', 76-6800', 10-40', 70-88', 6970-80', 84-90', 96-7010' (785 shots)

Update J Castagno
4/11/2012