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

State of New Mexico
Energy, Minerals and Natural Resources

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

HOBBS OCD
SEP 13 2012
RECEIVED

Form C-103
Revised August 1, 2011

WELL API NO. 30-025-32371	
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 142
2 Name of Operator CHEVRON U.S.A. INC.	9. OGRID Number 4323
3. Address of Operator 15 SMITH ROAD, MIDLAND TX 79705	10. Pool name or Wildcat DOLLARHIDE TUBB DRINKARD
4. Well Location Unit Letter J : 1400 feet from the SOUTH line and 2580 feet from the EAST line Section 29 Township 24S Range 38E NMPM County LEA	
11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3219 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: CLEANOOUT, ACIDIZE AND SAND FRAC ☒		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 subject well.

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 09/12/2012

Type or print name Scott Haynes E-mail address: toxo@chevron.com PHONE: 432-687-7198

For State Use Only

APPROVED BY: TITLE DISTRICT SUPERVISOR DATE 9-13-2012

Conditions of Approval (if any):

SEP 13 2012

Workover Procedure
West Dollarhide Drinkard Unit
Dollarhide Field

WBS # UWDOL – R2320
WDDU 142

API No: 30-025-32371 **08/28/12**
CHEVNO: QU2063

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

Current Hole Condition:

Total Depth: 7675' PBTD: 6709' (RBP) GL: 3129' KB: +13'

Casing Record:
8-5/8" 24# @ 1211' w/ 525 sx, circ 164 sx
5-1/5" 15.5 & 17# WC-50 & L-80 @ 7676' w/ 2150 sx, Circ 330 sx

Existing Perforations:
Tubb: 6332-6674'
Drinkard: 6578-6682'
RBP set @ 6720' on 12/96
Abo: 6760-7523'

REGULATORY REQUIREMENTS:
Notify NMOCD 24 hrs prior to rigging up

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

Prepared by: Jamie Castagno (08/28/12) Reviewed by: Hector Cantu (8/29/12)

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/LD rods & pump. Plan to replace pump and bad rods.

➢ **Caliper elevators and tubular EACH DAY prior to handling tubing/tools and anytime size changes.**

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, 3-1/2" DC's on 2-7/8" 6.5# good production tubing. Tag and record fill depth. PU power swivel, C/O to top of RBP/fill (~6720') and circulate well clean. **Note: Well history indicates a fish @ 6731' was workover on 1/13/2009.** Attempt to C/O past 6720' if well permits.

   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.

   Note: If it's required to spot scale converter for HCL Acid solubility discuss with Remedial Engineer to perform additional run prior to Acid job.

6. POOH LD bit and BHA.
7. MIRU wireline. RU lubricator for pressure control. RIH with 5-1/2" CIBP and set ~ 10' above the RBP or fish if applicable. **Dump bail 35' (29 gallons) of cement on top of CIBP per regulatory requirements leaving TOC ~ 6675'.** POOH wireline, RDMO wireline unit.
8. PU/RIH with 5-1/2" treating packer on good 2-7/8" production tubing hydrotesting to 5800 psi (80% burst of J-55) in the hole. Spot scale converter mixed with equal amounts water across all perfs per Chemical rep recommendation. Set PKR @ ~ 6300'. Load backside and pressure test to 500 psi.
9. Swab or flow back to recover 100% of treatment and load volumes, if possible. Kill tubing if necessary.
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 less than 5500 psi. Maximum surface pumping pressure of 5500 psi.**
11. Acidize perforations from 6332-6682' with 8,000 gal 15% NEFe HCl 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 (6675'). Circulate well with fresh water to dissolve remaining GRS. POOH/LD tubing.
15. Close blind rams. Change 2-7/8" pipe rams to 3-1/2" pipe rams. Test BOP pipe rams to 250 psi/ 1000 psi.
16. PU/RIH with 10' blast joint sub, 10K 5-1/2" AS-1X treating packer on 3-1/2" 9.3# L-80 workstring. Hydrotest tubing to 8000 psi while RIH. Set packer at ~ 6250'. 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 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 up 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.
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.**

26. PU/ RIH with 4-3/4" MT bit, 3-1/2" DC's on good 2-7/8" 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).

WEST DOLLARHIDE DRINKARD UNIT #142

FIELD. West Dollarhide Drinkard Unit		**Well No:** 142	**FORMATION·** TUBB/DRKD
LOC: 1400' FSL & 2580' FEL	**Sec:** 29	GR 3129'	CURRENT STATUS Producer
TOWNSHIP. 24S	**Cnty:** Lea	KB +13'	API NO 30-025-32371
RANGE: 38E	**State** NM	DF '	Chevno QU2063

8-5/8" 24# @ 1211' w/ 525 sx, circ 164 sx
Hole Size: 11"

SPUD 5/22/1994

Date Completed: 6/17/94	Initial Production
Initial Formation: Drkd, Abo	BO, Mcf, BW
FROM: 6619-7523'	GOR, - Sp Grv

Initial completion:
Perf Upr & Lwr Abo 6760-7523' Acidize in 2 stages w/ 10k gal 15% Perf Drkd 6619-43" Attempt to sand frac dnnkard, but unable to due to high pressures Break down form w/ 2 5k gal & 240 ball sealers, then carry out frac C/O sand 6617' - RBP @ 6710' Rel RBP

Subsequent workovers:
12/1996 PB to test Drkd Set RBP @ 6720'

04/1997 Add Perfs & Acid Frac Tag btm @ 6720' (RBP) Spot 10' sand on RBP Perf Drkd 6578-6682' Acid frac perfs w/ 24k gal CO2 foamed acid & 42k gal CO2 foamed WF-140

08/2000 Acidize & Scale Sqz Tag PBTD @ 6690' Acidize Drkd perfs through sonic hammer tool w/ 4k gal 15%

12/2008 Tbg Failure, Attempt to Remove CIBP Tbg stuck, cut below TAC Recovered all but 5' of mud anchor D/O remaining mud anchor and CIBP, could not make progress Attempt to spear fish @ 6731'- unsuccessful Perforate & acidize 6332-6674' PBTD = 6709' RTP

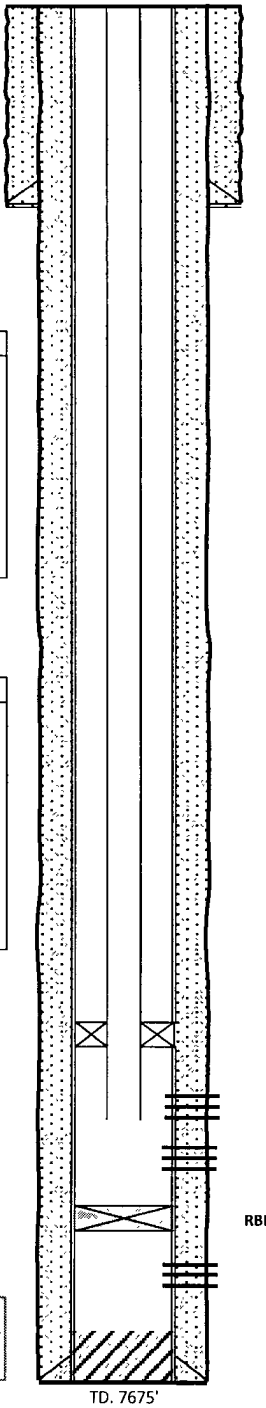
Rod Detail: 01/19/2009

Footage	Joints	Type
24	1	1 5" Polished Rod
18	4	1" Pony Rods
1600	64	1" Grade 75 Rods
1800	72	7/8" Grade 75 Rods
2875	115	3/4" Grade 75 Rods
300	12	1 5" K- Bars
4	1	7/8" Pony Rod
24	1	1.5" Rod Pump @ 6683'

Tubing in Hole. 01/19/2009

Footage	Joints	Type
6235 20	191	2-7/8" 6 5# J-55 Tbg
2 85	1	5-1/2" X 2-7/8" TAC @ 6237'
444 78	14	2-7/8" 6 5# J-55 Tbg
0 85	1	2-7/8" SN
23 85	1	SS
2 65	1	Bull Plug
6710 2		Total Tubing String
13 00		KB
6723 2		Final HD

Formation Tops:
T Anhy @
Salt @
Base of Salt @
Yates @ '
Queen @
San Andres @ '
Glorietta @
Tubb @
Dnnkard @
Abo @
Fullerton @



TUBB: 6332-48', 6412-32', 6580-6604', 50-74' w/ 2 JSPF (84', 168 holes)

DRKD 6619-43' w/ 6 JSPF (24')

Re-Perf (04/97) 6578-84', 98-6614', 46-66', 72-82' w/ 2 JSPF (52', 104 holes)

RBP @ 6720'

ABO: 6760-7523' w/ 2 JSPF (330 holes)

5-1/5" 15.5 & 17# WC-50 & L-80 @ 7676' w/ 2150 sx, Circ 330 sx
Hole Size: 7-7/8"

TD. 7675'
PBTD. 6709'