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1000 Rio Brazos Rd., Aztec, NM 87410
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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

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED

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.)		WELL API NO. 30-025-12328
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other INJECTION <input checked="" type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator CHEVRON U.S.A. INC.		6. State Oil & Gas Lease No.
3. Address of Operator 15 SMITH ROAD, MIDLAND TEXAS 79705		7. Lease Name or Unit Agreement Name WEST DOLLARHIDE DRINKARD UNIT
4. Well Location Unit Letter B : 660 feet from the NORTH line and 1980 feet from the EAST line Section 32 Township 24S Range 38E NMPM County LEA		8. Well Number 43
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		9. OGRID Number 4323
		10. Pool name or Wildcat DOLLARHIDE TUBB DRINKARD

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: toxox@chevron.com

PHONE: 432-687-7198

For State Use Only

APPROVED BY [Signature]
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 – R3259
WDDU 43

API No: 30-025-12328
CHEVNO: FB3267

04/05/13

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

Current Hole Condition:

Total Depth: 6950' PBTD: 6763' GL: 3199' KB: +21'(?)

Casing Record:

13-3/8" 36# csg set @ 310' w/ 290 sx; Circ'd
9-5/8" 32.3 & 36# csg set @ 3150' w/ 350 sx; DNC
5-1/2" 14 & 15.5# set @ 6715' w/ 125 sx cmt + 125 cu. ft. perlite; DNC
4" 11.34# K-55 FJ liner set @ 6833' w/ 250 sx; TOL @ 4737'

Tubing Record:

204 - 2-3/8" IPC tubing
1 - On/Off Tool w/ 1.43" Profile
4" Loc-Set Pkr @ 6424'

Existing Perforations:

Drinkard: 6524-6680'

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 dropping 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. Prior to rig up check tubing pressure and record. If injector is stable at a low pressure or dead proceed to step 8. Otherwise proceed to 7a. Note that all perms are likely covered by fill.
 - a. Prior to MIRU workover rig. Make a slickline gauge ring run and then set 1.43" 'F' blanking plug at ~6424'. Test blanking plug w/ 500 psi over SITP.
 - b. MIRU. Reference SI pressures on Wellview report. Calculate density of kill fluid necessary for well control purposes.

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.

- c. ND WH, NU 7-1/16" 5K Hydraulic BOP with 2-3/8" pipe rams on top and blind rams on bottom. Perform a pressure test on the BOP against injection packer to 250/500 psi for 30 min as a preliminary casing test. **Notify RE if test fails indicating possible casing leaks among other issues.** Release on/off tool, LD 2 joints. PU/RIH with 5-1/2" 14-15.5# rated packer and set ~ 25'. Test BOP pipe rams to 250/1000 psi against packer.
- d. Displace packer fluid with kill weight fluid throughout the wellbore.
 - A. If kill weight mud >10 ppg is needed notify RE if the WSM believes a workstring with a drain sub would be best.
- e. Latch back onto the On/Off tool.
- f. Punch blanking plug or equalize pressure and retrieve blanking plug on slickline.
- g. Release Loc-Set Packer, and POOH/ LD all injection tubing. Plan to replace. Tally pipe out of the hole to verify depths.
 - A. There are no records of MOD collars, but due to the 4" liner be prepared w/ the correct handling tools.

- B. Injection tubing will be replaced, so it can be worked without worrying damaging it. If packer will not release, plan on getting off on/off tool and retrieving packer on workstring.
 8. In stable hole or low pressure situation.
 - a. MIRU workover rig.
 - b. Flow down well and kill w/ brine if necessary. Monitor well for 30 minutes.
 - c. 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 if necessary. LD 2 joints. PU/RIH with 5-1/2" 14-15.5# rated packer and set ~ 25'. Test BOP pipe rams to 250/1000 psi against packer.
 - A. There are no records of MOD collars, but due to the 4" liner be prepared w/ the correct handling tools.
 - B. Injection tubing will be replaced, so it can be worked without worrying damaging it. If packer will not release, plan on getting off on/off tool and retrieving packer on workstring.
 - d. POOH/ LD all 2-3/8" injection tubing. Tally pipe out of the hole to verify depths.

➤ **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.**
 9. PU/RIH with 3-1/8" MT bit (liner is 3.303" drift) on 2200' of 2-3/8" L-80 PH-6 (or CS Hydril) WS and 2-3/8" L-80 WS. RIH and tag for fill (note fill depth on report). Fill is expected above perforations at 6432'. PU power swivel and C/O to current PBTD (6790') and circulate well clean. POOH w/ workstring.
 - ❖ **Well has no known bad casing, but the perforations have not been cleaned out since 1994. There is possible junk/cmt reported at 6763'.** Contact RE for plan forward if cement or formation begin showing in returns.
- Note: Inspect returns and turn samples to Baker Chem Rep & ALCR for analysis and treatment recommendation.
- **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.**
 10. MIRU wireline contractor. 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 below depths w/ **6 JSPF**, 2-1/2" slick gun, .40" entry hole, 60 deg phasing. Correlate with attached log dated 12/20/1972.
 - a. Drinkard: 6606-14', 6620-24', 6630-42', 6648-54', 6668-80'

Ensure that fluid level is at least 100' above perforations
 11. POOH/LD perforating guns.
 12. MIRU propellant contractor. Load propellant guns. RIH w/ guns and complete propellant treatment per procedure. Correlate with attached log dated 12/20/1972.

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.**

13. TIH with new 4" AS-IX nickel-coated IPC as injection packer, with pump-out plug (rated 1500#), on/off tool with 1.43" 'F' stainless-steel profile nipple on 2-3/8 premium thread and 2-7/8" 8RD workstring w/ perforated sub on bottom. Set top of injection packer @ +/- 6424' (~10' above depth of previous set). Load tubing and casing. Perform preliminary MIT testing to 500 psi for 30 minutes. Circulate packer fluid. Release On/Off tool and TOH w/ workstring.
 - a. If a perforated sub for the premium connection is not available, release off on/off tool and circulate packer fluid.
 - b. If well has been dead throughout the workover, the injection packer can be set w/ injection tubing. Consult w/ RE if desired.
14. TIH w/ new 2-3/8" J-55 2-3/8" 4.7# TK15 injection tubing w/ on off tool hydrotesting to 5000#. Latch back onto the packer and space out.
15. ND BOP, NU WH. Pump down tubing to shear-off pump-out plug.
16. 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.**
17. RDMO. Turn over well to operations (contacts on first page).

West Dollarhide Drinkard # 43

Location:
66' FNL & 1980' FEL
Section: 32
Township: 24S
Range: 38E Unit: B
County: Lea State: NM

Well ID Info:
Chevno: FB3267
API No: 30-025-12328
Compl. Date: 3/24/54

Elevations:
GL: 3199'
KB: 3220'
DF:

13-3/8" 36# csg set @ 310' w/
290 sx; Circ'd

9-5/8" 32.3 & 36# csg set @ 3150' w/
350 sx; DNC

Perf 2 holes @ 3290' & sqz w/ 700 sx cmt

TOL @ 4737'

Tubing Detail (10/1994)

204 2-3/8" IPC tubing
1" On/Off Tool w/ 1.43" Profile
4" Loc-Set Pkr @ 6424'

Hole in 5-1/2" csg @ 4870', sqz w/ 400 sx

Fill tagged @ 6432'

5-1/2" 14 & 15.5# set @ 6715' w/ 125 sx cmt +
125 cu. ft. perlite; DNC

4" 11.34# K-55 FJ liner set @ 6833' w/ 250 sx;
TOL @ 4737'

Initial Completion

Acidized perfs w/ 4000 gal; Acdz OH w/ 6000 gal
PT: 99 BO, 0 BW, GOR 695

Subsequent Workovers

11/1957: Acid frac OH w/ 10,000 gal Petro-frac
03/1958: Acid frac Drkd perfs w/ 10,000 gal gelled acid w/ 1#
sd
03/1961: Add Tubb perfs. Acdz new perfs w/ 500 gal &
10,000 gal gal acid frac w/ 1# sd
09/1969 Convert to WI: Clean out 6896-6950'. Begin
injection
01/1972 PB & Sqz: Clean out fill 6776-6950'. Spot 75 sx cmt
in OH. Squeeze perfs 6180-6426' w/ 350 sx. Found hole in
csg @ 4870' cmt w/ 400 sx. DO cmt, test sqz- failed. Resqz
perforations 6180-6426' w/ 100 sx. DO cmt, test sqz- failed
Resqz perforations w/ 300 sx cmt. DO cmt, test sqz- OK. CO
to 6834'
12/1972 Install Liner: CO to PBTD. Run & cmt 4" liner 4737-
6833'. Perf liner 6586-6771'. Acdz w/ 1500 gal & 30 BS. RTI
07/1976 Re-perf: CO to 6760'. Re-perf 6607-6756'. Acdz w/
7500 gal, 1000# GRS & 40 BS.
05/1979 Re-cmt: CO to 6724'. Set CMR @ 6438'. pump 400
sx. Cmt'd tbg in place, cut @ 6396'. Run CBL. Perf 2 holes in
5-1/2" @ 3290' & sqz w/ 700 sx cmt. DO CMT & cmt 6423-
6710'. Temp survey showed inj going into perfs 6620-6702'.
RTI
08/1992: CO to 6790'. Test liner top & 5-1/2" csg- OK
10/1994: CO/ push junk down to 6763'. Perf 6524-6680' &
acdz w/ 1000 gal & 500# GRS. Pressure test liner top- 2000#
to 0# in 8 mins (no enough bleedoff to cmt with micro-fine
cmt). RTI
07/2012: Tagged fill @ 6432'

Tubb (03/61): 6180-6426'; **SQZD 01/72 & BEHIND LINER**
Drinkard (10/94): 6524-6680 w/ 2 JSPF (168 holes)
Drinkard (12/72): 6586-6771' w/ 1 JSPF (16 shots); **SQZD 05/79**
Drinkard: 6584-6690'; **BEHIND LINER**
Drinkard (07/76): 6607-6756' w/ 1 JSPF (42 shots); **SQZD 05/79**

OH 6715-6950'; **BEHIND LINER**
01/72: Cmt OH 6834-6950'

PBTD 6763'
TD 6950'

Updated: 04/01/13
by jxxf