

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103

Revised August 1, 2011

HOBBS OCD

OIL CONSERVATION DIVISION

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

AUG 24 2012

RECEIVED

WELL API NO.

30-025-10162

5. Indicate Type of Lease

STATE ☐FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

ROLLON BRUNSON

8. Well Number 6

9. OGRID 4323

10. Pool name or Wildcat

PENROSE; SKELLY GRAYBURG

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

2. Name of Operator
CHEVRON U.S.A. INC.

3. Address of Operator
15 SMITH ROAD, MIDLAND, TEXAS 79705

4. Well Location

Unit Letter B: 536 feet from the NORTH line and 2104 feet from the EAST line

Section 10

Township 22-S

Range 37-E

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:

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: INTENT TO SONIC HAMMER, ACIDIZE, SC SQZ

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. IN. INTENDS TO SONIC HAMMER, ACIDIZE, & SCALE SQUEEZE THE SUBJECT WELL.

PLEASE FIND ATTACHED, THE INTENDED PROCEDURE, WELLBORE DIAGRAM, & 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

TITLE: REGULATORY SPECIALIST

DATE: 08-22-2012

Type or print name: DENISE PINKERTON

E-mail address: leakejd@chevron.com

PHONE: 432-687-7375

APPROVED BY:

TITLE

DATE

8-28-2012

Conditions of Approval (if any):

AUG 28 2012

Rollon Brunson #6 – [30-025-10162]
Penrose Skelly field
T22S, R37E, Section 10
N 32° 24' 43.5954", W -103° 8' 56.0034" (NAD27)
Job: Sonic Hammer, Acidize & Scale Squeeze

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 SAFELY what is best for the well. In the extent that this procedure does not reflect actual operations, please contact RE, PE and Superintendent for possible MOC.

Procedure:

1. MI & RU Workover unit.
2. Verify that well does not have pressure/flow. If well has pressure, record tubing and casing pressures on WellView report. Bleed down well; if necessary, kill with cut brine fluid (8.6 ppg).
- **Caliper elevators and tubular EACH DAY prior to handling tubing/rods/tools. Note in JSA & WellView when and what items are callipered within the task step that includes that work.**
3. Unseat pump. POOH with rods & pump. Examine rod string for paraffin/corrosion. Do not hot water, unless significant paraffin is seen. ND wellhead, unset TAC, NU BOP.
4. POOH & LD 1 joint, PU 7" packer and set @ ~ 25'. Close and test BOP pipe rams to 250psi (low)/500psi (high). Record testing pressures on WellView report. Release and LD packer.
5. PU tubing and run back in hole to tag for fill.
 Depths: (TAC 3,523', Bottom Perfs 3,950', EOT 4,185', PBTD 5,375')
6. RU Scanners and POOH while scanning all 2-7/8" 6.5# J-55 production tubing. LD all non-yellow band joints. If fill is tagged:
 - a. Above 4,000' proceed to step #7.
 - b. Below 4,000' skip to step #9.

Strap pipe out of the hole to verify depths. Send scan report to trij@chevron.com.

- **Caliper elevators and tubular EACH DAY prior to handling tubing/rods/tools. Note in JSA & WellView when and what items are callipered within the task step that includes that work.**

7. PU and RIH with 6-1/8" Milled Tooth (MT) Bit, 4 (3-1/2') drill collars on 2-7/8" 6.5# L-80 Workstring. RU power swivel and C/O to 4,000'. POOH with 2-7/8" WS and bit. LD bit and BHA.

Note: If circulation is not expected/achieved, notify Routine WW Planner to discuss C/O with bailer (proceed to step #8).

8. PU and RIH with 6-1/8" MT and Bulldog bailer on 2-7/8" 6.5# L-80 WS. Clean out to 4,000'. POOH with 2-7/8" WS and bit. LD bit and BHA.

- **Expect trapped pressure inside tubing while breaking connections during bailing operations, discuss on JSA and mitigate hazard. Use mudbucket (remove bottom seals if applicable) while breaking connections.**
- 9. Contact sonic tool representative to be on-site during job. PU and RIH with Sonic Hammer tool and 2-7/8" Workstring to 3,960' or enough depth to cover the bottom perforations (@ 3,950') with a whole stand. Hydrotest tubing to 6,000 psi. Stand back tubing to top perforations (@ 3,656'). Install stripper head and stand pipe with sufficient treating line to move tools vertically ~ 65'. RU pressure gauges to allow monitoring of tubing and casing pressures during job.
- 10. MI and RU Petroplex equipment. Titrate acids and verify concentration ($\text{HCl} \pm 1.5\%$). Treat all intervals from 3,655' to 3,955' with 20 bbls of 8.6 ppg cut brine water per interval (**see Table 1**). Pump down Sonic Hammer tool at 5 BPM while reciprocating tool across intervals. Do not exceed 5,000 psi tubing pressure. Leave annulus open in circulation mode while treating intervals with brine water.

Perf Intervals for Acid			
Interval (#)	Depth	Net Feet (ft)	Acid Volume (gal)
1	3,655' - 3,715'	60	1,000
2	3,725' - 3,785'	60	750
3	3,820' - 3,885'	65	1,250
4	3,900' - 3,955'	55	1,000
Total		240	4,000

Table 1

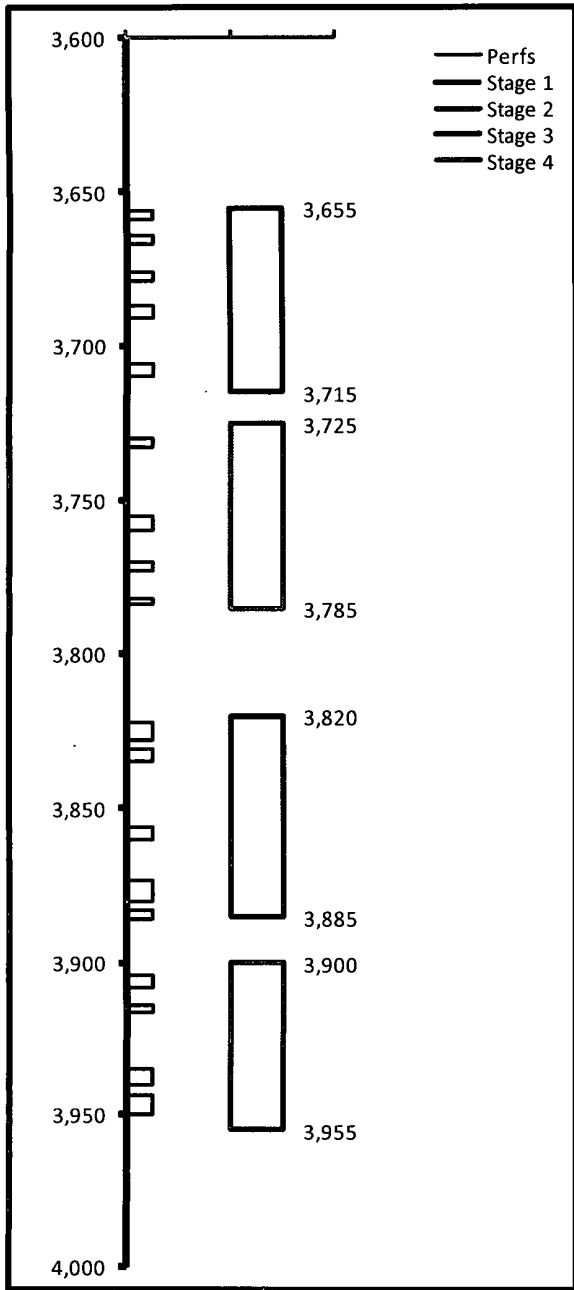
- 11. Follow the brine water wash with 4,000 gals 15% NEFE HCl of total acid for all intervals. Spot 3 bbls of acid outside tubing, shut in casing, pump 1,000 gals of acid @ 5 BPM over first treating interval from 3,655' – 3,715', monitor casing pressure not exceeding 500 psi on backside. Flush tubing with brine water after every acidizing interval, make a connection and continue with remaining interval. **Refer to Table 1.**
- 12. Shut in well for 1 hr to allow time for acid to spend. Monitor and bleed off excess pressure at surface if necessary to keep casing pressure below 500 psi.
- 13. Scale squeeze well with a total of 150 bbls 8.6 ppg brine water mixed with 2 drums (110 gallons) Baker SCW-358 Scale Inhibitor Chemical. Pump down Sonic Hammer tool at a max rate of 5 BPM. Start from lowest interval of 3,955' – 3,900' and continue moving uphole per pump schedule (**see Table 2**). Ensure top of tubing is flushed with brine water before making a connection.

Scale Squeeze Pump Schedule					
Step	Interval (ft)	Max Rate (BPM)	Volume Brine (bbl)	Volume Scale Chem. (gal)	Cum Volume (bbl)
1	Pump Chemical/brine while moving from 3955' - 3900'	5	6	25	7
2	Pump Brine while moving from 3955' - 3900'	5	24		31
3	Move pipe to next interval of 3885' - 3820'				31
4	Pump Chemical/brine while moving from 3885' - 3820'	5	10	40	42
5	Pump Brine while moving from 3885' - 3820'	5	35		77
6	Move pipe to next interval of 3785' - 3725'				77
7	Pump Chemical/brine while moving from 3785' - 3725'	5	5	20	82
8	Pump Brine while moving from 3785' - 3725'	5	20		102
9	Move pipe to next interval of 3715' - 3655'				102
10	Pump Chemical/brine while moving from 3715' - 3655'	5	6	25	109
11	Pump Brine while moving from 3715' - 3655'	5	44		153

Table 2

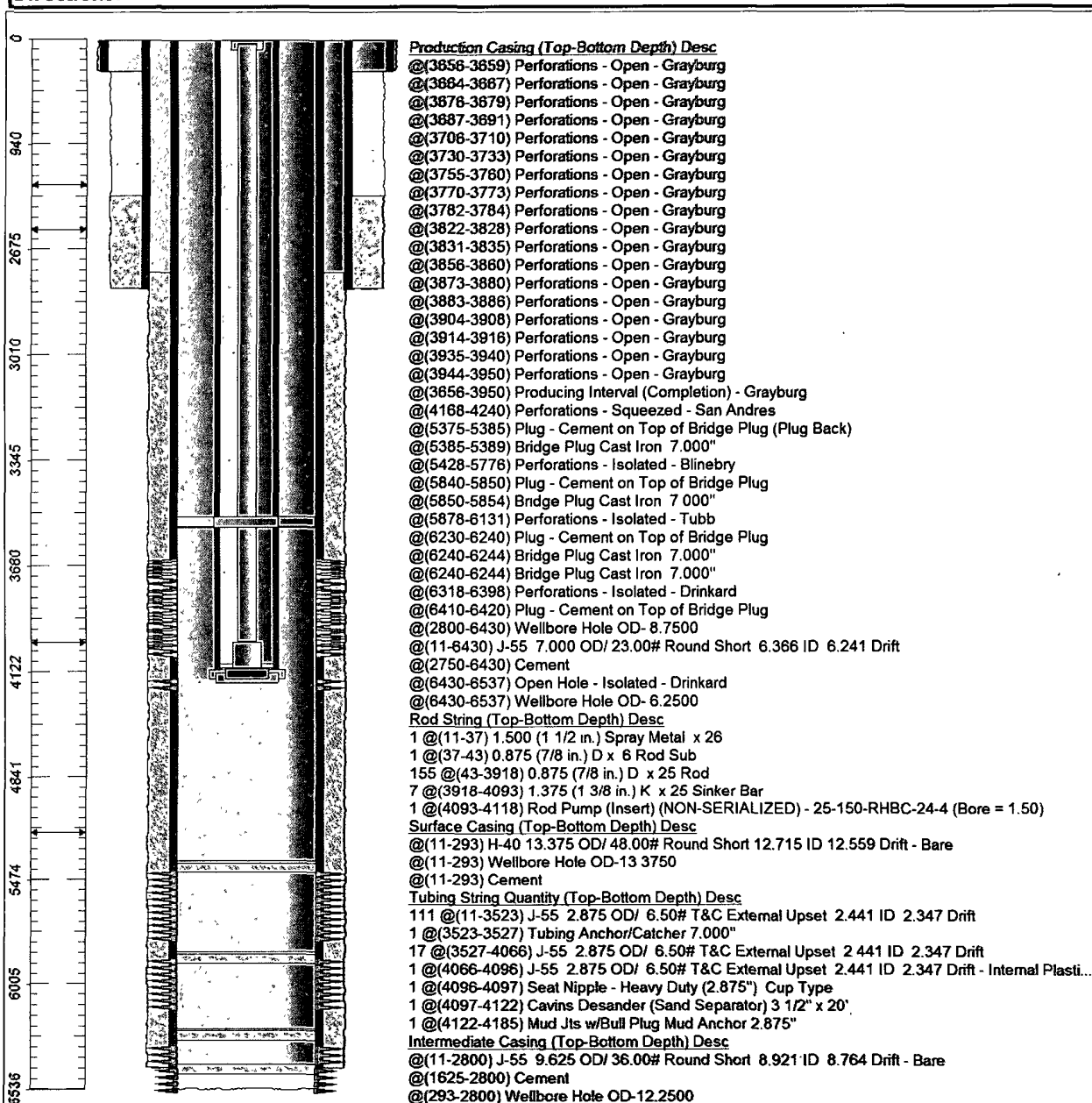
14. PU workstring to higher than top perforations. Displace tubing volume with 8.6 ppg cut brine water. Do not exceed 500 psi casing pressure or 5 BPM while pumping scale squeeze or casing flush. Release Petroplex.
15. TOH and LD 2-7/8" WS and Sonic Hammer tool.
16. RIH with 2-7/8" production tubing and hydrotest to 6,000 psi. **Pump 8.6 ppg cut brine water containing soap and biocide per ALCR.**
17. ND BOP, set TAC, NU WH. RIH with rods and pump per ALCR/Planner's recommendation/Rodstar design. Hang well on.
18. RD and release Workover unit. Turn well over to production.

Rollon Brunson #6

[illegible]

Chevron U.S.A. Inc. Wellbore Diagram : RBRUNSON6G

Lease: OEU EUNICE FMT		Well No.: BRUNSON ROLLON 6		Field: FLD-PENROSE SKELLY	
Location: 536FNL2104FEL		Sec.: N/A		Blk:	Survey: N/A
County: Lea	St.: New Mexico	Refno: FB1164		API: 3002510162	Cost Center: UCU495700
Section: 10		Township: 022 S			Range: 037 E
Current Status: ACTIVE				Dead Man Anchors Test Date: 08/16/2007	
Directions:					



Ground Elevation (MSL):: 3392.00	Spud Date: 12/10/1948	Compl. Date: 06/30/2005
Well Depth Datum:: CSI0000N	Elevation (MSL):: 0.00	Correction Factor: 11.00
Last Updated by: bujq	Date: 08/21/2012	