

Office

Energy, Minerals and Natural Resources

Revised August 1, 2011

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

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.)

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 M: 660 feet from the SOUTH line and 660 feet from the WEST line

Section 20

Township 21-S

Range 37-E

NMPM

County LEA

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

WELL API NO.

30-025-06705

5. Indicate Type of Lease

STATE ☐FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

C.L. HARDY

8. Well Number 4

9. OGRID Number 4323

10. Pool name or Wildcat

GRAYBURG/BLINEBRY

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 ☐

OTHER: INTENT TO TA BLINEBRY & DRINKARD & , ACIDIZE GRAYBURG

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐COMMENCE DRILLING OPNS. ☐ P AND A ☐CASING/CEMENT JOB ☐

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.

AMENDED REPORT TO ADD CIBP ABOVE DRINKARD

CHEVRON U.S.A. INC. INTENDS TO TEMPORARILY ABANDON THE BLINEBRY ZONE, & THE DRINKARD ZONE & DO AN ACID PACKER JOB.

PLEASE FIND ATTACHED, THE INTENDED PROCEDURE, AND THE WELLBORE DIAGRAMS.

C-144 INFO WAS SENT IN EARLIER.

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 Denise Pinkerton TITLE: REGULATORY SPECIALIST DATE: 11-16-2011

Type or print name DENISE PINKERTON

E-mail address: leakejd@chevron.com

PHONE: 432-687-7375

For State Use Only

APPROVED BY: State RepTITLE State RepDATE 11-21-2011

Conditions of Approval (if any)

NOV 21 2011

C.L. Hardy #4

11.14.2011

Penrose Skelly & Blinebry Field: Grayburg & Blinebry

T21S, R37E, Section 20

Job: TA Blinebry & Sonic Hammer Acidize & Scale Squeeze Grayburg

Procedure:

1. *This procedure is based on the most recent information regarding wellbore configuration and equipment that could be found in the Midland Office well files and computer databases as of 11/14/2011. Verify what is in the hole with the well file in the Eunice Field office. Discuss w/ WEO Engineer, Workover Rep, OS, ALS, and FS prior to rigging up on well regarding any hazards or unknown issues pertaining to the well.*
 - Well is down on failure, rig found bad scaling in tubing, it was decided to perform sonic hammer and scale squeeze. ***This procedure starts at the beginning of the sonic hammer because rig is currently RU and tubing will be pulled at start of SH. Please refer to Lowis procedure for prep details.***
 - 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.
 - **Notify OCD to witness CIBP pressure test 24 hours before test. OCD phone number: 575.393.6161**
2. Perform JSA for wireline operations. MI & RU wireline unit. NU lubricator. Test lubricator to 1,000 psi. PU 7" gauge ring and RIH to 6,450'. POOH.
3. PU 7" CIBP and RIH on wireline. Tie to Schlumberger GR/CCL Log dated 4.8.1959. Set CIBP at ~6,420' (must be within 50' of the top of Drinkard zone at 6,448'). Tag and record depth of CIBP. Run wireline bailer with cement dumping 35' of cement (~ 7.8 cubic feet, must have 35' per OCD) on top of CIBP. POOH. RD wireline unit.
4. **Notify OCD to witness CIBP pressure test 24 hours before test. OCD phone number: 575.393.6161.** PU and GIH with 7" pkr on 2-7/8" J-55 6.5# tbg. Hydro test tbg to 5,000 psi while GIH. Set pkr at ~6,300'. Verify that cmt has had at least 4 hr to set. Pressure test CIBP with 500 psi for 30 minutes (chart-recorded). If CIBP does not hold pressure, discuss with Engineer before continuing. Send original chart to Derek Nash in Midland.
5. If casing holds pressure, unset pkr POOH and stand back tbg and pkr.
6. RU wireline unit. NU lubricator. Test lubricator to 1,000 psi. PU 7" CIBP and RIH on wireline. Tie to Schlumberger GR/CCL Log dated 4.8.1959. Set CIBP at ~5,525' (must be within 50' of the top Blinebry perf at 5,570'). Tag and record depth of CIBP. Run wireline bailer with

cement dumping 35' of cement (~ 7.8 cubic feet, must have 35' per OCD) on top of CIBP.
POOH. RD & MO wireline unit.

7. **Notify OCD to witness CIBP pressure test 24 hours before test. OCD phone number: 575.393.6161.** PU and GIH with 7" pkr on 2-7/8" J-55 6.5# tbg. Set pkr at ~5,400. Verify that cmt has had at least 4 hr to set. Pressure test CIBP with 500 psi for 30 minutes (chart-recorded). If CIBP does not hold pressure, discuss with Engineer before continuing. Send original chart to Derek Nash in Midland.
8. If casing holds pressure, unset pkr POOH to 3,645'. Set pkr at 3,645'.
9. MI & RU Petroplex. Pump 50 bbl of 8.6 ppg brine water to establish injection down 2-7/8" J-55 6.5# tbg and through pkr. Do not exceed 350 psi injection pressure. Verify that well will take fluid before starting acid job.
10. Pump 4,000 gals of 15% NEFE HCl acid, do not exceed **5 BPM** of 350 psi. Flush tbg w/ 35 bbl 8.6 cut brine water. Shut in for 1 hrs for the acid to spend.
11. Pump a 150 bbls Brine containing 2 drums (110 gallons) Baker SCW-358 Scale Inhibitor. Followed by pumping additional 35 bbls 8.6 PPG cut brine water to scale squeeze well. Do not exceed **500 psi** casing pressure or **5 BPM** while pumping scale squeeze or casing flush. Release Petroplex.
12. Unset packer, POOH and stand back 2-7/8" J-55 6.5# tbg, LD pkr.
13. RIH w/ 2-7/8" production tubing and hang off per RRW recommendation (see Lowis plan). NDBOP. NUWH. RIH w/ rods and pump per RWW. RD and release workover unit.
14. Turn well over to production. Report producing rates, choke sizes, flowing pressures and/or fluid levels.

WELL DATA SHEET

FIELD: Penrose Skelly & Blinebry (DHC)

WELL NAME: C. L. Hardy #4

FORMATION: Gbrg/Blbr

SEC: 20

GL: 3494'

PROPOSED STATUS:

LOC: 660' FSL & 660' FWL

COUNTY: Lea

KB:

API NO: 30-025-06705

TOWNSHIP: 21S

STATE: NM

DF:

REFNO: FA7806

RANGE: 37E

LOT: M

Spud Date: 6/20/48

Date Completed: 8/4/48

SAP: UCU493600

Proposed 11.15.2011

Surface Casing

13-3/8", 48#, H-40 casing

17-1/2" hole

Set @ 290' w/300 sx cmt

Circ cmt to surface

Initially completed as Drinkard OH completion

Later dually produced in the
Penrose Skelly and the Paddock

Intermediate Casing

9-5/8", 36#, H-40 casing

12-1/4" hole

Set @ 2913' w/1300 sx cmt

TOC @ 1315' by TS

← TOC @ 1315'

← TOC @ 2915'

Tbg Detail:

Perfs	Status
3667-3867'	Penrose Skelly - Open (10.10.2003)

Perfs	Status
5162-70'	Paddock - squeezed

5219' sqzd to close off water

Perfs	Status
5570-5670'	Blinebry

Perfs	Status
5743-5857'	Blinebry

Junk in the well @ 6530

PBTD @ 6540'

CIBP @ 6550' w/ 2 sx cmt on top
OH Interval: 6-1/4" f/ 6563-6670'

CIBP @ 5,525'
W/ 35' Cmt

CIBP @ 6,420'
W/ 35' Cmt

Production Casing

7", 23#, J-55 casing

8-3/4" hole

Set @ 6563' w/700 sx cmt.

TOC @ 2915' by TS

TD 6670'

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TOC @ 1315' by TS

Tbg Detail:
BP @ 5675'
1 jt. 2 7/8" EUE 8R J-55 tbg
2 7/8" x 4' perfsub
SN @ 5640'
1 jt. 2 7/8" EUE 8R J-55 IPC tbg
64 jts. 2 7/8" EUE 8R J-55 tbg
TAC @ 3625'
117 jts. 2 7/8" EUE 8R J-55 tbg

Production Casing
7", 23#, J-55 casing
8-3/4" hole
Set @ 6563' w/700 sx cmt.
TOC @ 2915' by TS

