

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103

May 27, 2004

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

WELL API NO.

30-021-20578

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil &amp; 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.)

1. Type of Well: Oil Well ☐ Gas Well ☐ Other CO2 Well2. Name of Operator  
Reliant Exploration & Production, LLC.

OIL CONS. DIV DIST. 3

3. Address of Operator  
10817 West County Road 60 Midland, TX 79707

NOV 03 2014

7. Lease Name or Unit Agreement Name

Libby Minerals LLC 2032

8. Well Number 23-1-G

9. OGRID Number  
25190510. Pool name or Wildcat  
Bravo Dome 96010

4. Well Location

Unit Letter G : 1980 feet from the North line and 1980 feet from the East line  
Section 23 Township 20 N Range 32 E NMPM County Harding

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
5044.8Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type \_\_\_\_\_ Depth to Groundwater \_\_\_\_\_ Distance from nearest fresh water well \_\_\_\_\_ Distance from nearest surface water \_\_\_\_\_

Pit Liner Thickness: \_\_\_\_\_ mil Below-Grade Tank: Volume \_\_\_\_\_ bbls; Construction Material \_\_\_\_\_

## 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 ☐

OTHER: ☐

## 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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

See Attachment

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOED guidelines ☒, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Vance Vanderburg TITLE Manager DATE 7-27-14

Type or print name Vance VanderburgE-mail address: vance@reliantgases.comTelephone No. 432-559-7085

For State Use Only

APPROVED BY: [Signature] TITLE DEPUTY OIL & GAS INSPECTOR  
DISTRICT #3 DATE 11/7/14

Conditions of Approval (if any):

FY

**Libby Minerals LLC 2032 23-1-G**

**7/20/14**

(08:00) MIRU Reliant Rig #1. KB = 10' AGL.

Inspected rig, drill collars, and drill pipe.

**7/21/14**

Finish Rig Up.

**7/22/14** - *Spud*

(10:00) Drill 12.25" surface hole from 0' to 715' / Average WOB 12 / 120 RTS / 300 gpm @ 720 psi.

**7/23/14**

Drill 12.25" surface hole from 715' to 753' / Average WOB 13 / 125 RTS / 320 gpm @ 900 psi.

(00:30) Circulate

(01:30) TOOH

(02:30) Ran 8.625, 24.0 lb/ft, J-55, ST&C, from 10' to 727'.

(04:00) Circulate

(06:30) MIRU O-Tex to pump surface cement job as follows:

Pressure tested lines to 1500 psi. Pumped 10 bbl spacer. Pumped 440 sks of Class C + 2% Calcium chloride cement at 14.8 ppg at 3 BPM and 50 psi. Dropped top plug and pumped 43 bbls displacement at 3 BPM and 130 psi. Bumped plug to 790 psi. Float held. Circulated a total of 43 bbls to surface. Plug down at 08:15 hours on 7/23/2014. WOC

(12:15) Pressure test 8 5/8 csg to 1000 psi. Held for 30 minutes. Test OK. ✓

(13:00) Nipple up BOP.

(14:30) TIH. Drill Plug.

(16:30) Drill 7 7/8 production hole from 753' to 1385' / Average WOB 9 / 110 RTS / 390 gpm @ 700 psi.

**7/24/14**

Drill 7 7/8 production hole from 1385' to 2516' / Average WOB 13 / 105 RTS / 370 gpm @ 990 psi.

(22:00) Blew Kelley hose. Trip into shoe and replace hose.

**7/25/14**

(03:30) TIH to resume drilling.

(05:00) Drill 7 7/8 production hole from 2516' to 2734' / Average WOB 10 / 100 RTS / 370 gpm @ 1030 psi.

(10:00) Circulate and condition hole.

(11:00) TOOH

(15:00) MIRU Weatherford wire line.

(19:00) Ran 5 1/2 casing as follows: 5.5", 15.5#, J-55, 8 RD, casing from 8' to 2691'.

(23:00) Circulate and Condition hole.

## **7/26/14**

(12:00) MIRU O-Tex to pump cement as follows:

Pressure tested lines to 2000 psi. Pump 10 bbls spacer. Pumped 400 sks lead cement Class C + 2% GYP + 3% Calcl2 + 2% SM + 1/8 lb per sk celloflake at 11.1 ppg at 1.5 bpm at 40 psi. Rate was visibly getting poorer and poorer through entire lead cement stage. Pumped 10 sks tail cement Class C + 2% GYP + 3% Calcl2 + 2% SM + 1/8 lb per sk celloflake at 12.0 ppg at 1 bpm at 20 psi. Completely lost rate on cement pump and also could not get proper cement weight for the tail cement. Shut down and let cement crew have 30 minutes to try and figure out the weight issue and rate issue. Cement crew was unsuccessful in correcting either issue. Decided to rig down cement truck and displace plug with rig mud pump. Dropped top plug. Displaced cement with 63 bbls water at 2.9 bpm and 450 psi. Bumped plug at 1250 psi.. Float equipment held. Circulated 58 bbls to surface. Plug down at 15:45 hours on 7/26/14. Nipple down BOP equipment and clean pits and location.

(19:00) Test 5 1/2 csg to 1250 psi. Held for 30 minutes. Test OK. ✓

Rig released at 20:00 hours on 07/26/14. ✓