

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

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

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.

30-021-20557

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil &amp; Gas Lease No.

7. Lease Name or Unit Agreement Name

Libby Minerals LLC 1931

8. Well Number 6-2-A

9. OGRID Number

251905

10. Pool name or Wildcat

Bravo Dome 96010

## 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 Well

2. Name of Operator

Reliant Exploration &amp; Production, LLC.

3. Address of Operator

10817 West County Road 60 Midland, TX 79707

4. Well Location

Unit Letter A : 660 feet from the North line and 660 feet from the East lineSection 6 Township 19 N Range 31 E NMPM County Harding

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

4469.7

Pit 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 NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE

TITLE

DATE 3/18/13

Type or print name

For State Use Only

E-mail address:

Telephone No. 432-555-7085

APPROVED BY:

TITLE

DISTRICT SUPERVISOR

DATE 3/26/2013

Conditions of Approval (if any):

**Libby Minerals LLC 1931 6-2-A**

**3/9/13**

MIRU Reliant Rig #1. KB = 10' AGL.

**3/10/13**

Finish RU. Inspected rig, drill collars, and drill pipe. Wait on welder to install new partition in mud pit #2.

**3/11/13**

Wait on welder to finish work on mud pit.

Spud in at (10:30) / Drill 12.25" surface hole from 0' to 479' / Average WOB 49 / 100-110 RTS / 400gpm @ 650 psi.

**3/12/13**

Drill 12.25" surface hole from 479' to 724' (07:20) / Average WOB 49 / 100-110 RTS / 400gpm @ 650 psi.

Circulate and Condition hole.

(10:00) TOOH.

(13:30) Ran 8.625, 24.0 lb/ft, J-55, ST&C, from 10' to 706.9' . (17:30) Circulate and Condition hole

(17:35) MIRU O-Tex to pump surface cement job as follows:

Pressure tested lines to 1500psi. Pumped 10 bbl spacer. Pumped 440 sks of Class C + 2% Calcium chloride cement at 14.8ppg at 4 BPM and 125 psi. Dropped top plug and pumped 43 bbls displacement at 4 BPM and 100 psi. Bumped plug to 1100 psi. Float held. Circulated a total of 30 bbls to surface. Plug down at 19:50 hours on 3/12/2013. WOC

(24:00) Remove landing joint and nipple up BOP

**3/13/13**

(14:00) TIH with 7 7/8 bit. Drilled plug had bad leak on shock sub. TOOH to replace shock sub. Wait on shock sub to be delivered to location.

**3/14/2013**

Backup mud pump arrived. Plumb in backup pump. Wait on shock sub.

TIOH 20:42

Drilled 7 7/8 production hole from 706' to 828' / Average WOB 58 / 80 RTS / 310 gpm @ 700 psi

**3/15/2013**

Drilled 7 7/8 production hole from 828' to 1453' / Average WOB 58 / 80 RTS / 250 gpm @ 750 psi

Leak in top drive wash pipe connection glands. TOOH to shoe to repair (15:15)

**3/16/13**

TIH (01:30) Drilled 7 7/8 production hole from 1453' to 2194' / Average WOB 50 / 73 RTS / 280 gpm @ 780 psi

**3/17/13**

Drilled 7 7/8 production hole from 2194' to 2225' (02:30) / Average WOB 50 / 73 RTS / 280 gpm @ 780 psi

Circulate and condition hole. (04:15) TOOH

(10:00) MIRU Weatherford wire line to run open hole logs.

(5:45) Ran 5 1/2 casing as follows: 5.5", 17#, Chrome sub from 3' to 6'. Ran 5.5", 5.4#, FG casing from 6' to 1958'. Ran 5.5", 15.5#, J-55, 8 RD, casing from 1958' to 2174'.

**3/18/13**

(01:30) Circulate and Condition hole

MIRU O-Tex to pump cement as follows:

Pressure tested lines to 2000 psi. Pump 30 bbls spacer. Pumped 200 sks lead cement Class C + 2% GYP + 3% Calcl2 + 2% SM + 1/8 lb per sk celloflake at 11.1 ppg at 3 bpm at 200 psi. Pumped 105 sks tail cement Class C + 2% GYP + 3% Calcl2 + 2% SM + 1/8 lb per sk celloflake at 13.2 ppg at 3 bpm at 200 psi. Dropped top plug. Displaced cement with 48.5 bbls 4% KCL at 2 bpm and 550 psi. Bumped plug at 1150 psi. Bled off. Float equipment held. Circulated 76 bbls to surface. Plug down at 04:30 hours on 3/18/13.

Nipple down BOP equipment and clean pits and location. Rig released at 08:30 hours on 3/18/13.



March 18, 2013

Mr. Ed Martin  
District IV Supervisor  
New Mexico Oil Conservation Division  
1220 South St. Francis  
Santa Fe, NM 87505

Re: Form C-103

Dear Mr. Martin:

Please find enclosed for your approval the Sundry notice on drilling operations for the following wells;

Libby Minerals LLC 1931 6-2-A

Please send the approved notice to my attention at the following address;

7714 Georgetown Drive

Amarillo, TX 79119

Please let me know if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Vance Vanderburg".

Vance Vanderburg  
vance@reliantholdingsltd.com  
432-559-7085

RECEIVED OCD  
2013 MAR 21 P 2:25