

Submit 3 Copies To Appropriate District  
Office  
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. 30-021-20614
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Libby Minerals LLC 1931
8. Well Number 16-4-I
9. OGRID Number 251905
10. Pool name or Wildcat Bravo Dome 96010

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 \_\_\_\_\_

**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 & Production, LLC.

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

4. Well Location  
Unit Letter I : 1810 feet from the south line and 1270 feet from the East line  
Section 16 Township 19 N Range 31 E NMPM County Harding

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
4423.9

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

<b>NOTICE OF INTENTION TO:</b> PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> OTHER: <input type="checkbox"/>	<b>SUBSEQUENT REPORT OF:</b> REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input checked="" type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input checked="" type="checkbox"/> OTHER: <input type="checkbox"/>
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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

OIL CONS. DIV DIST. 3  
JUN 11 2014

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

SIGNATURE Vance Vanderburg TITLE Manager DATE 6-8-14

Type or print name Vance Vanderburg E-mail address: vance@reliantgases.com Telephone No .432-559-7085

For State Use Only

APPROVED BY: Bruce Roll TITLE Deputy Oil & Gas Inspector, DATE 6-13-14  
District #3

AV

**Libby Minerals LLC 1931 16-4-I**

**6/01/14**

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

Inspected rig, drill collars, and drill pipe.

**6/02/14**

Spud in at (10:30) Drill 12.25" surface hole from 0' to 267' / Average WOB 8 / 90 RTS / 344 gpm @ 600 psi.

(17:00) ROP very low. TOO H to do Bit check. Bit OK. Offset 16-2-N had very low ROP on surface hole also.

(18:00) TIH. Drill 12.25" surface hole from 267' to 515' / Average WOB 11 / 100 RTS / 380 gpm @ 820 psi.

**6/03/14**

Drill 12.25" surface hole from 515' to 753' / Average WOB 11 / 120 RTS / 370 gpm @ 820 psi.

(08:30) Circulate and condition hole.

(09:15) TOO H

(10:30) Ran 8.625, 24.0 lb/ft, J-55, ST&C, from 10' to 728'.

(16:30) Circulate

(16:30) MIRU O-Tex to pump surface cement job as follows:

Pressure tested lines to 2000 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 60 psi. Bumped plug to 1000 psi. Float held. Circulated a total of 20 bbls to surface. Plug down at 18:00 hours on 6/3/2014. WOC

(22:00) Remove landing joint and nipple up BOP

**6/04/14**

(03:00) TIH

(06:30) Drill 7 7/8 production hole from 753' to 1370' / Average WOB 12 / 100 RTS / 385 gpm @ 670 psi

**6/05/14**

(06:30) Drill 7 7/8 production hole from 1370' to 1601' / Average WOB 12 / 100 RTS / 385 gpm @ 670 psi. ROP very poor.

(13:00) TOOH to inspect bit. Found bit to be wore down on leading edge cutters. Replace bit.

(16:00) TIH

(18:00) Drill 7 7/8 production hole from 1601' to 1864' / Average WOB 10 / 110 RTS / 388 gpm @ 830 psi.

(22:00) Blew shaker hose between #1 and #2 mud pumps. Pull up 10 joints and replace hose.

#### **06/06/14**

(01:30) Drill 7 7/8 production hole from 1601' to 2194' / Average WOB 11 / 115 RTS / 390 gpm @ 900 psi.

(08:00) Circulate and condition hole.

(09:00) TOOH

(12:30) MIRU Weatherford wire line to run open hole logs.

(17:00) Ran 5 1/2 casing as follows: 5.5", 15.5#, J-55, 8 RD, casing from 8' to 2149'.

(23:30) Circulate and Condition hole

#### **06/07/14**

(01:30) MIRU O-Tex to pump cement as follows:

Pressure tested lines to 1500 psi. Pump 10 bbls spacer. Pumped 245 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 42 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 20 psi. Dropped top plug. Displaced cement with 50 bbls water at 3 bpm and 30 psi. Bumped plug at 1073 psi.. Float equipment held. Circulated 50 bbls to surface. Plug down at 02:30 hours on 6/07/14. Nipple down BOP equipment and clean pits and location.

Rig released at 06:30 hours on 06/07/14.