

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. 30-021-20590
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 2031
8. Well Number 18-2-D
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 & Production, LLC.

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

4. Well Location  
 Unit Letter D : 700 feet from the North line and 700 feet from the West line  
 Section 18 Township 20 N Range 31 E NMPM County Harding

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
4529

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

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

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 Vance VanDerburg TITLE Manager DATE 12-19-13

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

APPROVED BY: [Signature] TITLE **DISTRICT SUPERVISOR** DATE 1/2/2014

Conditions of Approval (if any):

**Libby Minerals LLC 1931 18-2-D**

**12/13/13**

(06:00)MIRU Reliant Rig #1. KB = 10' AGL.

Inspected rig, drill collars, and drill pipe.

**12/14/13**

Spud in at (16:30) / Drill 12.25" surface hole from 0' to 430' / Average WOB 8 / 95-100 RTS / 395 gpm @ 930 psi.

**12/15/13**

Drill 12.25" surface hole from 430' to 754' / Average WOB 8 / 95-100 RTS / 395 gpm @ 1050 psi.

(04:00) Circulate

(05:00) TOOH

(08:00)Ran 8.625, 24.0 lb/ft, J-55, ST&C, from 10' to 726'.

(11:00) MIRU O-Tex to pump surface cement job as follows:

Pump truck would not start. Wait on another pump truck.

(21:00)

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 100 psi. Dropped top plug and pumped 43 bbls displacement at 3.5 BPM and 50 psi. Bumped plug to 800 psi. Float held. Circulated a total of 48 bbls to surface. Plug down at 22:30 hours on 12/15/2013. WOC

**12/16/13**

(02:30)Remove landing joint and nipple up BOP

(03:30)TIH

(06:00) Drilled 7 7/8 production hole from 754' to 1960' / Average WOB 10 / 100 RTS / 380 gpm @ 900 psi.

**12/17/13**

Drilled 7 7/8 production hole from 1960' to 2225' / Average WOB 12 / 100 RTS / 380 gpm @ 950 psi.

(04:30) Circulate.

(06:30) TOOH

(11:00)MIRU Weatherford wire line to run open hole logs.

(16:00)Ran 5 ½ casing as follows: 5.5", 15.5#, J-55, 8 RD, casing from 8' to 2201'.

(20:45)Circulate and Condition hole

(22:00)MIRU O-TEX to pump cement as follows:

Pressure tested lines to 1500 psi. Pump 10 bbls spacer. Pumped 155 sks lead cement Class C + 2% GYP + 3%CalCl<sub>2</sub> + 2% SM + 1/8 lb per sk celloflake at 11.1 ppg at 3.5 bpm at 60 psi. Pumped 105 sks tail cement Class C + 2% GYP + 3%CalCl<sub>2</sub> + 2% SM + 1/8 lb per sk celloflake at 13.2 ppg at 3.5 bpm at 60 psi. Dropped top plug. Displaced cement with 51.5 bbls water at 3 bpm and 50 psi. Bumped plug at 1350 psi.. Float equipment held. Circulated 15 bbls to surface. Plug down at 23:15 hours on 12/17/13.

### **12/18/13**

(03:15) Nipple down BOP equipment and clean pits and location.

Rig released at 04:00 hours on 12/18/13.

RECEIVED OGD  
2013 DEC 26 P 3:52



December 19, 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 Form C-103 for the following well;

Libby Minerals LLC 2031 18-2-D.

Please send the approved 103's 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". The signature is stylized with long, sweeping lines.

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