

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- <del>20567</del> 20568
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 8-2-M
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 M : 660 feet from the South line and 1070 feet from the West line  
 Section 8 Township 20 N Range 31 E NMPM County Harding

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
 4553.6

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> 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

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 [Signature] TITLE Manager DATE 6-17-13

Type or print name Vance Vandenberg E-mail address: vance@relianceforges.com Telephone No. 432-559-2085

APPROVED BY: [Signature] TITLE **DISTRICT SUPERVISOR** DATE 6/26/2013

## Martin, Ed, EMNRD

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**From:** Vance Vanderburg <[vance@reliantholdingsltd.com](mailto:vance@reliantholdingsltd.com)>  
**Sent:** Wednesday, June 26, 2013 11:15 AM  
**To:** Martin, Ed, EMNRD  
**Subject:** RE: Libby Minerals LLC 2031 #82M

Yes. I failed to update the template.

Thanks,

Vance Vanderburg  
Reliant Holdings LTD.  
Director of Sales  
Office 432-617-4213  
Cell 432-559-7085

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**From:** Martin, Ed, EMNRD [<mailto:ed.martin@state.nm.us>]  
**Sent:** Wednesday, June 26, 2013 11:51 AM  
**To:** Vance Vanderburg  
**Subject:** Libby Minerals LLC 2031 #82M

The C-103 shows the API number for this well to be 30-021-20567.

Should be 30-021-20568. Correct?

Ed Martin  
New Mexico Oil Conservation Division  
Supervisor, District 4  
1220 S. St. Francis  
Santa Fe, NM 87505  
Office: 505-476-3470  
Cell: 505-690-2365  
Fax: 505-476-3462

**Libby Minerals LLC 2031 8-2-M**

**6/6/13**

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

**6/7/13**

Finish RU. Inspected rig, drill collars, and drill pipe.

Spud in at (18:00) / Drill 12.25" surface hole from 0' to 350' / Average WOB 10 / 100-110 RTS / 380 gpm @ 950 psi.

**6/8/13**

Drill 12.25" surface hole from 350' to 725' / Average WOB 10 / 100-110 RTS / 380 gpm @ 950 psi.

(07:30)Circulate and condition hole.

(08:30) TOOH

(10:00)Ran 8.625, 24.0 lb/ft, J-55, ST&C, from 10' to 695'.

(14:30) Circulate and Condition hole

(14:30) MIRU O-Tex to pump surface cement job as follows:

Pressure tested lines to 1000 psi. Pumped 10 bbl spacer. Pumped 440 sks of Class C + 2% Calcium chloride cement at 14.8ppg at 4 BPM and 138 psi. Dropped top plug and pumped 42 bbls displacement at 3 BPM and 142 psi. Bumped plug to 725 psi. Float held. Circulated a total of 45 bbls to surface. Plug down at 06:00 hours on 6/8/2013. WOC

(20:00)Remove landing joint and nipple up BOP

(22:30)Drilled 7 7/8 production hole from 725' to 835' / Average WOB 5 / 105 RTS / 400 gpm @ 700 psi.

**6/9/2013**

(01:00)Circulate

(02:00)TOOH

(04:30) RU Baker core barrel and prepare to TIH and take core.

(08:30) TIH. Take core #1 from 835' to 865'. Circulate hole. (10:00) TOOH.

(13:30) TIH. Take core #2 from 865' to 895'. Circulate hole. (17:30) TOOH.

(20:30) TIH. Take core #3 from 895' to 925'. Circulate hole. (22:30) TOOH.

Stuck at 865'. Worked free but could only go down. Mud up system to vis 38 and weight 8.9.

### **6/10/2013**

(06:00) Displaced hole. Worked tight spot TOOH.

(08:00) TIH. Take core #4 from 925' to 955'. Circulate hole. (12:00) TOOH.

(14:30) TIH. Service Rig. Hydraulic Motor issues.

### **6/11/13**

(16:00) Parts arrived for rig repair. Finish TIH.

(18:00) Take core #5 from 955' to 985'. Circulate hole. (19:15) TOOH.

(21:15) TIH. Take core #6 from 986' to 1016'. Circulate hole. (00:00) TOOH.

### **6/12/13**

(02:00) TIH. Take core #7 from 1016' to 1046'. Circulate hole. (05:00) TOOH.

(06:00) Lost hydraulic hose on sandline winch. Wait on new hose. (14:45) Finish TOOH

(16:00) TIH. Take core #8 from 1046' to 1077'. Circulate hole. (18:30) TOOH.

(20:30) TIH. Take core #9 from 1077' to 1107'. Circulate hole. (23:15) TOOH.

### **6/13/13**

(01:30) TIH. Take core #10 from 1107' to 1137'. Circulate hole. (04:30) TOOH.

(06:30) TIH. Take core #11 from 1137' to 1167'. Circulate hole. (09:30) TOOH.

(12:00) TIH. Drill 7 7/8 production hole from 1167' to 1446' / Average WOB 10 / 100 RTS / 395 gpm @ 750 psi

(21:00) Circulate. (22:00) TOOH

### **6/14/13**

(00:30) RU Baker core barrel and prepare to TIH and take core.

(03:30) Barrel jammed. TOOH. (05:30) Replace jammed core tube.

(06:00) TIH. Take core #12 from 1447' to 1477'. Circulate hole. (10:00) TOOH.

(12:30) TIH. Take core #13 from 1477' to 1509'. Circulate hole. (18:00) TOOH.

(21:00) TIH . Take core #14 from 1509' to 1539'. Circulate hole.

**6/15/13**

(01:30) TOOH.

(03:30) TIH . Take core #15 from 1539' to 1569'. Circulate hole. (07:15) TOOH.

(10:00)TIH. Drill 7 7/8 production hole from 1569' to 1657' / Average WOB 10 / 100 RTS / 395 gpm @ 750 psi

(14:30) Circulate. (15:30)TOOH

(18:00)MIRU Weatherford wire line to run open hole logs.

(22:30)Ran 5 ½ casing as follows:5.5", 15.5#, J-55, 8 RD, casing from 8' to 1617'.

**6/16/13**

(03:00)Circulate and Condition hole

(03:30)MIRU O-Tex to pump cement as follows:

Pressure tested lines to 2500 psi. Pump 10 bbls spacer. Pumped 100 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 100 psi. Pumped 100 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 90 psi. Dropped top plug. Displaced cement with 37.5 bbls 4% KCL at 3 bpm and 330 psi. Bumped plug at 900 psi.. Float equipment held. Circulated 15 bbls to surface. Plug down at 05:30 hours on 6/16/13. Nipple down BOP equipment and clean pits and location.

Rig released at 11:00 hours on 6/16/13.



June 17, 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 / remedial work operations for the following wells;

Libby Minerals LLC 2031 8-2-M.

Libby Minerals LLC 1931 15-2-N.

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". The signature is stylized and written in a cursive-like font.

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

RECEIVED OGD  
2013 JUN 20 P 2:38