

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

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

Form C-103  
May 27, 2004

<p><b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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.)</p>		<p>WELL API NO. 30-021-20565</p>
<p>1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other CO2 Well <input type="checkbox"/></p>		<p>5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/></p>
<p>2. Name of Operator Reliant Exploration &amp; Production, LLC.</p>		<p>6. State Oil &amp; Gas Lease No.</p>
<p>3. Address of Operator 10817 West County Road 60 Midland, TX 79707</p>		<p>7. Lease Name or Unit Agreement Name Libby Minerals LLC 1931</p>
<p>4. Well Location Unit Letter <u>N</u> : <u>660</u> feet from the <u>South</u> line and <u>2190</u> feet from the <u>West</u> line Section <u>16</u> Township <u>19 N</u> Range <u>31 E</u> NMPM County <u>Harding</u></p>		<p>8. Well Number 16-2-N</p>
<p>11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4421</p>		<p>9. OGRID Number 251905</p>
<p>Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/></p>		<p>10. Pool name or Wildcat Bravo Dome 96010</p>
<p>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 _____</p>		

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 Vance Vandenburg TITLE Manager DATE 4-10-13

Type or print name Vance Vandenburg E-mail address: vancouver@reliantgas.com Telephone No. 432-555-7085  
**For State Use Only**

APPROVED BY: Ed Martin TITLE **DISTRICT SUPERVISOR** DATE 5/24/2013  
Conditions of Approval (if any):

**Libby Minerals LLC 1931 16-2-N**

**4/02/13**

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

**4/03/13**

Finish RU. Inspected rig, drill collars, and drill pipe. Spud in at (07:30) / Drill 12.25" surface hole from 0' to 214' / Average WOB 14 / 100-110 RTS / 350gpm @ 830 psi.

**4/04/13**

Wait on new Kelly Hose.

Drill 12.25" surface hole from 214' to 724' (16:30)/ Average WOB 14 / 100-110 RTS / 350gpm @ 830 psi.

Circulate and Condition hole.

(17:30) TOOH.

(20:00)Ran 8.625, 24.0 lb/ft, J-55, ST&C, from 10' to 707' . (22:15) Circulate and Condition hole

(22:45) MIRU O-Tex to pump surface cement job as follows:

Pressure tested lines to 3000psi. Pumped 5 bbl spacer. Pumped 440 sks of Class C + 2% Calcium chloride cement at 14.8ppg at 6 BPM and 260 psi. Dropped top plug and pumped 42.3 bbls displacement at 4 BPM and 300 psi. Bumped plug to 1030 psi. Float held. Circulated a total of 35 bbls to surface.

**4/05/13**

Plug down at 00:30 hours on 4/05/2013. WOC

(03:30)Remove landing joint and nipple up BOP

(09:00)TIH To Float Collar. Wait on Clutch Repairs on Mud Pump #1

**4/06/13**

Drilled 7 7/8 production hole from 724" to 814' / Average WOB 16 / 80 RTS / 350 gpm @ 925 psi

**4/07/2013**

Drilled 7 7/8 production hole from 814" to 1444' / Average WOB 19 / 80 RTS / 350 gpm @ 975 psi

**4/08/2013**

Drilled 7 7/8 production hole from 1444" to 2100' / Average WOB 21 / 80 RTS / 350 gpm @ 975 psi

**4/09/2013**

Drilled 7 7/8 production hole from 2100' to 2225' / Average WOB 22 / 80 RTS / 300 gpm @ 1000 psi(09:00)

TOOH (14:00)

(14:30)MIRU Weatherford wire line to run open hole logs.

(20:30)Ran 5 ½ casing as follows: 5.5", 17#, Chrome sub from 3' to 6'. Ran 5.5", 5.4#, FG casing from 6' to 1963'. Ran 5.5", 15.5#, J-55, 8 RD, casing from 1963' to 2181'.

**4/10/2013**

(06:30)Circulate and Condition hole

(06:30)MIRU O-Text to pump cement as follows:

Pressure tested lines to 2000 psi. Pump 20 bbls spacer. Pumped 110 sks lead cement Class C + 2% GYP + 3%Calcl2 + 2% SM + 1/8 lb per sk celloflake at 11.1 ppg at 5 bpm at 150 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 5 bpm at 150 psi. Dropped top plug. Displaced cement with 50 bbls 4% KCL at 5 bpm and 50 psi. Bumped plug at 1300 psi. Bled off. Float equipment held. Circulated 30 bbls to surface. Plug down at 10:30 hours on 4/10/13.

Nipple down BOP equipment and clean pits and location. Rig released at 2:30 hours on 4/10/13.



April 10, 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 16-2-K

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 with a large, sweeping "V" and a long, horizontal stroke.

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

RECEIVED OGD

2013 APR 15 P 2:28