


Submit To Appropriate District Office State Lease - 6 copies Fee Lease - 5 copies District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505	<b>State of New Mexico</b> <b>Energy, Minerals and Natural Resources</b>  <b>Oil Conservation Division</b> <b>1220 South St. Francis Dr.</b> <b>Santa Fe, NM 87505</b>	<b>Form C-105</b> Revised June 10, 2003
		WELL API NO. 30-021-20591
		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
		State Oil & Gas Lease No.
<b>WELL COMPLETION OR RECOMPLETION REPORT AND LOG</b>		
1a. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/> CO2 Well <input type="checkbox"/>		7. Lease Name or Unit Agreement Name  Libby Minerals LLC 2031
b. Type of Completion: NEW <input checked="" type="checkbox"/> WORK <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG <input type="checkbox"/> DIFF. WELL OVER BACK RESVR. <input type="checkbox"/> OTHER		
2. Name of Operator  Reliant Exploration and Production, LLC.		8. Well No. 18-1-M
3. Address of Operator  10817 West County Road 60 Midland TX 79707		9. Pool name or Wildcat Bravo Dome 96010
4. Well Location  Unit Letter <u>M</u> : <u>700</u> Feet From The <u>South</u> Line and <u>840</u> Feet From The <u>West</u> Line  Section <u>18</u> Township <u>20 N</u> Range <u>31 E</u> NMPM <u>Harding</u> County		
10. Date Spudded 04/12/2013	11. Date T.D. Reached 8/19/2013	12. Date Compl. (Ready to Prod.) 02/06/2014
13. Elevations (DF& RKB, RT, GR, etc.) 4553.2		14. Elev. Casinghead
15. Total Depth 2225'	16. Plug Back T.D. 2157'	17. If Multiple Compl. How Many Zones?
18. Intervals Drilled By		19. Producing Interval(s), of this completion - Top, Bottom, Name 2031'-2042', 2007'-2026', 1984' - 1996', 1952'-1968' Tubb
20. Was Directional Survey Made No		21. Type Electric and Other Logs Run SDDSN/GR/CCL/CB/ACR
22. Was Well Cored No		23. <b>CASING RECORD (Report all strings set in well)</b>
CASING SIZE	WEIGHT LB./FT.	DEPTH SET
8 5/8"	24#	726
5 1/2"	15.5#	2201
24. <b>LINER RECORD</b>		25. <b>TUBING RECORD</b>
SIZE	TOP	BOTTOM
26. Perforation record (interval, size, and number) 6 JSPF @ 2031'-2042', 2007'-2026', 1984' - 1996', 1952'-1968' 348 holes		27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED
2031'-2042', 2007'-2026', 1984' - 1996', 1952'-1968'		25013g gel - 12658g CO2 - 91,283 # snd
28. <b>PRODUCTION</b>		
Date First Production 02/08/2014		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing
Well Status (Prod. or Shut-in) Prod.		
Date of Test 02/15/2014	Hours Tested 24	Choke Size 2.05"
Prod'n For Test Period	Oil - Bbl 0	Gas - MCF 991
Water - Bbl. 0	Gas - Oil Ratio	
Flow Tubing Press.	Casing Pressure 135	Calculated 24-Hour Rate
Oil - Bbl. 0	Gas - MCF 991	Water - Bbl. 0
Oil Gravity - API - (Corr.)		
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold		Test Witnessed By V. Vanderburg
30. List Attachments		
31. I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief		
Signature	Printed Name	Title
	Vance Vanderburg	Manager
E-mail Address	Date 2-18-14	
vance@relimf.com		

## INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinebry	T. Gr. Wash	T. Morrison	T.
T. Tubb 1946	T. Delaware Sand	T. Todilto	T.
T. Drinkard	T. Bone Springs	T. Entrada	T.
T. Abo	T. Yeso	T. Wingate	T.
T. Wolfcamp	T. Cimarron 1930	T. Chinle	T.
T. Penn	T.	T. Permian	T.
T. Cisco (Bough C)	T.	T. Penn "A"	T.

## OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....

No. 2, from.....to.....

No. 3, from.....to.....

No. 4, from.....to.....

## IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....  
 No. 2, from.....to.....feet.....  
 No. 3, from.....to.....feet.....

## LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology

From	To	Thickness In Feet	Lithology

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., 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 & Natural Resources

Form C-104  
Revised August 1, 2011

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

<sup>1</sup> Operator name and Address Reliant Exploration and Production LLC 10817 West County Road 60 Midland, TX 79707		<sup>2</sup> OGRID Number 251905
		<sup>3</sup> Reason for Filing Code/ Effective Date NW
<sup>4</sup> API Number 30 - 021-20591	<sup>5</sup> Pool Name Bravo Dome	<sup>6</sup> Pool Code 96010
<sup>7</sup> Property Code 39771	<sup>8</sup> Property Name Libby Minerals LLC 2031	<sup>9</sup> Well Number 18-1-M

II. <sup>10</sup> Surface Location

UL or lot no. M	Section 18	Township 20N	Range 31E	Lot Idn M	Feet from the 700	North/South Line South	Feet from the 840	East/West line West	County Harding
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<sup>11</sup> Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<sup>12</sup> Lse Code P	<sup>13</sup> Producing Method Code F	<sup>14</sup> Gas Connection Date 02/08/2014	<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date	<sup>17</sup> C-129 Expiration Date				

III. Oil and Gas Transporters

<sup>18</sup> Transporter OGRID 251905	<sup>19</sup> Transporter Name and Address Reliant Exploration and Production LLC 10817 West County Road 60 Midland, TX 79707	<sup>20</sup> O/G/W G

IV. Well Completion Data

<sup>21</sup> Spud Date 12/18/2013	<sup>22</sup> Ready Date 02/06/2014	<sup>23</sup> TD 2225'	<sup>24</sup> PBTB 2157'	<sup>25</sup> Perforations 2031'-2042', 2007'-2026', 1984'-1996', 1952-1968	<sup>26</sup> DHC, MC
<sup>27</sup> Hole Size	<sup>28</sup> Casing & Tubing Size	<sup>29</sup> Depth Set	<sup>30</sup> Sacks Cement		
12.25	8.625	726	440		
7.875	5.5	2201	315		

V. Well Test Data

<sup>31</sup> Date New Oil 02/06/2014	<sup>32</sup> Gas Delivery Date 02/08/2014	<sup>33</sup> Test Date 02/15/2014	<sup>34</sup> Test Length 24 hrs	<sup>35</sup> Tbg. Pressure n/a	<sup>36</sup> Csg. Pressure 135
<sup>37</sup> Choke Size 2.05	<sup>38</sup> Oil 0.00	<sup>39</sup> Water 0	<sup>40</sup> Gas 991	<sup>41</sup> Test Method flowing	

<sup>42</sup> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.  
Signature:

Printed name:

Title:

E-mail Address:

Date:

Phone:

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

DISTRICT SUPERVISOR

2/24/2014

Vance Vandenburg  
Manager

vance.vandenburg@nrcs.nm.gov, 10M

2-18-14

434-559-7085

RECEIVED OGD

2014 FEB 21 P 2:40



February 18, 2014

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

Re: Form C-104 and 105

Dear Mr. Martin:

Please find enclosed for your approval forms C -105 and C-104 for the following wells;

Libby Minerals LLC 1931 27-1-J.

Libby Minerals LLC 2031 20-1-P.

Libby Minerals LLC 2031 18-2-D.

Libby Minerals LLC 2031 18-1-M.

Please send the approved copies 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 fluid and stylized, with a long horizontal stroke at the end.

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