

NM OIL CONSERVATION
ARTESIA DISTRICT

SEP 26 2017

RECEIVED

District I
1623 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
811 S. Fawcett St., Artesia, NM 88210
Phone: (575) 746-1283 Fax: (575) 743-9720

District III
1000 Rio Brazos Road, Artesia, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3450 Fax: (505) 476-3462

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-101
Revised July 18, 2013

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Foundation Energy Management, LLC 5057 Keller Springs Rd, Suite 650 Addison, Texas 75001		² OGRID Number 370740
		³ API Number 30-015-32851
⁴ Property Code 34132	⁵ Property Name Lonetree 14 State Com	⁶ Well No. #1

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
O	14	21S	27E		660'	South	1980'	East	Eddy

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County

9. Pool Information

⁹ Pool Name Fenton- Delaware Northwest	¹⁰ Pool Code 24330
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Additional Well Information

¹¹ Work Type A	¹² Well Type G	¹³ Cable/Rotary R	¹⁴ Lease Type S	¹⁵ Ground Level Elevation 3205'
¹⁶ Multiple Yes	¹⁷ Proposed Depth 11,900'	¹⁸ Formation Morrow	¹⁹ Contractor	²⁰ Spud Date
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	17 1/2"	13 3/8"	48#	420'	450	Circ to Surface
Intermediate	12 1/4"	9 5/8"	40#	2600'	950	Circ To Surface
Production	8 3/4"	5 1/2"	17#	11,950'	2300	2330'

Casing/Cement Program: Additional Comments

Production CSG -- Stage #1: 700 SXS, Stage #2- 1600 SXS

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
3000# Manual	1500 psi max	3000 psi	Cameron

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.
I further certify that I have complied with 19.15.14.9 (A) NMAC and/or 19.15.14.9 (B) NMAC , if applicable.

Signature: *Rachel Grant*
Printed name: Rachel Grant
Title: Regulatory Manager
E-mail Address: rgrant@foundationenergy.com
Date: 9/18/2017 Phone: 918-526-5592

OIL CONSERVATION DIVISION	
Approved By: <i>Raymond H. Bodany</i>	
Title: <i>Geologist</i>	
Approved Date: <i>9-27-17</i>	Expiration Date: <i>9-27-19</i>
Conditions of Approval Attached	

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1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
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511 S. First St., Artesia, NM 88210
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District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-32851		² Pool Code 24330		³ Pool Name Fenton, Delaware, Northwest	
⁴ Property Code 34132		⁵ Property Name Lonetree 14 State Com			⁶ Well Number #1
⁷ OGRID No. 370740		⁸ Operator Name Foundation Energy Management, LLC			⁹ Elevation 3205'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	14	21S	27E	660	600'	South	1980'	East	Eddy

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<p>¹⁶</p>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well or this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>[Signature]</i> 9/25/17 Signature Date</p> <p>Rachel Grant Printed Name</p> <p>rgrant@foundationenergy.com E-mail Address</p>
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p>
	<p>Certificate Number</p>

Foundation Energy Management, LLC

WELLBORE DIAGRAM

Well / Battery Lonetree 14 State Com 1	Prospect Name FENTON	Total Depth 11963	Current Status PR
Location Unit: O, 660' FSL & 1980' FEL	Sec-Twn-Rng 14-21S-27E	Producing Horizon Wolfcamp	County & State Eddy, NM

WELLBORE DIAGRAM

Prepared Date: 9/19/2017
Prepared By: Allie White

General Info

API #: 30-015-32851

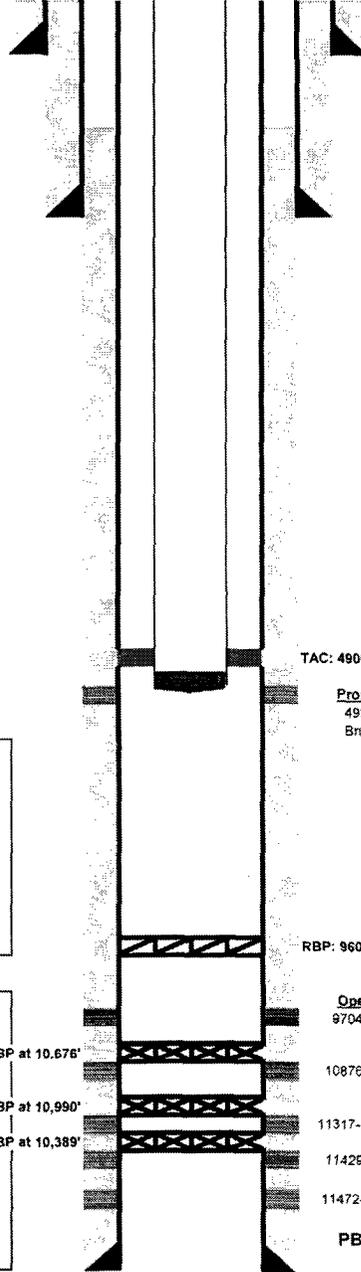
KB Elevation:
GL Elevation: 3205

Spud Date: 10/22/2003 (Re-entry)
Completion Date: 12/13/2004

TVD: 11935
MD: 11983
Last PBTD: 10676

Tubing Detail

2-7/8 inch(OD)
(weight)
X-XX grade
9581 EOT



Surface Casing
13-3/8 inch (OD)
48 # (weight)
H-40 grade
420 depth from KB
Surface cement top
450 sacks of cement
17-1/2 inch (OD) HOLE SIZE

Intermediate Casing
9-5/8 inch (OD)
40 # (weight) **Visual Returns**
N-80, 52' Grade and Depth
J-55, 2468' Grade and Depth
N-80, 2602' Grade and Depth
Surface cement top
950 sacks of cement
12-1/4 inch (OD) HOLE SIZE

Production Casing
8-3/4 inch (OD)
17 # (weight)
P-110, 1883' Grade and Depth
N-80, 11828' Grade and Depth
P-110, 11958' Grade and Depth
2330 cement top **CBL**
2300 sacks of cement
8-3/4 inch (OD) HOLE SIZE

TAC: 4900'

Proposed Perforations
4922-30' (3 SPF, 24 holes)
Brushy Canyon (Delaware)

RBP: 9600'

Open Perforations
9704-9720 (1 SPF, 16 holes) 12/06/2004
Wolfcamp Lime
10876-10885 (1 SPF, 9 holes) 12/11/2004
Atoka Sand
11317-11322 (2 SPF, 12 holes) 11/17/2004
11429-11431 (2 SPF, 4 holes) 8/13/2004
11472-11473, (3 SPF, 6 holes) 8/13/2004

PBTD: 10,676'

Pump Details:

Pumping Unit Details:

Well Notes:

CIBP at 10,676'
CIBP at 10,990'
CIBP at 10,389'

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