

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

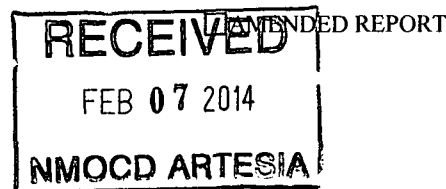
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

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

Form C-101
Revised July 18, 2013



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

¹ Operator Name and Address MANZANO, LLC PO BOX 2107 ROSWELL, NM 88202-2107		² OGRID Number 231429
		³ API Number 30-015-34861
⁴ Property Code 313081	⁵ Property Name BOND FEE	⁶ Well No. 2

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
C	20	21S	28E		660	N	1650	W	EDDY

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
C	20	21S	28E		660	N	1650	W	EDDY

9. Pool Information

<i>Fenton; Delaware</i>	Pool Name	Pool Code <i>24320</i>
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Additional Well Information

¹¹ Work Type P	¹² Well Type O	¹³ Cable/Rotary n/a	¹⁴ Lease Type P	¹⁵ Ground Level Elevation 3195
¹⁶ Multiple N	¹⁷ Proposed Depth 6600	¹⁸ Formation DELAWARE	¹⁹ Contractor n/a	²⁰ Spud Date 02/17/14
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

Casing/Cement Program: Additional Comments

SEE ATTACHED ADDITIONAL COMMENTS

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer

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 <input type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> , if applicable. Signature: <i>[Signature]</i>		OIL CONSERVATION DIVISION Approved By: <i>T. C. Shepard</i> Title: "Geologist" Approved Date: <i>2-7-2014</i> Expiration Date: <i>2-7-2016</i>	
Printed name: MIKE HANAGAN			
Title: MANAGING MEMBER			
E-mail Address: mike@manzanoenergy.com			
Date: 02/06/14	Phone: 575-623-1996 ext 311	Conditions of Approval Attached	

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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 30-015-34861	² Pool Code 24320	³ Pool Name Fenton; Delaware
⁴ Property Code 313081	⁵ Property Name BOND FEE	⁶ Well Number 2
⁷ OGRID No. 231429	⁸ Operator Name MANZANO, LLC	⁹ Elevation 3195'

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
C	20	21S	28E		660	NORTH	1650	WEST	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 40.0	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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.

¹⁶	¹⁷ OPERATOR CERTIFICATION 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 at 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. Signature Date 2/6/14 MIKE HANAGAN Printed Name mike@manzanoenergy.com E-mail Address	
	¹⁸ SURVEYOR CERTIFICATION 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. Date of Survey Signature and Seal of Professional Surveyor:	
	RECEIVED FEB 07 2014 NMOCD ARTESIA	
	Certificate Number	

MANZANO, LLC

LEASE: **Bond**
 FIELD:
 LOCATION: **660 FNL 1650 FWL**
 SPUD DATE: **6/7/2006**
 CONTRACTOR:

WELL NO.: **2**
 COUNTY: **Eddy**
 LEGAL: **Sec 20 T21 S R 28 E**
 DRAWN BY: **M Hanagan**
 DATE: **2/6/2014**

API #: **30 - 015 - 34861**
 STATE: **New Mexico**
 GL: **3194**
 DF:
 KB: **3213**

Bond Fee 2 Re-Completion Proposal

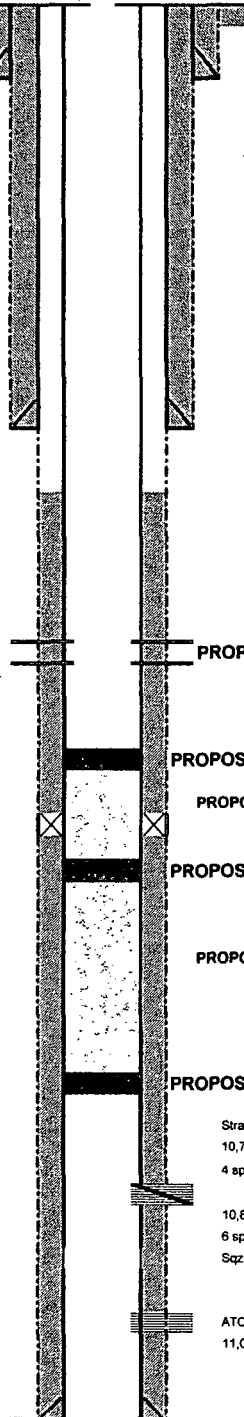
Hole Size
 Csg Design

17-1/2" Hole
 13-3/8", 54.5#
 J-55 ST&C
 Set @ 532' w/
 460 sxs circ

12-1/4" hole
 9-5/8", 40#
 N-80, LT&C
 Set @ 2890'
 Cmt w/ 1197 sxs
 Circ

DV Tool @ 8217'

5-1/2", 17#
 P-110 LT&C
 8-3/4" Hole
 Cmt w/ 1930 sxs
 TOC 3900 CBL



PROPOSED PROCEDURE

1. SET CIBP @ 10600' & CAP W/25' CLASS H CEMENT
2. SET CIBP @ 8600' & CAP W/25' CLASS H CEMENT
3. SET CIBP @ 6600' & CAP W/25' CLASS H CEMENT
4. PERFORATE DELAWARE @ 5529'-5597' & FRAC w/-100,000# SAND
5. PUT WELL ON PUMP & PRODUCTION TEST

PROPOSE TO PERFORATE DELAWARE @ 5529'-5597' & FRAC w/-100,000# SAND

PROPOSE TO SET CIBP #3 @ 6600' & CAP w/25sxs CLASS H CEMENT

PROPOSE TO FILL w/10# BRINE

PROPOSE TO SET CIBP #2 @ 8600' & CAP w/25sxs CLASS H CEMENT

PROPOSE TO FILL w/10# BRINE

PROPOSE TO SET CIBP #1 @ 10600' & CAP w/25sxs CLASS H CEMENT

Strawn Perfs (Previously Abandoned)

10,706-10,748

4 spf 168 holes sqz w/ 450 sxs

10,802-10,812

6 spf 60 holes

Sqz w/ 175 sxs

ATOKA PERFS

11,050'-11,058' and 11,064'-11,072'

PBTB @ 12,182'

TD @ 12,270'