

District I  
1825 J. French Dr. Hobbs NM 88240  
Phone: (505) 393-6161 Fax: (505) 393-0720  
District II  
811 S. First St., Artesia, NM 88210  
Phone: (505) 748-1283 Fax: (505) 748-9720  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6174 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

APR 19 2016

RECEIVED

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**

Operator Name and Address Mack Energy Corporation P.O. Box 960, Artesia, NM 88211-0960		OGRID Number 013837
Property Code 316112	Property Name Eddy GF State	Well No. 2

**Surface Location**

UL - Lot K	Section 16	Township 23S	Range 27E	Lot Idn	Feet from 1980	N/S Line South	Feet From 1980	E/W Line West	County Eddy
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**Proposed Bottom Hole Location**

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

Pool Name Brushy Canyon Forehand Ranch; Delaware	Pool Code 24670
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**Additional Well Information**

Work Type Re-entry	Well Type Oil	Cable/Rotary	Lease Type State	Ground Level Elevation 3142' GR
Multiple NO	Proposed Depth 5500'	Formation Forehand Ranch; Delaware Brushy Canyon	Contractor	Spud Date 5/10/2016
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

**Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
H-40	17 1/2"	13 3/8"	48#	404'	400sx	0
S-95	12 1/4"	9 5/8"	40#	2398'	1550sx	0
N-80	8 3/4"	5 1/2"	17#	5500-12,297'	1450sx	7920'

**Casing/Cement Program: Additional Comments**

Drill out cmt plugs w/8 1/2" bit to casing stub @ 5500', run 5 1/2" csg/cmt. Perforate and test 5330-5425'. Put well on production.

**Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000	3000	

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 checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input type="checkbox"/> , if applicable. Signature: <i>Jerry W. Sherrell</i>		OIL CONSERVATION DIVISION	
Printed name Jerry W. Sherrell		Approved By: <i>Daniel Samuels</i>	
Title Production Clerk		Title Compliance & Enforcement Manager	
E-mail Address jerrys@mec.com		Approved Date: 4-21-16 Expiration Date: 4-21-18	
Date 4/19/16	Phone 575-748-1288	Conditions of Approval Attached	

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1625 N. French Dr., Hobbs, NM 88240

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District III  
1000 Rio Brazos Rd., Aztec, NM 87410

District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-102  
Revised March 17, 1999

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number 30-015-21456	'Pool Code 24 670	'Pool Name Brushy Canyon Forchance Ranch, Delaware
'Property Code 316.112	'Property Name Eddy GF State	'Well Number 2
OGRID No. 013837	'Operator Name Mack Energy Corporation	'Elevation 3142' GR

HI Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	16	23S	27E		1980	South	1980	West	Eddy

" 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
" Dedicated Acres 40	" joint or Infill	" Consolidation Code	" Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL XL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

				<b>OPERATOR CERTIFICATION</b> <i>I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> Signature <u>Jerry W. Sherrell</u> Printed Name <u>Jerry W. Sherrell</u> Title <u>Production Clerk</u> Date <u>4/19/2016</u>
1980'	/	/		<b>"SURVEYOR CERTIFICATION</b> <i>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.</i> On File Date of Survey Signature and Seal of Professional Surveyer  Certificate Number
	/	/		
		1980'		

**District I**  
 1025 N. French Dr., Hobbs, NM 88240  
 Phone (575) 393-0101 Fax (575) 393-0720  
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 811 S. First St., Artesia, NM 88213  
 Phone (575) 749-1293 Fax (575) 749-0720  
**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87413  
 Phone (505) 334-0178 Fax (505) 334-0170  
**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone (505) 476-3470 Fax (505) 476-3462

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

Form APD Conditions

**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address: <div style="font-size: 1.5em; font-family: cursive; margin-top: 10px;">Mack Energy Corp</div>	APD Number: 30-015- 22378 Well: Eddy GF State #2
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OCD Reviewer	Condition
kjones	Will require a directional survey with the C-104
kjones	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
kjones	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement.

The NMOCD Gas Capture Plan notice has been posted on the web site under Announcements. A copy of the GCP form is included with the notice and is also in the forms section under Unnumbered forms. Please submit accordingly in a timely manner.