

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

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

¹ Operator name and Address Mack Energy Corporation P.O. Box 960 Artesia, NM 88211-0960		² OGRID Number 013837
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 - 0 15-46417	⁵ Pool Name Fren; Glorieta - Yeso	⁶ Pool Code 26770
⁷ Property Code 319555	⁸ Property Name Nosler 12 Federal DB	⁹ Well Number 42H

II. 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
A	11	17S	31E		1020	North	650	East	Eddy

¹¹ 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
B	12	17S	31E		1001	North	1323	East	Eddy
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 11/16/2022	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
278471	Holly Marketing & Refining Co., LLC P.O. Box 1600 Artesia, NM 88211-1600	O
036788	DCP Midstream 4001 Penbrook Odessa, TX 79762	G

IV. Well Completion Data

²¹ Spud Date 9/14/2022	²² Ready Date 11/14/2022	²³ TD 10,303' TVD 6050'	²⁴ PBTD 10,254' TVD 6050'	²⁵ Perforations 10,198-6,448' TVD 6050' -6073'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
17 1/2"		13 3/8"		607'	765 sx
12 1/4"		9 5/8"		1996'	605 sx
8 1/2"		7" & 5 1/2"		10,303'	1490 sx

V. Well Test Data

³¹ Date New Oil 11/18/2022	³² Gas Delivery Date 11/16/2022	³³ Test Date 11/16/2022	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 66	³⁹ Water 1374	⁴⁰ Gas 63		⁴¹ Test Method Pumping
⁴² 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: <i>Delilah Flores</i>			OIL CONSERVATION DIVISION Approved by: Title: Approval Date: 		
Printed name: Delilah Flores					
Title: Regulatory Technician I					
E-mail Address: delilah@mec.com					
Date: 11/22/2022		Phone: 575-748-1288			

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 & 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 30-015-46417	² Pool Code 26770	³ Pool Name Fren; Glorieta - Yeso
⁴ Property Code 319555	⁵ Property Name NOSLER 12 FEDERAL DB	⁶ Well Number 42H
⁷ OGRID No. 13837	⁸ Operator Name MACK ENERGY CORPORATION	⁹ Elevation 3970.8

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
A	11	17 S	31 E		1020	NORTH	650	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
B	12	17 S	31 E		1001	NORTH	1323	EAST	EDDY

¹² Dedicated Acres 120	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.

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. <i>Delilah Flores</i> 11/22/2022 Signature _____ Date _____ Delilah Flores Printed Name _____ delilah@mec.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. NOVEMBER 18, 2022 Date of Survey _____ Signature and Seal of Professional Surveyor:  Certificate Number: 12797	

Intent ☐ As Drilled ☒

API #		
Operator Name: MACK ENERGY CORPORATION	Property Name: NOSLER 12 FEDERAL DB	Well Number 42H

Kick Off Point (KOP)

UL A	Section 11	Township 17S	Range 31E	Lot	Feet 1012	From N/S NORTH	Feet 660	From E/W EAST	County EDDY
Latitude 32.8536440					Longitude 103.8338664				NAD 83

First Take Point (FTP)

UL D	Section 12	Township 17S	Range 31E	Lot	Feet 1006	From N/S NORTH	Feet 106	From E/W WEST	County EDDY
Latitude 32.8536655					Longitude 103.8313716				NAD 83

Last Take Point (LTP)

UL B	Section 12	Township 17S	Range 31E	Lot	Feet 1001	From N/S NORTH	Feet 1428	From E/W EAST	County EDDY
Latitude 32.8537049					Longitude 103.8191659				NAD 83

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

Mack Energy

Eddy County, NM

Sec 11-T17S-R31E

Nosler 12 Federal DB 42H

Wellbore #1

Plan: Plan #1

Standard Planning Report

18 August, 2022



Microsoft
Planning Report



Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Site Sec 11-T17S-R31E
Company:	Mack Energy	TVD Reference:	3970.8+18 @ 3988.8usft
Project:	Eddy County, NM	MD Reference:	3970.8+18 @ 3988.8usft
Site:	Sec 11-T17S-R31E	North Reference:	Grid
Well:	Nosler 12 Federal DB 42H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Project	Eddy County, NM		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Sec 11-T17S-R31E					
Site Position:		Northing:	674,644.13 usft	Latitude:	32° 51' 13.043 N	
From:	Map	Easting:	694,725.61 usft	Longitude:	103° 50' 1.801 W	
Position Uncertainty:		0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.27

Well	Nosler 12 Federal DB 42H					
Well Position	+N/-S	0.0 usft	Northing:	674,644.13 usft	Latitude:	32° 51' 13.043 N
	+E/-W	0.0 usft	Easting:	694,725.61 usft	Longitude:	103° 50' 1.801 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,970.8 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	08/18/22	6.56	60.52	47,743.71094396

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	6,050.0	0.0	0.0	89.23

Plan Survey Tool Program	Date	08/18/22		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	10,306.7	Plan #1 (Wellbore #1)	MWD
				MWD - Standard

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
5,246.0	0.00	0.00	5,246.0	0.0	0.0	0.00	0.00	0.00	0.00	
5,933.5	55.00	86.90	5,832.7	16.5	305.0	8.00	8.00	0.00	86.90	
6,183.5	55.00	86.90	5,976.1	27.6	509.4	0.00	0.00	0.00	0.00	
6,539.0	90.46	89.62	6,080.0	37.0	843.3	10.00	9.97	0.76	4.67	
10,306.7	90.46	89.62	6,050.0	62.3	4,610.9	0.00	0.00	0.00	0.00	BHL Nosler 12 Federal

Microsoft
Planning Report



Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Site Sec 11-T17S-R31E
Company:	Mack Energy	TVD Reference:	3970.8+18 @ 3988.8usft
Project:	Eddy County, NM	MD Reference:	3970.8+18 @ 3988.8usft
Site:	Sec 11-T17S-R31E	North Reference:	Grid
Well:	Nosler 12 Federal DB 42H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,246.0	0.00	0.00	5,246.0	0.0	0.0	0.0	0.00	0.00	0.00

Microsoft
Planning Report



Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Site Sec 11-T17S-R31E
Company:	Mack Energy	TVD Reference:	3970.8+18 @ 3988.8usft
Project:	Eddy County, NM	MD Reference:	3970.8+18 @ 3988.8usft
Site:	Sec 11-T17S-R31E	North Reference:	Grid
Well:	Nosler 12 Federal DB 42H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
KOP BLD 8°/100'									
5,250.0	0.32	86.90	5,250.0	0.0	0.0	0.0	8.00	8.00	0.00
5,300.0	4.32	86.90	5,299.9	0.1	2.0	2.0	8.00	8.00	0.00
5,350.0	8.32	86.90	5,349.6	0.4	7.5	7.5	8.00	8.00	0.00
5,400.0	12.32	86.90	5,398.8	0.9	16.5	16.5	8.00	8.00	0.00
5,450.0	16.32	86.90	5,447.3	1.6	28.8	28.8	8.00	8.00	0.00
5,500.0	20.32	86.90	5,494.7	2.4	44.5	44.5	8.00	8.00	0.00
5,550.0	24.32	86.90	5,541.0	3.4	63.5	63.5	8.00	8.00	0.00
5,600.0	28.32	86.90	5,585.8	4.6	85.6	85.6	8.00	8.00	0.00
5,650.0	32.32	86.90	5,628.9	6.0	110.8	110.9	8.00	8.00	0.00
5,700.0	36.32	86.90	5,670.2	7.5	138.9	139.0	8.00	8.00	0.00
5,750.0	40.32	86.90	5,709.4	9.2	169.9	170.0	8.00	8.00	0.00
5,800.0	44.32	86.90	5,746.4	11.0	203.5	203.6	8.00	8.00	0.00
5,850.0	48.32	86.90	5,780.9	13.0	239.6	239.8	8.00	8.00	0.00
5,900.0	52.32	86.90	5,812.8	15.1	278.0	278.2	8.00	8.00	0.00
5,933.5	55.00	86.90	5,832.7	16.5	305.0	305.2	8.00	8.00	0.00
EOB HLD 55° Inc. 250'									
6,000.0	55.00	86.90	5,870.8	19.5	359.4	359.6	0.00	0.00	0.00
6,100.0	55.00	86.90	5,928.2	23.9	441.1	441.4	0.00	0.00	0.00
6,183.5	55.00	86.90	5,976.1	27.6	509.4	509.8	0.00	0.00	0.00
CONT BLD 10°/100'									
6,200.0	56.64	87.06	5,985.3	28.3	523.1	523.4	10.00	9.97	0.98
6,250.0	61.63	87.51	6,011.0	30.3	565.9	566.3	10.00	9.97	0.91
6,300.0	66.62	87.93	6,032.8	32.1	610.9	611.2	10.00	9.97	0.83
6,350.0	71.60	88.31	6,050.6	33.7	657.5	657.9	10.00	9.97	0.77
6,400.0	76.59	88.67	6,064.3	34.9	705.6	706.0	10.00	9.98	0.72
6,450.0	81.58	89.02	6,073.8	35.9	754.7	755.1	10.00	9.98	0.69
6,500.0	86.57	89.35	6,078.9	36.6	804.4	804.8	10.00	9.98	0.68
6,539.0	90.46	89.62	6,080.0	37.0	843.3	843.7	10.00	9.98	0.67
EOB HLD 90.46° Inc.									
6,600.0	90.46	89.62	6,079.5	37.4	904.4	904.8	0.00	0.00	0.00
6,700.0	90.46	89.62	6,078.7	38.0	1,004.3	1,004.8	0.00	0.00	0.00
6,800.0	90.46	89.62	6,077.9	38.7	1,104.3	1,104.8	0.00	0.00	0.00
6,900.0	90.46	89.62	6,077.1	39.4	1,204.3	1,204.8	0.00	0.00	0.00
7,000.0	90.46	89.62	6,076.3	40.1	1,304.3	1,304.8	0.00	0.00	0.00
7,100.0	90.46	89.62	6,075.5	40.7	1,404.3	1,404.7	0.00	0.00	0.00
7,200.0	90.46	89.62	6,074.7	41.4	1,504.3	1,504.7	0.00	0.00	0.00
7,300.0	90.46	89.62	6,073.9	42.1	1,604.3	1,604.7	0.00	0.00	0.00
7,400.0	90.46	89.62	6,073.1	42.7	1,704.3	1,704.7	0.00	0.00	0.00
7,500.0	90.46	89.62	6,072.3	43.4	1,804.3	1,804.7	0.00	0.00	0.00
7,600.0	90.46	89.62	6,071.5	44.1	1,904.3	1,904.7	0.00	0.00	0.00
7,700.0	90.46	89.62	6,070.7	44.8	2,004.3	2,004.7	0.00	0.00	0.00
7,800.0	90.46	89.62	6,069.9	45.4	2,104.3	2,104.7	0.00	0.00	0.00
7,900.0	90.46	89.62	6,069.1	46.1	2,204.3	2,204.7	0.00	0.00	0.00
8,000.0	90.46	89.62	6,068.3	46.8	2,304.3	2,304.7	0.00	0.00	0.00
8,100.0	90.46	89.62	6,067.5	47.4	2,404.3	2,404.7	0.00	0.00	0.00
8,200.0	90.46	89.62	6,066.7	48.1	2,504.3	2,504.7	0.00	0.00	0.00
8,300.0	90.46	89.62	6,066.0	48.8	2,604.3	2,604.7	0.00	0.00	0.00
8,400.0	90.46	89.62	6,065.2	49.5	2,704.3	2,704.7	0.00	0.00	0.00
8,500.0	90.46	89.62	6,064.4	50.1	2,804.3	2,804.7	0.00	0.00	0.00
8,600.0	90.46	89.62	6,063.6	50.8	2,904.2	2,904.7	0.00	0.00	0.00
8,700.0	90.46	89.62	6,062.8	51.5	3,004.2	3,004.7	0.00	0.00	0.00
8,800.0	90.46	89.62	6,062.0	52.1	3,104.2	3,104.7	0.00	0.00	0.00

Microsoft
Planning Report



Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Site Sec 11-T17S-R31E
Company:	Mack Energy	TVD Reference:	3970.8+18 @ 3988.8usft
Project:	Eddy County, NM	MD Reference:	3970.8+18 @ 3988.8usft
Site:	Sec 11-T17S-R31E	North Reference:	Grid
Well:	Nosler 12 Federal DB 42H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
8,900.0	90.46	89.62	6,061.2	52.8	3,204.2	3,204.7	0.00	0.00	0.00	
9,000.0	90.46	89.62	6,060.4	53.5	3,304.2	3,304.6	0.00	0.00	0.00	
9,100.0	90.46	89.62	6,059.6	54.2	3,404.2	3,404.6	0.00	0.00	0.00	
9,200.0	90.46	89.62	6,058.8	54.8	3,504.2	3,504.6	0.00	0.00	0.00	
9,300.0	90.46	89.62	6,058.0	55.5	3,604.2	3,604.6	0.00	0.00	0.00	
9,400.0	90.46	89.62	6,057.2	56.2	3,704.2	3,704.6	0.00	0.00	0.00	
9,500.0	90.46	89.62	6,056.4	56.8	3,804.2	3,804.6	0.00	0.00	0.00	
9,600.0	90.46	89.62	6,055.6	57.5	3,904.2	3,904.6	0.00	0.00	0.00	
9,700.0	90.46	89.62	6,054.8	58.2	4,004.2	4,004.6	0.00	0.00	0.00	
9,800.0	90.46	89.62	6,054.0	58.9	4,104.2	4,104.6	0.00	0.00	0.00	
9,900.0	90.46	89.62	6,053.2	59.5	4,204.2	4,204.6	0.00	0.00	0.00	
10,000.0	90.46	89.62	6,052.4	60.2	4,304.2	4,304.6	0.00	0.00	0.00	
10,100.0	90.46	89.62	6,051.6	60.9	4,404.2	4,404.6	0.00	0.00	0.00	
10,200.0	90.46	89.62	6,050.8	61.5	4,504.2	4,504.6	0.00	0.00	0.00	
10,306.7	90.46	89.62	6,050.0	62.3	4,610.9	4,611.3	0.00	0.00	0.00	
TD at 10306.7										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
BHL Nosler 12 Federal C - hit/miss target - Shape - Point	0.00	0.00	6,050.0	62.3	4,610.9	674,706.39	699,336.50	32° 51' 13.440 N	103° 49' 7.744 W	
LTP Nosler 12 Federal C - plan misses target center by 7.8usft at 10200.0usft MD (6050.8 TVD, 61.5 N, 4504.2 E) - Point	0.00	0.00	6,050.8	61.6	4,511.9	674,705.73	699,237.52	32° 51' 13.439 N	103° 49' 8.905 W	
FTP Nosler 12 Federal C - plan misses target center by 0.9usft at 6444.9usft MD (6073.0 TVD, 35.8 N, 749.6 E) - Point	0.00	0.00	6,073.0	34.9	749.6	674,679.08	695,475.22	32° 51' 13.354 N	103° 49' 53.011 W	

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
5,246.0	5,246.0	0.0	0.0	KOP BLD 8°/100'	
5,933.5	5,832.7	16.5	305.0	EOB HLD 55° Inc. 250'	
6,183.5	5,976.1	27.6	509.4	CONT BLD 10°/100'	
6,539.0	6,080.0	37.0	843.3	EOB HLD 90.46° Inc.	
10,306.7	6,050.0	62.3	4,610.9	TD at 10306.7	

Submit a Copy To Appropriate District Office
 District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV – (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

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

WELL API NO. 30-015-46417
5. Indicate Type of Lease STATE ☐ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Nosler 12 Federal DB
8. Well Number 42H
9. OGRID Number 013837
10. Pool name or Wildcat Fren; Glorieta Yeso
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3970'

SUNDRY NOTICES AND REPORTS ON WELLS (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.)	
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐	
2. Name of Operator Mack Energy Corporation	
3. Address of Operator P.O. Box 960 Artesia, NM 88211-0960	
4. Well Location Unit Letter <u>A</u> : <u>1020</u> feet from the <u>North</u> line and <u>650</u> feet from the <u>East</u> line Section <u>11</u> Township <u>17S</u> Range <u>31E</u> NMPM County <u>Eddy</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3970'	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐		OTHER: Completion ☒	

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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

10/17/2022 - 11/14/2022

Perforated 6,448' - 10,198 w/ 612 holes. Frac w/ 809 bbls 15% Acid, 11,644 SW, 1,189,610 100# Mesh, 2,298,388 40/70 White, 325,662 40/70 Resin. RIH w/ 185 jts 2 7/8". Summit SF1750 TS3AR set @ 6,036' Tag @6,099.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Delilah Flores TITLE Regulatory Technician I DATE 11/22/2022

Type or print name Delilah Flores E-mail address: delilah@mec.com PHONE: 575-748-1288

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 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-105 Revised April 3, 2017					
WELL COMPLETION OR RECOMPLETION REPORT AND LOG								1. WELL API NO. 30-015-46417		
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)								2. Type of Lease ☐ STATE ☐ FEE ☒ FED/INDIAN		
								3. State Oil & Gas Lease No.		
5. Lease Name or Unit Agreement Name Nosler 12 Federal DB								6. Well Number: 42H		
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER _____										
8. Name of Operator Mack Energy Corporation						9. OGRID 013837				
10. Address of Operator P.O. Box 960 Artesia, NM 88211-0960						11. Pool name or Wildcat Fren; Glorieta - Yeso				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	A	11	17S	31E		1020	North	650	East	Eddy
BH:	B	12	17S	31E		1001	North	1323	East	Eddy
13. Date Spudded 9/14/2022	14. Date T.D. Reached 9/23/2022		15. Date Rig Released 9/25/2022			16. Date Completed (Ready to Produce) 11/14/2022		17. Elevations (DF and RKB, RT, GR, etc.) 3970'		
18. Total Measured Depth of Well 10,303' / TVD 6,505'			19. Plug Back Measured Depth 10,254' / TVD 6,505'			20. Was Directional Survey Made? Yes		21. Type Electric and Other Logs Run Submitted		
22. Producing Interval(s), of this completion - Top, Bottom, Name 10,198' - 6,448 Fren; Glorieta - Yeso										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13 3/8"		48#		607'		17 1/2"		765 sx		
9 5/8"		36#		1996'		12 1/4"		605 sx		
7" & 5 1/2"		26# & 17#		10.303'		8 1/2"		1490 sx		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET	PACKER SET		
						2 7/8"	6,036'	6,099'		
26. Perforation record (interval, size, and number) 6,448' - 10,198', .42, 612 holes						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						6.448' - 10.198'		809 bbls 15% Acid, 121,644 SW, 100# Mesh, 1,189.610		
								2,298,388 40/70 White, 325,662 40/70 Resin		
28. PRODUCTION										
Date First Production 11/16/2022		Production Method (Flowing, gas lift, pumping - Size and type pump) Summit SF1750 TS3 AR				Well Status (Prod. or Shut-in) Producing				
Date of Test 11/16/2022	Hours Tested 24 hrs	Choke Size	Prod'n For Test Period	Oil - Bbl 66	Gas - MCF 63	Water - Bbl. 1374	Gas - Oil Ratio 4158			
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl. 66	Gas - MCF 63	Water - Bbl. 1374	Oil Gravity - API - (Corr.) 35.5				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold							30. Test Witnessed By Robert Chase			
31. List Attachments										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.							33. Rig Release Date: 9/25/2022			
34. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude _____ Longitude _____ NAD83										
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief										
Signature <i>Delilah Flores</i>			Printed Name Delilah Flores			Title Regulatory Technician			Date 11/22/2022	
E-mail Address delilah@mec.com										

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 and not later than 60 days after completion of closure. When submitted as a completion report, this 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 11, 12 and 26-31 shall be reported for each zone.

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 1874'	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates 2058'	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers 2357'	T. Devonian	T. Cliff House	T. Leadville
T. Queen 2978'	T. Silurian	T. Menefee	T. Madison
T. Grayburg 3402'	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres 3717'	T. Simpson	T. Mancos	T. McCracken
T. Glorieta 5223'	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock 5296'	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand	T. Morrison	
T. Drinkard	T. Bone Springs	T. Todilto	
T. Abo	T.	T. Entrada	
T. Wolfcamp	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

No. 1, from.....to.....
No. 2, from.....to.....
No. 3, from.....to.....
No. 4, from.....to.....

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.....

From	To	Thickness In Feet	Lithology

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 Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 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

ACKNOWLEDGMENTS

Action 162192

ACKNOWLEDGMENTS

Operator: MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID: 13837
	Action Number: 162192
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

District I
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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

CONDITIONS

Action 162192

CONDITIONS

Operator: MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID: 13837
	Action Number: 162192
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	None	11/3/2023