

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Mack Energy Corporation P.O. Box 960 Artesia, NM 88210		² OGRID Number 013837
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 - 0 05-64330	⁵ Pool Name Round Tank; San Andres	⁶ Pool Code 52770
⁷ Property Code 325166	⁸ Property Name Meadow Lake Federal	⁹ Well Number 1H

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	28	15S	29E		565	North	990	East	Chaves

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
A	21	15S	29E		7	North	971	East	Chaves
¹² Lse Code F	¹³ Producing Method Code Pumping	¹⁴ Gas Connection Date 6/16/2022	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 4/13/2022	²² Ready Date 6/1/2022	²³ TD 8921'	²⁴ PBTD 8901'	²⁵ Perforations 3728-8820'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
17 1/2"		13 3/8"	233'		200
12 1/4"		9 5/8"	1202'		410
8 3/4"		7" & 5 1/2"	8921'		1740
		3 1/2"	3383'		

V. Well Test Data

³¹ Date New Oil 6/17/2022	³² Gas Delivery Date 6/16/2022	³³ Test Date 6/17/2022	³⁴ Test Length 24 hrs.	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 47	³⁹ Water 967	⁴⁰ Gas 38		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>Deana Weaver</i>			OIL CONSERVATION DIVISION		
Printed name: Deana Weaver			Approved by: John Garcia		
Title: Regulatory Technician II			Title: Engineer		
E-mail Address: dweaver@mec.com			Approval Date: 11/3/2022		
Date: 6/17/2022		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 30-005-64330	² Pool Code 52770	³ Pool Name Round Tank; San Andres
⁴ Property Code 325166	⁵ Property Name MEADOW LAKE FEDERAL COM	⁶ Well Number 1H
⁷ OGRID No. 13837	⁸ Operator Name MACK ENERGY CORPORATION	⁹ Elevation 3825.4

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	28	15 S	29 E		565	SOUTH	990	EAST	CHAVES

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
A	21	15 S	29 E		7	NORTH	971	EAST	CHAVES

¹² Dedicated Acres 160	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>Deana Weaver</i> 6/14/2022 Signature _____ Date _____ Deana Weaver Printed Name _____ dweaver@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. JUNE 8, 2022 Date of Survey _____ Signature and Seal of Professional Surveyor: Certificate Number: 12797

Intent ☐ As Drilled ☒

API #		
Operator Name: MACK ENERGY CORPORATION	Property Name: MEADOW LAKE FEDERAL COM	Well Number 1H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
A	28	15S	29E		573	NORTH	1000	EAST	CHAVES
Latitude 32.9924946					Longitude 104.0280112				NAD 83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
P	21	15S	29E		109	SOUTH	972	EAST	CHAVES
Latitude 32.9943674					Longitude 104.0279202				NAD 83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
A	21	15S	29E		107	NORTH	975	EAST	CHAVES
Latitude 33.0083521					Longitude 104.0281298				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

Chaves County

Sec 28-T15S-R29E

Meadow Lake Federal #1H

Lateral

Survey: Survey #1

Standard Survey Report

25 April, 2022



Microsoft
Survey Report



Company:	Mack Energy	Local Co-ordinate Reference:	Well Meadow Lake Federal #1H
Project:	Chaves County	TVD Reference:	3825.4+18 @ 3843.40usft
Site:	Sec 28-T15S-R29E	MD Reference:	3825.4+18 @ 3843.40usft
Well:	Meadow Lake Federal #1H	North Reference:	Grid
Wellbore:	Lateral	Survey Calculation Method:	Minimum Curvature
Design:	Lateral	Database:	EDM 5000.15 Single User Db

Project	Chaves County		
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 28-T15S-R29E			
Site Position:		Northing:	725,403.57 usft	Latitude:	32.993794
From:	Map	Easting:	631,215.12 usft	Longitude:	-104.040189
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.16 °

Well		Meadow Lake Federal #1H				
Well Position	+N/-S	0.00 usft	Northing:	724,949.08 usft	Latitude:	32.992515
	+E/-W	0.00 usft	Easting:	634,959.70 usft	Longitude:	-104.027980
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,825.40 usft

Wellbore	Lateral				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	04/18/22	6.70	60.62	47,840.00517068

Design	Lateral				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	2,276.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	359.22	

Survey Program	Date	04/25/22			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
132.00	2,276.00	Survey #1 (Pilot)	MWD	MWD - Standard	
2,391.00	8,921.00	Survey #1 (Lateral)	MWD	MWD - Standard	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
2,276.00	0.40	8.60	2,275.88	-8.08	-8.61	-7.96	0.00	0.00	0.00	
Tie-on Survey										
2,391.00	1.00	286.50	2,390.87	-7.40	-9.52	-7.27	0.89	0.52	-71.39	
1st Lateral MWD Survey										
2,423.00	2.90	272.60	2,422.85	-7.28	-10.59	-7.14	6.08	5.94	-43.44	
2,454.00	4.00	270.10	2,453.80	-7.25	-12.46	-7.08	3.58	3.55	-8.06	
2,581.00	1.80	312.00	2,580.64	-5.90	-18.37	-5.65	2.30	-1.73	32.99	
2,644.00	6.30	30.00	2,643.49	-2.24	-17.38	-2.01	9.81	7.14	123.81	
2,707.00	12.70	22.50	2,705.60	7.16	-12.99	7.33	10.33	10.16	-11.90	

Microsoft
Survey Report



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Well:	Meadow Lake Federal #1H	North Reference:	Grid
Wellbore:	Lateral	Survey Calculation Method:	Minimum Curvature
Design:	Lateral	Database:	EDM 5000.15 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
2,771.00	17.40	9.80	2,767.40	23.10	-8.67	23.22	8.93	7.34	-19.84	
2,834.00	20.10	3.50	2,827.06	43.19	-6.40	43.28	5.35	4.29	-10.00	
2,897.00	18.50	357.30	2,886.53	63.99	-6.21	64.07	4.12	-2.54	-9.84	
2,929.00	21.50	354.40	2,916.59	74.90	-7.03	74.99	9.87	9.37	-9.06	
2,960.00	24.00	355.30	2,945.18	86.84	-8.10	86.94	8.14	8.06	2.90	
3,024.00	30.40	1.60	3,002.08	116.03	-8.71	116.14	10.95	10.00	9.84	
3,087.00	36.20	5.20	3,054.72	150.52	-6.58	150.60	9.72	9.21	5.71	
3,150.00	41.50	4.20	3,103.77	189.90	-3.36	189.93	8.47	8.41	-1.59	
3,214.00	48.50	3.40	3,149.00	235.02	-0.38	235.01	10.97	10.94	-1.25	
3,277.00	53.10	3.60	3,188.80	283.74	2.60	283.68	7.31	7.30	0.32	
3,288.00	53.50	3.60	3,195.38	292.54	3.15	292.47	3.64	3.64	0.00	
3,298.00	53.60	3.80	3,201.32	300.57	3.67	300.49	1.89	1.00	2.00	
3,308.00	53.80	3.90	3,207.24	308.61	4.21	308.53	2.16	2.00	1.00	
3,318.00	53.80	3.90	3,213.15	316.66	4.76	316.57	0.00	0.00	0.00	
3,328.00	53.80	4.00	3,219.05	324.71	5.32	324.61	0.81	0.00	1.00	
3,338.00	53.70	4.00	3,224.96	332.76	5.88	332.65	1.00	-1.00	0.00	
3,348.00	53.70	4.20	3,230.88	340.80	6.46	340.68	1.61	0.00	2.00	
3,358.00	53.70	4.20	3,236.80	348.83	7.05	348.71	0.00	0.00	0.00	
3,368.00	53.60	4.30	3,242.73	356.87	7.64	356.73	1.28	-1.00	1.00	
3,378.00	53.60	4.30	3,248.67	364.89	8.25	364.75	0.00	0.00	0.00	
3,388.00	53.60	4.30	3,254.60	372.92	8.85	372.76	0.00	0.00	0.00	
3,398.00	53.60	4.30	3,260.53	380.95	9.45	380.78	0.00	0.00	0.00	
3,408.00	53.60	4.30	3,266.47	388.97	10.06	388.80	0.00	0.00	0.00	
3,418.00	53.60	4.30	3,272.40	397.00	10.66	396.82	0.00	0.00	0.00	
3,428.00	53.60	4.40	3,278.34	405.02	11.27	404.83	0.80	0.00	1.00	
3,438.00	53.50	4.40	3,284.28	413.04	11.89	412.84	1.00	-1.00	0.00	
3,448.00	53.50	4.40	3,290.23	421.06	12.51	420.85	0.00	0.00	0.00	
3,458.00	53.50	4.50	3,296.17	429.07	13.13	428.85	0.80	0.00	1.00	
3,468.00	53.50	4.70	3,302.12	437.09	13.77	436.86	1.61	0.00	2.00	
3,478.00	53.70	4.70	3,308.06	445.11	14.43	444.87	2.00	2.00	0.00	
3,488.00	54.00	4.30	3,313.96	453.16	15.07	452.91	4.41	3.00	-4.00	
3,492.00	54.20	4.10	3,316.30	456.39	15.30	456.14	6.43	5.00	-5.00	
3,531.00	57.10	359.30	3,338.31	488.56	16.24	488.29	12.59	7.44	-12.31	
3,594.00	67.50	359.00	3,367.56	544.25	15.40	543.99	16.51	16.51	-0.48	
3,657.00	78.50	0.90	3,385.95	604.40	15.38	604.14	17.70	17.46	3.02	
3,689.00	79.70	1.10	3,392.00	635.82	15.93	635.54	3.80	3.75	0.62	
3,720.00	79.50	1.20	3,397.60	666.31	16.54	666.02	0.72	-0.65	0.32	
3,784.00	82.80	356.90	3,407.45	729.51	15.48	729.23	8.41	5.16	-6.72	
3,847.00	89.70	356.90	3,411.57	792.25	12.08	792.01	10.95	10.95	0.00	
3,911.00	90.20	357.00	3,411.62	856.15	8.68	855.96	0.80	0.78	0.16	
3,974.00	90.60	357.20	3,411.18	919.07	5.49	918.91	0.71	0.63	0.32	
4,037.00	90.90	358.00	3,410.36	982.01	2.85	981.88	1.36	0.48	1.27	
4,089.00	90.80	359.10	3,409.59	1,033.99	1.54	1,033.87	2.12	-0.19	2.12	

Microsoft
Survey Report



Company:	Mack Energy	Local Co-ordinate Reference:	Well Meadow Lake Federal #1H
Project:	Chaves County	TVD Reference:	3825.4+18 @ 3843.40usft
Site:	Sec 28-T15S-R29E	MD Reference:	3825.4+18 @ 3843.40usft
Well:	Meadow Lake Federal #1H	North Reference:	Grid
Wellbore:	Lateral	Survey Calculation Method:	Minimum Curvature
Design:	Lateral	Database:	EDM 5000.15 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
4,153.00	90.70	359.00	3,408.75	1,097.97	0.48	1,097.87	0.22	-0.16	-0.16	
4,216.00	90.90	359.00	3,407.87	1,160.96	-0.62	1,160.86	0.32	0.32	0.00	
4,279.00	91.10	359.30	3,406.77	1,223.94	-1.56	1,223.85	0.57	0.32	0.48	
4,342.00	91.00	359.30	3,405.61	1,286.93	-2.33	1,286.84	0.16	-0.16	0.00	
4,406.00	91.00	359.20	3,404.50	1,350.91	-3.16	1,350.83	0.16	0.00	-0.16	
4,469.00	91.10	359.30	3,403.34	1,413.89	-3.99	1,413.82	0.22	0.16	0.16	
4,532.00	91.20	359.80	3,402.08	1,476.88	-4.48	1,476.80	0.81	0.16	0.79	
4,595.00	91.40	359.90	3,400.65	1,539.86	-4.65	1,539.78	0.35	0.32	0.16	
4,659.00	91.40	359.70	3,399.09	1,603.84	-4.87	1,603.76	0.31	0.00	-0.31	
4,722.00	91.50	0.00	3,397.49	1,666.82	-5.04	1,666.74	0.50	0.16	0.48	
4,785.00	91.60	359.90	3,395.79	1,729.80	-5.09	1,729.71	0.22	0.16	-0.16	
4,912.00	91.50	359.50	3,392.35	1,856.75	-5.76	1,856.66	0.32	-0.08	-0.31	
4,975.00	91.70	359.60	3,390.59	1,919.73	-6.25	1,919.63	0.35	0.32	0.16	
5,102.00	90.90	359.20	3,387.71	2,046.68	-7.58	2,046.60	0.70	-0.63	-0.31	
5,165.00	91.10	359.40	3,386.61	2,109.67	-8.35	2,109.59	0.45	0.32	0.32	
5,292.00	91.10	358.30	3,384.17	2,236.62	-10.90	2,236.56	0.87	0.00	-0.87	
5,355.00	91.20	358.30	3,382.91	2,299.58	-12.77	2,299.54	0.16	0.16	0.00	
5,419.00	91.30	358.50	3,381.51	2,363.54	-14.55	2,363.52	0.35	0.16	0.31	
5,482.00	91.30	358.70	3,380.08	2,426.50	-16.09	2,426.50	0.32	0.00	0.32	
5,545.00	91.30	358.90	3,378.65	2,489.47	-17.41	2,489.48	0.32	0.00	0.32	
5,609.00	91.40	358.90	3,377.15	2,553.44	-18.64	2,553.46	0.16	0.16	0.00	
5,672.00	91.50	359.10	3,375.55	2,616.41	-19.74	2,616.44	0.35	0.16	0.32	
5,735.00	91.60	359.00	3,373.85	2,679.38	-20.78	2,679.42	0.22	0.16	-0.16	
5,799.00	91.50	358.40	3,372.12	2,743.34	-22.23	2,743.39	0.95	-0.16	-0.94	
5,862.00	91.60	357.80	3,370.41	2,806.28	-24.32	2,806.35	0.97	0.16	-0.95	
5,925.00	90.30	357.80	3,369.37	2,869.23	-26.74	2,869.33	2.06	-2.06	0.00	
5,989.00	90.10	357.70	3,369.15	2,933.18	-29.25	2,933.30	0.35	-0.31	-0.16	
6,052.00	90.00	358.20	3,369.09	2,996.14	-31.51	2,996.29	0.81	-0.16	0.79	
6,115.00	90.00	358.70	3,369.09	3,059.11	-33.21	3,059.28	0.79	0.00	0.79	
6,178.00	90.10	358.80	3,369.04	3,122.10	-34.59	3,122.28	0.22	0.16	0.16	
6,241.00	89.90	359.20	3,369.04	3,185.09	-35.69	3,185.28	0.71	-0.32	0.63	
6,304.00	89.90	359.40	3,369.15	3,248.08	-36.45	3,248.28	0.32	0.00	0.32	
6,367.00	89.80	359.60	3,369.31	3,311.08	-37.00	3,311.28	0.35	-0.16	0.32	
6,430.00	89.90	359.30	3,369.48	3,374.08	-37.61	3,374.28	0.50	0.16	-0.48	
6,494.00	90.40	359.20	3,369.31	3,438.07	-38.45	3,438.28	0.80	0.78	-0.16	
6,557.00	90.40	359.20	3,368.87	3,501.06	-39.33	3,501.28	0.00	0.00	0.00	
6,620.00	91.30	359.50	3,367.93	3,564.05	-40.04	3,564.27	1.51	1.43	0.48	
6,683.00	92.00	0.00	3,366.12	3,627.03	-40.32	3,627.24	1.37	1.11	0.79	
6,746.00	92.00	0.60	3,363.92	3,689.99	-39.99	3,690.19	0.95	0.00	0.95	
6,810.00	90.80	359.30	3,362.36	3,753.96	-40.04	3,754.16	2.76	-1.87	-2.03	
6,873.00	90.90	359.90	3,361.42	3,816.96	-40.48	3,817.15	0.97	0.16	0.95	
6,936.00	90.90	359.90	3,360.43	3,879.95	-40.59	3,880.14	0.00	0.00	0.00	
6,999.00	91.60	358.80	3,359.06	3,942.93	-41.31	3,943.12	2.07	1.11	-1.75	
7,063.00	91.60	359.00	3,357.27	4,006.89	-42.53	4,007.10	0.31	0.00	0.31	

Microsoft
Survey Report



Company:	Mack Energy	Local Co-ordinate Reference:	Well Meadow Lake Federal #1H
Project:	Chaves County	TVD Reference:	3825.4+18 @ 3843.40usft
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Well:	Meadow Lake Federal #1H	North Reference:	Grid
Wellbore:	Lateral	Survey Calculation Method:	Minimum Curvature
Design:	Lateral	Database:	EDM 5000.15 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
7,126.00	91.50	359.20	3,355.57	4,069.86	-43.52	4,070.08	0.35	-0.16	0.32	
7,190.00	91.50	0.00	3,353.89	4,133.84	-43.97	4,134.05	1.25	0.00	1.25	
7,253.00	91.20	359.70	3,352.41	4,196.82	-44.14	4,197.03	0.67	-0.48	-0.48	
7,317.00	90.90	359.60	3,351.23	4,260.81	-44.53	4,261.02	0.49	-0.47	-0.16	
7,380.00	91.10	359.40	3,350.14	4,323.79	-45.08	4,324.01	0.45	0.32	-0.32	
7,443.00	91.00	359.20	3,348.98	4,386.78	-45.85	4,387.00	0.35	-0.16	-0.32	
7,507.00	91.10	358.70	3,347.81	4,450.76	-47.02	4,450.98	0.80	0.16	-0.78	
7,570.00	91.30	358.20	3,346.49	4,513.72	-48.72	4,513.96	0.85	0.32	-0.79	
7,633.00	91.50	358.60	3,344.95	4,576.68	-50.48	4,576.94	0.71	0.32	0.63	
7,697.00	91.30	358.50	3,343.39	4,640.64	-52.10	4,640.92	0.35	-0.31	-0.16	
7,760.00	91.30	358.60	3,341.96	4,703.60	-53.69	4,703.90	0.16	0.00	0.16	
7,823.00	91.20	359.10	3,340.58	4,766.57	-54.96	4,766.88	0.81	-0.16	0.79	
7,887.00	91.00	359.40	3,339.35	4,830.56	-55.79	4,830.87	0.56	-0.31	0.47	
7,950.00	90.80	359.90	3,338.36	4,893.55	-56.18	4,893.86	0.85	-0.32	0.79	
8,014.00	90.10	358.20	3,337.86	4,957.53	-57.24	4,957.85	2.87	-1.09	-2.66	
8,077.00	90.50	358.10	3,337.53	5,020.50	-59.27	5,020.84	0.65	0.63	-0.16	
8,140.00	90.40	358.40	3,337.04	5,083.47	-61.20	5,083.83	0.50	-0.16	0.48	
8,203.00	90.60	358.60	3,336.49	5,146.44	-62.85	5,146.82	0.45	0.32	0.32	
8,267.00	90.40	358.90	3,335.93	5,210.43	-64.24	5,210.82	0.56	-0.31	0.47	
8,330.00	90.30	359.10	3,335.54	5,273.41	-65.34	5,273.82	0.35	-0.16	0.32	
8,393.00	90.50	359.50	3,335.10	5,336.41	-66.11	5,336.81	0.71	0.32	0.63	
8,519.00	90.20	0.40	3,334.33	5,462.40	-66.22	5,462.80	0.75	-0.24	0.71	
8,646.00	90.50	1.20	3,333.56	5,589.39	-64.45	5,589.75	0.67	0.24	0.63	
8,772.00	90.10	0.00	3,332.90	5,715.38	-63.13	5,715.71	1.00	-0.32	-0.95	
8,872.00	90.90	1.20	3,332.03	5,815.37	-62.08	5,815.67	1.44	0.80	1.20	
Last MWD Survey 8872 MD/3332.03 TVD 5815.37 N -62.08 W N: 730764.4 E: 634897.6										
8,921.00	90.90	1.20	3,331.26	5,864.35	-61.06	5,864.64	0.00	0.00	0.00	
PTB 8921 MD/3331.26 TVD 5864.35 N -61.06 W N: 730813.4 E: 634898.6										

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
2,276.00	2,275.88	-8.08	-8.61	Tie-on Survey	
2,391.00	2,390.87	-7.40	-9.52	1st Lateral MWD Survey	
8,872.00	3,332.03	5,815.37	-62.08	Last MWD Survey 8872 MD/3332.03 TVD 5815.37 N -62.08 W N: 730764.4 E: 634897.6	
8,921.00	3,331.26	5,864.35	-61.06	PTB 8921 MD/3331.26 TVD 5864.35 N -61.06 W N: 730813.4 E: 634898.6	

Checked By: _____ Approved By: _____ Date: _____

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

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.)		WELL API NO. 30-005-64330
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☐ FEE ☐
2. Name of Operator Mack Energy Corporation		6. State Oil & Gas Lease No. NMNM-0390241
3. Address of Operator P.O. Box 960 Artesia, NM 88210		7. Lease Name or Unit Agreement Name Meadow Lake Federal
4. Well Location Unit Letter <u>A</u> : <u>565</u> feet from the <u>North</u> line and <u>990</u> feet from the <u>East</u> line Section <u>28</u> Township <u>15S</u> Range <u>29E</u> NMPM County <u>Chaves</u>		8. Well Number 1H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3825.4' GR		9. OGRID Number 013837
		10. Pool name or Wildcat Round Tank; San Andres

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.

5/12-6/1/2022 Perforated 3728-8820' w/ 672 holes. Frac w/ 52,863bbls 15% Acid, 11,442bbls Slickwater, 84,629bbls 20# Crosslink, 444,020# 100 Mesh, 862,010# 30/50 Brown, 3,700,950# 20/40 White, 895,560# 20/40 Resin. RIH w/ 102jts 3 1/2", J-55, 9.2# @ 3383', 85M1400 Stator @ 3424'.

Spud Date:

4/13/2022

Rig Release Date:

4/24/2022

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

SIGNATURE Deana Weaver TITLE Regulatory Technician II DATE 6/17/2022

Type or print name Deana Weaver E-mail address: dweaver@mec.com PHONE: 575-748-1288

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

Released to Imaging: 11/3/2022 11:15:32 AM

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 250	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 840	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates 970	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers 1225	T. Devonian	T. Cliff House	T. Leadville
T. Queen 1690	T. Silurian	T. Menefee	T. Madison
T. Grayburg 2110	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres 2420	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	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



Mack Energy
Project: Chaves County
Site: Sec 28-T15S-R29E
Well: Meadow Lake Federal #1H
Wellbore: Lateral
Plan: Lateral Plan #2 (Meadow Lake Federal #1H/Lateral)

WELL DETAILS: Meadow Lake Federal #1H
Ground Elevation: 3825.40
RKB Elevation: 3825.4+18 @ 3843.40usft
Rig Name:

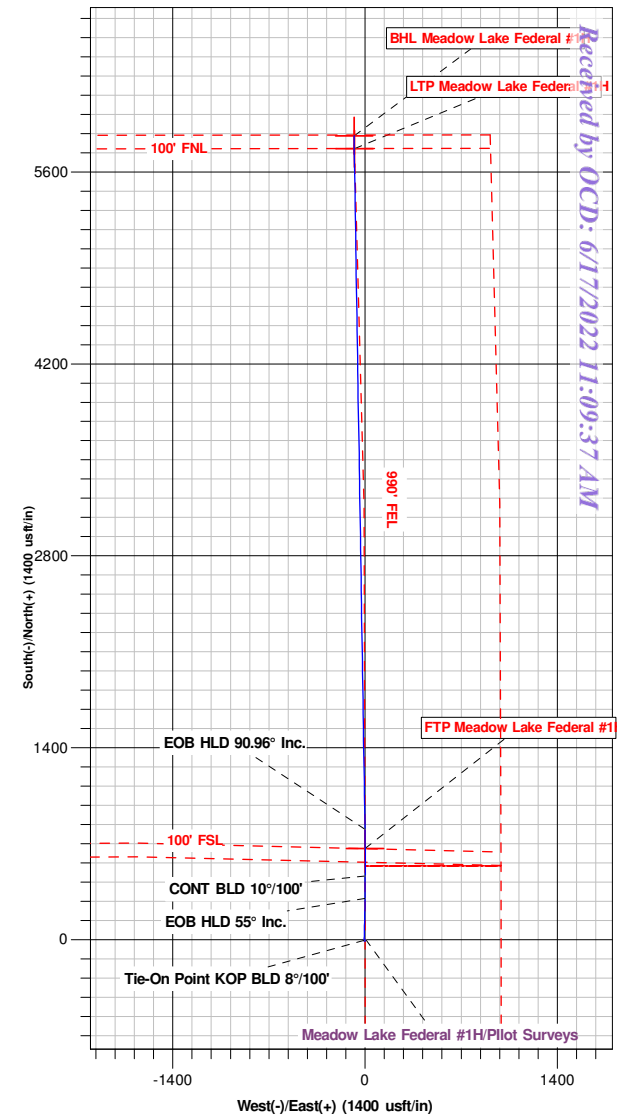
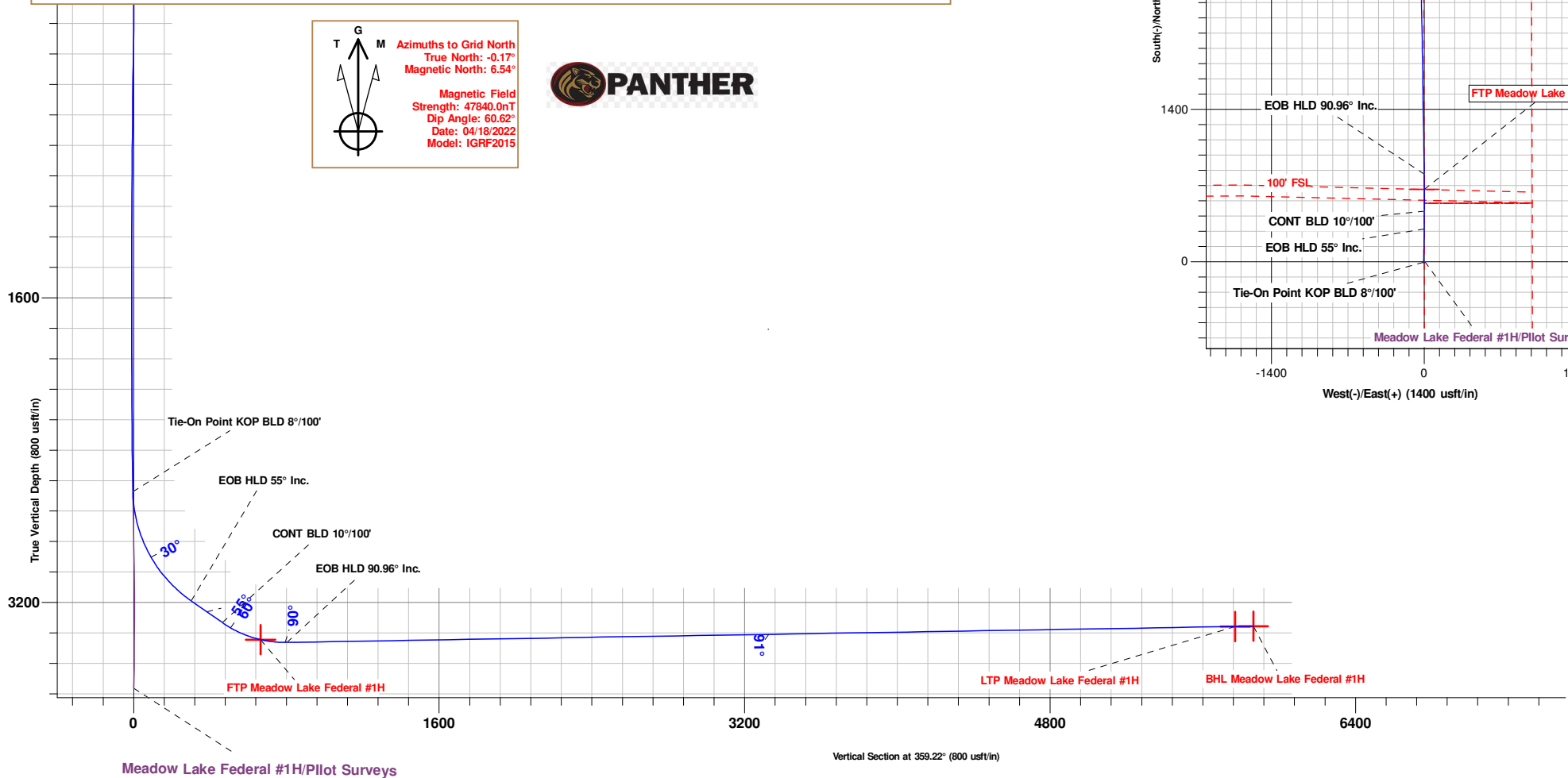
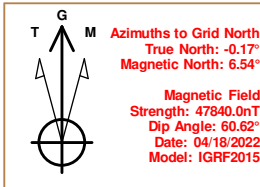
Northing	Easting	Latitude	Longitude
724949.08	634959.70	32.992515	-104.027980

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
BHL Meadow Lake Federal #1H	3325.00	5864.28	-79.85	730813.36	634879.85	33.008634	-104.028185
- plan hits target center							
LTP Meadow Lake Federal #1H	3326.59	5769.33	-77.36	730718.41	634882.34	33.008373	-104.028178
- plan misses target center by 1.01usft at 8819.58usft MD (3326.60 TVD, 5769.31 N, -78.37 E)							
FTP Meadow Lake Federal #1H	3395.40	665.06	-0.76	725614.14	634958.94	32.994343	-104.027976
- plan misses target center by 1.46usft at 3712.91usft MD (3395.41 TVD, 665.07 N, 0.70 E)							

Section Details

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect
2618.05	1.21	32.11	2617.90	-3.97	-7.97	0.00	0.00	-3.86
3292.67	55.00	0.55	3191.67	301.28	-1.00	8.00	-32.02	301.27
3492.67	55.00	0.55	3306.39	465.11	0.57	0.00	0.00	465.05
3852.55	90.96	359.11	3410.00	803.59	-0.87	10.00	-2.46	803.52
8914.57	90.96	359.11	3325.00	5864.28	-79.85	0.00	0.00	5864.82



District I

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District IV

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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

ACKNOWLEDGMENTS

Action 118359

ACKNOWLEDGMENTS

Operator: MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID: 13837
	Action Number: 118359
	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.

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

CONDITIONS

Action 118359

CONDITIONS

Operator: MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID: 13837
	Action Number: 118359
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	None	11/3/2022