

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 PO Box 960 Artesia, NM 88211-0960		² OGRID Number 013837	
		³ Reason for Filing Code/ Effective Date NW	
⁴ API Number 30 - 0 05-64325	⁵ Pool Name Round Tank; San Andres		⁶ Pool Code 52770
⁷ Property Code 314852	⁸ Property Name Yellowknife Federal		⁹ Well Number 3H

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
C	33	15S	29E		797	North	1650	West	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
C	28	15S	29E		3	North	1650	West	Chaves
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 3/13/23	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 PO Box 1600 Artesia, NM 88211-1600	O
036788	DCP Midstream 4001 Penbrook Odessa, TX 79762	G

IV. Well Completion Data

²¹ Spud Date 1/12/2023	²² Ready Date 3/13/2023	²³ TD 8934'/ TVD 3181	²⁴ PBTD 8883.20'/ TVD 3181	²⁵ Perforations 3793' - 8835' TVD 3253 - 3182	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
17 1/2"		13 3/8"		300'	300 sx
12 1/4"		9 5/8"		1200'	410 sx
8 3/4"		5 1/2" & 7"		8934'	1840 sx

V. Well Test Data

³¹ Date New Oil 3/26/2023	³² Gas Delivery Date 3/26/2023	³³ Test Date 3/26/2023	³⁴ Test Length 24 hr	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 55	³⁹ Water 1145	⁴⁰ Gas 27		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: Delilah Flores			OIL CONSERVATION DIVISION Approved by: Title: Approval Date: 		
Printed name: Delilah Flores					
Title: Regulatory Technician I					
E-mail Address: delilah@mec.com					
Date: 3/30/2023		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 30-005-64325	² Pool Code 52770	³ Pool Name Round Tank; San Andres
⁴ Property Code 314852	⁵ Property Name YELLOWKNIFE FEDERAL	⁶ Well Number 3H
⁷ OGRID No. 13837	⁸ Operator Name MACK ENERGY CORPORATION	⁹ Elevation 3788.9

¹⁰ Surface Location

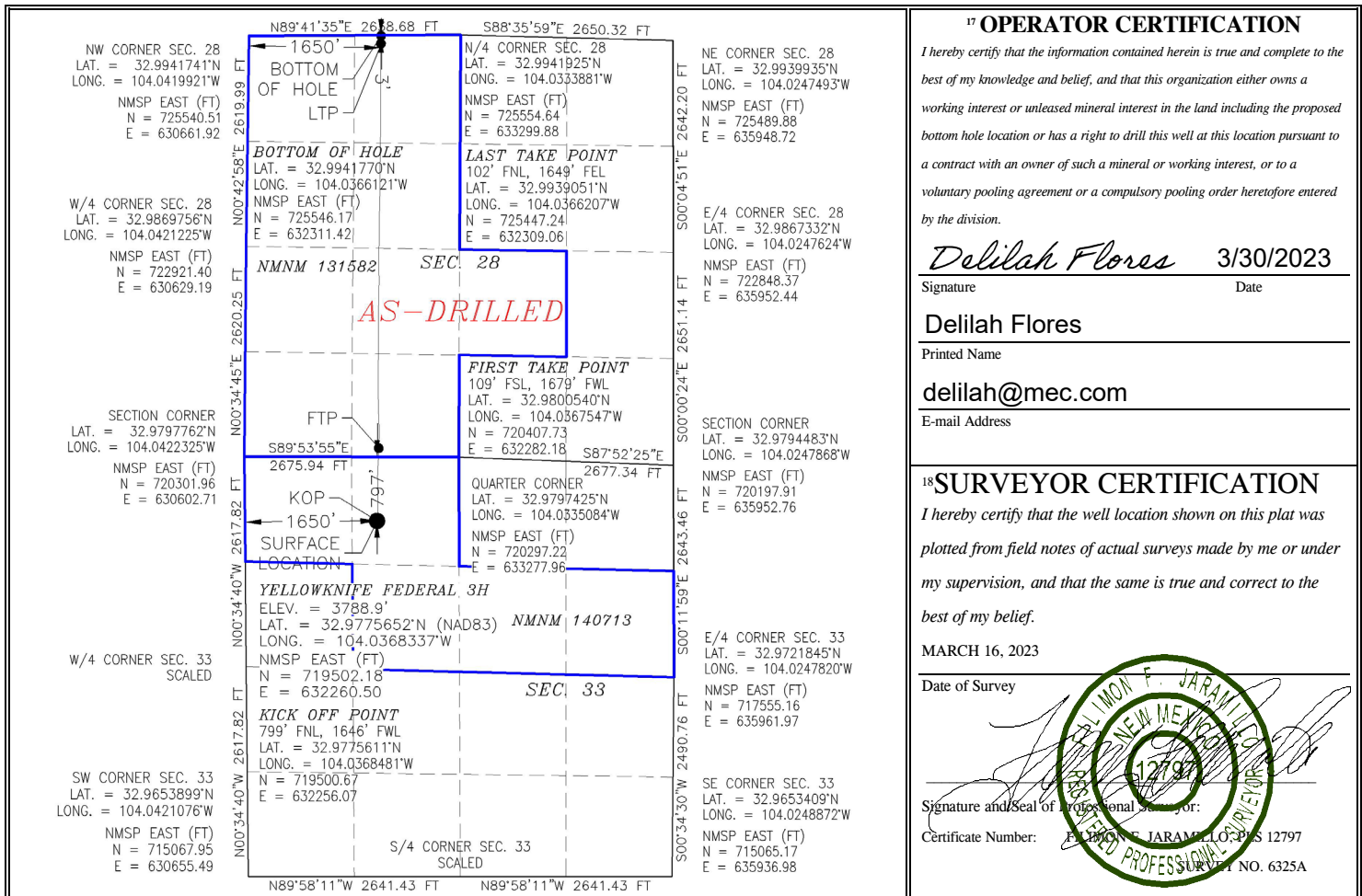
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	33	15 S	29 E		797	NORTH	1650	WEST	CHAVES

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
C	28	15 S	29 E		3	NORTH	1650	WEST	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.



Intent ☐ As Drilled ☒

API #		
Operator Name: MACK ENERGY CORPORATION	Property Name: YELLOWKNIFE FEDERAL	Well Number 3H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
C	33	15S	29E		799	NORTH	1646	WEST	CHAVES
Latitude 32.9775611					Longitude 104.0368481				NAD 83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
N	28	15S	29E		109	SOUTH	1679	WEST	CHAVES
Latitude 32.9800540					Longitude 104.0367547				NAD 83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
C	28	15S	29E		102	NORTH	1649	WEST	CHAVES
Latitude 32.9939051					Longitude 104.0366207				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 33-T15S-R29E

Yellowknife Federal 3H

Wellbore #2

Survey: Survey #1

Standard Survey Report

06 February, 2023



Microsoft
Survey Report



Company:	Mack Energy	Local Co-ordinate Reference:	Well Yellowknife Federal 3H
Project:	Chaves County	TVD Reference:	3788.9+18.8 @ 3807.70usft
Site:	Sec 33-T15S-R29E	MD Reference:	3788.9+18.8 @ 3807.70usft
Well:	Yellowknife Federal 3H	North Reference:	Grid
Wellbore:	Wellbore #2	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #2	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 33-T15S-R29E			
Site Position:		Northing:	719,502.18 usft	Latitude:	32.977565
From:	Map	Easting:	632,260.50 usft	Longitude:	-104.036834
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.16 °

Well	Yellowknife Federal 3H					
Well Position	+N/-S	0.00 usft	Northing:	719,502.18 usft	Latitude:	32.977565
	+E/-W	0.00 usft	Easting:	632,260.50 usft	Longitude:	-104.036834
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,788.90 usft

Wellbore	Wellbore #2				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	01/24/23	6.62	60.60	47,750.93088974

Design	Wellbore #2				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	2,425.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	0.49	

Survey Program	Date	02/06/23			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
153.00	2,425.00	Survey #1 (Pilot)	MWD	MWD - Standard	
2,486.00	8,934.00	Survey #1 (Wellbore #2)	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)	
2,425.00	0.20	232.50	2,424.58	-2.07	-4.19	-2.10	0.00	0.00	0.00	
Tie-on Survey 2425 MD/2424.58 TVD										
2,486.00	1.20	346.30	2,485.58	-1.51	-4.43	-1.55	2.12	1.64	186.56	
1st ST MWD Survey										
2,514.00	2.90	355.60	2,513.56	-0.52	-4.55	-0.56	6.17	6.07	33.21	
2,585.00	10.10	9.20	2,584.06	7.42	-3.70	7.39	10.30	10.14	19.15	
2,634.00	14.90	10.20	2,631.88	17.87	-1.89	17.86	9.81	9.80	2.04	
2,672.00	17.70	7.90	2,668.35	28.40	-0.23	28.40	7.56	7.37	-6.05	
2,734.00	22.90	6.00	2,726.48	49.75	2.33	49.77	8.45	8.39	-3.06	

Microsoft
Survey Report



Company:	Mack Energy	Local Co-ordinate Reference:	Well Yellowknife Federal 3H
Project:	Chaves County	TVD Reference:	3788.9+18.8 @ 3807.70usft
Site:	Sec 33-T15S-R29E	MD Reference:	3788.9+18.8 @ 3807.70usft
Well:	Yellowknife Federal 3H	North Reference:	Grid
Wellbore:	Wellbore #2	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #2	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)
2,796.00	27.70	4.60	2,782.52	76.13	4.74	76.17	7.80	7.74	-2.26
2,857.00	33.50	3.10	2,835.00	107.10	6.79	107.15	9.59	9.51	-2.46
2,920.00	39.00	1.70	2,885.79	144.30	8.32	144.37	8.83	8.73	-2.22
2,982.00	43.70	359.90	2,932.32	185.24	8.86	185.31	7.82	7.58	-2.90
3,043.00	48.70	359.20	2,974.53	229.25	8.51	229.32	8.24	8.20	-1.15
3,092.00	52.70	359.50	3,005.56	267.16	8.08	267.22	8.18	8.16	0.61
3,102.00	53.40	359.40	3,011.57	275.15	8.00	275.21	7.05	7.00	-1.00
3,112.00	53.70	359.70	3,017.51	283.20	7.94	283.25	3.85	3.00	3.00
3,122.00	54.00	359.80	3,023.41	291.27	7.90	291.33	3.11	3.00	1.00
3,132.00	54.40	359.80	3,029.26	299.38	7.88	299.44	4.00	4.00	0.00
3,142.00	54.60	359.80	3,035.07	307.52	7.85	307.58	2.00	2.00	0.00
3,152.00	54.90	359.80	3,040.84	315.69	7.82	315.74	3.00	3.00	0.00
3,162.00	55.20	359.80	3,046.57	323.89	7.79	323.94	3.00	3.00	0.00
3,172.00	55.60	359.70	3,052.24	332.12	7.75	332.17	4.08	4.00	-1.00
3,182.00	55.90	359.80	3,057.87	340.38	7.72	340.44	3.11	3.00	1.00
3,192.00	56.20	359.70	3,063.46	348.68	7.68	348.73	3.11	3.00	-1.00
3,202.00	56.50	359.80	3,069.00	357.00	7.65	357.05	3.11	3.00	1.00
3,212.00	56.70	359.70	3,074.50	365.35	7.61	365.40	2.17	2.00	-1.00
3,222.00	56.90	359.70	3,079.98	373.72	7.57	373.77	2.00	2.00	0.00
3,232.00	57.20	359.40	3,085.42	382.11	7.50	382.16	3.92	3.00	-3.00
3,242.00	57.40	359.40	3,090.82	390.52	7.41	390.57	2.00	2.00	0.00
3,252.00	57.60	359.40	3,096.19	398.96	7.32	399.01	2.00	2.00	0.00
3,262.00	57.90	359.40	3,101.53	407.41	7.24	407.46	3.00	3.00	0.00
3,272.00	58.10	359.40	3,106.83	415.89	7.15	415.94	2.00	2.00	0.00
3,282.00	58.30	359.40	3,112.10	424.39	7.06	424.44	2.00	2.00	0.00
3,292.00	58.50	359.30	3,117.34	432.91	6.96	432.95	2.17	2.00	-1.00
3,302.00	58.70	359.10	3,122.55	441.44	6.84	441.49	2.63	2.00	-2.00
3,312.00	58.90	359.10	3,127.73	450.00	6.71	450.04	2.00	2.00	0.00
3,322.00	59.10	359.10	3,132.88	458.57	6.57	458.61	2.00	2.00	0.00
3,332.00	59.30	359.20	3,138.00	467.16	6.45	467.19	2.18	2.00	1.00
3,342.00	59.50	359.10	3,143.09	475.76	6.32	475.80	2.18	2.00	-1.00
3,352.00	59.80	359.10	3,148.14	484.39	6.18	484.43	3.00	3.00	0.00
3,362.00	59.90	359.10	3,153.17	493.04	6.05	493.07	1.00	1.00	0.00
3,372.00	60.10	359.00	3,158.17	501.70	5.90	501.73	2.18	2.00	-1.00
3,382.00	60.40	359.00	3,163.13	510.38	5.75	510.41	3.00	3.00	0.00
3,392.00	61.20	359.10	3,168.01	519.11	5.61	519.13	8.05	8.00	1.00
3,415.00	63.80	359.90	3,178.63	539.50	5.43	539.53	11.72	11.30	3.48
3,477.00	69.90	1.70	3,202.99	596.48	6.25	596.51	10.19	9.84	2.90
3,539.00	73.30	3.70	3,222.56	655.23	9.03	655.28	6.28	5.48	3.23
3,601.00	76.70	2.30	3,238.60	715.02	12.15	715.10	5.90	5.48	-2.26
3,689.00	87.40	3.30	3,250.76	801.95	16.42	802.06	12.21	12.16	1.14
3,751.00	89.30	3.00	3,252.54	863.82	19.82	863.96	3.10	3.06	-0.48
3,812.00	90.80	1.80	3,252.49	924.77	22.38	924.92	3.15	2.46	-1.97

Microsoft
Survey Report



Company:	Mack Energy	Local Co-ordinate Reference:	Well Yellowknife Federal 3H
Project:	Chaves County	TVD Reference:	3788.9+18.8 @ 3807.70usft
Site:	Sec 33-T15S-R29E	MD Reference:	3788.9+18.8 @ 3807.70usft
Well:	Yellowknife Federal 3H	North Reference:	Grid
Wellbore:	Wellbore #2	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #2	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)	
3,874.00	91.00	1.00	3,251.52	986.74	23.89	986.91	1.33	0.32	-1.29	
3,936.00	92.00	1.10	3,249.89	1,048.71	25.03	1,048.88	1.62	1.61	0.16	
3,997.00	92.60	359.20	3,247.45	1,109.65	25.19	1,109.83	3.26	0.98	-3.11	
4,059.00	92.70	359.30	3,244.58	1,171.58	24.37	1,171.75	0.23	0.16	0.16	
4,121.00	90.20	358.20	3,243.01	1,233.54	23.02	1,233.69	4.41	-4.03	-1.77	
4,183.00	89.60	357.90	3,243.12	1,295.51	20.91	1,295.64	1.08	-0.97	-0.48	
4,245.00	90.30	358.10	3,243.17	1,357.47	18.75	1,357.58	1.17	1.13	0.32	
4,307.00	90.70	358.50	3,242.63	1,419.44	16.91	1,419.53	0.91	0.65	0.65	
4,368.00	90.90	358.50	3,241.78	1,480.41	15.31	1,480.49	0.33	0.33	0.00	
4,430.00	91.60	358.60	3,240.43	1,542.38	13.74	1,542.44	1.14	1.13	0.16	
4,554.00	90.20	0.50	3,238.48	1,666.35	12.77	1,666.40	1.90	-1.13	1.53	
4,616.00	90.70	0.10	3,237.99	1,728.35	13.10	1,728.39	1.03	0.81	-0.65	
4,677.00	90.90	0.30	3,237.14	1,789.34	13.31	1,789.39	0.46	0.33	0.33	
4,738.00	91.30	0.40	3,235.97	1,850.33	13.68	1,850.38	0.68	0.66	0.16	
4,863.00	90.20	0.40	3,234.33	1,975.31	14.55	1,975.36	0.88	-0.88	0.00	
4,925.00	90.80	0.40	3,233.79	2,037.31	14.99	2,037.36	0.97	0.97	0.00	
4,986.00	91.10	0.80	3,232.78	2,098.29	15.63	2,098.35	0.82	0.49	0.66	
5,110.00	90.00	0.00	3,231.59	2,222.28	16.49	2,222.34	1.10	-0.89	-0.65	
5,171.00	90.50	359.90	3,231.32	2,283.28	16.44	2,283.34	0.84	0.82	-0.16	
5,233.00	90.70	0.10	3,230.68	2,345.28	16.44	2,345.33	0.46	0.32	0.32	
5,295.00	91.10	0.10	3,229.70	2,407.27	16.55	2,407.32	0.65	0.65	0.00	
5,356.00	91.60	0.00	3,228.26	2,468.25	16.60	2,468.31	0.84	0.82	-0.16	
5,480.00	90.20	0.80	3,226.32	2,592.23	17.46	2,592.29	1.30	-1.13	0.65	
5,542.00	90.60	1.00	3,225.88	2,654.22	18.44	2,654.28	0.72	0.65	0.32	
5,603.00	91.00	1.00	3,225.03	2,715.21	19.50	2,715.27	0.66	0.66	0.00	
5,665.00	91.30	1.60	3,223.79	2,777.18	20.91	2,777.26	1.08	0.48	0.97	
5,788.00	90.30	0.80	3,222.07	2,900.14	23.49	2,900.23	1.04	-0.81	-0.65	
5,850.00	90.50	0.50	3,221.64	2,962.13	24.19	2,962.23	0.58	0.32	-0.48	
5,912.00	90.40	359.40	3,221.15	3,024.13	24.13	3,024.22	1.78	-0.16	-1.77	
5,973.00	90.90	359.70	3,220.46	3,085.12	23.66	3,085.21	0.96	0.82	0.49	
6,034.00	91.10	359.40	3,219.39	3,146.11	23.18	3,146.19	0.59	0.33	-0.49	
6,096.00	91.60	359.80	3,217.93	3,208.09	22.74	3,208.17	1.03	0.81	0.65	
6,158.00	90.50	0.00	3,216.80	3,270.08	22.64	3,270.15	1.80	-1.77	0.32	
6,220.00	90.90	0.30	3,216.04	3,332.08	22.80	3,332.15	0.81	0.65	0.48	
6,282.00	91.30	0.70	3,214.85	3,394.06	23.34	3,394.14	0.91	0.65	0.65	
6,344.00	91.60	0.70	3,213.28	3,456.04	24.10	3,456.12	0.48	0.48	0.00	
6,405.00	90.50	0.50	3,212.16	3,517.02	24.73	3,517.11	1.83	-1.80	-0.33	
6,467.00	90.40	0.10	3,211.68	3,579.02	25.06	3,579.10	0.66	-0.16	-0.65	
6,529.00	90.90	0.70	3,210.97	3,641.01	25.49	3,641.10	1.26	0.81	0.97	
6,591.00	91.40	0.60	3,209.73	3,703.00	26.20	3,703.09	0.82	0.81	-0.16	
6,653.00	90.20	1.10	3,208.86	3,764.98	27.11	3,765.08	2.10	-1.94	0.81	
6,715.00	90.50	1.10	3,208.48	3,826.97	28.30	3,827.07	0.48	0.48	0.00	
6,777.00	90.90	1.00	3,207.73	3,888.95	29.44	3,889.06	0.67	0.65	-0.16	
6,838.00	91.20	1.40	3,206.61	3,949.93	30.72	3,950.05	0.82	0.49	0.66	

Microsoft
Survey Report



Company:	Mack Energy	Local Co-ordinate Reference:	Well Yellowknife Federal 3H
Project:	Chaves County	TVD Reference:	3788.9+18.8 @ 3807.70usft
Site:	Sec 33-T15S-R29E	MD Reference:	3788.9+18.8 @ 3807.70usft
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Design:	Wellbore #2	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)	
6,900.00	90.40	1.20	3,205.74	4,011.91	32.12	4,012.04	1.33	-1.29	-0.32	
6,962.00	90.70	1.00	3,205.15	4,073.89	33.31	4,074.03	0.58	0.48	-0.32	
7,023.00	91.30	0.80	3,204.08	4,134.88	34.27	4,135.02	1.04	0.98	-0.33	
7,147.00	90.40	0.10	3,202.24	4,258.86	35.25	4,259.00	0.92	-0.73	-0.56	
7,209.00	91.00	0.40	3,201.49	4,320.85	35.52	4,321.00	1.08	0.97	0.48	
7,334.00	90.80	1.00	3,199.52	4,445.83	37.04	4,445.98	0.51	-0.16	0.48	
7,395.00	91.20	0.90	3,198.46	4,506.81	38.06	4,506.97	0.68	0.66	-0.16	
7,519.00	90.20	0.80	3,196.94	4,630.78	39.89	4,630.96	0.81	-0.81	-0.08	
7,581.00	90.50	0.40	3,196.56	4,692.78	40.54	4,692.95	0.81	0.48	-0.65	
7,643.00	91.00	0.90	3,195.75	4,754.77	41.25	4,754.95	1.14	0.81	0.81	
7,704.00	91.60	0.80	3,194.37	4,815.75	42.15	4,815.93	1.00	0.98	-0.16	
7,766.00	90.50	0.50	3,193.23	4,877.73	42.85	4,877.92	1.84	-1.77	-0.48	
7,827.00	91.00	0.50	3,192.43	4,938.72	43.39	4,938.91	0.82	0.82	0.00	
7,889.00	90.10	0.30	3,191.84	5,000.72	43.82	5,000.91	1.49	-1.45	-0.32	
7,951.00	90.40	0.40	3,191.57	5,062.72	44.20	5,062.91	0.51	0.48	0.16	
8,013.00	90.90	0.80	3,190.87	5,124.71	44.85	5,124.91	1.03	0.81	0.65	
8,075.00	90.70	0.00	3,190.00	5,186.70	45.28	5,186.90	1.33	-0.32	-1.29	
8,199.00	89.30	359.60	3,190.00	5,310.70	44.85	5,310.89	1.17	-1.13	-0.32	
8,260.00	89.70	359.30	3,190.53	5,371.69	44.26	5,371.87	0.82	0.66	-0.49	
8,322.00	89.90	359.90	3,190.75	5,433.69	43.83	5,433.87	1.02	0.32	0.97	
8,383.00	90.30	0.00	3,190.64	5,494.69	43.78	5,494.86	0.68	0.66	0.16	
8,445.00	90.70	0.00	3,190.10	5,556.69	43.78	5,556.86	0.65	0.65	0.00	
8,507.00	91.10	0.10	3,189.13	5,618.68	43.83	5,618.85	0.67	0.65	0.16	
8,569.00	91.50	0.60	3,187.72	5,680.66	44.21	5,680.83	1.03	0.65	0.81	
8,693.00	90.00	0.90	3,186.10	5,804.64	45.83	5,804.82	1.23	-1.21	0.24	
8,755.00	90.50	1.20	3,185.83	5,866.63	46.97	5,866.81	0.94	0.81	0.48	
8,817.00	90.90	1.10	3,185.07	5,928.61	48.21	5,928.80	0.67	0.65	-0.16	
8,872.00	91.10	1.40	3,184.11	5,983.59	49.41	5,983.79	0.66	0.36	0.55	
Last MWD Survey 8872 MD/3184.11 TVD 5983.59 N 49.41 E N: 725485.7 E: 632309.9										
8,934.00	91.10	1.40	3,182.92	6,045.56	50.93	6,045.77	0.00	0.00	0.00	
PTB 8934 MD/3182.92 TVD 6054.56 N 50.93 E N: 725547.7 E: 632311.4										

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
2,425.00	2,424.58	-2.07	-4.19	Tie-on Survey 2425 MD/2424.58 TVD	
2,486.00	2,485.58	-1.51	-4.43	1st ST MWD Survey	
8,872.00	3,184.11	5,983.59	49.41	Last MWD Survey 8872 MD/3184.11 TVD 5983.59 N 49.41 E N: 725485.7 E: 632309.9	
8,934.00	3,182.92	6,045.56	50.93	PTB 8934 MD/3182.92 TVD 6054.56 N 50.93 E N: 725547.7 E: 632311.4	

Checked By: _____	Approved By: _____	Date: _____
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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. 30-005-64325
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.
3. Address of Operator PO Box 960 Artesia, NM 88211-0960		7. Lease Name or Unit Agreement Name Yellowknife Federal
4. Well Location Unit Letter <u>C</u> : <u>797</u> feet from the <u>North</u> line and <u>1650</u> feet from the <u>West</u> line Section <u>33</u> Township <u>15S</u> Range <u>29E</u> NMPM County <u>Chaves</u>		8. Well Number <u>3H</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3788.9		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 ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
DOWNHOLE COMMINGLE ☐	P AND A ☐
CLOSED-LOOP SYSTEM ☐	CASING/CEMENT JOB ☐
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.

2/28/2023 - 3/10/2023 Perforated 3793' - 8835' w/ 672 holes. Frac w/ 3216.22 bbls 15% Acid, 4728.2 SW, 58,637.6 xlink, 259,7603# 100 Mesh, 460,420# 30/50 Brown, 2,142,570# 20/40 White, 388,900# 20/40 Resin. RIH w/ 99 jts 3 1/2 tbg. 85 M1400 Stator set @ 3290', tag @ 3328'.

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 3/30/2023

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										
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)								5. Lease Name or Unit Agreement Name Yellowknife Federal		
								6. Well Number: 3H		
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 PO Box 960 Artesia, NM 88211-0960						11. Pool name or Wildcat Round Tank; San Andres				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	C	33	15S	29E		797	North	1650	West	Chaves
BH:	C	28	15S	29E		3	North	1650	West	Chaves
13. Date Spudded 1/12/2023	14. Date T.D. Reached 2/5/2023		15. Date Rig Released 2/6/2023		16. Date Completed (Ready to Produce) 3/13/2023			17. Elevations (DF and RKB, RT, GR, etc.) 3788.9		
18. Total Measured Depth of Well 8934' / TVD 3181'			19. Plug Back Measured Depth 8883.20' / TVD 3181'		20. Was Directional Survey Made? Yes			21. Type Electric and Other Logs Run Submitted		
22. Producing Interval(s), of this completion - Top, Bottom, Name 3793' - 8835' Round Tank; San Andres										
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"		54.5#		300'		17 1/2"		300 sx		
9 5/8"		36#		1200'		12 1/4"		410 sx		
5 1/2" & 7"		26# & 17#		8934'		8 3/4"		1840 sx		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET		PACKER SET		
26. Perforation record (interval, size, and number) 3793' - 8835', .42, 672 holes					27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
					DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED			
					3793' - 8835'		3216.22 bbls 15% Acid, 4728.2 SW, 58,637.6 xlink,			
							259,760 100# Mesh, 460,420 30/50 Brown,			
							2,142,570 20/40 White, 388,900 20/40 Resin			
28. PRODUCTION										
Date First Production 3/26/2023		Production Method (Flowing, gas lift, pumping - Size and type pump) 85 M1400 Stator				Well Status (Prod. or Shut-in) Producing				
Date of Test 3/26/2023	Hours Tested 24 hr	Choke Size	Prod'n For Test Period	Oil - Bbl 55	Gas - MCF 27	Water - Bbl. 1145		Gas - Oil Ratio 490		
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl. 55	Gas - MCF 27	Water - Bbl. 1145		Oil Gravity - API - (Corr.) 36.9			
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: 2/6/2023		
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 I			Date 3/30/2023	
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 458'	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 825'	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates 972'	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers 1214'	T. Devonian	T. Cliff House	T. Leadville
T. Queen 1711'	T. Silurian	T. Menefee	T. Madison
T. Grayburg 2116'	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres 2438'	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

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 203395

ACKNOWLEDGMENTS

Operator: MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID: 13837
	Action Number: 203395
	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 203395

CONDITIONS

Operator: MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID: 13837
	Action Number: 203395
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

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