

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 - 005-64326	⁵ Pool Name Round Tank; San Andres		⁶ Pool Code 52770
⁷ Property Code 323013	⁸ Property Name Spruce Grove Federal Com		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
B	28	15S	29E		565	North	2285	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
B	21	15S	29E		7	North	2278	East	Chaves
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 8/10/2022	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 04/27/2022	²² Ready Date 7/15/2022	²³ TD 8853'/TVD 3297'	²⁴ PBDT 8828'/TVD 3297'	²⁵ Perforations 3907'- 8755' 3290' - 3207' TVD	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
17 1/2"		13 3/8"	262'		300 sx
12 1/4"		9 5/8"	1208'		220 SX 420 SX
8 3/4"		5 1/2" & 7"	8853'		1530 sx

V. Well Test Data

³¹ Date New Oil 8/9/2022	³² Gas Delivery Date	³³ Test Date 24 hr	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 200	³⁹ Water 1151	⁴⁰ Gas 86		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: <i>John Garcia</i> Title: <i>Engineer</i> Approval Date: <i>12/16/22</i>		
Printed name: <i>Delilah Flores</i>					
Title: <i>Regulatory Technician I</i>					
E-mail Address: <i>delilah@mec.com</i>					
Date: <i>8/11/2022</i>		Phone: <i>575-748-1288</i>			

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 30-005-64326	² Pool Code 52770	³ Pool Name Round Tank; San Andres
⁴ Property Code 323013	⁵ Property Name SPRUCE GROVE FEDERAL COM	⁶ Well Number 1H
⁷ OGRID No. 13837	⁸ Operator Name MACK ENERGY CORPORATION	⁹ Elevation 3817.5

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
B	28	15 S	29 E		565	NORTH	2285	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
B	21	15 S	29 E		7	NORTH	2278	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. <u>Delilah Flores</u> 7/15/2022 Signature Date <u>Delilah Flores</u> Printed Name <u>delilah@gmail.com</u> 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. JULY 13, 2022 Date of Survey <u>DELILAH FLORES</u> Signature and Seal of Professional Surveyor: (LS 12797) Certificate Number: 6317A
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Intent ☐ As Drilled ☒

API #		
Operator Name: MACK ENERGY CORPORATION	Property Name: SPRUCE GROVE FEDERAL COM	Well Number 1H

Kick Off Point (KOP)

UL B	Section 28	Township 15S	Range 29E	Lot	Feet 573	From N/S NORTH	Feet 2279	From E/W EAST	County CHAVES
Latitude 32.9925886					Longitude 104.0321827				NAD 83

First Take Point (FTP)

UL O	Section 21	Township 15S	Range 29E	Lot	Feet 321	From N/S SOUTH	Feet 2292	From E/W EAST	County CHAVES
Latitude 32.9950476					Longitude 104.0322236				NAD 83

Last Take Point (LTP)

UL B	Section 21	Township 15S	Range 29E	Lot	Feet 105	From N/S NORTH	Feet 2280	From E/W EAST	County CHAVES
Latitude 33.0083644					Longitude 104.0323860				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

Spruce Grove Federal Com #1H

Wellbore #1

Survey: Survey #1

Standard Survey Report

06 May, 2022



Microsoft
Survey Report



Company:	Mack Energy	Local Co-ordinate Reference:	Well Spruce Grove Federal Com #1H
Project:	Chaves County	TVD Reference:	3817.5+18 @ 3835.50usft
Site:	Sec 28-T15S-R29E	MD Reference:	3817.5+18 @ 3835.50usft
Well:	Spruce Grove Federal Com #1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	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		Spruce Grove Federal Com #1H				
Well Position	+N/-S	0.00 usft	Northing:	724,980.69 usft	Latitude:	32.992612
	+E/-W	0.00 usft	Easting:	633,664.98 usft	Longitude:	-104.032203
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,817.50 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	04/19/22	6.70	60.62	47,839.39220268

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	359.22	

Survey Program	Date	05/06/22			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
138.00	8,853.00	Survey #1 (Wellbore #1)	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)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
138.00	0.60	234.75	138.00	-0.42	-0.59	-0.41	0.43	0.43	0.00	
1st MWD Survey										
213.00	0.70	203.75	212.99	-1.06	-1.10	-1.05	0.48	0.13	-41.33	
289.00	0.80	184.10	288.99	-2.02	-1.32	-2.00	0.36	0.13	-25.86	
408.00	1.50	139.20	407.96	-4.02	-0.36	-4.02	0.92	0.59	-37.73	
504.00	0.50	54.90	503.95	-4.74	0.80	-4.75	1.60	-1.04	-87.81	
630.00	0.70	32.70	629.94	-3.77	1.67	-3.79	0.24	0.16	-17.62	
757.00	0.70	46.10	756.94	-2.58	2.65	-2.62	0.13	0.00	10.55	
884.00	0.80	44.80	883.92	-1.41	3.83	-1.47	0.08	0.08	-1.02	
1,010.00	0.70	52.90	1,009.91	-0.33	5.06	-0.39	0.12	-0.08	6.43	

Microsoft
Survey Report



Company:	Mack Energy	Local Co-ordinate Reference:	Well Spruce Grove Federal Com #1H
Project:	Chaves County	TVD Reference:	3817.5+18 @ 3835.50usft
Site:	Sec 28-T15S-R29E	MD Reference:	3817.5+18 @ 3835.50usft
Well:	Spruce Grove Federal Com #1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	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)
1,137.00	0.70	38.70	1,136.90	0.75	6.17	0.66	0.14	0.00	-11.18
1,252.00	0.40	55.70	1,251.90	1.52	6.94	1.43	0.29	-0.26	14.78
1,378.00	0.40	54.10	1,377.90	2.03	7.66	1.92	0.01	0.00	-1.27
1,505.00	0.60	54.50	1,504.89	2.67	8.56	2.56	0.16	0.16	0.31
1,632.00	0.40	43.90	1,631.89	3.38	9.41	3.25	0.17	-0.16	-8.35
1,759.00	0.40	102.30	1,758.88	3.61	10.15	3.47	0.31	0.00	45.98
1,885.00	1.50	203.20	1,884.87	2.00	9.93	1.86	1.29	0.87	80.08
2,011.00	1.50	203.50	2,010.83	-1.03	8.62	-1.15	0.01	0.00	0.24
2,139.00	1.20	203.20	2,138.79	-3.80	7.42	-3.90	0.23	-0.23	-0.23
2,265.00	0.90	189.00	2,264.77	-5.99	6.75	-6.08	0.31	-0.24	-11.27
2,392.00	0.60	187.70	2,391.76	-7.64	6.50	-7.72	0.24	-0.24	-1.02
2,518.00	0.30	221.30	2,517.75	-8.54	6.20	-8.62	0.31	-0.24	26.67
2,582.00	2.50	335.50	2,581.73	-7.39	5.51	-7.47	4.12	3.44	178.44
2,645.00	7.80	355.00	2,644.46	-1.88	4.57	-1.94	8.74	8.41	30.95
2,708.00	14.10	1.40	2,706.29	10.06	4.38	10.00	10.17	10.00	10.16
2,772.00	19.00	2.50	2,767.62	28.28	5.03	28.21	7.67	7.66	1.72
2,835.00	23.30	0.00	2,826.36	50.99	5.47	50.91	6.97	6.83	-3.97
2,898.00	27.40	357.20	2,883.28	77.94	4.76	77.87	6.78	6.51	-4.44
2,961.00	31.60	359.30	2,938.10	108.94	3.85	108.88	6.86	6.67	3.33
3,025.00	35.50	1.20	2,991.43	144.30	4.04	144.23	6.31	6.09	2.97
3,088.00	38.30	2.30	3,041.81	182.10	5.21	182.02	4.57	4.44	1.75
3,151.00	42.70	2.70	3,089.70	222.97	7.00	222.85	7.00	6.98	0.63
3,215.00	47.40	1.00	3,134.91	268.23	8.43	268.09	7.58	7.34	-2.66
3,278.00	53.50	0.00	3,175.00	316.78	8.84	316.63	9.76	9.68	-1.59
3,288.00	53.80	359.90	3,180.93	324.83	8.83	324.68	3.11	3.00	-1.00
3,298.00	53.90	359.90	3,186.83	332.91	8.81	332.76	1.00	1.00	0.00
3,308.00	53.90	359.90	3,192.72	340.99	8.80	340.83	0.00	0.00	0.00
3,318.00	54.00	0.00	3,198.61	349.07	8.79	348.92	1.29	1.00	1.00
3,328.00	54.10	0.00	3,204.48	357.17	8.79	357.01	1.00	1.00	0.00
3,338.00	54.10	0.00	3,210.34	365.27	8.79	365.11	0.00	0.00	0.00
3,348.00	54.20	0.10	3,216.20	373.37	8.80	373.22	1.29	1.00	1.00
3,358.00	54.20	0.10	3,222.05	381.48	8.81	381.33	0.00	0.00	0.00
3,368.00	54.30	0.20	3,227.89	389.60	8.84	389.44	1.29	1.00	1.00
3,378.00	54.30	0.30	3,233.73	397.72	8.87	397.56	0.81	0.00	1.00
3,388.00	54.40	0.30	3,239.55	405.85	8.91	405.69	1.00	1.00	0.00
3,398.00	54.50	0.40	3,245.37	413.98	8.96	413.82	1.29	1.00	1.00
3,408.00	54.50	0.50	3,251.18	422.12	9.03	421.96	0.81	0.00	1.00
3,418.00	54.50	0.50	3,256.98	430.26	9.10	430.10	0.00	0.00	0.00
3,428.00	54.50	0.60	3,262.79	438.40	9.18	438.24	0.81	0.00	1.00
3,438.00	54.50	0.60	3,268.60	446.54	9.26	446.38	0.00	0.00	0.00
3,448.00	54.60	0.70	3,274.40	454.69	9.35	454.52	1.29	1.00	1.00
3,458.00	54.60	0.70	3,280.19	462.84	9.45	462.67	0.00	0.00	0.00
3,468.00	54.60	0.80	3,285.98	470.99	9.56	470.82	0.82	0.00	1.00

Microsoft
Survey Report



Company:	Mack Energy	Local Co-ordinate Reference:	Well Spruce Grove Federal Com #1H
Project:	Chaves County	TVD Reference:	3817.5+18 @ 3835.50usft
Site:	Sec 28-T15S-R29E	MD Reference:	3817.5+18 @ 3835.50usft
Well:	Spruce Grove Federal Com #1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	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)	
3,478.00	54.60	0.90	3,291.77	479.14	9.68	478.97	0.82	0.00	1.00	
3,488.00	54.60	1.00	3,297.57	487.29	9.82	487.11	0.82	0.00	1.00	
3,498.00	54.60	1.10	3,303.36	495.44	9.97	495.26	0.82	0.00	1.00	
3,505.00	55.20	0.60	3,307.39	501.17	10.05	500.98	10.37	8.57	-7.14	
3,532.00	58.70	358.50	3,322.11	523.79	9.86	523.61	14.51	12.96	-7.78	
3,595.00	68.60	355.70	3,350.04	580.09	6.95	579.95	16.21	15.71	-4.44	
3,658.00	76.40	355.30	3,368.97	639.95	2.24	639.86	12.40	12.38	-0.63	
3,722.00	79.20	356.30	3,382.50	702.33	-2.34	702.29	4.63	4.37	1.56	
3,785.00	84.10	357.30	3,391.64	764.54	-5.81	764.55	7.93	7.78	1.59	
3,817.00	86.50	358.40	3,394.26	796.41	-7.01	796.43	8.25	7.50	3.44	
3,848.00	86.90	358.70	3,396.05	827.35	-7.79	827.38	1.61	1.29	0.97	
3,912.00	89.90	359.10	3,397.83	891.30	-9.02	891.34	4.73	4.69	0.62	
3,975.00	90.20	358.80	3,397.78	954.29	-10.18	954.34	0.67	0.48	-0.48	
4,027.00	90.60	358.90	3,397.42	1,006.28	-11.22	1,006.34	0.79	0.77	0.19	
4,091.00	90.80	359.00	3,396.63	1,070.27	-12.39	1,070.33	0.35	0.31	0.16	
4,154.00	91.00	359.10	3,395.65	1,133.25	-13.44	1,133.33	0.35	0.32	0.16	
4,218.00	91.40	359.20	3,394.30	1,197.23	-14.39	1,197.31	0.64	0.62	0.16	
4,281.00	91.50	359.40	3,392.71	1,260.20	-15.16	1,260.29	0.35	0.16	0.32	
4,344.00	91.90	359.50	3,390.84	1,323.17	-15.76	1,323.26	0.65	0.63	0.16	
4,407.00	92.20	359.50	3,388.59	1,386.13	-16.31	1,386.22	0.48	0.48	0.00	
4,470.00	92.50	359.60	3,386.00	1,449.07	-16.80	1,449.17	0.50	0.48	0.16	
4,534.00	91.80	359.70	3,383.60	1,513.03	-17.19	1,513.12	1.10	-1.09	0.16	
4,597.00	91.30	359.90	3,381.90	1,576.00	-17.41	1,576.09	0.85	-0.79	0.32	
4,660.00	91.50	0.20	3,380.36	1,638.99	-17.36	1,639.07	0.57	0.32	0.48	
4,723.00	91.30	0.30	3,378.82	1,701.97	-17.08	1,702.04	0.35	-0.32	0.16	
4,786.00	91.70	0.30	3,377.17	1,764.94	-16.75	1,765.01	0.63	0.63	0.00	
4,913.00	91.40	359.00	3,373.74	1,891.89	-17.53	1,891.95	1.05	-0.24	-1.02	
4,977.00	92.00	359.20	3,371.84	1,955.85	-18.53	1,955.93	0.99	0.94	0.31	
5,040.00	91.30	358.80	3,370.02	2,018.82	-19.63	2,018.90	1.28	-1.11	-0.63	
5,103.00	91.40	359.00	3,368.54	2,081.79	-20.84	2,081.88	0.35	0.16	0.32	
5,166.00	91.50	359.20	3,366.95	2,144.76	-21.83	2,144.86	0.35	0.16	0.32	
5,230.00	90.20	358.40	3,366.00	2,208.74	-23.17	2,208.85	2.38	-2.03	-1.25	
5,293.00	90.60	358.50	3,365.56	2,271.71	-24.88	2,271.84	0.65	0.63	0.16	
5,356.00	90.60	358.40	3,364.90	2,334.69	-26.58	2,334.83	0.16	0.00	-0.16	
5,419.00	90.80	358.50	3,364.13	2,397.66	-28.28	2,397.82	0.35	0.32	0.16	
5,482.00	91.10	358.40	3,363.08	2,460.63	-29.99	2,460.81	0.50	0.48	-0.16	
5,609.00	91.40	359.00	3,360.31	2,587.56	-32.87	2,587.77	0.53	0.24	0.47	
5,736.00	91.70	359.10	3,356.88	2,714.50	-34.97	2,714.72	0.25	0.24	0.08	
5,862.00	91.50	359.00	3,353.36	2,840.43	-37.06	2,840.67	0.18	-0.16	-0.08	
5,989.00	91.40	358.50	3,350.14	2,967.36	-39.83	2,967.63	0.40	-0.08	-0.39	
6,116.00	91.80	358.60	3,346.60	3,094.27	-43.04	3,094.57	0.32	0.31	0.08	
6,242.00	92.20	358.80	3,342.20	3,220.16	-45.90	3,220.49	0.35	0.32	0.16	
6,368.00	92.00	359.80	3,337.58	3,346.07	-47.44	3,346.40	0.81	-0.16	0.79	

Microsoft
Survey Report



Company:	Mack Energy	Local Co-ordinate Reference:	Well Spruce Grove Federal Com #1H
Project:	Chaves County	TVD Reference:	3817.5+18 @ 3835.50usft
Site:	Sec 28-T15S-R29E	MD Reference:	3817.5+18 @ 3835.50usft
Well:	Spruce Grove Federal Com #1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	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)	
6,495.00	90.40	359.20	3,334.92	3,473.03	-48.55	3,473.37	1.35	-1.26	-0.47	
6,621.00	90.50	359.40	3,333.94	3,599.02	-50.09	3,599.36	0.18	0.08	0.16	
6,747.00	90.90	359.60	3,332.40	3,725.00	-51.19	3,725.35	0.35	0.32	0.16	
6,874.00	91.30	0.10	3,329.96	3,851.98	-51.52	3,852.32	0.50	0.31	0.39	
7,001.00	91.90	0.60	3,326.41	3,978.92	-50.74	3,979.25	0.61	0.47	0.39	
7,127.00	90.80	359.50	3,323.44	4,104.89	-50.63	4,105.19	1.23	-0.87	-0.87	
7,254.00	90.50	359.90	3,322.00	4,231.87	-51.30	4,232.18	0.39	-0.24	0.31	
7,317.00	90.20	359.90	3,321.62	4,294.87	-51.41	4,295.17	0.48	-0.48	0.00	
7,380.00	90.40	0.30	3,321.29	4,357.87	-51.30	4,358.17	0.71	0.32	0.63	
7,506.00	90.50	359.60	3,320.30	4,483.87	-51.41	4,484.15	0.56	0.08	-0.56	
7,632.00	91.10	358.50	3,318.54	4,609.84	-53.50	4,610.14	0.99	0.48	-0.87	
7,696.00	91.20	359.00	3,317.25	4,673.81	-54.89	4,674.12	0.80	0.16	0.78	
7,759.00	91.30	358.90	3,315.88	4,736.78	-56.05	4,737.11	0.22	0.16	-0.16	
7,822.00	91.10	358.50	3,314.56	4,799.75	-57.48	4,800.09	0.71	-0.32	-0.63	
7,886.00	91.20	359.10	3,313.28	4,863.72	-58.82	4,864.07	0.95	0.16	0.94	
7,949.00	91.30	359.20	3,311.90	4,926.70	-59.75	4,927.06	0.22	0.16	0.16	
8,012.00	90.70	358.10	3,310.80	4,989.67	-61.23	4,990.04	1.99	-0.95	-1.75	
8,076.00	90.80	358.40	3,309.96	5,053.64	-63.19	5,054.03	0.49	0.16	0.47	
8,139.00	90.90	358.90	3,309.03	5,116.61	-64.67	5,117.02	0.81	0.16	0.79	
8,202.00	91.10	359.50	3,307.93	5,179.60	-65.55	5,180.01	1.00	0.32	0.95	
8,266.00	91.10	359.70	3,306.70	5,243.58	-66.00	5,244.00	0.31	0.00	0.31	
8,329.00	91.10	0.10	3,305.49	5,306.57	-66.11	5,306.98	0.63	0.00	0.63	
8,393.00	91.10	0.80	3,304.26	5,370.56	-65.61	5,370.95	1.09	0.00	1.09	
8,456.00	90.60	359.20	3,303.33	5,433.55	-65.61	5,433.94	2.66	-0.79	-2.54	
8,519.00	90.60	359.30	3,302.67	5,496.54	-66.43	5,496.93	0.16	0.00	0.16	
8,583.00	90.90	358.00	3,301.83	5,560.52	-67.94	5,560.92	2.08	0.47	-2.03	
8,646.00	91.00	358.20	3,300.79	5,623.47	-70.03	5,623.90	0.35	0.16	0.32	
8,709.00	91.00	358.70	3,299.69	5,686.44	-71.73	5,686.89	0.79	0.00	0.79	
8,773.00	91.30	359.20	3,298.40	5,750.42	-72.90	5,750.87	0.91	0.47	0.78	
8,804.00	91.30	359.70	3,297.70	5,781.41	-73.20	5,781.87	1.61	0.00	1.61	
Last MWD Survey 8804 MD/3297.70 TVD 5781.41 N -73.20 W N: 730762.1 E: 633591.7										
8,853.00	91.30	359.70	3,296.59	5,830.39	-73.46	5,830.85	0.00	0.00	0.00	
PTB 8853 MD/3296.59 TVD 5830.39 N -73.46 W N: 730811.0 E: 633591.5										

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
138.00	138.00	-0.42	-0.59	1st MWD Survey	
8,804.00	3,297.70	5,781.41	-73.20	Last MWD Survey 8804 MD/3297.70 TVD 5781.41 N -73.20 W N: 730762.1 E:	
8,853.00	3,296.59	5,830.39	-73.46	PTB 8853 MD/3296.59 TVD 5830.39 N -73.46 W N: 730811.0 E: 633591.5	

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

WELL API NO. 30-005-64326
5. Indicate Type of Lease STATE ☐ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Spruce Grove Federal Com
8. Well Number 1H
9. OGRID Number 013837
10. Pool name or Wildcat Round Tank, San Andres

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>B</u> : <u>565</u> feet from the <u>North</u> line and <u>2285</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>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3818'	

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.

7/4/2022 - 7/15/2022 Perforated 3907'-8755' w/ 648 holes. Frac w/ 29,785 bbls 15% Acid, 93,778 SW, 106,013 xlink, 420,340 # 100 Mesh, 730,180 30/50 Brown, 3,627,880 20/40 White, 641,520 20/40 Resin. RIH w/ 102 jts 3 1/2" tbg. Stator 85 M1400HN70 Set @8586' Tag @8593'.

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 8/11/2022

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										
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 Spruce Grove Federal Com		
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER _____								6. Well Number: 1H		
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 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:	B	28	15S	29E		565	North	2285	East	Chaves
BH:	B	21	15S	29E		7	North	2278	East	Chaves
13. Date Spudded 4/27/2022	14. Date T.D. Reached 5/4/2022		15. Date Rig Released 5/6/2022		16. Date Completed (Ready to Produce) 7/15/2022			17. Elevations (DF and RKB, RT, GR, etc.) 3818'		
18. Total Measured Depth of Well 8853' TVD 3297'			19. Plug Back Measured Depth 8828' TVD 3297'		20. Was Directional Survey Made? Yes			21. Type Electric and Other Logs Run Submitted		
22. Producing Interval(s), of this completion - Top, Bottom, Name 3907'-8755' 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"		48#		262'		17 1/2"		300 sx		
9 5/8"		36#		1208"		12 1/4"		220 sx		
5 1/2" & 7"		26# & 17#		8853'		8 3/4"		1530 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) 3907' - 8755', .42, 648 holes					27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
					DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED			
					3907'-8755'		27,785 bbls 15% Acid, 93,778 SW, 106,013 xlink, 100 # Mesh			
							420,340, 30/50 Brown 730,180, 20/40 White 3,627,880, 20/40			
							Resin 641,520			
28. PRODUCTION										
Date First Production 8/9/2022		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) 85 M1400 Stator				Well Status (<i>Prod. or Shut-in</i>) Producing				
Date of Test 8/10/2022	Hours Tested 24 hr	Choke Size	Prod'n For Test Period	Oil - Bbl 295	Gas - MCF 86	Water - Bbl. 1151	Gas - Oil Ratio 2537			
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl. 200	Gas - MCF 86	Water - Bbl. 1151	Oil Gravity - API - (<i>Corr.</i>) 35.7				
29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) 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: 5/6/2022		
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 8/11/2022	
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 270'	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 755'	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates 925'	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers 1170'	T. Devonian	T. Cliff House	T. Leadville
T. Queen 1650'	T. Silurian	T. Menefee	T. Madison
T. Grayburg 2047'	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres 2350'	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

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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 134503

ACKNOWLEDGMENTS

Operator: MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID: 13837
	Action Number: 134503
	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 134503

CONDITIONS

Operator: MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID: 13837
	Action Number: 134503
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	None	12/16/2022