

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 - 005-64321		⁵ Pool Name Round Tank; San Andres			⁶ Pool Code 52770
⁷ Property Code 320814		⁸ Property Name Prince George Federal Com			⁹ Well Number 2H

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
P	20	15S	29E		565	South	965	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
P	29	15S	29E		3	South	965	East	Chaves
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 5/31/2022	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 3/16/2022	²² Ready Date 5/31/2022	²³ TD 8785'/ TVD 3207'	²⁴ PBTD 8738' /TVD 3208'	²⁵ Perforations 3648'-8679'/ TVD 3301'- 3210'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
17 1/2"		13 3/8"	250'		200 sx
12 1/4"		9 5/8"	1201'		410 sx
8 3/4"		5 1/2" & 7"	8785'		1740sx

V. Well Test Data

³¹ Date New Oil 6/19/2022	³² Gas Delivery Date 6/18/2022	³³ Test Date 6/19/2022	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 75	³⁹ Water 1199	⁴⁰ Gas 33		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: John Garcia Title: Engineer Approval Date: 		
Printed name: Delilah Flores					
Title: Regulatory Technician I					
E-mail Address: delilah@mec.com					
Date: 6/22/2022		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	² Pool Code 52770	³ Pool Name Round Tank; San Andres
⁴ Property Code 320814	⁵ Property Name PRINCE GEORGE FEDERAL COM	⁶ Well Number 2H
⁷ OGRID No. 13837	⁸ Operator Name MACK ENERGY CORPORATION	⁹ Elevation 3789.1

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
P	20	15 S	29 E		565	SOUTH	965	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
P	29	15 S	29 E		3	SOUTH	965	EAST	CHAVES

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

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> 6/14/2022 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. JUNE 13, 2022 Date of Survey <i>DELILAH FLORES</i> Signature and Seal of Professional Surveyor: (Seal of Delilah Flores, License No. 12797) Certificate Number: 12797 Survey No. 6321A
--	--

Intent ☐ As Drilled ☒

API #		
Operator Name: MACK ENERGY CORPORATION	Property Name: PRINCE GEORGE FEDERAL COM	Well Number 2H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
P	20	15S	29E		581	SOUTH	953	EAST	CHAVES
Latitude 32.9957720					Longitude 104.0451521				NAD 83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
A	29	15S	29E		107	NORTH	980	EAST	CHAVES
Latitude 32.9938832					Longitude 104.0451927				NAD 83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
P	29	15S	29E		109	SOUTH	964	EAST	CHAVES
Latitude 32.9800653					Longitude 104.0453715				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 20-T15S-R29E

Prince George Federal Com #2H

Wellbore #1

Survey: Survey #1

Standard Survey Report

30 March, 2022



Microsoft
Survey Report



Company:	Mack Energy	Local Co-ordinate Reference:	Well Prince Geroge Federal Com #2H
Project:	Chaves County	TVD Reference:	3789.1+18 @ 3807.10usft
Site:	Sec 20-T15S-R29E	MD Reference:	3789.1+18 @ 3807.10usft
Well:	Prince Geroge Federal Com #2H	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 20-T15S-R29E		
Site Position:		Northing:	725,582.19 usft
From:	Map	Easting:	626,879.18 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.994317
		Longitude:	-104.054330
		Grid Convergence:	0.15 °

Well	Prince Geroge Federal Com #2H		
Well Position	+N/-S	0.00 usft	Northing: 726,103.58 usft
	+E/-W	0.00 usft	Easting: 629,679.97 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
		Latitude:	32.995729
		Longitude:	-104.045190
		Ground Level:	3,789.10 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	01/11/22	6.74
			Dip Angle (°)
			60.63
			Field Strength (nT)
			47,867.86365663

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)
	0.00	0.00	0.00
			Direction (°)
			180.41

Survey Program	Date	03/30/22		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
133.00	8,785.00	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
133.00	0.70	347.77	133.00	0.79	-0.17	-0.79	0.53	0.53	0.00
1st MWD Survey									
192.00	0.40	150.77	192.00	0.97	-0.15	-0.97	1.85	-0.51	276.27
311.00	0.70	87.20	310.99	0.64	0.78	-0.65	0.53	0.25	-53.42
435.00	0.70	12.30	434.98	1.42	1.70	-1.43	0.69	0.00	-60.40
562.00	1.50	88.50	561.96	2.22	3.53	-2.24	1.18	0.63	60.00
688.00	1.30	77.50	687.93	2.57	6.57	-2.62	0.27	-0.16	-8.73
814.00	0.80	35.50	813.91	3.60	8.48	-3.66	0.70	-0.40	-33.33
941.00	0.70	36.20	940.90	4.94	9.45	-5.01	0.08	-0.08	0.55
1,068.00	0.70	12.50	1,067.89	6.33	10.08	-6.40	0.23	0.00	-18.66

Microsoft
Survey Report



Company:	Mack Energy	Local Co-ordinate Reference:	Well Prince Geroge Federal Com #2H
Project:	Chaves County	TVD Reference:	3789.1+18 @ 3807.10usft
Site:	Sec 20-T15S-R29E	MD Reference:	3789.1+18 @ 3807.10usft
Well:	Prince Geroge Federal Com #2H	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)
1,144.00	0.60	33.00	1,143.88	7.11	10.39	-7.19	0.33	-0.13	26.97
1,245.00	1.10	5.80	1,244.87	8.52	10.78	-8.60	0.62	0.50	-26.93
1,372.00	1.00	18.10	1,371.85	10.79	11.25	-10.87	0.19	-0.08	9.69
1,498.00	1.00	16.90	1,497.83	12.89	11.91	-12.97	0.02	0.00	-0.95
1,624.00	0.80	10.30	1,623.82	14.80	12.38	-14.89	0.18	-0.16	-5.24
1,751.00	0.60	5.70	1,750.81	16.34	12.61	-16.43	0.16	-0.16	-3.62
1,878.00	0.50	346.90	1,877.80	17.54	12.55	-17.63	0.16	-0.08	-14.80
2,004.00	0.40	23.50	2,003.80	18.48	12.60	-18.57	0.24	-0.08	29.05
2,130.00	0.60	128.70	2,129.79	18.47	13.29	-18.56	0.64	0.16	83.49
2,257.00	0.40	125.50	2,256.79	17.79	14.17	-17.90	0.16	-0.16	-2.52
2,384.00	1.40	234.00	2,383.78	16.63	13.28	-16.72	1.24	0.79	85.43
2,415.00	1.90	240.60	2,414.76	16.15	12.52	-16.24	1.72	1.61	21.29
2,447.00	2.00	242.10	2,446.74	15.63	11.57	-15.71	0.35	0.31	4.69
2,479.00	2.80	233.20	2,478.72	14.90	10.45	-14.97	2.75	2.50	-27.81
2,510.00	4.30	222.10	2,509.66	13.58	9.06	-13.65	5.30	4.84	-35.81
2,542.00	6.40	213.00	2,541.52	11.20	7.29	-11.25	7.06	6.56	-28.44
2,574.00	7.80	207.00	2,573.27	7.77	5.33	-7.80	4.95	4.37	-18.75
2,605.00	10.10	200.10	2,603.89	3.34	3.44	-3.36	8.17	7.42	-22.26
2,637.00	9.90	199.90	2,635.41	-1.88	1.54	1.87	0.63	-0.62	-0.62
2,668.00	10.70	199.90	2,665.91	-7.09	-0.35	7.10	2.58	2.58	0.00
2,700.00	12.20	198.60	2,697.27	-13.09	-2.44	13.11	4.76	4.69	-4.06
2,731.00	14.50	197.00	2,727.43	-19.91	-4.62	19.94	7.51	7.42	-5.16
2,763.00	17.10	196.00	2,758.22	-28.26	-7.09	28.31	8.17	8.12	-3.12
2,795.00	20.40	193.30	2,788.51	-38.22	-9.67	38.29	10.66	10.31	-8.44
2,827.00	23.70	190.10	2,818.17	-49.98	-12.08	50.07	10.97	10.31	-10.00
2,858.00	26.70	185.80	2,846.22	-63.05	-13.88	63.15	11.33	9.68	-13.87
2,889.00	29.30	181.80	2,873.59	-77.56	-14.82	77.67	10.34	8.39	-12.90
2,921.00	31.60	180.10	2,901.18	-93.77	-15.08	93.88	7.67	7.19	-5.31
2,953.00	34.20	179.90	2,928.04	-111.15	-15.08	111.26	8.13	8.12	-0.62
2,985.00	36.00	180.90	2,954.22	-129.55	-15.21	129.66	5.90	5.62	3.12
3,016.00	37.50	179.70	2,979.06	-148.10	-15.30	148.21	5.36	4.84	-3.87
3,048.00	40.30	178.10	3,003.96	-168.19	-14.91	168.29	9.30	8.75	-5.00
3,080.00	43.70	176.60	3,027.74	-189.57	-13.91	189.67	11.08	10.62	-4.69
3,112.00	47.10	176.50	3,050.21	-212.31	-12.54	212.40	10.63	10.62	-0.31
3,143.00	49.60	176.90	3,070.81	-235.43	-11.21	235.51	8.12	8.06	1.29
3,175.00	51.80	177.40	3,091.07	-260.16	-9.98	260.23	6.98	6.87	1.56
3,207.00	53.10	177.70	3,110.58	-285.51	-8.89	285.57	4.13	4.06	0.94
3,217.00	53.20	177.70	3,116.57	-293.51	-8.57	293.56	1.00	1.00	0.00
3,228.00	53.20	177.90	3,123.16	-302.31	-8.23	302.36	1.46	0.00	1.82
3,238.00	53.10	177.90	3,129.16	-310.31	-7.94	310.35	1.00	-1.00	0.00
3,248.00	53.10	177.90	3,135.16	-318.30	-7.65	318.34	0.00	0.00	0.00
3,259.00	53.10	177.90	3,141.77	-327.09	-7.33	327.13	0.00	0.00	0.00
3,270.00	52.90	178.00	3,148.39	-335.87	-7.01	335.91	1.96	-1.82	0.91

Microsoft
Survey Report



Company:	Mack Energy	Local Co-ordinate Reference:	Well Prince Geroge Federal Com #2H
Project:	Chaves County	TVD Reference:	3789.1+18 @ 3807.10usft
Site:	Sec 20-T15S-R29E	MD Reference:	3789.1+18 @ 3807.10usft
Well:	Prince Geroge Federal Com #2H	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)
3,280.00	52.80	177.80	3,154.43	-343.83	-6.72	343.87	1.88	-1.00	-2.00
3,291.00	52.80	177.80	3,161.08	-352.59	-6.38	352.62	0.00	0.00	0.00
3,302.00	52.80	177.60	3,167.73	-361.34	-6.03	361.38	1.45	0.00	-1.82
3,312.00	52.80	177.60	3,173.77	-369.30	-5.70	369.33	0.00	0.00	0.00
3,322.00	52.90	177.60	3,179.81	-377.26	-5.36	377.29	1.00	1.00	0.00
3,333.00	52.90	177.50	3,186.45	-386.03	-4.99	386.06	0.73	0.00	-0.91
3,343.00	53.00	177.60	3,192.47	-394.00	-4.65	394.03	1.28	1.00	1.00
3,354.00	53.40	177.60	3,199.06	-402.80	-4.28	402.82	3.64	3.64	0.00
3,365.00	53.10	177.60	3,205.64	-411.61	-3.91	411.63	2.73	-2.73	0.00
3,375.00	53.10	177.60	3,211.65	-419.60	-3.58	419.61	0.00	0.00	0.00
3,386.00	53.70	178.10	3,218.21	-428.42	-3.24	428.44	6.56	5.45	4.55
3,397.00	54.60	178.40	3,224.65	-437.34	-2.97	437.35	8.48	8.18	2.73
3,428.00	58.50	178.90	3,241.73	-463.19	-2.37	463.19	12.65	12.58	1.61
3,460.00	62.20	179.50	3,257.56	-490.99	-1.98	490.99	11.68	11.56	1.87
3,523.00	71.80	178.90	3,282.15	-548.91	-1.16	548.90	15.26	15.24	-0.95
3,587.00	80.90	178.50	3,297.24	-611.02	0.25	611.00	14.23	14.22	-0.62
3,618.00	85.90	179.50	3,300.80	-641.80	0.79	641.78	16.44	16.13	3.23
3,650.00	90.10	179.80	3,301.91	-673.77	0.98	673.75	13.16	13.12	0.94
3,713.00	91.80	180.80	3,300.87	-736.76	0.66	736.74	3.13	2.70	1.59
3,813.00	92.60	179.90	3,297.03	-836.68	0.04	836.66	1.20	0.80	-0.90
3,942.00	93.00	179.80	3,290.73	-965.53	0.38	965.50	0.32	0.31	-0.08
4,069.00	89.80	180.30	3,287.63	-1,092.47	0.27	1,092.44	2.55	-2.52	0.39
4,195.00	90.50	180.20	3,287.30	-1,218.47	-0.28	1,218.44	0.56	0.56	-0.08
4,321.00	90.30	179.10	3,286.42	-1,344.46	0.49	1,344.42	0.89	-0.16	-0.87
4,448.00	91.70	179.40	3,284.20	-1,471.43	2.15	1,471.38	1.13	1.10	0.24
4,574.00	90.50	179.90	3,281.78	-1,597.40	2.92	1,597.34	1.03	-0.95	0.40
4,701.00	91.40	180.30	3,279.68	-1,724.38	2.70	1,724.32	0.78	0.71	0.31
4,827.00	89.80	180.60	3,278.36	-1,850.37	1.71	1,850.31	1.29	-1.27	0.24
4,954.00	90.20	181.00	3,278.36	-1,977.35	-0.06	1,977.30	0.45	0.31	0.31
5,080.00	91.00	181.50	3,277.04	-2,103.32	-2.81	2,103.28	0.75	0.63	0.40
5,207.00	91.70	181.50	3,274.05	-2,230.24	-6.13	2,230.22	0.55	0.55	0.00
5,333.00	90.50	180.90	3,271.63	-2,356.18	-8.77	2,356.18	1.06	-0.95	-0.48
5,460.00	90.20	180.00	3,270.85	-2,483.17	-9.77	2,483.18	0.75	-0.24	-0.71
5,587.00	91.60	180.30	3,268.86	-2,610.16	-10.10	2,610.16	1.13	1.10	0.24
5,713.00	89.80	181.40	3,267.32	-2,736.12	-11.97	2,736.14	1.67	-1.43	0.87
5,840.00	91.00	181.80	3,266.43	-2,863.07	-15.52	2,863.11	1.00	0.94	0.31
5,967.00	90.60	180.30	3,264.66	-2,990.03	-17.84	2,990.08	1.22	-0.31	-1.18
6,093.00	92.00	180.20	3,261.80	-3,116.00	-18.39	3,116.05	1.11	1.11	-0.08
6,220.00	91.00	180.80	3,258.47	-3,242.94	-19.50	3,243.00	0.92	-0.79	0.47
6,347.00	89.80	181.90	3,257.59	-3,369.90	-22.49	3,369.98	1.28	-0.94	0.87
6,473.00	90.90	181.30	3,256.82	-3,495.85	-26.01	3,495.94	0.99	0.87	-0.48
6,600.00	90.20	179.90	3,255.60	-3,622.83	-27.34	3,622.93	1.23	-0.55	-1.10
6,727.00	91.70	177.70	3,253.49	-3,749.77	-24.68	3,749.85	2.10	1.18	-1.73

Microsoft
Survey Report



Company:	Mack Energy	Local Co-ordinate Reference:	Well Prince Geroge Federal Com #2H
Project:	Chaves County	TVD Reference:	3789.1+18 @ 3807.10usft
Site:	Sec 20-T15S-R29E	MD Reference:	3789.1+18 @ 3807.10usft
Well:	Prince Geroge Federal Com #2H	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)	
6,853.00	93.70	178.30	3,247.56	-3,875.55	-20.29	3,875.60	1.66	1.59	0.48	
6,980.00	92.90	178.90	3,240.25	-4,002.30	-17.19	4,002.32	0.79	-0.63	0.47	
7,107.00	92.00	180.70	3,234.82	-4,129.18	-16.75	4,129.19	1.58	-0.71	1.42	
7,216.00	89.30	181.30	3,233.58	-4,238.14	-18.65	4,238.17	2.54	-2.48	0.55	
7,343.00	90.20	181.00	3,234.14	-4,365.12	-21.20	4,365.15	0.75	0.71	-0.24	
7,469.00	91.70	180.70	3,232.05	-4,491.08	-23.07	4,491.13	1.21	1.19	-0.24	
7,596.00	92.40	181.50	3,227.50	-4,617.97	-25.51	4,618.04	0.84	0.55	0.63	
7,722.00	91.20	181.30	3,223.55	-4,743.87	-28.58	4,743.95	0.97	-0.95	-0.16	
7,848.00	92.00	182.20	3,220.03	-4,869.76	-32.43	4,869.87	0.96	0.63	0.71	
7,975.00	91.70	181.70	3,215.93	-4,996.62	-36.75	4,996.76	0.46	-0.24	-0.39	
8,102.00	90.70	179.80	3,213.27	-5,123.57	-38.41	5,123.72	1.69	-0.79	-1.50	
8,228.00	90.80	180.20	3,211.62	-5,249.56	-38.41	5,249.70	0.33	0.08	0.32	
8,355.00	90.00	180.10	3,210.73	-5,376.56	-38.74	5,376.70	0.63	-0.63	-0.08	
8,481.00	89.70	180.00	3,211.06	-5,502.56	-38.85	5,502.70	0.25	-0.24	-0.08	
8,608.00	90.50	180.30	3,210.84	-5,629.56	-39.19	5,629.69	0.67	0.63	0.24	
8,725.00	91.60	181.20	3,208.70	-5,746.52	-40.72	5,746.67	1.21	0.94	0.77	
Last MWD Survey 8725 MD/3208.70 TVD -5746.52 S -40.72 W N: 720357.0 E: 629639.2										
8,785.00	91.60	181.20	3,207.02	-5,806.49	-41.97	5,806.64	0.00	0.00	0.00	
PTB 8785 MD/3207.02 TVD -5806.49 S -41.97 W N: 720297.0 E: 629638.0										

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
133.00	133.00	0.79	-0.17	1st MWD Survey	
8,725.00	3,208.70	-5,746.52	-40.72	Last MWD Survey 8725 MD/3208.70 TVD -5746.52 S -40.72 W N: 720357.0 E	
8,785.00	3,207.02	-5,806.49	-41.97	PTB 8785 MD/3207.02 TVD -5806.49 S -41.97 W N: 720297.0 E: 629638.0	

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

WELL API NO. 30-005-64321
5. Indicate Type of Lease STATE ☐ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Prince George Federal Com
8. Well Number 2H
9. OGRID Number 013837
10. Pool name or Wildcat Round Tank; San Andres
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3879.1 GR

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 P : 565 feet from the South line and 965 feet from the East line Section 20 Township 15S Range 29E NMPM County Chaves	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3879.1 GR	

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.

5/19/2022 - 5/26/2022 Perforated 3648'-8679', .42, 600 holes. Frac w/ 40,606 15% Acid, 8,040 SW, 82, 731 xlink, 415,200 100# Mesh, 669,614 30/50 Brown, 3,315,510 20/40 White, 612,710 20/40 Resin. RIH w/ 103 jts 3 1/2" J-55 @ 3395' 85M1400 Stator.

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 6/22/2022

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. 30-005-64321		
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 Prince George Federal Com		
								6. Well Number: 2H		
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 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:	P	20	15S	29E		565	South	965	East	Chaves
BH:	P	29	15S	29E		3	South	965	East	Chaves
13. Date Spudded	14. Date T.D. Reached		15. Date Rig Released			16. Date Completed (Ready to Produce)		17. Elevations (DF and RKB, RT, GR, etc.)		
3/16/2022	3/28/2022		3/30/2022			5/31/2022		3789		
18. Total Measured Depth of Well			19. Plug Back Measured Depth			20. Was Directional Survey Made?		21. Type Electric and Other Logs Run		
8785' / TVD 3207'			8738' / TVD 3208'			Yes		Submitted		
22. Producing Interval(s), of this completion - Top, Bottom, Name										
3648'-8679' 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#		250'		17 1/2"		200 sx		
9 5/8"		36#		1201'		12 1/4"		410 sx		
5 1/2" & 7"		26# & 17#		8785'		8 3/4"		1740sx		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET			
26. Perforation record (interval, size, and number)					27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
3648'-8679', .42, 600 holes					DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED			
					3648'-8679'		40,606 bbls 15% Acid, 8,040 SW, 82,731 xlink			
							100 # Mesh 415,200, 30/50 Brown 669,614, 20/40 white			
							3,315.510, 20/40 Resin 612,710			
28. PRODUCTION										
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)				
6/19/2022		85M1400 Stator				Producing				
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio			
6/19/2022	24 hrs			75	33	1199	2,475			
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)				
			75	33	1199	36.1				
29. Disposition of Gas (Sold, used for fuel, vented, etc.)							30. Test Witnessed By			
Sold							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: 3/30/2022			
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			Title			Date	
E-mail Address delilah@mec.com			Delilah Flores			Regulatory Technician I			6/22/2022	

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 3529'	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 3019'	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates 2873'	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers 2640'	T. Devonian	T. Cliff House	T. Leadville
T. Queen 2152'	T. Silurian	T. Menefee	T. Madison
T. Grayburg 1753'	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres 1457'	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 119829

ACKNOWLEDGMENTS

Operator: MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID: 13837
	Action Number: 119829
	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
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

CONDITIONS

Action 119829

CONDITIONS

Operator: MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID: 13837
	Action Number: 119829
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	Submit updated formation tops, these formation tops appear to be off compared to the near by wells	11/3/2022
jagarcia	Please submit on a C-103V	11/3/2022