

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 88210		² OGRID Number 13837
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 - 0 05-64296	⁵ Pool Name Round Tank; San Andres	⁶ Pool Code 52770
⁷ Property Code 318349	⁸ Property Name Medicine Hat State	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
C	35	15S	28E		500	North	2285	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
N	35	15S	28E		5	South	2305	West	Chaves
¹² Lse Code S	¹³ Producing Method P Code	¹⁴ Gas Connection Date 4/5/2021	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 2/13/2020	²² Ready Date 3/18/2021	²³ TD 7319' TVD 2923'	²⁴ PBT 7293' TVD 2922'	²⁵ Perforations TVD 2919-2923' 3269-7220'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
12 1/4"		9 5/8"	1459'		540sx
8 3/4"		7" & 5 1/2"	7319'		1150sx
		3 1/2" tubing	2166'		

V. Well Test Data

³¹ Date New Oil 4/1/2021	³² Gas Delivery Date 4/5/2021	³³ Test Date 4/2/2021	³⁴ Test Length 24 hours	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 14	³⁹ Water 1600	⁴⁰ Gas 0		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: <i>Amy Ferrusch</i>		
Title: Production Clerk			Title: Data Compliance Manager		
E-mail Address: dweaver@mec.com			Approval Date: 7/12/21		
Date: 3/31/2021		Phone: 575-748-1288			

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
☐ AMENDED REPORT

¹ API Number 30-005-64296	² Pool Code 52770	³ Pool Name Round Tank; San Andres
⁴ Property Code 318349	⁵ Property Name MEDICINE HAT STATE	
⁷ OGRID No. 13837	⁸ Operator Name MACK ENERGY CORPORATION	⁶ Well Number 2H ⁹ Elevation 3577.4

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	35	15 S	28 E		500	NORTH	2285	WEST	CHAVES

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	35	15 S	28 E		5	SOUTH	2305	WEST	CHAVES

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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S88°35'13"E 2700.96 FT

N00°45'48"W 2642.77 FT

N00°52'42"W 2642.58 FT

N89°43'13"E 2635.26 FT

S00°15'16"E 2600.03 FT

S00°18'03"E 2603.84 FT

S89°46'29"W 2652.08 FT

S89°38'01"W 2632.86 FT

NW CORNER SEC. 35
LAT. = 32.9798966°N
LONG. = 104.1112325°W
NMSP EAST (FT)
N = 720294.20
E = 609443.93

S00°45'48"E
665.48 FT

S00°50'20"E
4053.14 FT

W/4 CORNER SEC. 35
LAT. = 32.9726351°N
LONG. = 104.1111358°W
NMSP EAST (FT)
N = 717652.34
E = 609479.13

BOTTOM OF HOLE
LAT. = 32.9653883°N
LONG. = 104.1035731°W
NMSP EAST (FT)
N = 715020.73
E = 611804.16

SW CORNER SEC. 35
LAT. = 32.9653743°N
LONG. = 104.1110220°W
NMSP EAST (FT)
N = 715010.75
E = 609519.63

N/4 CORNER SEC. 35
LAT. = 32.9796976°N
LONG. = 104.1024299°W
NMSP EAST (FT)
N = 720227.61
E = 612143.37

MEDICINE HAT STATE
ELEV. = 3577.4'
LAT. = 32.9783533°N (NAD83)
LONG. = 104.1037618°W
NMSP EAST (FT)
N = 719737.61
E = 611736.02

LAST TAKE POINT
100' FSL, 2285' FWL
LAT. = 32.9656603°N
LONG. = 104.1035774°W
NMSP EAST (FT)
N = 715119.70
E = 611802.64

NOTE:
LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83) LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE. VERTICAL DATUM NAVD88.

S/4 CORNER SEC. 35
LAT. = 32.9653873°N
LONG. = 104.1023770°W
NMSP EAST (FT)
N = 715021.17
E = 612171.00

NE CORNER SEC. 35
LAT. = 32.9797168°N
LONG. = 104.0938384°W
NMSP EAST (FT)
N = 720240.47
E = 614777.92

2H
FIRST TAKE POINT
1165' FNL, 2285' FWL
LAT. = 32.9765248°N
LONG. = 104.1037378°W
NMSP EAST (FT)
N = 719072.39
E = 611744.82

E/4 CORNER SEC. 35
LAT. = 32.9725723°N
LONG. = 104.0938200°W
NMSP EAST (FT)
N = 717641.13
E = 614789.47

SE CORNER SEC. 35
LAT. = 32.9654174°N
LONG. = 104.0937948°W
NMSP EAST (FT)
N = 715038.00
E = 614803.13

SHL 2285'

FTP

LTP 2305'

BHL

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.

Deana Weaver 4/6/2021

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 3, 2019

Date of Survey _____



Signature and Seal of Professional Surveyor _____

Certificate Number FILIMON F. JARAMILLO, PLS 12797

SURVEY NO. 5308A

Intent ☐ As Drilled ☒

API # 30-005-64296		
Operator Name: MACK ENERGY CORPORATION	Property Name: MEDICINE HAT STATE	Well Number 2H

Kick Off Point (KOP)

UL C	Section 35	Township 15S	Range 28E	Lot	Feet 500	From N/S NORTH	Feet 2285	From E/W WEST	County CHAVES
Latitude 32.9783533					Longitude 104.1037918			NAD 83	

First Take Point (FTP)

UL C	Section 35	Township 15S	Range 28E	Lot	Feet 1164	From N/S NORTH	Feet 2301	From E/W WEST	County CHAVES
Latitude 32.9765248					Longitude 104.1037378			NAD 83	

Last Take Point (LTP)

UL	Section 35	Township 15S	Range 28E	Lot	Feet 102	From N/S SOUTH	Feet 2307	From E/W WEST	County CHAVES
Latitude 32.9656603					Longitude 104.1035774			NAD 83	

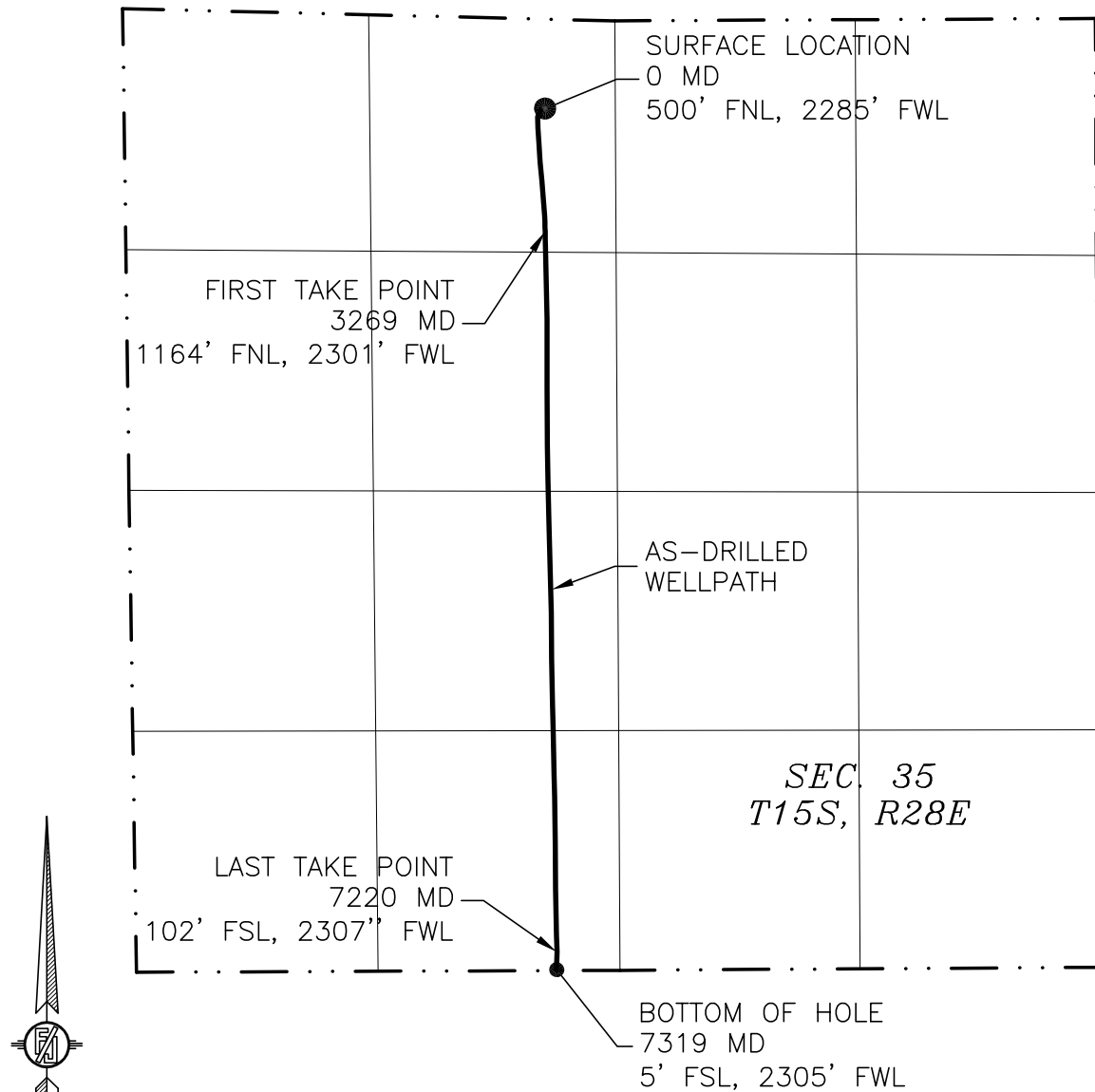
Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

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

PLAN VIEW



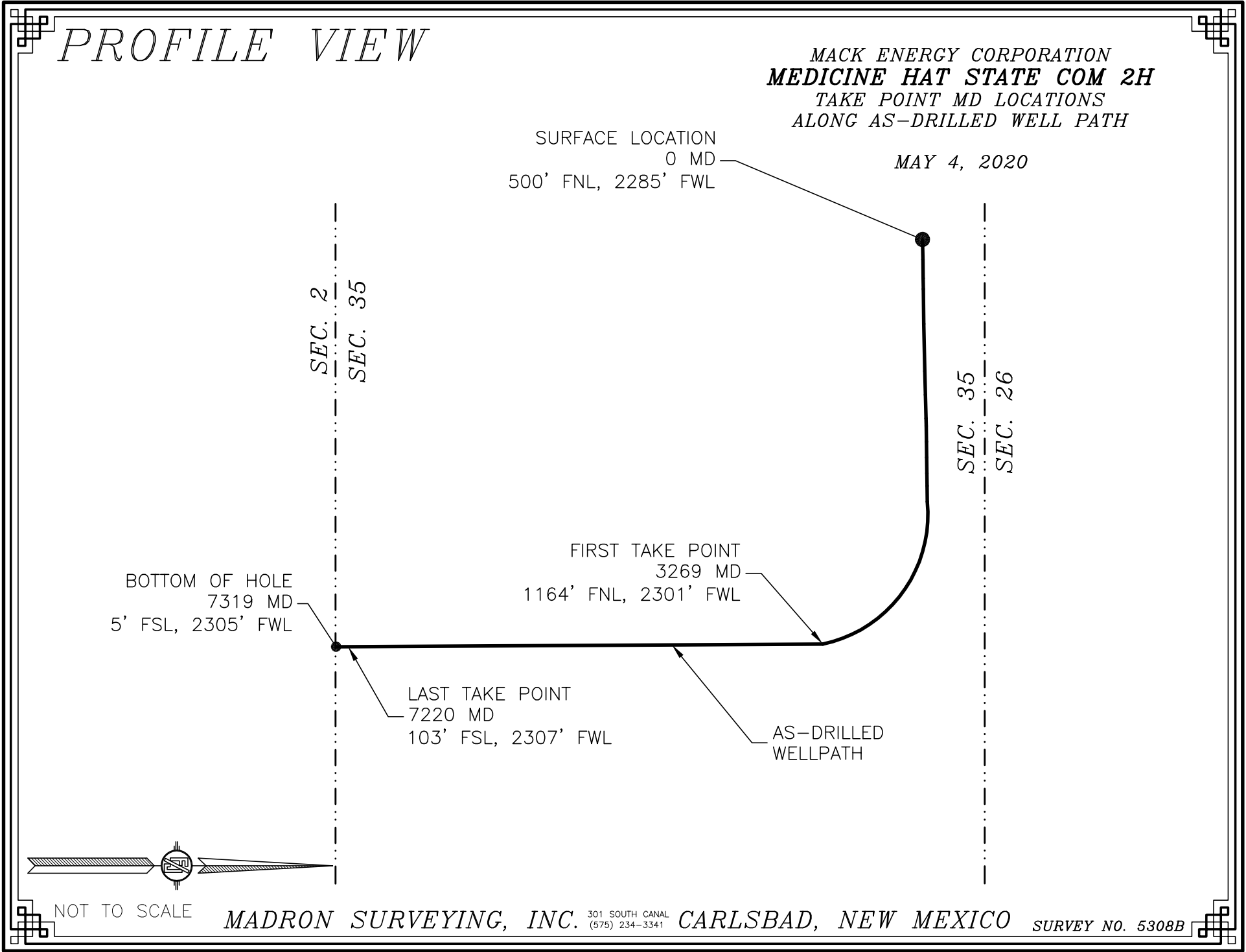
NOT TO SCALE

MACK ENERGY CORPORATION
MEDICINE HAT STATE COM 2H
 TAKE POINT MD LOCATIONS
 ALONG AS-DRILLED WELL PATH

MAY 4, 2020

SURVEY NO. 5308B

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO
 (575) 234-3341





Mack Energy

Chaves County

Sec 35-T15S-R28E

Medicine Hat State Com 2H

Lateral

Survey: Survey #1

Standard Survey Report

24 February, 2020





Microsoft Survey Report



Company:	Mack Energy	Local Co-ordinate Reference:	Well Medicine Hat State Com 2H
Project:	Chaves County	TVD Reference:	3577.4+18 @ 3595.40usft
Site:	Sec 35-T15S-R28E	MD Reference:	3577.4+18 @ 3595.40usft
Well:	Medicine Hat State Com 2H	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 35-T15S-R28E			
Site Position:		Northing:	715,214.26 usft	Latitude:	32.965929
From:	Map	Easting:	610,416.50 usft	Longitude:	-104.108097
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.12 °

Well		Medicine Hat State Com 2H				
Well Position	+N/-S	0.00 usft	Northing:	719,737.61 usft	Latitude:	32.978353
	+E/-W	0.00 usft	Easting:	611,736.02 usft	Longitude:	-104.103762
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,577.40 usft

Wellbore	Lateral				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	02/12/20	6.97	60.63	48,051.20236568

Design	Lateral				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	2,043.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	178.96	

Survey Program		Date	02/24/20		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
160.50	2,043.00	Survey #2 (Pilot)	MWD	MWD - Standard	
2,106.00	7,319.00	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)	
2,043.00	1.80	303.50	2,041.00	36.63	-7.66	-36.77	0.00	0.00	0.00	
1st MWD Survey Tie-On Pilot										
2,106.00	1.50	249.10	2,103.98	36.89	-9.26	-37.05	2.43	-0.48	-86.35	
2,138.00	3.80	214.70	2,135.94	35.86	-10.25	-36.04	8.43	7.19	-107.50	
2,169.00	7.40	202.50	2,166.79	33.17	-11.60	-33.38	12.17	11.61	-39.35	
2,233.00	12.00	184.60	2,229.87	22.73	-13.71	-22.97	8.51	7.19	-27.97	
2,296.00	17.20	188.60	2,290.82	6.98	-15.63	-7.26	8.40	8.25	6.35	
2,359.00	21.50	184.80	2,350.25	-13.75	-17.99	13.42	7.11	6.83	-6.03	
2,422.00	25.50	180.60	2,408.02	-38.82	-19.10	38.47	6.88	6.35	-6.67	
2,485.00	28.90	176.70	2,464.05	-67.59	-18.37	67.25	6.09	5.40	-6.19	



Microsoft
Survey Report



Company:	Mack Energy	Local Co-ordinate Reference:	Well Medicine Hat State Com 2H
Project:	Chaves County	TVD Reference:	3577.4+18 @ 3595.40usft
Site:	Sec 35-T15S-R28E	MD Reference:	3577.4+18 @ 3595.40usft
Well:	Medicine Hat State Com 2H	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)	
2,549.00	32.00	176.10	2,519.21	-99.96	-16.32	99.65	4.87	4.84	-0.94	
2,612.00	36.90	176.90	2,571.15	-135.52	-14.17	135.24	7.81	7.78	1.27	
2,675.00	39.40	177.60	2,620.69	-174.39	-12.30	174.14	4.03	3.97	1.11	
2,739.00	43.50	176.60	2,668.65	-216.69	-10.15	216.47	6.49	6.41	-1.56	
2,802.00	47.20	175.20	2,712.91	-261.38	-6.93	261.21	6.08	5.87	-2.22	
2,834.00	49.90	174.90	2,734.10	-285.28	-4.85	285.14	8.47	8.44	-0.94	
2,865.00	52.20	174.60	2,753.58	-309.28	-2.65	309.18	7.46	7.42	-0.97	
2,875.00	52.50	174.60	2,759.69	-317.16	-1.90	317.08	3.00	3.00	0.00	
2,885.00	52.78	174.60	2,765.76	-325.08	-1.16	325.00	2.80	2.80	0.00	
2,895.00	52.90	174.60	2,771.80	-333.01	-0.41	332.95	1.20	1.20	0.00	
2,905.00	53.00	174.60	2,777.82	-340.96	0.35	340.91	1.00	1.00	0.00	
2,915.00	53.10	174.50	2,783.84	-348.91	1.11	348.87	1.28	1.00	-1.00	
2,925.00	53.10	174.50	2,789.84	-356.87	1.87	356.85	0.00	0.00	0.00	
2,935.00	53.20	174.50	2,795.84	-364.84	2.64	364.83	1.00	1.00	0.00	
2,945.00	53.30	174.50	2,801.82	-372.81	3.41	372.81	1.00	1.00	0.00	
2,955.00	53.30	174.50	2,807.80	-380.79	4.17	380.81	0.00	0.00	0.00	
2,965.00	53.40	174.70	2,813.77	-388.78	4.93	388.81	1.89	1.00	2.00	
2,975.00	53.50	174.60	2,819.72	-396.78	5.68	396.82	1.28	1.00	-1.00	
2,985.00	53.50	174.50	2,825.67	-404.78	6.44	404.83	0.80	0.00	-1.00	
2,995.00	53.50	174.50	2,831.62	-412.78	7.21	412.85	0.00	0.00	0.00	
3,005.00	53.70	174.40	2,837.55	-420.79	7.99	420.87	2.16	2.00	-1.00	
3,015.00	54.40	174.50	2,843.42	-428.85	8.77	428.94	7.05	7.00	1.00	
3,025.00	55.40	174.40	2,849.17	-437.00	9.57	437.10	10.03	10.00	-1.00	
3,055.00	59.90	174.40	2,865.22	-462.21	12.04	462.35	15.00	15.00	0.00	
3,118.00	70.30	175.90	2,891.71	-519.07	16.83	519.29	16.65	16.51	2.38	
3,182.00	78.70	178.20	2,908.80	-580.61	19.98	580.87	13.57	13.12	3.59	
3,215.00	82.40	178.50	2,914.22	-613.14	20.91	613.42	11.25	11.21	0.91	
3,245.00	85.90	178.40	2,917.28	-642.97	21.72	643.26	11.67	11.67	-0.33	
3,267.93	86.90	178.58	2,918.71	-665.84	22.32	666.14	4.44	4.37	0.78	
FTP 3267.93 MD/2918.71 TVD -665.84 S 22.32 E N: 719071.7 E: 611758.3										
3,309.00	88.70	178.90	2,920.29	-706.87	23.23	707.18	4.44	4.38	0.78	
3,372.00	89.00	179.10	2,921.55	-769.85	24.33	770.16	0.57	0.48	0.32	
3,435.00	89.10	179.00	2,922.60	-832.83	25.37	833.16	0.22	0.16	-0.16	
3,498.00	88.80	178.20	2,923.75	-895.80	26.91	896.14	1.36	-0.48	-1.27	
3,624.00	89.80	178.10	2,925.29	-1,021.72	30.98	1,022.12	0.80	0.79	-0.08	
3,751.00	90.60	179.40	2,924.85	-1,148.69	33.75	1,149.11	1.20	0.63	1.02	
3,877.00	90.90	180.20	2,923.20	-1,274.68	34.19	1,275.09	0.68	0.24	0.63	
4,004.00	90.00	180.60	2,922.20	-1,401.67	33.30	1,402.04	0.78	-0.71	0.31	
4,130.00	89.60	180.40	2,922.64	-1,527.66	32.20	1,528.00	0.35	-0.32	-0.16	
4,193.00	89.70	180.30	2,923.03	-1,590.66	31.82	1,590.98	0.22	0.16	-0.16	
4,256.00	89.70	179.80	2,923.36	-1,653.66	31.76	1,653.96	0.79	0.00	-0.79	
4,319.00	89.90	179.90	2,923.58	-1,716.66	31.93	1,716.96	0.35	0.32	0.16	
4,383.00	89.70	179.10	2,923.80	-1,780.66	32.48	1,780.95	1.29	-0.31	-1.25	



Microsoft Survey Report



Company:	Mack Energy	Local Co-ordinate Reference:	Well Medicine Hat State Com 2H
Project:	Chaves County	TVD Reference:	3577.4+18 @ 3595.40usft
Site:	Sec 35-T15S-R28E	MD Reference:	3577.4+18 @ 3595.40usft
Well:	Medicine Hat State Com 2H	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)	
4,446.00	90.00	178.20	2,923.97	-1,843.64	33.97	1,843.95	1.51	0.48	-1.43	
4,509.00	90.20	178.00	2,923.86	-1,906.60	36.06	1,906.94	0.45	0.32	-0.32	
4,573.00	90.30	178.20	2,923.58	-1,970.57	38.18	1,970.93	0.35	0.16	0.31	
4,636.00	90.50	178.60	2,923.14	-2,033.54	39.94	2,033.93	0.71	0.32	0.63	
4,728.00	90.80	178.80	2,922.09	-2,125.51	42.03	2,125.92	0.39	0.33	0.22	
4,854.00	90.80	178.80	2,920.33	-2,251.47	44.66	2,251.91	0.00	0.00	0.00	
4,981.00	90.50	178.40	2,918.89	-2,378.42	47.77	2,378.90	0.39	-0.24	-0.31	
5,108.00	90.40	178.80	2,917.90	-2,505.38	50.87	2,505.89	0.32	-0.08	0.31	
5,172.00	89.50	178.10	2,917.95	-2,569.36	52.60	2,569.89	1.78	-1.41	-1.09	
5,235.00	89.80	178.50	2,918.34	-2,632.33	54.47	2,632.88	0.79	0.48	0.63	
5,361.00	89.00	178.90	2,919.66	-2,758.29	57.33	2,758.87	0.71	-0.63	0.32	
5,488.00	89.20	179.60	2,921.65	-2,885.26	58.99	2,885.86	0.57	0.16	0.55	
5,614.00	89.40	179.90	2,923.19	-3,011.25	59.54	3,011.83	0.29	0.16	0.24	
5,740.00	89.70	179.00	2,924.18	-3,137.24	60.75	3,137.82	0.75	0.24	-0.71	
5,867.00	90.00	177.90	2,924.51	-3,264.19	64.18	3,264.82	0.90	0.24	-0.87	
5,993.00	90.50	178.30	2,923.96	-3,390.12	68.36	3,390.80	0.51	0.40	0.32	
6,119.00	90.80	178.90	2,922.53	-3,516.07	71.44	3,516.79	0.53	0.24	0.48	
6,246.00	90.00	178.90	2,921.65	-3,643.04	73.88	3,643.79	0.63	-0.63	0.00	
6,373.00	89.50	178.30	2,922.20	-3,770.00	76.98	3,770.78	0.61	-0.39	-0.47	
6,499.00	89.90	179.20	2,922.86	-3,895.97	79.73	3,896.78	0.78	0.32	0.71	
6,625.00	90.40	180.20	2,922.53	-4,021.97	80.39	4,022.76	0.89	0.40	0.79	
6,752.00	89.80	179.80	2,922.31	-4,148.97	80.39	4,149.74	0.57	-0.47	-0.31	
6,879.00	89.80	179.40	2,922.75	-4,275.96	81.28	4,276.73	0.31	0.00	-0.31	
7,005.00	89.90	178.60	2,923.08	-4,401.94	83.47	4,402.73	0.64	0.08	-0.63	
7,132.00	90.00	179.20	2,923.19	-4,528.92	85.91	4,529.73	0.48	0.08	0.47	
7,220.90	90.14	180.04	2,923.08	-4,617.81	86.50	4,618.62	0.96	0.16	0.94	
LTP 7220.90 MD/2923.08 TVD -4617.81 S 86.50 E N: 715119.8 E: 611822.50										
7,259.00	90.20	180.40	2,922.97	-4,655.91	86.36	4,656.71	0.96	0.16	0.94	
Last MWD Survey 7259 MD/2922.97 TVD -4655.91 S 86.36 E N: 715081.7 E: 611822.3										
7,319.00	90.20	180.40	2,922.76	-4,715.91	85.94	4,716.69	0.00	0.00	0.00	
PTB 7319 MD/2922.76 TVD -4715.91 S 85.94 E N: 715021.7 E: 611821.9										

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
2,043.00	2,041.00	36.63	-7.66	1st MWD Survey Tie-On Pilot	
3,267.93	2,918.71	-665.84	22.32	FTP 3267.93 MD/2918.71 TVD -665.84 S 22.32 E N: 719071.7 E: 611758.3	
7,220.90	2,923.08	-4,617.81	86.50	LTP 7220.90 MD/2923.08 TVD -4617.81 S 86.50 E N: 715119.8 E: 611822.50	
7,259.00	2,922.97	-4,655.91	86.36	Last MWD Survey 7259 MD/2922.97 TVD -4655.91 S 86.36 E N: 715081.7 E: 6	
7,319.00	2,922.76	-4,715.91	85.94	PTB 7319 MD/2922.76 TVD -4715.91 S 85.94 E N: 715021.7 E: 611821.9	

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. 30-005-64296
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. VO-9382
3. Address of Operator P.O. Box 960, Artesia, NM 88210		7. Lease Name or Unit Agreement Name Medicine Hat State
4. Well Location Unit Letter <u>C</u> : <u>500</u> feet from the <u>North</u> line and <u>2285</u> feet from the <u>West</u> line Section <u>35</u> Township <u>15S</u> Range <u>28E</u> NMPM County <u>Chaves, NM</u>		8. Well Number 2H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3577' 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 ☐	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.

2/19-3/18/2021 Perforated 3269-7220' w/ .40, 492 hole. Frac w/ 960bbls 15% Acid, 5688bbls SW, 74,615bbls #20 X-Link, 310,278# 100 Mesh, 546,747# 30/50 AZ, 2,657,747# 20/40 AZ WI, 464,494# 20/40 RC. RIH w/ BHA, 64jts 3 1/2" J-55 9.2# tbg, 3 1/2" x 4' rotor sub (2,079.45'), 123M900 stator (2,112.32'), 1jt 2 7/8" J-55 6.5# (2144.87'), 7" x 2 7/8" progressive TAC w/ 60k shear (2,147.27'), 2 7/8" x 4' J-55 lift sub, Evolution Gas Separator (2,154.24'), 2 7/8" x 4' J-55 lift sub, 2 7/8" x 4' J-55 perf sub, 2 7/8" BP (2,166.8').

Spud Date:

2/13/2020

Rig Release Date:

2/25/2020

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

Deana Weaver

SIGNATURE _____ TITLE Production Clerk DATE 4/5/2021

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):

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 Medicine Hat State		
								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 88210						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	35	15S	28E		500	North	2285	West	Chaves
BH:	C	35	15S	28E		5	South	2305	West	Chaves
13. Date Spudded 2/13/2020	14. Date T.D. Reached 2/25/2020		15. Date Rig Released 2/25/2020			16. Date Completed (Ready to Produce) 3/18/2021		17. Elevations (DF and RKB, RT, GR, etc.) 3577' GR		
18. Total Measured Depth of Well 7319'			19. Plug Back Measured Depth 7293'			20. Was Directional Survey Made? Yes		21. Type Electric and Other Logs Run		
22. Producing Interval(s), of this completion - Top, Bottom, Name 3269-7220' 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#		450'		17 1/2"		500sx		
9 5/8"		36#		1459'		12 1/4"		540sx		
7"		26#		3066'		8 3/4"		250sx		
5 1/2"		17#		7319'		8 3/4"		900sx		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET		PACKER SET	
						3 1/2"	2166'			
26. Perforation record (interval, size, and number) 3269-7220', .40, 492						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						3269-7220'		986bbls 15% Acid, 5688bbls SW, 74615bbls 20# X-Link,		
								310278# 100 Mesh, 546747# 30/50 AZ, 2,657,747# 20/40 AZWI		
						464,494# 20/40 RC				
28. PRODUCTION										
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump) 7"x 2 7/8" progressive TAC w/ 60K shear				Well Status (Prod. or Shut-in) Producing				
Date of Test	Hours Tested 24 hours	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio			
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold								30. Test Witnessed By Jerry Sherrell		
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: 2/25/2020		
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>Deana Weaver</i>			Printed Name Deana Weaver		Title Production Clerk			Date 4/5/2021		
E-mail Address dweaver@mec.com										

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates 517'	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers 746'	T. Devonian	T. Cliff House	T. Leadville
T. Queen 1236'	T. Silurian	T. Menefee	T. Madison
T. Grayburg 1635'	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres 1956'	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

From	To	Thickness In Feet	Lithology

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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 30479

ACKNOWLEDGMENTS

Operator: MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID: 13837
	Action Number: 30479
	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

COMMENTS

Action 30479

COMMENTS

Operator: MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID: 13837
	Action Number: 30479
	Action Type: [C-104] Completion Packet (C-104C)

COMMENTS

Created By	Comment	Comment Date
ahvermersch	Email to Operator out of compliance with Rule 19.15.5.9; need to provide status of inactive wells prior to C-104 approval.	6/7/2021
ahvermersch	Admin review completed; needs Geo review	6/7/2021
kpickford	KP GEO Review 7/2/2021	7/2/2021

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Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

CONDITIONS

Action 30479

CONDITIONS

Operator: MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID: 13837
	Action Number: 30479
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ahvermersch	None	7/12/2021