

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 - 0 05-64305	⁵ Pool Name Round Tank; San Andres		⁶ Pool Code 52770
⁷ Property Code 320470	⁸ Property Name Windsor Federal		⁹ Well Number 1H

II. ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
N	20	15S	29E		660	South	1675	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	29	15S	29E		7	South	1682	West	Chaves
¹² Lse Code F	¹³ Producing Method Code P		¹⁴ Gas Connection Date 6/23/2023		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 3/20/2023	²² Ready Date 6/23/2023	²³ TD 8723'/ 3715.14 TVD	²⁴ PBDT 8670.66'/ 3177.07' TVD	²⁵ Perforations 3682' - 8624' 3185.31' - 3177.07'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
17 1/2"		13 3/8"	238'		320 sx
12 1/4"		9 5/8"	1203'		420 sx
8 3/4"		5 1/2" & 7"	8723'		1620 sx

V. Well Test Data

³¹ Date New Oil 6/28/2023	³² Gas Delivery Date 6/23/2023	³³ Test Date 6/28/2023	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		⁴¹ Test Method
	56	1290	29		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		
Printed name: Delilah Flores			Approved by: <i>PATRICIA MARTINEZ</i>		
Title: Regulatory Technician I			Title: <i>PETROLEUM SPECIALIST</i>		
E-mail Address: delilah@mec.com			Approval Date: <i>5/22/2024</i>		
Date: 7/6/2023		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 30-005-64305		² Pool Code 52770	³ Pool Name Round Tank; San Andres
⁴ Property Code 320470	⁵ Property Name WINDSOR FEDERAL		⁶ Well Number 1H
⁷ OGRID No. 13837	⁸ Operator Name MACK ENERGY CORPORATION		⁹ Elevation 3767.0

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
N	20	15 S	29 E		660	SOUTH	1675	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
N	29	15 S	29 E		7	SOUTH	1682	WEST	CHAVES

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

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.

WINDSOR FEDERAL 1H
ELEV. = 3767.0'
LAT. = 32.9959931°N (NAD83)
LONG. = 104.0537601°W
NMSP EAST (FT)
N = 726192.53
E = 627052.11

KICK OFF POINT
672' FSL, 1675' FWL
LAT. = 32.9960257°N
LONG. = 104.0537602°W
NMSP EAST (FT)
N = 726204.40
E = 627052.05

FIRST TAKE POINT
206' FNL, 1666' FWL
LAT. = 32.9936128°N
LONG. = 104.0537877°W
NMSP EAST (FT)
N = 725326.51
E = 627045.94

LAST TAKE POINT
106' FSL, 1679' FWL
LAT. = 32.9800357°N
LONG. = 104.0539687°W
NMSP EAST (FT)
N = 720386.65
E = 627003.58

BOTTOM OF HOLE
LAT. = 32.9797638°N
LONG. = 104.0539673°W
NMSP EAST (FT)
N = 720287.70
E = 627004.27

The map shows a well location in Section 20 and Section 29. The well is marked with a black dot and labeled 'AS-DRILLED'. The well location is defined by a 1675' surface location, a 1675' KOP (Kick Off Point), and a 1682' LTP (Last Take Point) at the bottom of the hole. The well is located in Section 20, which is adjacent to Section 29. The map includes various corner points with coordinates and distances. The well is located in Section 20, which is adjacent to Section 29. The map includes various corner points with coordinates and distances.

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.

Delilah Flores 7/6/2023

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.

JULY 3, 2023

Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number: 12797

Intent ☐ As Drilled ☐

API #		
Operator Name: MACK ENERGY CORPORATION	Property Name: WINDSOR FEDERAL	Well Number 1H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
N	20	15S	29E		672	SOUTH	1675	WEST	CHAVES
Latitude 32.9960257					Longitude 104.0537602				NAD 83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
C	29	15S	29E		206	NORTH	1666	WEST	CHAVES
Latitude 32.9936128					Longitude 104.0537877				NAD 83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
N	29	15S	29E		106	SOUTH	1679	WEST	CHAVES
Latitude 32.9800357					Longitude 104.0539687				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

Windsor Federal 1H

Wellbore #1

Survey: Survey #1

Standard Survey Report

30 March, 2023



Company:	Mack Energy	Local Co-ordinate Reference:	Well Windsor Federal 1H
Project:	Chaves County	TVD Reference:	3767+18.5 @ 3785.50usft
Site:	Sec 20-T15S-R29E	MD Reference:	3767+18.5 @ 3785.50usft
Well:	Windsor Federal 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 20-T15S-R29E			
Site Position:		Northing:	725,582.19 usft	Latitude:	32.994317
From:	Map	Easting:	626,879.18 usft	Longitude:	-104.054330
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.15 °

Well	Windsor Federal 1H					
Well Position	+N/-S	0.00 usft	Northing:	726,192.53 usft	Latitude:	32.995993
	+E/-W	0.00 usft	Easting:	627,052.11 usft	Longitude:	-104.053760
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,767.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	03/16/23	6.62	60.61	47,745.55332022

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	180.53	

Survey Program	Date	03/30/23			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
82.00	8,723.00	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	
82.00	0.30	266.48	82.00	-0.01	-0.21	0.02	0.37	0.37	0.00	
1st MWD Survey										
159.00	0.40	181.48	159.00	-0.29	-0.42	0.30	0.62	0.13	-110.39	
192.00	0.40	165.48	192.00	-0.52	-0.40	0.52	0.34	0.00	-48.48	
290.00	0.60	207.90	289.99	-1.31	-0.55	1.31	0.42	0.20	43.29	
378.00	1.10	193.80	377.98	-2.53	-0.97	2.54	0.61	0.57	-16.02	
554.00	0.60	75.70	553.97	-3.95	-0.48	3.95	0.84	-0.28	-67.10	
678.00	1.40	58.40	677.95	-2.99	1.44	2.98	0.68	0.65	-13.95	
802.00	0.50	281.10	801.94	-2.09	2.20	2.07	1.45	-0.73	-110.73	
926.00	1.00	283.70	925.93	-1.73	0.62	1.73	0.40	0.40	2.10	

Microsoft
Survey Report



Company:	Mack Energy	Local Co-ordinate Reference:	Well Windsor Federal 1H
Project:	Chaves County	TVD Reference:	3767+18.5 @ 3785.50usft
Site:	Sec 20-T15S-R29E	MD Reference:	3767+18.5 @ 3785.50usft
Well:	Windsor Federal 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)
1,051.00	0.60	303.50	1,050.92	-1.11	-0.99	1.12	0.38	-0.32	15.84
1,154.00	0.20	358.10	1,153.92	-0.64	-1.44	0.65	0.50	-0.39	53.01
1,274.00	0.30	190.80	1,273.92	-0.74	-1.51	0.75	0.41	0.08	-139.42
1,336.00	0.20	259.40	1,335.92	-0.92	-1.65	0.93	0.47	-0.16	110.64
1,397.00	0.10	306.70	1,396.92	-0.90	-1.79	0.92	0.25	-0.16	77.54
1,459.00	0.20	61.50	1,458.92	-0.82	-1.74	0.84	0.42	0.16	185.16
1,522.00	0.20	256.70	1,521.92	-0.79	-1.75	0.81	0.63	0.00	-261.59
1,584.00	0.30	209.80	1,583.92	-0.96	-1.94	0.98	0.35	0.16	-75.65
1,646.00	0.20	240.10	1,645.91	-1.15	-2.11	1.17	0.26	-0.16	48.87
1,769.00	1.20	358.30	1,768.91	0.03	-2.34	-0.01	1.06	0.81	96.10
1,831.00	1.60	16.80	1,830.89	1.51	-2.11	-1.49	0.97	0.65	29.84
1,893.00	1.50	7.30	1,892.87	3.14	-1.75	-3.12	0.44	-0.16	-15.32
1,954.00	1.50	19.70	1,953.84	4.68	-1.38	-4.67	0.53	0.00	20.33
2,016.00	1.40	12.00	2,015.82	6.19	-0.95	-6.18	0.35	-0.16	-12.42
2,078.00	1.50	13.40	2,077.80	7.72	-0.60	-7.71	0.17	0.16	2.26
2,140.00	1.50	10.90	2,139.78	9.30	-0.26	-9.30	0.11	0.00	-4.03
2,201.00	1.30	358.50	2,200.77	10.78	-0.13	-10.78	0.59	-0.33	-20.33
2,325.00	0.30	164.80	2,324.76	11.87	-0.08	-11.87	1.28	-0.81	134.11
2,356.00	2.10	179.80	2,355.75	11.23	-0.06	-11.23	5.84	5.81	48.39
2,387.00	4.00	176.60	2,386.70	9.58	0.01	-9.58	6.15	6.13	-10.32
2,418.00	6.30	177.80	2,417.58	6.80	0.14	-6.80	7.43	7.42	3.87
2,448.00	8.50	177.00	2,447.32	2.94	0.32	-2.94	7.34	7.33	-2.67
2,479.00	11.00	178.40	2,477.87	-2.31	0.52	2.30	8.10	8.06	4.52
2,510.00	13.50	179.60	2,508.17	-8.88	0.63	8.87	8.11	8.06	3.87
2,541.00	15.80	180.20	2,538.16	-16.72	0.64	16.71	7.44	7.42	1.94
2,572.00	17.90	180.40	2,567.82	-25.71	0.59	25.70	6.78	6.77	0.65
2,603.00	20.00	181.30	2,597.14	-35.77	0.44	35.77	6.84	6.77	2.90
2,634.00	22.00	181.50	2,626.08	-46.88	0.16	46.87	6.46	6.45	0.65
2,665.00	24.20	181.60	2,654.59	-59.03	-0.17	59.03	7.10	7.10	0.32
2,696.00	26.80	181.00	2,682.57	-72.37	-0.47	72.38	8.43	8.39	-1.94
2,727.00	29.50	180.30	2,709.90	-87.00	-0.63	87.00	8.77	8.71	-2.26
2,757.00	31.90	179.50	2,735.70	-102.31	-0.60	102.31	8.11	8.00	-2.67
2,788.00	34.00	178.90	2,761.71	-119.17	-0.36	119.17	6.86	6.77	-1.94
2,819.00	35.90	179.50	2,787.12	-136.93	-0.11	136.92	6.23	6.13	1.94
2,850.00	38.10	180.00	2,811.87	-155.58	-0.03	155.57	7.16	7.10	1.61
2,881.00	40.50	180.30	2,835.86	-175.21	-0.09	175.21	7.77	7.74	0.97
2,911.00	42.70	180.20	2,858.29	-195.13	-0.17	195.12	7.34	7.33	-0.33
2,942.00	44.70	180.90	2,880.70	-216.55	-0.38	216.54	6.64	6.45	2.26
2,973.00	46.50	182.00	2,902.39	-238.69	-0.95	238.68	6.34	5.81	3.55
3,005.00	48.80	182.60	2,923.95	-262.31	-1.90	262.32	7.32	7.19	1.87
3,054.00	51.70	182.80	2,955.28	-299.94	-3.67	299.96	5.93	5.92	0.41
3,064.00	52.20	182.80	2,961.44	-307.81	-4.06	307.83	5.00	5.00	0.00
3,074.00	52.50	182.50	2,967.55	-315.72	-4.42	315.74	3.83	3.00	-3.00

Microsoft
Survey Report



Company:	Mack Energy	Local Co-ordinate Reference:	Well Windsor Federal 1H
Project:	Chaves County	TVD Reference:	3767+18.5 @ 3785.50usft
Site:	Sec 20-T15S-R29E	MD Reference:	3767+18.5 @ 3785.50usft
Well:	Windsor Federal 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)	
3,084.00	52.70	182.60	2,973.62	-323.65	-4.78	323.68	2.15	2.00	1.00	
3,094.00	53.00	182.60	2,979.66	-331.61	-5.14	331.65	3.00	3.00	0.00	
3,104.00	53.10	182.60	2,985.67	-339.60	-5.50	339.63	1.00	1.00	0.00	
3,114.00	53.30	182.50	2,991.66	-347.60	-5.86	347.64	2.15	2.00	-1.00	
3,124.00	53.50	182.50	2,997.63	-355.62	-6.21	355.66	2.00	2.00	0.00	
3,134.00	53.70	182.30	3,003.56	-363.66	-6.54	363.70	2.57	2.00	-2.00	
3,144.00	53.90	182.40	3,009.47	-371.72	-6.87	371.77	2.16	2.00	1.00	
3,154.00	54.10	182.20	3,015.34	-379.81	-7.20	379.86	2.57	2.00	-2.00	
3,164.00	54.30	182.30	3,021.19	-387.91	-7.52	387.96	2.16	2.00	1.00	
3,174.00	54.50	182.20	3,027.02	-396.04	-7.84	396.09	2.16	2.00	-1.00	
3,184.00	54.60	182.10	3,032.81	-404.18	-8.14	404.23	1.29	1.00	-1.00	
3,194.00	54.90	182.20	3,038.59	-412.34	-8.45	412.40	3.11	3.00	1.00	
3,204.00	55.00	182.20	3,044.33	-420.52	-8.76	420.58	1.00	1.00	0.00	
3,214.00	55.20	182.10	3,050.05	-428.71	-9.07	428.78	2.16	2.00	-1.00	
3,224.00	55.40	181.90	3,055.74	-436.93	-9.36	437.00	2.59	2.00	-2.00	
3,234.00	55.50	182.20	3,061.41	-445.16	-9.65	445.23	2.67	1.00	3.00	
3,244.00	55.70	182.20	3,067.06	-453.41	-9.97	453.48	2.00	2.00	0.00	
3,254.00	55.90	182.10	3,072.69	-461.67	-10.28	461.75	2.16	2.00	-1.00	
3,264.00	56.10	182.00	3,078.28	-469.96	-10.58	470.03	2.17	2.00	-1.00	
3,274.00	56.50	181.90	3,083.83	-478.27	-10.86	478.35	4.09	4.00	-1.00	
3,281.00	56.90	181.60	3,087.67	-484.12	-11.04	484.20	6.74	5.71	-4.29	
3,294.00	57.90	181.10	3,094.67	-495.07	-11.30	495.15	8.35	7.69	-3.85	
3,356.00	64.70	177.90	3,124.44	-549.40	-10.77	549.48	11.86	10.97	-5.16	
3,417.00	69.50	177.30	3,148.16	-605.53	-8.41	605.58	7.92	7.87	-0.98	
3,479.00	76.10	178.40	3,166.49	-664.68	-6.20	664.71	10.78	10.65	1.77	
3,541.00	82.20	180.70	3,178.16	-725.54	-5.74	725.56	10.49	9.84	3.71	
3,603.00	87.60	180.30	3,183.67	-787.27	-6.28	787.29	8.73	8.71	-0.65	
3,657.00	88.90	179.70	3,185.31	-841.24	-6.28	841.26	2.65	2.41	-1.11	
3,687.00	89.50	179.90	3,185.73	-871.24	-6.17	871.26	2.11	2.00	0.67	
3,749.00	90.10	180.10	3,185.95	-933.24	-6.17	933.26	1.02	0.97	0.32	
3,812.00	90.80	180.20	3,185.46	-996.24	-6.34	996.25	1.12	1.11	0.16	
3,936.00	90.20	181.30	3,184.37	-1,120.22	-7.96	1,120.24	1.01	-0.48	0.89	
3,998.00	90.90	181.50	3,183.78	-1,182.20	-9.47	1,182.23	1.17	1.13	0.32	
4,121.00	90.20	180.70	3,182.60	-1,305.17	-11.84	1,305.22	0.86	-0.57	-0.65	
4,245.00	90.00	181.20	3,182.38	-1,429.15	-13.89	1,429.22	0.43	-0.16	0.40	
4,307.00	90.50	181.50	3,182.11	-1,491.13	-15.35	1,491.21	0.94	0.81	0.48	
4,369.00	91.10	181.70	3,181.24	-1,553.10	-17.08	1,553.19	1.02	0.97	0.32	
4,492.00	90.50	181.40	3,179.53	-1,676.04	-20.41	1,676.16	0.55	-0.49	-0.24	
4,617.00	90.20	180.80	3,178.76	-1,801.02	-22.81	1,801.15	0.54	-0.24	-0.48	
4,680.00	91.00	181.10	3,178.10	-1,864.00	-23.85	1,864.14	1.36	1.27	0.48	
4,804.00	90.50	180.00	3,176.48	-1,987.98	-25.04	1,988.13	0.97	-0.40	-0.89	
4,927.00	89.90	180.00	3,176.05	-2,110.98	-25.04	2,111.13	0.49	-0.49	0.00	
5,051.00	89.60	179.70	3,176.59	-2,234.98	-24.72	2,235.11	0.34	-0.24	-0.24	

Microsoft
Survey Report



Company:	Mack Energy	Local Co-ordinate Reference:	Well Windsor Federal 1H
Project:	Chaves County	TVD Reference:	3767+18.5 @ 3785.50usft
Site:	Sec 20-T15S-R29E	MD Reference:	3767+18.5 @ 3785.50usft
Well:	Windsor Federal 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)	
5,113.00	90.80	179.40	3,176.38	-2,296.98	-24.23	2,297.10	2.00	1.94	-0.48	
5,237.00	90.40	179.60	3,175.08	-2,420.97	-23.15	2,421.08	0.36	-0.32	0.16	
5,361.00	88.80	179.20	3,175.94	-2,544.95	-21.85	2,545.05	1.33	-1.29	-0.32	
5,423.00	90.10	179.50	3,176.54	-2,606.94	-21.15	2,607.03	2.15	2.10	0.48	
5,548.00	91.20	180.60	3,175.12	-2,731.93	-21.26	2,732.01	1.24	0.88	0.88	
5,610.00	91.20	179.90	3,173.82	-2,793.92	-21.53	2,794.00	1.13	0.00	-1.13	
5,671.00	89.70	180.10	3,173.34	-2,854.91	-21.53	2,854.99	2.48	-2.46	0.33	
5,733.00	90.60	180.70	3,173.18	-2,916.91	-21.96	2,916.99	1.74	1.45	0.97	
5,858.00	89.20	180.00	3,173.40	-3,041.90	-22.72	3,041.98	1.25	-1.12	-0.56	
5,920.00	90.20	179.90	3,173.72	-3,103.90	-22.67	3,103.98	1.62	1.61	-0.16	
6,043.00	89.70	180.00	3,173.83	-3,226.90	-22.56	3,226.97	0.41	-0.41	0.08	
6,167.00	89.30	181.30	3,174.91	-3,350.89	-23.97	3,350.96	1.10	-0.32	1.05	
6,229.00	90.20	181.50	3,175.18	-3,412.87	-25.48	3,412.96	1.49	1.45	0.32	
6,353.00	88.90	181.50	3,176.16	-3,536.82	-28.73	3,536.93	1.05	-1.05	0.00	
6,415.00	89.60	181.00	3,176.97	-3,598.80	-30.08	3,598.92	1.39	1.13	-0.81	
6,477.00	90.80	182.20	3,176.75	-3,660.77	-31.81	3,660.91	2.74	1.94	1.94	
6,601.00	89.60	181.50	3,176.32	-3,784.70	-35.82	3,784.87	1.12	-0.97	-0.56	
6,724.00	89.10	180.40	3,177.71	-3,907.68	-37.86	3,907.86	0.98	-0.41	-0.89	
6,786.00	90.20	180.20	3,178.09	-3,969.67	-38.18	3,969.86	1.80	1.77	-0.32	
6,910.00	89.60	180.00	3,178.31	-4,093.67	-38.40	4,093.85	0.51	-0.48	-0.16	
6,972.00	89.20	180.40	3,178.96	-4,155.67	-38.61	4,155.85	0.91	-0.65	0.65	
7,034.00	90.10	180.20	3,179.34	-4,217.66	-38.94	4,217.84	1.49	1.45	-0.32	
7,157.00	89.30	179.80	3,179.98	-4,340.66	-38.94	4,340.84	0.73	-0.65	-0.33	
7,219.00	89.70	179.30	3,180.52	-4,402.66	-38.45	4,402.82	1.03	0.65	-0.81	
7,281.00	90.30	179.20	3,180.52	-4,464.65	-37.64	4,464.81	0.98	0.97	-0.16	
7,342.00	90.60	179.00	3,180.04	-4,525.64	-36.68	4,525.79	0.59	0.49	-0.33	
7,465.00	90.20	180.20	3,179.19	-4,648.63	-35.82	4,648.77	1.03	-0.33	0.98	
7,527.00	91.00	180.50	3,178.54	-4,710.63	-36.20	4,710.76	1.38	1.29	0.48	
7,651.00	90.70	181.40	3,176.70	-4,834.60	-38.26	4,834.74	0.76	-0.24	0.73	
7,774.00	90.00	182.10	3,175.94	-4,957.54	-42.01	4,957.71	0.80	-0.57	0.57	
7,897.00	89.20	181.40	3,176.80	-5,080.47	-45.77	5,080.68	0.86	-0.65	-0.57	
7,959.00	89.80	181.00	3,177.34	-5,142.46	-47.07	5,142.67	1.16	0.97	-0.65	
8,021.00	90.30	180.80	3,177.29	-5,204.45	-48.04	5,204.67	0.87	0.81	-0.32	
8,083.00	90.90	180.80	3,176.64	-5,266.44	-48.91	5,266.67	0.97	0.97	0.00	
8,206.00	90.20	180.80	3,175.46	-5,389.42	-50.62	5,389.66	0.57	-0.57	0.00	
8,329.00	88.50	179.40	3,176.86	-5,512.40	-50.84	5,512.64	1.79	-1.38	-1.14	
8,391.00	89.10	179.60	3,178.15	-5,574.39	-50.30	5,574.62	1.02	0.97	0.32	
8,453.00	89.70	179.40	3,178.80	-5,636.38	-49.76	5,636.60	1.02	0.97	-0.32	
8,514.00	90.40	179.70	3,178.75	-5,697.38	-49.28	5,697.59	1.25	1.15	0.49	
8,576.00	90.70	179.60	3,178.16	-5,759.38	-48.90	5,759.58	0.51	0.48	-0.16	
8,638.00	91.30	179.60	3,177.07	-5,821.36	-48.47	5,821.56	0.97	0.97	0.00	
Last MWD Survey 8638 MD/3177.07 TVD -5821.36 S -48.47 W N: 720371.1 E: 627003.6										
8,723.00	91.30	179.60	3,175.14	-5,906.34	-47.87	5,906.53	0.00	0.00	0.00	
PTB 8723 MD/3175.14 TVD -5906.34 S -47.87 W N: 720286.1 E: 627004.2										

Microsoft
Survey Report



Company:	Mack Energy	Local Co-ordinate Reference:	Well Windsor Federal 1H
Project:	Chaves County	TVD Reference:	3767+18.5 @ 3785.50usft
Site:	Sec 20-T15S-R29E	MD Reference:	3767+18.5 @ 3785.50usft
Well:	Windsor Federal 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)

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
82.00	82.00	-0.01	-0.21	1st MWD Survey
8,638.00	3,177.07	-5,821.36	-48.47	Last MWD Survey 8638 MD/3177.07 TVD -5821.36 S -48.47 W N: 720371.1 E:
8,723.00	3,175.14	-5,906.34	-47.87	PTB 8723 MD/3175.14 TVD -5906.34 S -47.87 W N: 720286.1 E: 627004.2

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. 30-005-64305
5. Indicate Type of Lease STATE ☐ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Windsor Federal
8. Well Number 1H
9. OGRID Number 013837
10. Pool name or Wildcat Round Tank; San Andres
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3767' 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 PO Box 960 Artesia, NM 88211-0960	
4. Well Location Unit Letter N : 660 feet from the South line and 1675 feet from the West line Section 20 Township 15S Range 29E NMPM County Chaves	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3767' 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.

4/7/2023 - 6/23/2023

Perforated 3682- 8624' w/ 624 holes. Frac w/ 1442.1 bbls 15% Acid, 8,970.5 SW, 92, 956.6 xlink, 467,040# 100 Mesh, 54,040 30/50 Brown, 617,735 30/50 White, 3,390,502 20/40 White, 72,080 20/40 Resin, 536,560 20/40 Super LC. RIH w/ 98 jts of 3 1/2" J-55 @3195'. Rotor sub 1200 @ 3200'.

Production casing pressure test to 4000 held for 45 minutes.

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 7/6/2023

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 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		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				
1. WELL API NO. 30-005-64305										
2. Type of Lease ☐ STATE ☐ FEE ☒ FED/INDIAN										
3. State Oil & Gas Lease No.										
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 Windsor Federal				
						6. Well Number: 1H				
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 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:	N	20	15S	29E		660	South	1675	West	Chaves
BH:	N	29	15S	29E		7	South	1682	West	Chaves
13. Date Spudded 3/20/2023	14. Date T.D. Reached 3/29/2023		15. Date Rig Released 3/30/2023			16. Date Completed (Ready to Produce) 6/23/2023		17. Elevations (DF and RKB, RT, GR, etc.)		3767'
18. Total Measured Depth of Well 8723' / 3175.14' TVD			19. Plug Back Measured Depth 8670.66' / 3177.07' TVD			20. Was Directional Survey Made? Yes		21. Type Electric and Other Logs Run Submitted		
22. Producing Interval(s), of this completion - Top, Bottom, Name 3682' - 8624' 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#		238'		17 1/2"		320 sx		
9 5/8"		36#		1203'		12 1/4"		420 sx		
5 1/2" & 7"		17# & 26 #		8723'		8 3/4"		1620 sx		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET	PACKER SET		
						3 1/2"	3195'	3200'		
26. Perforation record (interval, size, and number) 3682' - 8624', .42, 624 holes						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						3682' - 8624'		1422.1 bbls 15% Acid, 8970.5 SW, 92,956.6 xlink		
								467,070# 100 Mesh, 54,040 30/50 Brown, 617,7135 30/50		
								White, 3,390,502 20/40 White, 72,080 20/40 Resin,		
28. PRODUCTION 536,560 20/40 Super LC										
Date First Production 6/28/2023		Production Method (Flowing, gas lift, pumping - Size and type pump) Rotor Sub 1200				Well Status (Prod. or Shut-in) Producing				
Date of Test 6/28/2023	Hours Tested 24 hrs	Choke Size	Prod'n For Test Period	Oil - Bbl 56	Gas - MCF 29	Water - Bbl. 1290	Gas - Oil Ratio 517			
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl. 56	Gas - MCF 29	Water - Bbl. 1290	Oil Gravity - API - (Corr.) 36.3				
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: 3/30/2023			
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		Title			Date		
E-mail Address delilah@mec.com			Delilah Flores		Regulatory Technician I			7/6/2023		

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

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt 250'	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 690'	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates 835'	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers 1070'	T. Devonian	T. Cliff House	T. Leadville
T. Queen 1560'	T. Silurian	T. Menefee	T. Madison
T. Grayburg 1955'	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres 2255'	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 345748

ACKNOWLEDGMENTS

Operator: MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID: 13837
	Action Number: 345748
	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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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 345748

CONDITIONS

Operator: MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID: 13837
	Action Number: 345748
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	File 3160-4 Completion Report and 3160-5 Completion Sundry within 10 days of BLM approval.	5/22/2024