

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 05-64366	⁵ Pool Name Round Tank; San Andres	⁶ Pool Code 52770
⁷ Property Code 318348	⁸ Property Name Klondike State 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
O	23	15S	28E		710	South	1650	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	35	15S	28E		756	North	1650	East	Chaves
¹² Lse Code S	¹³ Producing Method Code P	¹⁴ Gas Connection Date 7/24/2023	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 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 6/8/2023	²² Ready Date 7/20/2023	²³ TD 9319'	²⁴ PBDT 9319'	²⁵ Perforations 3298-9220'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	13 3/8"	208'	285sx		
12 1/4"	9 5/8"	1198'	420sx		
8 3/4"	7"	3131'	175sx		
8 3/4"	5 1/2" (3 1/2" Tbg)	9319' (2968')	1635sx		

V. Well Test Data

³¹ Date New Oil 7/24/2023	³² Gas Delivery Date 7/24/2023	³³ Test Date 7/24/2023	³⁴ Test Length 24 hours	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 11	³⁹ Water 1263	⁴⁰ Gas 4		⁴¹ Test Method Pump
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 Approved by: Title: Approval Date: 		
Printed name: Deana Weaver					
Title: Regulatory Tech II					
E-mail Address: dweaver@mec.com					
Date: 7/26/2023		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 30-005-64366	² Pool Code 52770	³ Pool Name Round Tank; San Andres
⁴ Property Code 318348	⁵ Property Name KLONDIKE STATE COM	⁶ Well Number 2H
⁷ OGRID No. 13837	⁸ Operator Name MACK ENERGY CORPORATION	⁹ Elevation 3575.0

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
O	23	15 S	28 E		710	SOUTH	1650	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	35	15 S	28 E		756	NORTH	1650	EAST	CHAVES

¹² Dedicated Acres 200	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. <i>Deana Weaver</i> 7/26/2023 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. JULY 20, 2023 Date of Survey _____ <i>[Signature]</i> Signature and Seal of Professional Surveyor: _____ Certificate Number: 12797 PROFESSIONAL SURVEYOR NO. 9378A

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Intent ☐ As Drilled ☒

API # 30-005-64366		
Operator Name: MACK ENERGY CORPORATION	Property Name: KLONDIKE STATE COM	Well Number 2H

Kick Off Point (KOP)

UL O	Section 23	Township 15S	Range 28E	Lot	Feet 723	From N/S SOUTH	Feet 1646	From E/W EAST	County CHAVES
Latitude 32.9962426					Longitude 104.0992584				NAD 83

First Take Point (FTP)

UL B	Section 26	Township 15S	Range 28E	Lot	Feet 34	From N/S NORTH	Feet 1654	From E/W EAST	County CHAVES
Latitude 32.9941625					Longitude 104.0992758				NAD 83

Last Take Point (LTP)

UL B	Section 35	Township 15S	Range 28E	Lot	Feet 657	From N/S NORTH	Feet 1650	From E/W EAST	County CHAVES
Latitude 32.9778983					Longitude 104.0992142				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 23 T15S R28E

Klondike State Com 2H

Wellbore #1

Survey: Survey #1

Standard Survey Report

19 June, 2023



Microsoft
Survey Report



Company:	Mack Energy	Local Co-ordinate Reference:	Well Klondike State Com 2H
Project:	Chaves County	TVD Reference:	3575+17.6 @ 3592.60usft
Site:	Sec 23 T15S R28E	MD Reference:	3575+17.6 @ 3592.60usft
Well:	Klondike State 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 23 T15S R28E			
Site Position:		Northing:	726,224.28 usft	Latitude:	32.996178
From:	Map	Easting:	612,464.13 usft	Longitude:	-104.101341
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.13 °

Well	Klondike State Com 2H					
Well Position	+N/-S	0.00 usft	Northing:	726,236.08 usft	Latitude:	32.996206
	+E/-W	0.00 usft	Easting:	613,098.90 usft	Longitude:	-104.099271
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,575.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	05/26/23	6.62	60.60	47,722.20379451

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	179.72	

Survey Program	Date	06/19/23			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
160.00	9,319.00	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	
160.00	0.70	324.49	160.00	0.80	-0.57	-0.80	0.44	0.44	0.00	
1st MWD Survey										
220.00	0.26	18.09	219.99	1.22	-0.74	-1.23	0.97	-0.73	89.33	
402.00	0.40	34.40	401.99	2.14	-0.25	-2.14	0.09	0.08	8.96	
495.00	0.50	14.30	494.99	2.80	0.03	-2.80	0.20	0.11	-21.61	
586.00	0.80	19.60	585.98	3.78	0.34	-3.78	0.34	0.33	5.82	
681.00	0.40	80.10	680.98	4.47	0.89	-4.46	0.73	-0.42	63.68	
776.00	0.50	56.60	775.97	4.75	1.57	-4.74	0.22	0.11	-24.74	
871.00	0.70	345.60	870.97	5.54	1.77	-5.53	0.75	0.21	-74.74	
965.00	0.50	23.80	964.97	6.47	1.79	-6.46	0.46	-0.21	40.64	

Microsoft
Survey Report



Company:	Mack Energy	Local Co-ordinate Reference:	Well Klondike State Com 2H
Project:	Chaves County	TVD Reference:	3575+17.6 @ 3592.60usft
Site:	Sec 23 T15S R28E	MD Reference:	3575+17.6 @ 3592.60usft
Well:	Klondike State 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)
1,060.00	0.20	115.20	1,059.96	6.78	2.11	-6.77	0.57	-0.32	96.21
1,127.00	0.40	50.30	1,126.96	6.88	2.39	-6.87	0.54	0.30	-96.87
1,270.00	0.50	184.80	1,269.96	6.58	2.72	-6.57	0.58	0.07	94.06
1,365.00	0.40	234.40	1,364.96	5.97	2.42	-5.96	0.41	-0.11	52.21
1,460.00	0.40	217.30	1,459.96	5.52	1.95	-5.51	0.13	0.00	-18.00
1,554.00	1.10	31.80	1,553.95	6.02	2.23	-6.01	1.59	0.74	185.64
1,649.00	1.40	32.80	1,648.93	7.77	3.34	-7.76	0.32	0.32	1.05
1,743.00	1.30	28.10	1,742.90	9.68	4.46	-9.66	0.16	-0.11	-5.00
1,838.00	1.10	11.50	1,837.88	11.52	5.15	-11.50	0.42	-0.21	-17.47
1,933.00	0.40	333.00	1,932.87	12.71	5.18	-12.69	0.87	-0.74	-40.53
2,027.00	0.70	338.50	2,026.87	13.54	4.82	-13.51	0.32	0.32	5.85
2,122.00	1.60	228.20	2,121.86	13.19	3.62	-13.18	2.06	0.95	-116.11
2,169.00	5.50	202.10	2,168.76	10.67	2.28	-10.66	8.77	8.30	-55.53
2,217.00	10.20	194.60	2,216.30	4.42	0.34	-4.42	10.00	9.79	-15.62
2,311.00	18.90	187.60	2,307.20	-18.77	-3.77	18.75	9.43	9.26	-7.45
2,358.00	22.30	185.30	2,351.19	-35.20	-5.61	35.17	7.43	7.23	-4.89
2,406.00	26.00	182.80	2,394.98	-54.78	-6.96	54.75	8.00	7.71	-5.21
2,453.00	29.80	180.20	2,436.52	-76.76	-7.51	76.72	8.49	8.09	-5.53
2,501.00	33.10	179.70	2,477.46	-101.80	-7.48	101.76	6.90	6.87	-1.04
2,548.00	36.40	180.70	2,516.07	-128.59	-7.58	128.55	7.13	7.02	2.13
2,595.00	38.20	181.60	2,553.46	-157.06	-8.16	157.02	4.00	3.83	1.91
2,642.00	42.10	180.20	2,589.38	-187.35	-8.62	187.31	8.52	8.30	-2.98
2,689.00	46.00	178.60	2,623.15	-220.02	-8.26	219.98	8.63	8.30	-3.40
2,738.00	50.20	177.60	2,655.87	-256.46	-7.04	256.43	8.70	8.57	-2.04
2,756.00	51.40	177.50	2,667.24	-270.40	-6.45	270.37	6.68	6.67	-0.56
2,784.00	52.50	177.60	2,684.50	-292.43	-5.50	292.40	3.94	3.93	0.36
2,816.00	53.40	177.80	2,703.78	-317.95	-4.48	317.92	2.86	2.81	0.62
2,847.00	54.10	177.90	2,722.11	-342.93	-3.54	342.91	2.27	2.26	0.32
2,879.00	54.90	178.10	2,740.69	-368.97	-2.63	368.95	2.55	2.50	0.62
2,910.00	55.50	178.10	2,758.39	-394.41	-1.79	394.39	1.94	1.94	0.00
2,942.00	56.30	178.00	2,776.33	-420.89	-0.89	420.88	2.51	2.50	-0.31
2,973.00	56.80	177.80	2,793.41	-446.74	0.06	446.73	1.70	1.61	-0.65
3,003.00	57.50	177.90	2,809.69	-471.92	1.01	471.92	2.35	2.33	0.33
3,033.00	58.20	177.80	2,825.65	-497.30	1.96	497.31	2.35	2.33	-0.33
3,068.00	59.20	178.10	2,843.83	-527.19	3.03	527.20	2.95	2.86	0.86
3,082.00	60.40	178.10	2,850.88	-539.28	3.43	539.29	8.57	8.57	0.00
3,115.00	64.70	179.80	2,866.09	-568.55	3.96	568.57	13.81	13.03	5.15
3,162.00	71.30	181.00	2,883.68	-612.11	3.64	612.12	14.24	14.04	2.55
3,209.00	74.00	181.80	2,897.70	-656.95	2.55	656.95	5.97	5.74	1.70
3,257.00	77.90	181.70	2,909.35	-703.48	1.12	703.48	8.13	8.12	-0.21
3,288.00	80.20	181.80	2,915.24	-733.90	0.20	733.89	7.43	7.42	0.32
3,352.00	85.30	181.00	2,923.31	-797.35	-1.35	797.33	8.06	7.97	-1.25
3,484.00	88.70	181.10	2,930.22	-929.13	-3.77	929.10	2.58	2.58	0.08

Microsoft
Survey Report



Company:	Mack Energy	Local Co-ordinate Reference:	Well Klondike State Com 2H
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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)	
3,579.00	88.90	181.20	2,932.21	-1,024.09	-5.67	1,024.05	0.24	0.21	0.11	
3,673.00	89.50	181.70	2,933.52	-1,118.05	-8.05	1,118.00	0.83	0.64	0.53	
3,767.00	88.90	180.50	2,934.83	-1,212.02	-9.86	1,211.96	1.43	-0.64	-1.28	
3,862.00	89.50	181.10	2,936.16	-1,307.00	-11.18	1,306.93	0.89	0.63	0.63	
3,957.00	88.70	179.10	2,937.65	-1,401.98	-11.35	1,401.91	2.27	-0.84	-2.11	
4,051.00	89.30	178.80	2,939.29	-1,495.95	-9.63	1,495.89	0.71	0.64	-0.32	
4,146.00	89.90	179.30	2,939.95	-1,590.94	-8.05	1,590.88	0.82	0.63	0.53	
4,241.00	90.60	179.50	2,939.54	-1,685.93	-7.06	1,685.87	0.77	0.74	0.21	
4,350.00	89.70	178.70	2,939.26	-1,794.91	-5.35	1,794.87	1.10	-0.83	-0.73	
4,444.00	90.40	178.00	2,939.17	-1,888.87	-2.64	1,888.84	1.05	0.74	-0.74	
4,539.00	88.50	179.50	2,940.08	-1,983.84	-0.57	1,983.81	2.55	-2.00	1.58	
4,634.00	89.00	179.60	2,942.16	-2,078.81	0.18	2,078.79	0.54	0.53	0.11	
4,729.00	87.80	178.80	2,944.81	-2,173.76	1.51	2,173.75	1.52	-1.26	-0.84	
4,823.00	88.20	178.80	2,948.09	-2,267.69	3.47	2,267.68	0.43	0.43	0.00	
4,918.00	89.30	179.50	2,950.16	-2,362.65	4.88	2,362.65	1.37	1.16	0.74	
5,013.00	88.60	178.40	2,951.90	-2,457.62	6.62	2,457.62	1.37	-0.74	-1.16	
5,108.00	89.30	178.20	2,953.64	-2,552.56	9.44	2,552.57	0.77	0.74	-0.21	
5,202.00	88.00	178.10	2,955.86	-2,646.48	12.47	2,646.51	1.39	-1.38	-0.11	
5,297.00	88.70	178.10	2,958.59	-2,741.39	15.62	2,741.43	0.74	0.74	0.00	
5,391.00	89.20	178.30	2,960.32	-2,835.33	18.57	2,835.38	0.57	0.53	0.21	
5,486.00	89.50	178.50	2,961.39	-2,930.28	21.23	2,930.35	0.38	0.32	0.21	
5,580.00	90.30	179.30	2,961.56	-3,024.26	23.03	3,024.34	1.20	0.85	0.85	
5,675.00	88.60	179.00	2,962.47	-3,119.25	24.44	3,119.33	1.82	-1.79	-0.32	
5,769.00	88.70	179.40	2,964.69	-3,213.21	25.75	3,213.30	0.44	0.11	0.43	
5,863.00	89.60	179.60	2,966.08	-3,307.20	26.57	3,307.29	0.98	0.96	0.21	
5,958.00	90.10	179.90	2,966.33	-3,402.19	26.99	3,402.28	0.61	0.53	0.32	
6,053.00	88.60	180.50	2,967.41	-3,497.18	26.66	3,497.27	1.70	-1.58	0.63	
6,148.00	88.70	180.40	2,969.64	-3,592.15	25.91	3,592.24	0.15	0.11	-0.11	
6,242.00	89.40	180.30	2,971.20	-3,686.14	25.34	3,686.22	0.75	0.74	-0.11	
6,337.00	89.80	180.50	2,971.87	-3,781.13	24.67	3,781.21	0.47	0.42	0.21	
6,432.00	90.50	180.50	2,971.62	-3,876.13	23.84	3,876.20	0.74	0.74	0.00	
6,526.00	88.50	180.10	2,972.44	-3,970.12	23.35	3,970.19	2.17	-2.13	-0.43	
6,621.00	88.90	180.10	2,974.59	-4,065.10	23.19	4,065.16	0.42	0.42	0.00	
6,715.00	89.20	180.40	2,976.15	-4,159.08	22.77	4,159.14	0.45	0.32	0.32	
6,810.00	89.80	180.20	2,976.98	-4,254.08	22.28	4,254.13	0.67	0.63	-0.21	
6,904.00	90.60	180.80	2,976.65	-4,348.07	21.46	4,348.12	1.06	0.85	0.64	
6,999.00	88.20	180.00	2,977.65	-4,443.06	20.79	4,443.10	2.66	-2.53	-0.84	
7,094.00	89.00	179.80	2,979.97	-4,538.03	20.96	4,538.07	0.87	0.84	-0.21	
7,189.00	89.30	179.70	2,981.38	-4,633.01	21.37	4,633.06	0.33	0.32	-0.11	
7,283.00	90.00	180.30	2,981.95	-4,727.01	21.37	4,727.06	0.98	0.74	0.64	
7,378.00	88.60	179.60	2,983.11	-4,822.00	21.46	4,822.05	1.65	-1.47	-0.74	
7,473.00	88.80	180.20	2,985.27	-4,916.98	21.62	4,917.02	0.67	0.21	0.63	
7,567.00	87.60	181.40	2,988.22	-5,010.92	20.31	5,010.96	1.80	-1.28	1.28	

Microsoft
Survey Report



Company:	Mack Energy	Local Co-ordinate Reference:	Well Klondike State Com 2H
Project:	Chaves County	TVD Reference:	3575+17.6 @ 3592.60usft
Site:	Sec 23 T15S R28E	MD Reference:	3575+17.6 @ 3592.60usft
Well:	Klondike State 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)	
7,662.00	85.70	182.00	2,993.77	-5,105.71	17.50	5,105.73	2.10	-2.00	0.63	
7,747.00	85.40	181.00	3,000.37	-5,190.42	15.28	5,190.44	1.22	-0.35	-1.18	
7,842.00	89.20	180.90	3,004.84	-5,285.29	13.71	5,285.29	4.00	4.00	-0.11	
7,936.00	90.20	181.10	3,005.33	-5,379.27	12.07	5,379.26	1.08	1.06	0.21	
8,031.00	90.30	181.90	3,004.92	-5,474.24	9.58	5,474.22	0.85	0.11	0.84	
8,125.00	91.10	181.00	3,003.77	-5,568.20	7.20	5,568.17	1.28	0.85	-0.96	
8,220.00	90.80	178.30	3,002.19	-5,663.17	7.78	5,663.14	2.86	-0.32	-2.84	
8,315.00	91.50	178.50	3,000.29	-5,758.12	10.43	5,758.10	0.77	0.74	0.21	
8,410.00	89.40	178.00	2,999.54	-5,853.06	13.33	5,853.06	2.27	-2.21	-0.53	
8,505.00	89.70	177.90	3,000.29	-5,948.00	16.73	5,948.01	0.33	0.32	-0.11	
8,599.00	90.00	178.60	3,000.53	-6,041.95	19.60	6,041.98	0.81	0.32	0.74	
8,694.00	88.00	178.00	3,002.19	-6,136.89	22.42	6,136.93	2.20	-2.11	-0.63	
8,789.00	88.20	178.10	3,005.34	-6,231.79	25.65	6,231.84	0.24	0.21	0.11	
8,884.00	88.80	179.20	3,007.83	-6,326.73	27.89	6,326.79	1.32	0.63	1.16	
8,978.00	89.60	179.80	3,009.14	-6,420.71	28.71	6,420.77	1.06	0.85	0.64	
9,073.00	90.40	178.70	3,009.14	-6,515.70	29.95	6,515.77	1.43	0.84	-1.16	
9,167.00	91.30	179.30	3,007.75	-6,609.67	31.59	6,609.75	1.15	0.96	0.64	
9,261.00	91.90	179.80	3,005.12	-6,703.63	32.33	6,703.71	0.83	0.64	0.53	
Last MWD Survey 9261 MD/3005.12 TVD -6703.63 S 32.33 E N: 719532.4 E: 613131.2										
9,319.00	91.90	179.80	3,003.20	-6,761.60	32.53	6,761.68	0.00	0.00	0.00	
PTB 9319 MD/3003.20 TVD -6761.60 S 32.53 E N: 719474.4 E: 613131.4										

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
160.00	160.00	0.80	-0.57	1st MWD Survey
9,261.00	3,005.12	-6,703.63	32.33	Last MWD Survey 9261 MD/3005.12 TVD -6703.63 S 32.33 E N: 719532.4 E: 6
9,319.00	3,003.20	-6,761.60	32.53	PTB 9319 MD/3003.20 TVD -6761.60 S 32.53 E N: 719474.4 E: 613131.4

Checked By: _____	Approved By: _____	Date: _____
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Submit a Copy To Appropriate District Office
 District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV – (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-005-64366
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. VB-22540
3. Address of Operator P.O. Box 960 Artesia, NM 88211		7. Lease Name or Unit Agreement Name Klondike State Com
4. Well Location Unit Letter <u>O</u> : <u>710</u> feet from the <u>South</u> line and <u>1650</u> feet from the <u>East</u> line Section <u>23</u> Township <u>15S</u> Range <u>28E</u> NMPM County <u>Chaves</u>		8. Well Number 2H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3575' GR		9. OGRID Number 13837
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.

6/27-7/20/2023 Perforated 3298-9220' w/ 792 holes. Frac w/ 1,043.2bbls 15% Acid, 10,592.7bbls SW, 119,835.6bbls X-Link, 534,260# 100 Mesh, 876,060# 30/50 White, 4,449,430# 20/40 White, 785,620# 20/40 Super LC. RIH w/ 91jts 3 1/2" 9.2# J-55 @ 2968', 102 M 1200 Stator @ 3010'.

Spud Date:

6/8/2023

Rig Release Date:

6/19/2023

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

SIGNATURE Deana Weaver TITLE Regulatory Tech II DATE 7/26/2023

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								1. WELL API NO. 30-005-64366		
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)								2. Type of Lease ☒ STATE ☐ FEE ☐ FED/INDIAN		
								3. State Oil & Gas Lease No. VB-22540		
5. Lease Name or Unit Agreement Name Klondike State 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 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:	O	23	15S	28E		710	S	1650	East	Chaves
BH:	B	35	15S	28E		756	N	1650	East	Chaves
13. Date Spudded 6/8/2023	14. Date T.D. Reached 6/18/2023		15. Date Rig Released 6/19/2023			16. Date Completed (Ready to Produce) 7/20/2023		17. Elevations (DF and RKB, RT, GR, etc.) 3575' GR		
18. Total Measured Depth of Well 9319'			19. Plug Back Measured Depth 9319'			20. Was Directional Survey Made? Yes		21. Type Electric and Other Logs Run Submitted		
22. Producing Interval(s), of this completion - Top, Bottom, Name 3298-9220' 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#		208'		17 1/2"		285SX		
9 5/8"		36#		1198'		12 1/4"		420sx		
7"		26#		3131'		8 3/4"		175sx		
5 1/2"		17#		9319'		8 3/4"		1635sx		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET			
					3 1/2"	2968'				
26. Perforation record (interval, size, and number) 3298-9220', .41, 792 holes						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						3298-9220'		1043.2 bbls 15% Acid, 10,592.7 bbls SW, 119,835.6 bbls X-Link		
								534,260# 100 Mesh, 876,060# 30/50 White, 4,449,430# 20/40 White, 785,620# 20/40 Super LC		
28. PRODUCTION										
Date First Production 7/24/2023		Production Method (Flowing, gas lift, pumping - Size and type pump) 102 M 1200 Stator @ 3010'				Well Status (Prod. or Shut-in) Producing				
Date of Test 7/24/2023	Hours Tested 24hrs	Choke Size	Prod'n For Test Period	Oil - Bbl 11	Gas - MCF 4	Water - Bbl. 1263	Gas - Oil Ratio 3636			
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl. 11	Gas - MCF 4	Water - Bbl. 1263	Oil Gravity - API - (Corr.) 37.600				
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: 6/19/2023		
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>Deana Weaver</i> Name Deana Weaver Title Regulatory Tech II Date 7/26/2023										
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 550'	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers 788'	T. Devonian	T. Cliff House	T. Leadville
T. Queen 1278'	T. Silurian	T. Menefee	T. Madison
T. Grayburg 1678'	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres 2005'	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



Released to Imaging: 11/7/2023 9:47:08 AM

Mack Energy
Project: Chaves County
Site: Sec 23 T15S R28E
Well: Klondike State Com 2H
Wellbore: Wellbore #1
Plan: Plan #1 (Klondike State Com 2H/Wellbore #1)

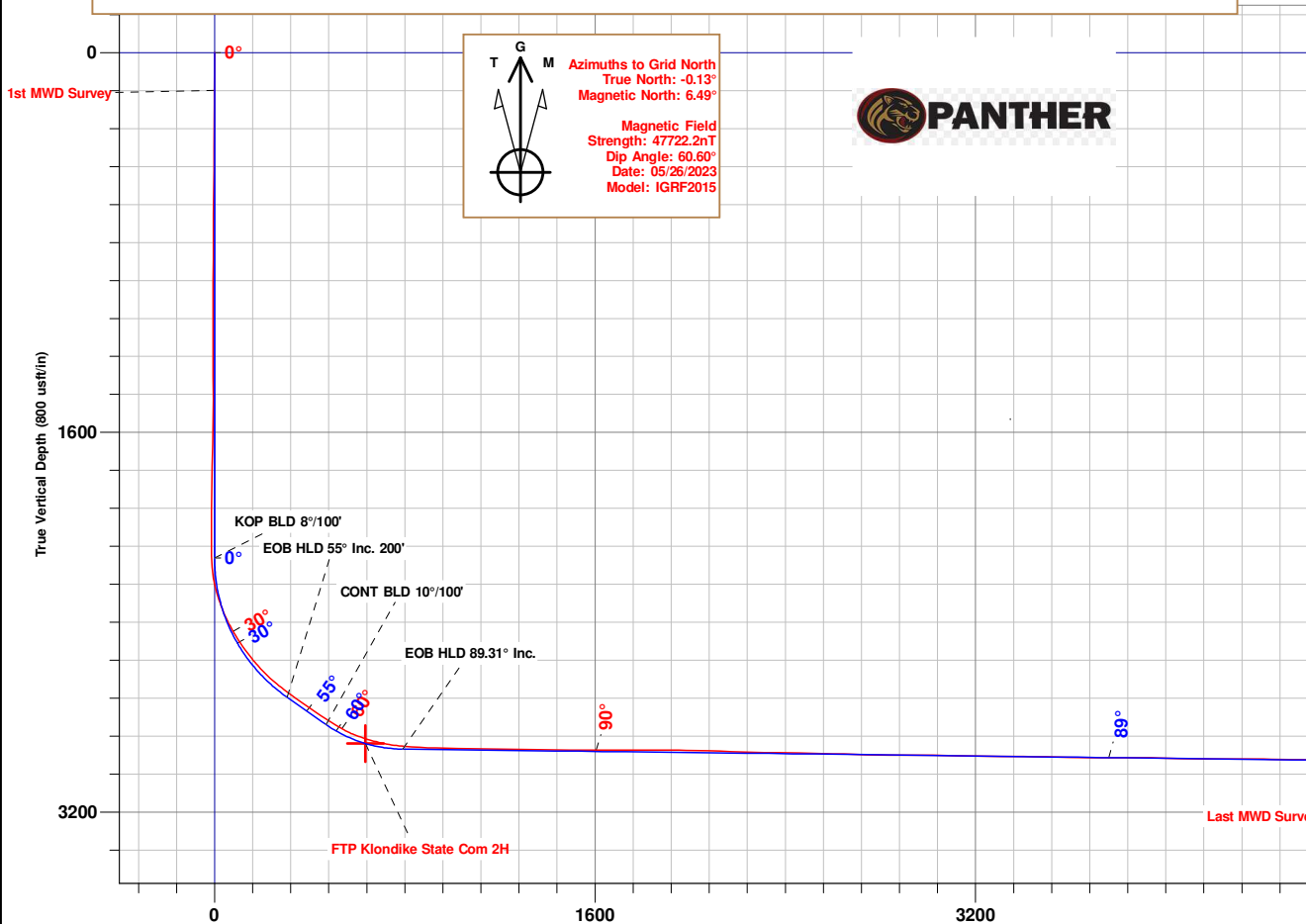
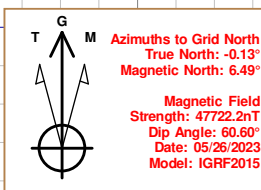
WELL DETAILS: Klondike State Com 2H
Ground Elevation: 3575.00
RKB Elevation: 3575+17.6 @ 3592.60usft
Rig Name:
Northing 726236.08 Easting 613098.90 Latitude 32.996206 Longitude -104.099270

DESIGN TARGET DETAILS

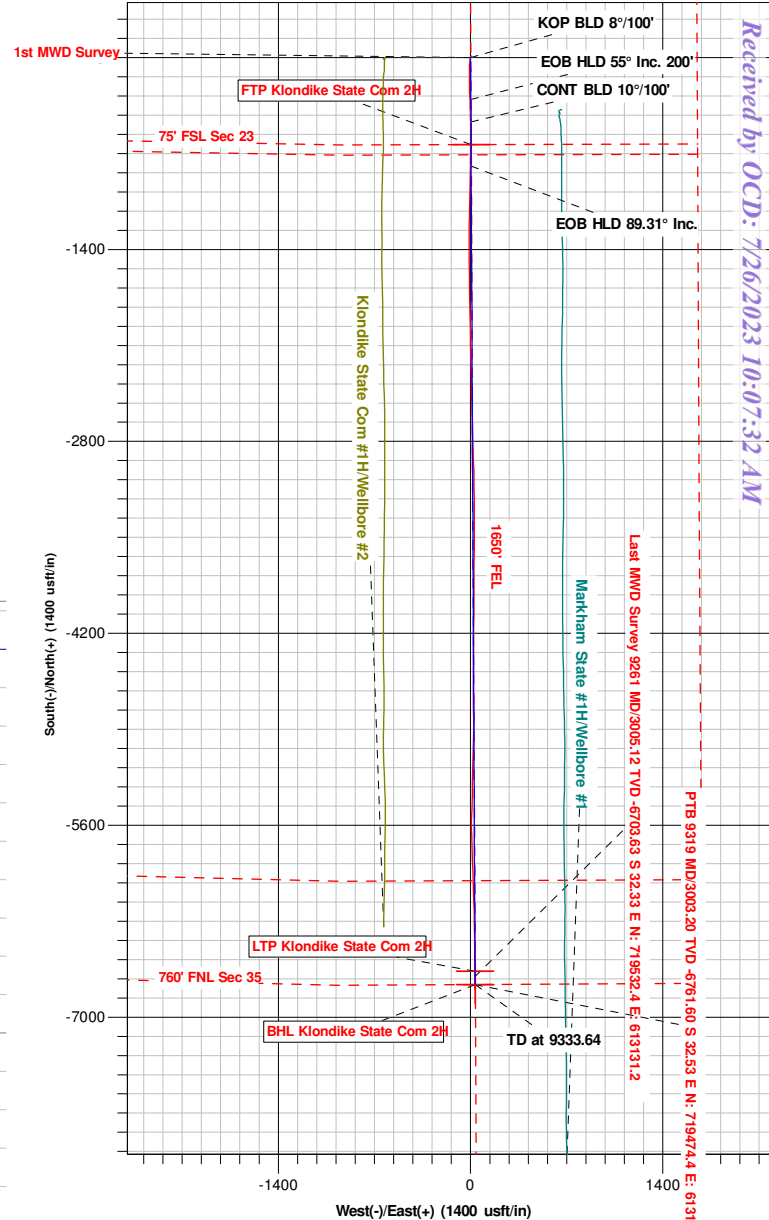
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
FTP Klondike State Com 2H	2911.39	-634.92	3.35	725601.16	613102.25	32.994461	-104.099264
- plan misses target center by 0.25usft MD (2911.39 TVD, -634.92 N, 3.10 E)							
LTP Klondike State Com 2H	3005.79	-6663.49	32.39	719572.59	613131.29	32.977891	-104.099213
- plan misses target center by 0.04usft at 9233.67usft MD (3005.79 TVD, -6663.49 N, 32.35 E)							
BHL Klondike State Com 2H	3007.00	-6763.46	32.84	719472.62	613131.74	32.977616	-104.099212
- plan hits target center							

Section Details

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2130.04	0.00	0.00	2130.04	0.00	0.00	0.00	0.00	0.00
2817.54	55.00	179.72	2716.71	-305.40	1.49	8.00	179.72	305.40
3017.54	55.00	179.72	2831.43	-469.23	2.29	0.00	0.00	469.23
3360.63	89.31	179.72	2935.00	-790.95	3.86	10.00	0.00	790.96
9333.64	89.31	179.72	3007.00	-6763.46	32.84	0.00	0.00	6763.54



Vertical Section at 179.72° (800 usft/in)



LTP Klondike State Com 2H
BHL Klondike State Com 2H
TD at 9333.64
Last MWD Survey 9261 MD/3005.12 TVD -6703.63 S 32.33 E N: 719532.4 E: 613131.2
PTB 9319 MD/3003.20 TVD -6761.60 S 32.53 E N: 719474.4 E: 613131.4

Received by OCD: 7/26/2023 10:07:32 AM

Page 13 of 15

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 244501

ACKNOWLEDGMENTS

Operator: MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID: 13837
	Action Number: 244501
	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
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1000 Rio Brazos Rd., Aztec, NM 87410
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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 244501

CONDITIONS

Operator: MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID: 13837
	Action Number: 244501
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	None	11/7/2023