



U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Well Completion Print

01/23/2024

Operator Name MACK ENERGY CORPORATION	Well Name RED DEER FEDERAL COM	Well Number 3H	US Well Number 3000564384
SHL SWSW Sec 23 15S 28E	County CHAVES	State NM	Lease Number(s) NMNM0132939
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name Red Deer Federal Com	Well Pad Number 3H	APD ID 10400086418

Section 1 - General

Well Completion Report Id: 89989**Submission Date:** 11-06-2023**BLM Office:** Roswell Field Office**User:** DEANA WEAVER**Title:** Production Clerk**Federal/Indian:** FEDERAL**Lease Number:** NMNM0132939**Lease Acres:****Agreement in place?:** NO**Federal or Indian Agreement:****Agreement Number:****Agreement Name:****Additional Information****Keep this Well Completion Report confidential?:** YES**APD Operator:** MACK ENERGY CORPORATION

Section 2 - Well

Field/Pool or Exploratory:**Pool Name:** SAN ANDRES**Field Name:** Double L**Well Type:** OIL WELL**Spud Date:** 07-23-2023**Date Total Measured Depth Reached:** 10-16-2023**Drill & Abandon or Ready To Produce:** READY TO PRODUCE**Well Class:** HORIZONTAL

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Section 3 - Geologic

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral
QUÁTERNARY	ALLUVIUM		3618	0	0	NONE	
YATES	ANHYDRITE, SILTSTONE		3077	541	541	NATURAL GAS, OIL	
SEVEN RIVERS	ANHYDRITE, SILTSTONE		2838	780	780	NATURAL GAS, OIL	
QUEEN	ANHYDRITE, SILTSTONE		2341	1277	1277	NATURAL GAS, OIL	
GRAYBURG	ANHYDRITE, DOLOMITE, SILTSTONE		1923	1695	1695	NATURAL GAS, OIL	
SAN ANDRES	ANHYDRITE, DOLOMITE		1611	2007	2007	NATURAL GAS, OIL	

Completion and Completed

Completion Data

Wellbore Code	Completion Code	Interval Number	Case Number	Lease Number	Well Completion Type	Describe Well Completion Type	Completion Status	Date Completed	Date First Produced	Formation	Interval Top (MD)	Interval Bottom (MD)	Interval Perforated?	Perforation Size	Number of Holes	Status of Interval
00	S1	1	NMNM0132939	NMNM0132939	NEW		POW	10-16-2023	11-01-2023	SAN ANDRES	3529	8600	Y	.41	672	OPEN

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Treatment Data

Wellbore Code	Completion Code	Interval Number	Interval Treated?	Treatment Type	Total Fluid (bbls)	Total Proppant (lbs)	Treatment Remarks
00	S1	1	Y	FRAC	137138	5415410	10/1-16/2023 Perforated 3529-8600' w/ 672 holes. Frac w/ 39,972.42bbls 15% Acid, 8551.3bbbls Slickwater 98,615bbbls 20# Crosslink, 424,290# 100 Mesh, 749,870# 30/50 WI White, 3,603,720# WI White, 637,530# 20/40 Super LC. RIH w/ 89jts 3 1/2" J-55 tubing @ 2958', 102m 1200 Stator @ 2997'.

Production Data

Wellbore Code	Completion Code	Interval Number	API Oil Gravity	Gas Gravity	Production Method	Describe Production	Disposition of Gas	Describe Disposition
00	S1	1	37	0.6	ELECTRIC PUMPING UNIT		SOLD	

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Test Data

Wellbore Code	Completion Code	Interval Number	Test Date	Hours Tested	24-Hour Rate Oil (bbls)	24-Hour Rate Gas (MCF)	24-Hour Rate Water(BWPD)	Gas-Oil Ratio (SCF/Bbl)	Choke Size	Tubing Pressure	Tubing Pressure Shut-In (psi)	Casing Pressure (psi)
00	S1	1	11/03/2023	24	35	1	1736	28				

Well Location

Survey Type: RECTANGULAR

Survey Number: 9441

Datum: NAD83

Vertical Datum: NAVD88

Reference Datum: GL

	State	Meridian	County	Latitude	Longitude	Elevation (MSL)	MD (ft)	TVD (ft)	Lease Type	Lease Number	Plug TVD (ft)	Plug MD (ft)	Plug Type	NS-Foot	NS-Indicator	EW-Foot	EW-Indicator	Township	Range	Section	Aliquot/Lot/Tract
SHL	NEW MEXICO	NEW MEXICO PRINCIPAL	CHAVES	32.9965993	104.1090537	3618	N/A	N/A	FEDERAL	NMNM0132939				810	FSL	650	FWL	15S	28E	23	SWSW
KOP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	CHAVES	32.9965323	104.1091327	1547	2071	2071	FEDERAL	NMNM0132939				785	FSL	626	FWL	15S	28E	23	SWSW
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	CHAVES	32.9940949	104.1101484	711	3396	2907	FEDERAL	NMNM0132939				108	FNL	314	FWL	15S	28E	26	NWNW
EXIT Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	CHAVES	32.9801646	104.1101566	629	8644	2989	FEDERAL	NMNM0142019				106	FSL	328	FWL	15S	28E	26	SWSW

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	State	Meridian	County	Latitude	Longitude	Elevation (MSL)	MD (ft)	TVD (ft)	Lease Type	Lease Number	Plug TVD (ft)	Plug MD (ft)	Plug Type	NS-Foot	NS-Indicator	EW-Foot	EW-Indicator	Township	Range	Section	Aliquot/Lot/Tract
BHL Wellbore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	CHAVES	32.9798815	-104.11016	628	8703	2990	FEDERAL	NMNM0142019				3	FSL	329	FWL	15S	28E	26	SWSW

Casing, Liner and Tubing

Casing and Liner

Wellbore Code	Casing String Type	Hole Size	Top Setting Depth (MD)	Bottom Setting Depth (MD)	Casing Size	Wt(lbs/ft)	Casing Grade	Describe Other Casing Grade	Joint	Other Joint	Amount Pulled (ft)
00	SURFACE	17.5	0	250	13.375	48	J-55		ST&C		
00	INTERMEDIATE	12.25	0	1200	9.625	36	J-55		LT&C		
00	PRODUCT ION	8.75	0	1975	7.0	26	HCP-110		LT&C		
00	PRODUCT ION	8.75	1975	3025	7.0	26	HCP-110		BUTT		

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Casing and Liner

Wellbore Code	Casing String Type	Hole Size	Top Setting Depth (MD)	Bottom Setting Depth (MD)	Casing Size	Wt(lbs/ft)	Casing Grade	Describe Other Casing Grade	Joint	Other Joint	Amount Pulled (ft)
00	PRODUCT ION	8.75	3025	8703	5.5	17	HCP-110		BUTT		

Cementing

Wellbore Code	Casing String Type	Stage Tool Depth	Cement Lead Type	Cement Lead Qty (sks)	Cement Lead Yield (cu.ft/sks)	Cement Lead Top (MD)	Cement Tail Type	Cement Tail Qty (sks)	Cement Tail Yield(cu.ft/sks)	Cement Tail Top (MD)	Total (Lead + Tail) Cement Slurry Volume
00	SURFACE		RFC+12 % PF53+2% PF1+5 ppsPF42 +.125pps PF29	140	1.61	0	Class C+1% PF1	200	1.34	0	87.9
00	INTERME DIATE		Class C 1% PF1	420	1.34	0					100.2
00	PRODUCT ION		50/50 Poz/C+10 % PF20+.5 % PF79+3p ps PF42+.4p ps PF45 + .125pps	360	2.82	0	50/50 Poz/C+5%P F44 + 5% PF79+3pps PF42 + .4pps PF45 + .125pps PF29	1820	1.34	0	615.2

Tubing

Wellbore Code	Tubing Size	Describe Other	Tubing Setting Depth (MD/ft)	Packer Depth (MD/ft)	Tubing Weight	Tubing Grade	Describe Other	Tubing Coupling	Describe Other
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Tubing

Wellbore Code	Tubing Size	Describe Other	Tubing Setting Depth (MD/ft)	Packer Depth (MD/ft)	Tubing Weight	Tubing Grade	Describe Other	Tubing Coupling	Describe Other
00	3.5		2958	2997	9	J-55			

Logs

Wellbore Code	Log Upload	Was Well Cored?	Was DST Run?	Directional Survey?	Geologic Report	Wellbore Diagram
00	YES	NO	NO	NO	NO	YES

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Operator

I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Well Completion Reports through this system satisfies regulations requiring a submission of Form 3160-4 or a Well Completion Report.

Name: MACK ENERGY CORPORATION**Signed By:** DEANA WEAVER**Title:** Production Clerk**Signed on:** 01/23/2024**Street Address:** 11344 Lovington HWY**City:** Artesia**State:** NM**Zip:** 88211**Phone:** (575)748-1288**Email address:** dweaver@mec.com**Field****Representative Name:****Street Address:****City:****State:****Zip:****Phone:****Extension:****Email address:****Attachments**

FINAL_2IN_MD_Red_Deer_Fed_Com_3H_20231101091953.pdf

RED_DEER_FEDERAL_COM_3H_AS_DRILLED_20231101092032.pdf

Red_Deer_Federal_Com_3H_Final_Survey_20231101092041.pdf

Red_Deer_Federal_Com_3H_Lateral_Final_PVA_20231101092201.pdf

Well Name: RED DEER FEDERAL COM	Well Location: T15S / R28E / SEC 23 / SWSW / 32.9965993 / -104.1090537	County or Parish/State: CHAVES / NM
Well Number: 3H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM0132939	Unit or CA Name:	Unit or CA Number:
US Well Number: 3000564384	Well Status: Drilling Well	Operator: MACK ENERGY CORPORATION

Notification

Sundry ID:	2760491	Type of Action:	First Production
Type of Submission:	Notification	Time Sundry Submitted:	8:32:08 AM
Date Sundry Submitted:	Nov 27, 2023		
First Production Date:	Nov 1, 2023		
US Well Number:	3000564384		
Disposition:	Accepted		
Accepted Date:	01/17/2024		

Wellbore Code	Completion Code
00	X1

Well Name: RED DEER FEDERAL COM	Well Location: T15S / R28E / SEC 23 / SWSW / 32.9965993 / -104.1090537	County or Parish/State: CHAVES / NM
Well Number: 3H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM0132939	Unit or CA Name:	Unit or CA Number:
US Well Number: 3000564384	Well Status: Drilling Well	Operator: MACK ENERGY CORPORATION

Subsequent Report

Sundry ID: 2756189

Type of Submission: Subsequent Report	Type of Action: Hydraulic Fracturing
Date Sundry Submitted: 11/06/2023	Time Sundry Submitted: 09:06
Date Operation Actually Began: 10/01/2023	

Actual Procedure: 10/01-16/2023 Perforated 3529-8600' w/ 672 hole. Frac w/ 39,972.42bbls 15% Acid, 8551.3bbls Slickwater, 98,615bbls 20# Crosslink, 424,290# 100 Mesh, 749,870# 30/50 WI White, 3,603,720# 20/40 WI White, 637,530# 20/40 Super LC. RIH w/ 89jts 3 1/2" J-55 tubing @ 2958', 102m 1200 Stator @ 2997'.

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Lease Number: NMNM0132939	Unit or CA Name:	Unit or CA Number:
US Well Number: 3000564384	Well Status: Drilling Well	Operator: MACK ENERGY CORPORATION

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: DEANA WEAVER	Signed on: NOV 01, 2023 08:49 AM
Name: MACK ENERGY CORPORATION	
Title: Production Clerk	
Street Address: 11344 Lovington HWY	
City: Artesia	State: NM
Phone: (575) 748-1288	
Email address: dweaver@mec.com	

Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: JENNIFER SANCHEZ	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5756270237	BLM POC Email Address: j1sanchez@blm.gov
Disposition: Accepted	Disposition Date: 01/16/2024
Signature: Jennifer Sanchez	

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 345345

ACKNOWLEDGMENTS

Operator: MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID: 13837
	Action Number: 345345
	Action Type: [C-105] Well (Re)Completion (C-105)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
<input checked="" type="checkbox"/>	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 345345

CONDITIONS

Operator: MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID: 13837
	Action Number: 345345
	Action Type: [C-105] Well (Re)Completion (C-105)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	Going forward C-105 is approved however the AFMSS Notification First Production needs to be submitted as [C-103] Sub. for Delivery (C-103V) and the AFMSS Sub. Hydraulic Fracturing needs to be submitted as [103] Sub. (Re) Completion Sundry (C-103T).	5/22/2024