

Well Name: RED DEER FEDERAL COM	Well Location: T15S / R28E / SEC 35 / NENW / 32.9783548 / -104.103827	County or Parish/State: CHAVES / NM
Well Number: 2H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM132939	Unit or CA Name:	Unit or CA Number: NMNM142019
US Well Number: 3000564317	Well Status: Producing Oil Well	Operator: MACK ENERGY CORPORATION

Notice of Intent

Sundry ID: 2771513

Type of Submission: Notice of Intent

Date Sundry Submitted: 02/09/2024

Date proposed operation will begin: 01/24/2024

Type of Action: Produced Water Disposal

Time Sundry Submitted: 07:26

**Procedure Description:** Onshore Order No. 7 1. Name of formations producing water on lease. Round Tank San Andres 2. Amount of water produced in barrels per day. 3259 3. Water analysis. Attached 4. How is water stored on lease. Fiberglass Tanks 5. How water is moved to disposal facility. Pipeline 6. Disposal facility. Mack Energy Corporation, Round Tank SWD #1, WDW, NESW Sec. 19 T15S R29E

NOI Attachments

Procedure Description

Red\_Deer\_Battery\_WA\_020824\_20240209072615.pdf

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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

<b>Operator Electronic Signature:</b> DEANA WEAVER	<b>Signed on:</b> FEB 09, 2024 07:26 AM
<b>Name:</b> MACK ENERGY CORPORATION	
<b>Title:</b> Production Clerk	
<b>Street Address:</b> 11344 Lovington HWY	
<b>City:</b> Artesia	<b>State:</b> NM
<b>Phone:</b> (575) 748-1288	
<b>Email address:</b> dweaver@mec.com	

Field

<b>Representative Name:</b>		
<b>Street Address:</b>		
<b>City:</b>	<b>State:</b>	<b>Zip:</b>
<b>Phone:</b>		
<b>Email address:</b>		

BLM Point of Contact

<b>BLM POC Name:</b> RICK R FLORES	<b>BLM POC Title:</b> Natural Resource Specialist
<b>BLM POC Phone:</b> 5756270339	<b>BLM POC Email Address:</b> rflores@blm.gov
<b>Disposition:</b> Accepted	<b>Disposition Date:</b> 02/15/2024
<b>Signature:</b> Ricky Flores	



**Catalyst Oilfield Services**  
 11999 E Hwy 158  
 Gardendale, TX 79758  
 (432) 563-0727  
 Fax: (432) 224-1038

## Water Analysis Report

Customer:	Mack Energy Corporation	Sample #:	287220
Area:	Artesia	Analysis ID #:	208500
Lease:	Red Deer	BOPD:	
Location:	Battery	BWPD:	
Sample Point:	Transfer Pump		

		Anions	mg/l	meq/l	Cations	mg/l	meq/l
Sampling date:	1/25/2024	Chloride:	71620.4	2019.69	Sodium:	44680.0	1943.47
Analysis date:	2/7/2024	Bicarbonate:	927.2	15.21	Magnesium:	710.2	58.42
Analysis:	Catalyst	Carbonate:		0.00	Calcium:	2129.0	106.24
TDS (mg/l or g/m3):	124475	Sulfate:	3900.0	81.12	Potassium:	352.0	9.00
Density (g/cm3):	1.082	Borate:	112.2	0.71	Strontium:	43.4	0.99
Hydrogen Sulfide:	127.5	Phosphorus:		0.00	Barium:	0.1	0.00
Carbon Dioxide:	250				Iron:	0.0	0.00
Comments:		pH at time of sampling:		6.20	Manganese:	0.2	0.01
		pH at time of analysis:					
		pH used in Calculation:		6.20	Conductivity (micro-ohms/cm):		153897
		Temperature @ lab conditions(F):		75	Resistivity (ohm meter):		0.0650

Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl											
Temp	Calcite CaCO3		Gypsum CaSO4*2H2O		Anhydrite CaSO4		Celestite SrSO4		Barite BaSO4		
°F	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	
80	0.18	30.40	-0.07	0.00	-0.08	0.00	-0.01	0.00	0.47	0.00	
100	0.28	47.77	-0.13	0.00	-0.07	0.00	-0.04	0.00	0.27	0.00	
120	0.39	65.76	-0.18	0.00	-0.04	0.00	-0.05	0.00	0.10	0.00	
140	0.50	83.44	-0.22	0.00	0.01	24.81	-0.05	0.00	-0.04	0.00	
160	0.62	101.43	-0.25	0.00	0.08	190.45	-0.04	0.00	-0.17	0.00	
180	0.74	118.80	-0.27	0.00	0.17	372.53	-0.03	0.00	-0.27	0.00	
200	0.87	135.24	-0.29	0.00	0.27	557.40	-0.02	0.00	-0.36	0.00	
220	0.99	150.75	-0.31	0.00	0.38	736.07	0.00	0.00	-0.43	0.00	

**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 314934

CONDITIONS

Operator: MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID: 13837
	Action Number: 314934
	Action Type: [C-103] NOI General Sundry (C-103X)

CONDITIONS

Created By	Condition	Condition Date
dmcclosure	ACCEPTED FOR RECORD ONLY	2/20/2024