



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

Sundry Print Report

04/17/2023

Well Name: RIVERBEND 12-13
FEDERAL COM

Well Location: T25S / R28E / SEC 1 /
NESW / 32.156004 / -104.045128

County or Parish/State: EDDY /
NM

Well Number: 31H

Type of Well: CONVENTIONAL GAS
WELL

Allottee or Tribe Name:

Lease Number: NMNM16104

Unit or CA Name:

Unit or CA Number:

US Well Number: 300154597200S1

Well Status: Producing Gas Well

Operator: CIMAREX ENERGY
COMPANY

Notice of Intent

Sundry ID: 2725988

Type of Submission: Notice of Intent

Type of Action: Produced Water Disposal

Date Sundry Submitted: 04/17/2023

Time Sundry Submitted: 12:52

Date proposed operation will begin: 03/09/2020

Procedure Description: Cimarex Energy Company respectfully requests approval for water disposal as follows:
Producing Formation: Wolfcamp (Purple Sage Wolfcamp, gas) Barrels Water Produced Per Day: 400 Water is stored in
6 1000 bbl water tanks before being transported by pipeline to Solaris Water Midstream, LLC's Lobo 285 State SWD #1
(30-015-43979), located in the NENE of Section 22-T25S-R28E, Eddy County, New Mexico. A current water analysis is
attached.

NOI Attachments

Procedure Description

Riverbend_12_13_Fed_Com__31H_water_analysis_20230417125207.pdf

Well Name: RIVERBEND 12-13 FEDERAL COM	Well Location: T25S / R28E / SEC 1 / NESW / 32.156004 / -104.045128	County or Parish/State: EDDY / NM
Well Number: 31H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM16104	Unit or CA Name:	Unit or CA Number:
US Well Number: 300154597200S1	Well Status: Producing Gas Well	Operator: CIMAREX ENERGY COMPANY

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: RUSTY KLEIN

Signed on: APR 17, 2023 12:52 PM

Name: CIMAREX ENERGY COMPANY

Title: Regulatory Analyst IV

Street Address: 600 N MRIENFIELD SUITE 600

City: MIDLAND

State: TX

Phone: (432) 620-1933

Email address: RUSTY.KLEIN@COTERRA.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: DEBORAH L MCKINNEY

BLM POC Title: Legal Instruments Examiner

BLM POC Phone: 5752345931

BLM POC Email Address: dmckinne@blm.gov

Disposition: Accepted

Disposition Date: 04/17/2023

Signature: Deborah McKinney



Complete Water Analysis/Chemical Residual

Customer: COTERRA ENERGY Equipment Description: RIVERBEND 12-13 FEDERAL COM 31H Collection Date: 02/07/2023
Geographic Region: Coterra New Mexico Sample Point: Separator Receive Date: 02/08/2023
Geographic Location: White City Sample ID: AV05056 Report Date: 02/16/2023
System Description: Production System Account Rep: william.kington@championx.com Location Code: 433676

Field Analysis			Sample Analysis		
Analysis	Result	Analysis Method	Analysis	Result	Analysis Method
Total Alkalinity (M-Alk as HCO ₃)	146.4 mg/L	Titration	Specific Gravity	1.074	Densitometer
Dissolved CO ₂	180 mg/L	Titration	Ionic Strength	2.21 mol/L	Calculation
Dissolved H ₂ S	0.0 mg/L	Titration	Total Dissolved Solids	118000 mg/L	Calculation
Pressure Surface	70 psi		Calculated pH	6.50	Calculation
Temperature	38 °F		Calculated CO ₂ in the gas	1.05 %	Calculation
pH of Water	6.5	Meter			
Oil per Day	99.363979026 B/D				
Gas per Day	938.7149025 Mcf/D				
Water per Day	620.82418572 B/D				

Cations - Analyzed By ICP					
Iron	48.3 mg/L	Boron	101 mg/L	Silicon	11.5 mg/L
Manganese	1.92 mg/L	Lithium	27.0 mg/L	Aluminum	0.523 mg/L
Barium	3.00 mg/L	Copper	0.200 mg/L	Molybdenum	0.057 mg/L
Strontium	997 mg/L	Nickel	0.290 mg/L	Phosphorus	<0.200 mg/L
Calcium	4580 mg/L	Zinc	<0.100 mg/L	Measured Sodium	44400 mg/L
Magnesium	713 mg/L	Lead	0.802 mg/L		
Sodium	44400 mg/L	Cobalt	0.682 mg/L		
Potassium	762 mg/L	Chromium	0.094 mg/L		

Anions - Analyzed by IC			
Chloride	65500 mg/L	Sulfate	208 mg/L
Bromide	525 mg/L		

PTB								SI							
	Anhydrite	Barite	Calcite	Celestite	Gypsum	Halite	Iron Carbonate		Anhydrite	Barite	Calcite	Celestite	Gypsum	Halite	Iron Carbonate
50°	0.00	1.86	0.00	0.00	0.00	0.00	0.00	50°	-1.65	0.75	-0.67	-0.08	-1.09	-1.31	-1.31
75°	0.00	1.59	0.00	0.00	0.00	0.00	0.00	75°	-1.43	0.53	-0.39	-0.06	-1.10	-1.33	-0.93
100°	0.00	1.21	0.00	0.00	0.00	0.00	0.00	100°	-1.24	0.34	-0.14	-0.02	-1.08	-1.34	-0.60
125°	0.00	0.75	3.97	10.04	0.00	0.00	0.00	125°	-1.08	0.18	0.09	0.04	-1.07	-1.35	-0.30
150°	0.00	0.22	12.32	24.78	0.00	0.00	0.00	150°	-0.93	0.04	0.30	0.10	-1.05	-1.36	-0.04
175°	0.00	0.00	18.53	39.02	0.00	0.00	5.89	175°	-0.79	-0.06	0.51	0.17	-1.05	-1.37	0.19
200°	0.00	0.00	23.28	52.11	0.00	0.00	11.25	200°	-0.66	-0.15	0.70	0.17	-1.07	-1.37	0.39
225°	0.00	0.00	26.91	63.77	0.00	0.00	15.27	225°	-0.55	-0.23	0.89	0.31	-1.10	-1.37	0.57
250°	0.00	0.00	29.76	73.95	0.00	0.00	18.31	250°	-0.44	-0.29	1.07	0.37	-1.13	-1.37	0.73
275°	0.00	0.00	32.01	82.71	0.00	0.00	20.61	275°	-0.34	-0.35	1.24	0.44	-1.17	-1.36	0.86
300°	0.00	0.00	33.78	90.22	0.00	0.00	22.32	300°	-0.25	-0.40	1.40	0.51	-1.19	-1.36	0.97
325°	0.00	0.00	35.18	96.64	0.00	0.00	23.57	325°	-0.16	-0.45	1.56	0.57	-1.19	-1.35	1.08
350°	0.00	0.00	36.28	102.14	0.00	0.00	24.40	350°	-0.08	-0.51	1.71	0.64	-1.14	-1.34	1.11
375°	1.53	0.00	37.14	106.82	0.00	0.00	24.87	375°	0.01	-0.57	1.85	0.70	-1.02	-1.32	1.15
400°	18.54	0.00	37.81	110.73	0.00	0.00	24.96	400°	0.09	-0.64	1.97	0.76	-0.81	-1.31	1.16

Chemical Residual			Comments		
Analysis	Result	Analysis Method			
Chemical	CORR11635				
Corrosion Residual	46.5 mg/L	Spectrophotometer			

Scaling predictions calculated using Scale Soft Pitzer 2019

Scaling predictions dependent on provided field data. Incomplete/partial field data may impact results generated by scaling software.

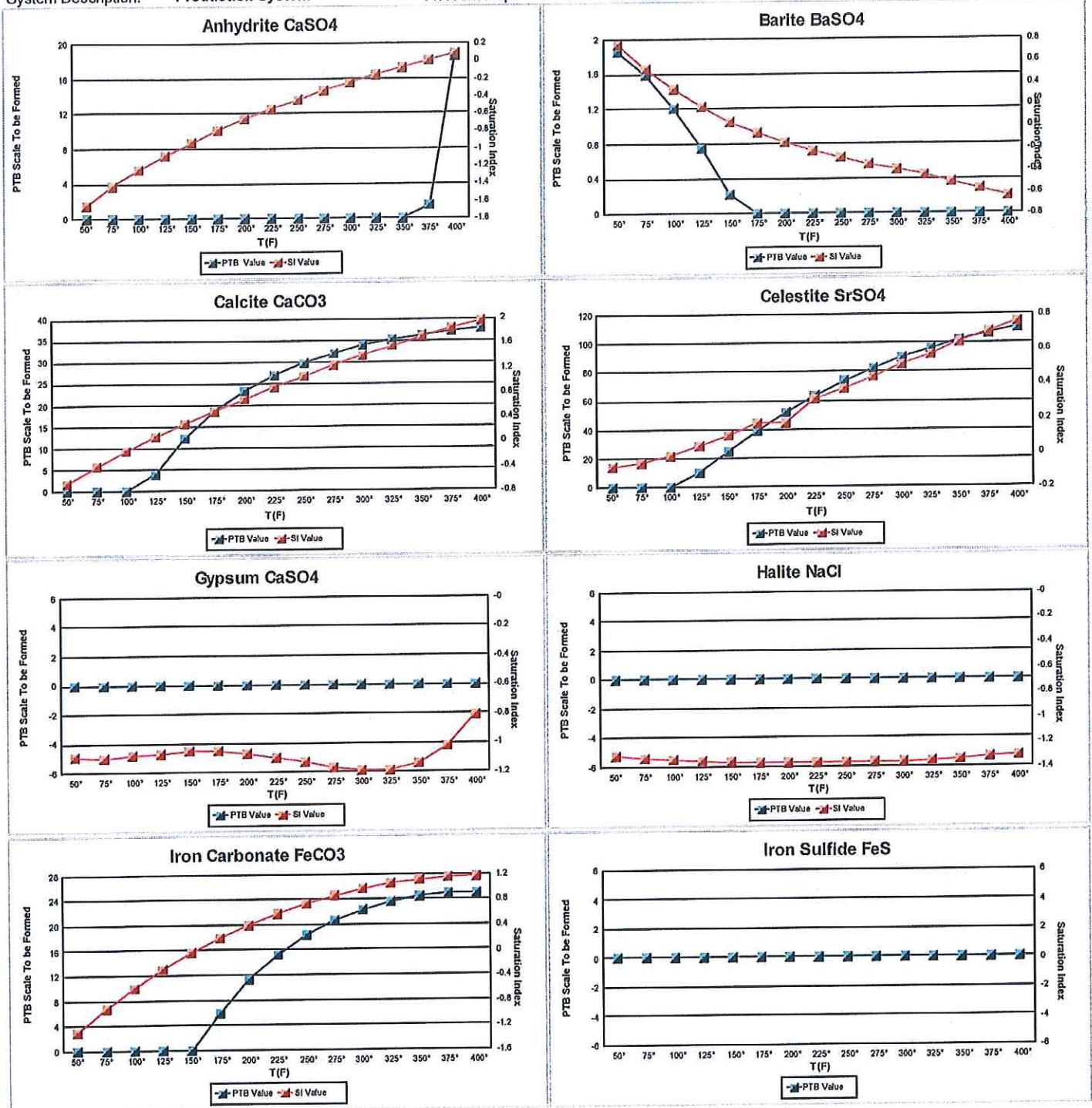
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03/14/2023

Complete Water Analysis/Chemical Residual

Customer: **COTERRA ENERGY**
 Geographic Region: **Coterra New Mexico**
 Geographic Location: **White City**
 System Description: **Production System**

Equipment Description: **RIVERBEND 12-13 FEDERAL COM 31H**
 Sample Point: **Separator**
 Sample ID: **AV05056**
 Account Rep: **william.kington@championx.com**

Collection Date: **02/07/2023**
 Receive Date: **02/08/2023**
 Report Date: **02/16/2023**
 Location Code: **433676**



Scaling predictions calculated using Scale Soft Pilzer 2019

Scaling predictions dependent on provided field data. Incomplete/partial field data may impact results generated by scaling software.

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03/14/2023

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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 208649

CONDITIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 208649
	Action Type: [C-103] NOI General Sundry (C-103X)

CONDITIONS

Created By	Condition	Condition Date
dmcclosure	ACCEPTED FOR RECORD	11/8/2023