

RECEIVED: <u>4/22/2019</u>	REVIEWER: <u>[Signature]</u>	TYPE: <u>SUR</u>	APP NO: <u>PMAM1902260148</u>
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Geological & Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505

**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Applicant: XTO Permian Operating LLC State 373015
Well Name: BOPCO, LP SRU State 200737
Pool: James Ranch Unit 36 Rambler SWD #1 API: To be assigned 30-05-45691
Devonian; SWD (96104) SWD; Devonian Silurian Pool Code: 97869

SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED BELOW

1) TYPE OF APPLICATION: Check those which apply for [A]

A. Location - Spacing Unit - Simultaneous Dedication

☐ NSL ☐ NSP (PROJECT AREA) ☐ NSP (PRORATION UNIT) ☐ SD

B. Check one only for [I] or [II]

[I] Commingling - Storage - Measurement

☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[II] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX ☐ PMX ☒ SWD ☐ IPI ☐ EOR ☐ PPR
2) NOTIFICATION REQUIRED TO: Check those which apply.

- A. ☒ Offset operators or lease holders
 B. ☐ Royalty, overriding royalty owners, revenue owners
 C. ☒ Application requires published notice
 D. ☒ Notification and/or concurrent approval by SLO
 E. ☒ Notification and/or concurrent approval by BLM
 F. ☒ Surface owner
 G. ☒ For all of the above, proof of notification or publication is attached, and/or, DI map
 H. ☐ No notice required

FOR OCD ONLY

<input checked="" type="checkbox"/>	Notice Complete
<input checked="" type="checkbox"/>	Application Content Complete

Followup on R-III-P/BLM
DI map

- 3) CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Tracie J. Cherry, Regulatory Coordinator

Print or Type Name

Date

432-571-8220

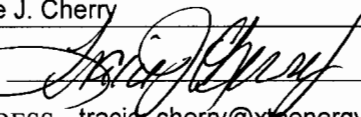
Phone Number

tracie_cherry@xtoenergy.com

e-mail Address

Signature

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance XX _____ Disposal _____ Storage
Application qualifies for administrative approval? XX Yes _____ No
- II. OPERATOR: BOPCO, LP
ADDRESS: 6401 Holiday Hill Rd. Bldg 5, Midland, TX 79707
CONTACT PARTY: Tracie J. Cherry, Regulatory Coordinator PHONE: 432-221-7379
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? _____ Yes XX _____ No
If yes, give the Division order number authorizing the project: _____
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- NAME: Tracie J. Cherry TITLE: Regulatory Coordinator
SIGNATURE:  DATE: 04/18/19
E-MAIL ADDRESS: tracie_cherry@xtbenergy.com
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

III. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

- B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

III. Well Data

A. 1) Lease name: **JRU 36 Rambler SWD**
 Well #: **1** API # **TBA**
 Section: **36**
 Township: **22S**
 Range: **30E**
 Footage: **1752 FNL & 2595 FWL**

2) Casing Info:

Casing size	Set depth	Sacks cmt	Hole size	TOC	Method
18-5/8" , 87.5# J-55 BTC	450'	960 sx C	24	Surf	Circ
13-3/8" 68# HCL-80 BTC	3708'	2660 sx Poz/C	17-1/2"	Surf	Circ
		685 sx C			
9-5/8" 53.5# HCP-110 BTC	11580'	Stg 1:	12-1/4"	Surf	Circ
DV @ 3800'		2185 sx Poz/H			
		Stg 2:			
		1145 sx Poz/H			
7" 32# HCP-110 BTC	11,110'-15,610'	665 sx Poz/H	8-1/2"	11,100'	Circ

3) Tubing to be used (size, lining material, setting depth):

Tapered String

5-1/2" , 17#, P-110 IPC to 10,600"

4-1/2" , 13.65#, P110 IPC tubing @ 10,600'-15,560'

4) Name, model, and depth of packer to be used:

Baker Series F nickle plated permanent packer @ 15,560'

B. 1) Name of the injection formation and, if applicable, the field or pool name:

SWD; Devonian

2) The injection interval and whether it is perforated or open hole:

Open hole, 15,610'-16,730' (or to the base of the Fusselman as determined by mud logs)

3) State if the well was drilled for injection or, if not, the original purpose of the well:

This well is being drilled for the purpose of injection

4) Give the depths of any other perforated intervals and detail on the sacks of cement or BPs used to seal off such perforations:

N/A

5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any:

**Higher: Bell Canyon (+/-3,869), Cherry Canyon (+/-4768) Brushy Canyon (+/-6,448),
 Avalon/Bone Spring (+/-7,774), Wolfcamp (+/-10,977), Atoka (+/-12,849), Morrow (+/-13,486)**

Lower: None

C-108 DATA

- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well.

Map attached.

- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each wells type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

There are no wells penetrating the proposed injection zone within the one mile area of rev

- VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected:

20,000 average, 40,000 maximum BWPD

2. Whether the system is open or closed: **closed**

3. Proposed average and maximum injection pressure: **2,000 psi average, 3,122 psi maximum**

4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water: **Well will be part of a multi-well SWD system taking Permian waters. The majority of the produced water will come from Delaware, Bone Spring and Wolfcamp formations with minor amounts from Atoka and Morrow.**

An analysis of water to be disposed is attached

5. If injection is for disposal purposes into a zone not productive of oil & gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water:

No disposal wells within 1 mile of proposed well

- VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with TDS of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval:

Lithologic Detail:	Carbonate (Dol.&Ls.)
Geological Name:	Siluro/Devonian & Fusselman
Thickness:	Est. 1,144'
Depth:	Est 15,594'/16,738'

The Capitan Reef a known drinking water aquifer is not present in this area based on published maps

The Dewey Lake Red Beds consists of alluvial siltstones, shales and sandstones which are present at the surface to the top of the Rustler Anhydrite. The top of the Rustler Anhydrite is estimated to be at 298 feet below the surface in this proposed JRU 36 Rambler State SWD 1 well. These Dewey Lake Red Beds may contain fresh water throughout this geographic area, but it is not likely of drinking water quality (TDS of 10,000 mg/L or less).

The Devonian is not expected to be productive in this area

- IX. Describe the proposed stimulation program, if any:

Acid stimulate with approximately 5000 gallons of 15% NEFE HCL acid.

- X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted.)

Logs will be submitted with completion papers when well is drilled.

- XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

According to the New Mexico Office of State Engineer database, 1 active water well used for livestock is located in SESE Sec 35 22S-30E

- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrology connection between the disposal zone and any underground sources of drinking water.

(See attached affidavit)

January 16, 2019

New Mexico, Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

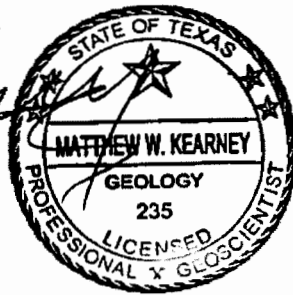
Re: Geology Statement per Question XII on the Application for Authorization to Inject Form C-108 for

XTO Energy Inc., an ExxonMobil subsidiary
James Ranch Unit 36 Rambler State SWD #1,
Section 36, Township 22 South, Range 30 East,
Eddy County, New Mexico

To whom it may concern:

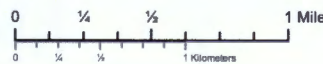
XTO Energy, Inc., an ExxonMobil subsidiary, has examined available geological data at the above-mentioned well located at 1,752 feet north and 2,595 feet west of Section 36, Township 22 South, Range 30 East, Eddy County, New Mexico; and finds no evidence of open faults or other hydrologic connection between the disposal zone and the underground sources of drinking water.

























Respectively Submitted,



Matthew W. Kearney, P.G.

Division Geologist
XTO Energy Inc., an ExxonMobil subsidiary
22777 Springwoods Village Parkway
Spring, Texas 77389

[illegible]

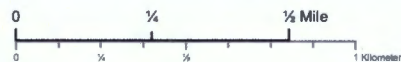
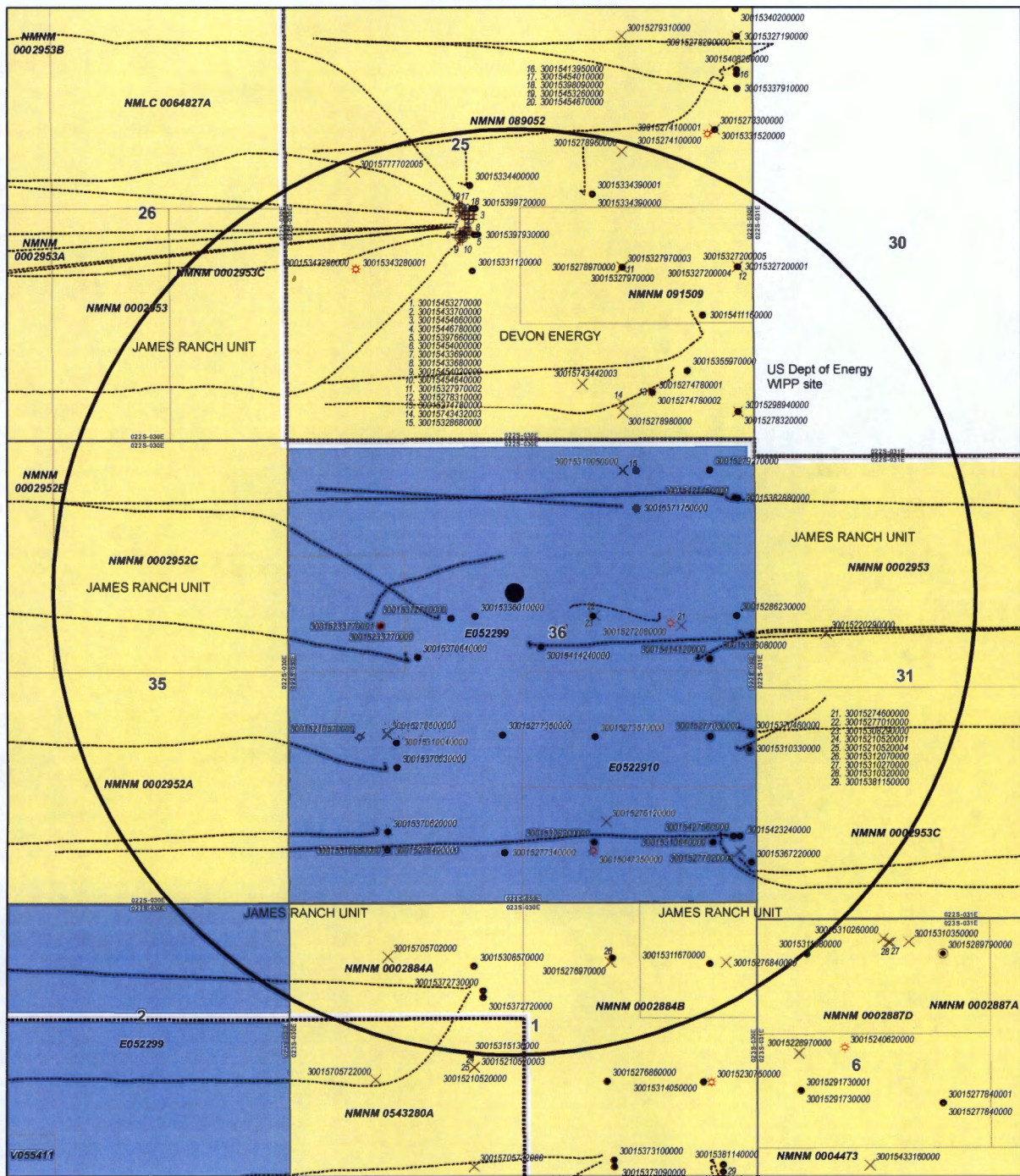
- | | | | | | |
|---|-------------------------------|---|----------------------------|---|---------------------|
|  | wellbore |  | Well Status Name |  | NON-PRODUCING OTHER |
|  | State Lease |  | GAS |  | CO2 |
|  | Federal Lease |  | INJECTION |  | DRY |
|  | two mile buffer |  | MULTI OIL AND GAS PRODUCER |  | STORAGE |
|  | BLM Active Unit - James Ranch |  | OIL |  | CBM |
| | |  | OIL AND GAS PRODUCER |  | OTHER PRODUCING |
| | |  | MULTIPLE GAS PRODUCER |  | WATER SUPPLY WELL |
| | |  | MULTIPLE OIL PRODUCER |  | WELL PERMIT |
| | |  | ABANDONED |  | WELL START |
| | |  | DRILLING | | |

known well operator in buffer
BASS ENTRPRS PROD CO
BELCO PET NRTH AMER
BOPCO LP
CONOCO INCORPORATED
DEVON ENERGY PROD
DEVON ENRG OPR CO LP
EOG RESOURCES INC
MITCHELL ENERGY CORP
OCCIDENTAL PERMAN

James Ranch Unit 36 Rambler #1

Eddy County, New Mexico

1 MILE AOR



----- wellbore	Well Status Name	☑ NON-PRODUCING OTHER
State Lease	★ GAS	○ CO2
Federal Lease	↗ INJECTION	☒ DRY
one mile buffer	⊙ MULTI OIL AND GAS PRODUCER	☒ STORAGE
BLM Active Unit - James Ranch	● OIL	☒ CBM
	★ OIL AND GAS PRODUCER	△ OTHER PRODUCING
	☒ MULTIPLE GAS PRODUCER	⊙ WATER SUPPLY WELL
	⊙ MULTIPLE OIL PRODUCER	⊙ WELL PERMIT
	✕ ABANDONED	⊙ WELL START
	⚡ DRILLING	

known well operator in buffer
BASS ENTRPRS PROD CO
BELCO PET NRTH AMER
BOPCO LP
DEVON ENERGY PROD
MITCHELL ENERGY CORP

Customer: **XTO ENERGY INC**
 Region: **Carlsbad, NM**
 Location: **James Ranch Unit 29 Federal Lease**
 System: **Production System**

Equipment: **SWD**
 Sample Point: **Inlet**
 Sample ID: **AL07042**
 Acct Rep Email: **Anthony.Baeza@ecolab.com**

Collection Date: **06/12/2018**
 Receive Date: **06/21/2018**
 Report Date: **06/25/2018**
 Location Code: **373826**

Field Analysis

Bicarbonate	12 mg/L	Dissolved CO2	350 mg/L	Dissolved H2S	9 mg/L
Pressure Surface	20 psi	Temperature	98 ° F	pH of Water	6.1
Oil per Day	0 B/D	Gas per Day	0 Mcf/D	Water per Day	6500 B/D

Sample Analysis

Calculated Gaseous CO2	0.12 %	Calculated pH	6.10	Conductivity (Calculated)	437728 µS - cm3
Ionic Strength	5.82	Resistivity	0.023 ohms - m	Specific Gravity	1.200
Total Dissolved Solids	280169.9 mg/L				

Cations

Iron	15.7 mg/L	Manganese	8.03 mg/L	Barium	3.97 mg/L
Strontium	1480 mg/L	Calcium	27900 mg/L	Magnesium	4440 mg/L
Sodium	71900.00 mg/L	Potassium	1800 mg/L	Boron	28.7 mg/L
Lithium	10.8 mg/L	Copper	0.01 mg/L	Nickel	0.055 mg/L
Zinc	0.138 mg/L	Lead	0.033 mg/L	Cobalt	0.053 mg/L
Chromium	0.003 mg/L	Silicon	3.02 mg/L	Aluminum	Not Detected mg/L
Molybdenum	0.023 mg/L	Phosphorus	Not Detected mg/L		

Anions

Bromide	1832.85 mg/L	Chloride	174225 mg/L	Sulfate	184.663 mg/L
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PTB Value

	Barite PTB	Calcite PTB	Celestite PTB	Gypsum PTB	Halite PTB	Iron Carbonate PTB	Iron Sulfide PTB
50°	2.13	0.13	89.54	31.55	0.00	0.00	2.08
75°	1.79	0.00	70.73	0.00	0.00	0.00	1.75
100°	1.19	0.00	54.88	0.00	0.00	0.00	1.42
125°	0.28	0.00	43.34	0.00	0.00	0.00	1.11
150°	0.00	0.00	35.91	0.00	0.00	0.00	0.86
175°	0.00	0.00	31.61	0.00	0.00	0.00	0.66
200°	0.00	0.00	29.33	0.00	0.00	0.00	0.53
225°	0.00	0.00	28.19	0.00	0.00	0.00	0.45
250°	0.00	0.00	27.59	0.00	0.00	0.00	0.41
275°	0.00	0.00	27.18	0.00	0.00	0.00	0.41
300°	0.00	0.00	26.83	0.00	0.00	0.00	0.43
325°	0.00	0.00	26.54	0.00	0.00	0.00	0.46
350°	0.00	0.00	26.37	0.00	0.00	0.00	0.48
375°	0.00	0.00	26.26	0.00	0.00	0.00	0.47
400°	0.00	0.00	25.92	0.00	0.00	0.00	1.14

Saturation Index

	Barite SI	Calcite SI	Celestite SI	Gypsum SI	Halite SI	Iron Carbonate SI	Iron Sulfide SI
50°	1.01	0.05	0.60	0.14	-0.26	-1.89	1.55
75°	0.62	-0.14	0.40	-0.03	-0.29	-1.96	1.16
100°	0.31	-0.30	0.28	-0.13	-0.31	-2.03	0.85
125°	0.05	-0.44	0.20	-0.19	-0.33	-2.09	0.62
150°	-0.15	-0.55	0.16	-0.24	-0.35	-2.14	0.45
175°	-0.33	-0.64	0.14	-0.29	-0.37	-2.18	0.34
200°	-0.48	-0.70	0.14	-0.35	-0.39	-2.22	0.26
225°	-0.61	-0.75	0.12	-0.41	-0.41	-2.26	0.22
250°	-0.72	-0.78	0.12	-0.48	-0.43	-2.30	0.20
275°	-0.83	-0.80	0.12	-0.55	-0.45	-2.35	0.20
300°	-0.93	-0.81	0.12	-0.60	-0.47	-2.40	0.20
325°	-1.04	-0.82	0.12	-0.63	-0.49	-2.47	0.21
350°	-1.14	-0.83	0.11	-0.60	-0.51	-2.56	0.22
375°	-1.25	-0.86	0.11	-0.51	-0.52	-2.67	0.21
400°	-1.37	0.00	0.11	-0.33	-0.53	0.00	0.48

Scaling predictions calculated using Scale Soft Pitzer 2017

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

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06/27/2018

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NALCO Champion

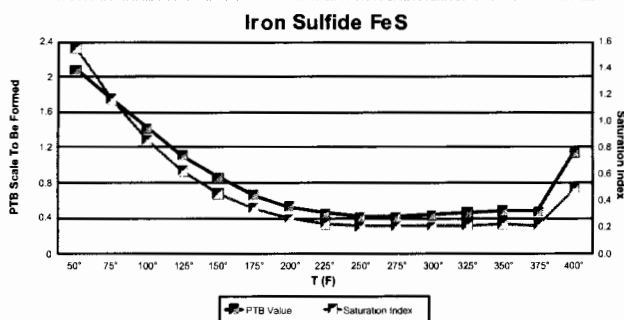
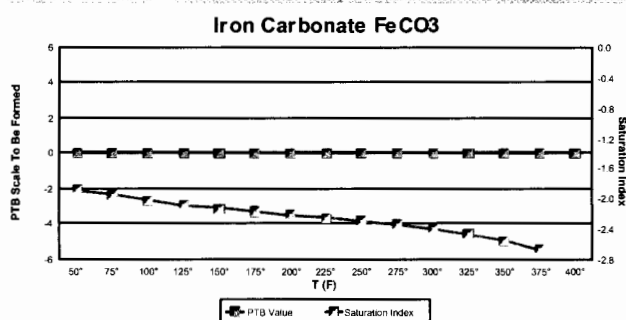
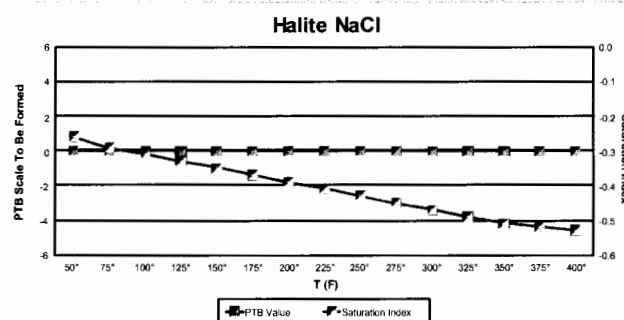
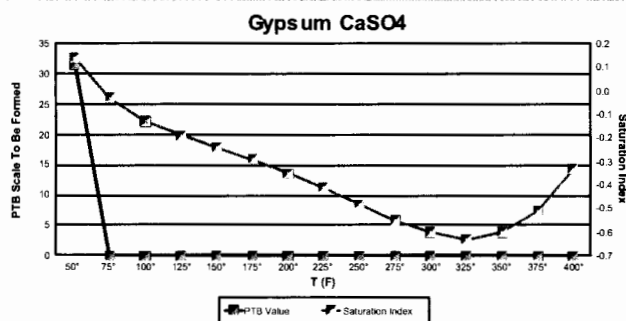
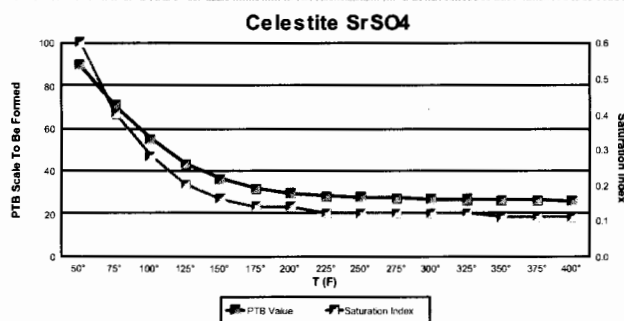
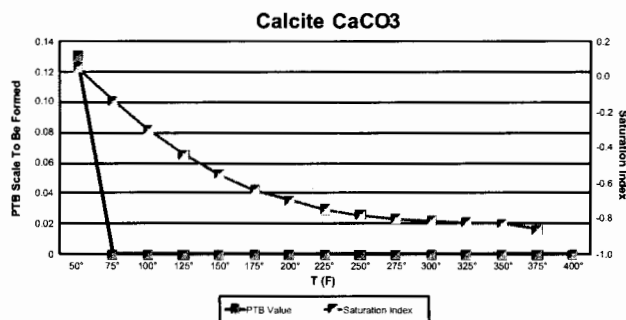
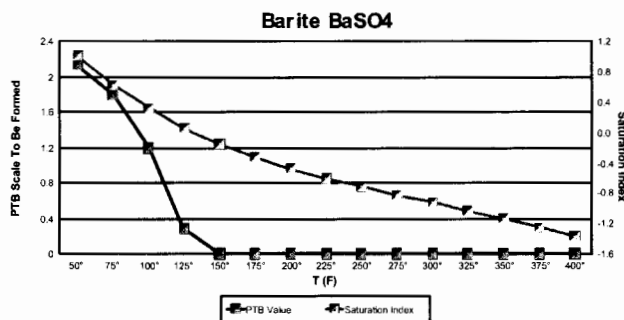
An Ecolab Company

Complete Water Analysis Report

Customer: XTO ENERGY INC
Region: Carlsbad, NM
Location: James Ranch Unit 29 Federal Lease
System: Production System

Equipment: SWD
Sample Point: Inlet
Sample ID: AL07042
Acct Rep Email: Anthony.Baeza@ecolab.com

Collection Date: 06/12/2018
Receive Date: 06/21/2018
Report Date: 06/25/2018
Location Code: 373826



Comments

Scaling predictions calculated using Scale Soft Pitzer 2017

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

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06/27/2018

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New Mexico Office of the State Engineer
Active & Inactive Points of Diversion
(with Ownership Information)

No PODs found.

PLSS Search:

Q4: NW Section(s): 6 Township: 23S Range: 31E

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

1/8/19 4:25 PM

ACTIVE & INACTIVE POINTS OF DIVERSION



New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

(acre ft per annum)						(R=POD has been replaced and no longer serves this file, C=the file is closed)			(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters)										
WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Well Tag	Code	Grant	Source	Q	Q	Q	Q	Sec	Twn	Range	X	Y
C 03132	CUB	MON	0	US DEPT OF ENERGY	ED	C 03132					4	2	4	01	23S	30E		610424	3577764*
C 03552	CUB	EXP	0	BOPCO, LP	ED	C 03552 POD1					4	3	2	01	23S	30E		609928	3578260
					ED	C 03552 POD2					4	3	2	01	23S	30E		609928	3578260
					ED	C 03552 POD3					4	3	2	01	23S	30E		609928	3578260
					ED	C 03552 POD4					4	3	2	01	23S	30E		609928	3578260
					ED	C 03552 POD5				Shallow	4	3	2	01	23S	30E		609912	3578236

Record Count: 6

PLSS Search:

Section(s): 1, 2 Township: 23S Range: 30E

Sorted by: File Number

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

1/8/19 4:13 PM

ACTIVE & INACTIVE POINTS OF DIVERSION

All monitoring wells



New Mexico Office of the State Engineer
Active & Inactive Points of Diversion
 (with Ownership Information)

(acre ft per annum)					(R=POD has been replaced and no longer serves this file, C=the file is closed)			(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters)										
WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Well Tag	Code	Grant	Source	q	q	q	Sec	Tws	Rng	X	Y
<u>C 02960</u>	CUB	EXP	0	US DEPT. OF ENERGY CARLSBAD FIELD OFFICE, WIPP	ED	<u>C 02960 EXPL</u>					6416	4	3	31	22S	31E	610620	3578915*
<u>C 03221</u>	CUB	MON	0	U.S. DEPART OF ENERGY	ED	<u>C 03221 EXPLOR</u>				Artesian	1	2	1	30	22S	31E	610995	3581935*

Record Count: 2

PLSS Search:

Section(s): 30, 31, 05 Township: 22S Range: 31E

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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1/8/19 3:44 PM

ACTIVE & INACTIVE POINTS OF DIVERSION

All monitoring wells



New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

(acre ft per annum)						(R=POD has been replaced and no longer serves this file, C=the file is closed)		(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters)										
WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Well Tag	Code	Grant	Source	64	16	4	Sec	Tws	Range	X	Y
C 02638	CUB		0	U.S. DEPT. OF INTERIOR - BLM	ED	C 02638					4	3	3	35	22S	30E	607558	3578948*
C 02734	C	STK	3	THE JIMMY MILLS GST TRUST	ED	C 02734					1	4	4	35	22S	30E	608580	3579158*
C 03561	CUB	EXP	0	BOPCO, LP	ED	C 03561 POD1					3	2	3	36	22S	30E	609288	3579393
					ED	C 03561 POD2					3	2	3	36	22S	30E	609314	3579424
					ED	C 03561 POD3					3	2	3	36	22S	30E	609392	3579425
					ED	C 03561 POD4					3	2	3	36	22S	30E	609418	3579425
					ED	C 03561 POD5					3	2	3	36	22S	30E	609418	3579425

Record Count: 7

PLSS Search:

Section(s): 25, 26, 35, 36 Township: 22S Range: 30E

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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1/8/19 3:48 PM

ACTIVE & INACTIVE POINTS OF DIVERSION

*livestock



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	DepthWell	DepthWater	Water Column
<u>C 02638</u>		CUB	ED	4	3	3	35	22S	30E	607558	3578948*	528		
<u>C 03561 POD1</u>		CUB	ED	3	2	3	36	22S	30E	609288	3579393	30	0	30
<u>C 03561 POD2</u>		CUB	ED	3	2	3	36	22S	30E	609314	3579424	25	0	25
<u>C 03561 POD3</u>		CUB	ED	3	2	3	36	22S	30E	609393	3579425	25	0	25
<u>C 03561 POD4</u>		CUB	ED	3	2	3	36	22S	30E	609419	3579425	25	0	25
<u>C 03561 POD5</u>		CUB	ED	3	2	3	36	22S	30E	609419	3579425	20	0	20

Average Depth to Water: 0 feet

Minimum Depth: 0 feet

Maximum Depth: 0 feet

Record Count: 6

PLSS Search:

Section(s): 25, 26, 35, 36 Township: 22S Range: 30E

*UTM location was derived from PLSS - see Help

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1/8/19 3:20 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

CERTIFIED MAILING LIST
BOPCO, LP
James Ranch Unit 36 Rambler SWD #1

Certified #7018 2290 0001 1289 2619

Bureau of Land Management
620 E. Greene Street
Carlsbad, NM 88220-6292

Certified #7018 2290 0001 1289 2626

Jimmy Mills GST Trust
Stacy Mills
PO Box 1358
Loving, NM 88256

Certified #7018 2290 0001 1289 2633

The New Mexico State Land Office
310 Old Santa Fe Trail
Santa Fe, NM 87501

Certified #7018 2290 0001 1289 2640

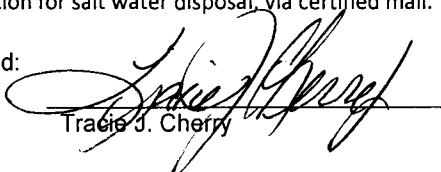
Devon Energy Corporation
Attn: Ryan Cloer, Landman
333 W. Sheridan Ave
Oklahoma City, OK 73102

Certified #7018 2290 0001 1289 2664 ✓

Mr. Melvin Balderrama
US Dept of Energy, WIPP
4021 National Parks Highway
Carlsbad, NM 88220

I, Tracie J Cherry, do hereby certify the surface owner for the well(s) shown were furnished a copy of BOPCO, LP's application for salt water disposal, via certified mail.

Signed:


Tracie J. Cherry

Title: Regulatory Coordinator

Date:

01/18/19

CARLSBAD
CURRENT-ARGUS

AFFIDAVIT OF PUBLICATION

**Ad No.
0001274881**

Tracie J Cherry
XTO ENERGY
6401 HOLIDAY HILL RD. BLDG 5

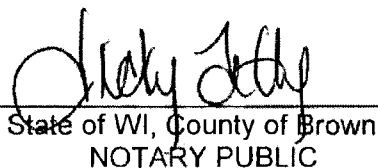
MIDLAND TX 79707

I, a legal clerk of the **Carlsbad Current-Argus**,
a newspaper published daily at the City of
Carlsbad, in said county of Eddy, state of New
Mexico and of general paid circulation in said
county; that the same is a duly qualified
newspaper under the laws of the State wherein
legal notices and advertisements may be
published; that the printed notice attached
hereto was published in the regular and entire
edition of said newspaper and not in supplement
thereof on the date as follows, to wit:

01/22/19


Legal Clerk

Subscribed and sworn before me this
22nd of January 2019.


State of WI, County of Brown
NOTARY PUBLIC

9-19-21
My Commission Expires

**NOTICE OF APPLICATION FOR WATER
DISPOSAL WELL PERMIT**

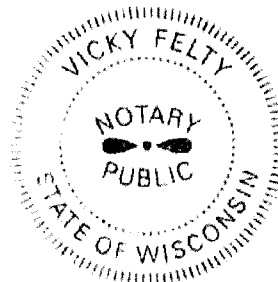
BOPCO, L.P. has applied to the New Mexico Oil
Conservation Division for a permit to dispose of
produced water into a porous formation not
productive of oil or gas.

The applicant proposes to dispose of produced
water into the James Ranch Unit 36 Rambler
SWD #1 (Siluro-Devonian and Fusselman For-
mations). The maximum injection pressure will
be 3,122 psi and the maximum rate will be
40,000 bbls. produced water per day. The pro-
posed disposal well is located approximately
20 miles NE of Malaga, New Mexico in Section
36, T22S, R30E, 1752' FNL & 2595' FWL, Eddy
County, New Mexico. The produced water will
be disposed at a subsurface depth of 15,610' -
16,730'.

Any questions concerning this application
should be directed to Tracie J Cherry, Regula-
tory Coordinator, BOPCO, L.P, 6401 Holiday Hill
Rd, Bldg 5, Midland, Texas 79707, (432) 221-
7379.

Interested parties must file objections or re-
quests for hearing with the Oil Conservation Di-
vision, 1220 S. St. Francis Dr., Santa Fe, New
Mexico 87505 within 15 days.

Pub: January 22, 2019



RECEIVED

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, Artesia, 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 II-ARTESIA O.C.D. District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-45691	² Pool Code 96101	³ Pool Name SWD; Devonian
⁴ Property Code 324957	⁵ Property Name JRU 36 RAMBLER STATE SWD	⁶ Well Number 1
⁷ OGRID No. 260737	⁸ Operator Name BOPCO, LP	⁹ Elevation 3,322'

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
F	36	22 S	30 E		1,752	NORTH	2,595	WEST	EDDY

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

¹² Dedicated Acres 0	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
------------------------------------	-------------------------------	----------------------------------	-------------------------

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.

¹⁶		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. Stephanie Rabadue 01/03/2019 Signature Date Stephanie Rabadue Printed Name stephanie_rabadue@xtoenergy.com E-mail Address
GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y= 491,732.5 X= 854,189.9 LAT.= 32.350900°N LONG.= 103.834030°W CORNER COORDINATES TABLE NAD 27 NME A - Y= 490,836.8 N, X= 651,597.7 E B - Y= 493,476.6 N, X= 651,590.9 E C - Y= 493,484.9 N, X= 654,262.9 E D - Y= 490,844.4 N, X= 654,271.6 E		GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION Y= 491,792.5 X= 695,372.1 LAT.= 32.351022°N LONG.= 103.834521°W CORNER COORDINATES TABLE NAD 83 NME A - Y= 490,896.8 N, X= 692,779.9 E B - Y= 493,536.7 N, X= 692,773.0 E C - Y= 493,545.0 N, X= 695,445.0 E D - Y= 490,904.4 N, X= 695,453.8 E
		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. 1-3-2019 Date of Survey Signature and Seal of Professional Surveyor: MARK DILLON HARP 23786 Certificate Number 2018112619

R/P 2-7-19

Goetze, Phillip, EMNRD

From: Ganaway, David - RES <david.ganaway@wipp.ws>
Sent: Thursday, January 24, 2019 8:50 AM
To: Goetze, Phillip, EMNRD
Cc: Salness, Rick - RES; Ward, Anderson (Andy) - FedNet; McMillan, Michael, EMNRD
Subject: [EXT] RE: Confirmation of Process - UIC Class II Disposal Well Application

Phillip,

The title for the well schematic on page 17 of the pdf indicates JRU 16 Rambler State SWD #1. Previous references to the proposed well indicated JRU 36 Rambler SWD#1. Is that a typo on that page or is that schematic for a different well?

Thanks

David

From: Goetze, Phillip, EMNRD <Phillip.Goetze@state.nm.us>
Sent: Thursday, January 24, 2019 8:15 AM
To: Salness, Rick - RES <richard.salness@wipp.ws>
Cc: Ganaway, David - RES <david.ganaway@wipp.ws>; Ward, Anderson (Andy) - FedNet <anderson.ward@cbfo.doe.gov>; McMillan, Michael, EMNRD <Michael.McMillan@state.nm.us>
Subject: RE: Confirmation of Process - UIC Class II Disposal Well Application

Rick:

Per your request, I have attached a copy of the application plus a presentation I gave to the Produced Water Conference that was held at the end of last year. It can provide a summary of the current trend in disposal activity in the area. And as always, any comments or concerns are greatly appreciated. PRG

Phillip Goetze, PG
Engineering Bureau, Oil Conservation Division, NM EMNRD
1220 South St. Francis Drive, Santa Fe, NM 87505
Direct: 505.476.3466
E-mail: phillip.goetze@state.nm.us

From: Salness, Rick - RES <richard.salness@wipp.ws>
Sent: Thursday, January 24, 2019 7:17 AM
To: Goetze, Phillip, EMNRD <Phillip.Goetze@state.nm.us>
Cc: Ganaway, David - RES <david.ganaway@wipp.ws>; Ward, Anderson (Andy) - FedNet <anderson.ward@cbfo.doe.gov>; McMillan, Michael, EMNRD <Michael.McMillan@state.nm.us>
Subject: [EXT] RE: Confirmation of Process - UIC Class II Disposal Well Application

Phillip – we have not found the letter. Can you send a scanned copy to all on this email?

From: Goetze, Phillip, EMNRD <Phillip.Goetze@state.nm.us>
Sent: Wednesday, January 23, 2019 12:28 PM
To: Salness, Rick - RES <richard.salness@wipp.ws>
Cc: Ganaway, David - RES <david.ganaway@wipp.ws>; Ward, Anderson (Andy) - FedNet

<anderson.ward@cbfo.doe.gov>; Adkins, Joshua - CBFO <joshua.adkins@cbfo.doe.gov>; McMillan, Michael, EMNRD <Michael.McMillan@state.nm.us>

Subject: RE: Confirmation of Process - UIC Class II Disposal Well Application

Rick:

Thank for the quick response in this matter. And I do understand the DOE contracting maze is complicated having participated in it myself, but I was making sure that all parties had been contacted in this matter. This is especially true with the recent departure from small-volume disposal wells in the upper Permian (Delaware Mountain Group with <20,000 BWPD) to large-volume Devonian disposal wells (Devonian-Silurian interval with 25,000 to 70,000 BWPD). The oil and gas activity has centered on the Wolfcamp development in the Loving-Malaga area, but the expansion of disposal activities has started to migrate towards the east.

With this new disposal interval, the Division has started to require assessments for the potential of induced-seismic events based on the possible migration of pressure to the deeper pre-Cambrian surface. Additionally, the Division has tried to "space" the wells using a ¾-mile buffer around them – an effort to further reduce possible cumulative impacts of multiple pressure sources.

I would recommend that either Josh or Anderson take a few minutes to look at the application, then give me a call at their convenience. Again, this is an effort to not only make the WIPP managing parties aware of the specific application, but also the overall change in the disposal activities in the New Mexico portion of the Permian Basin. PRG

Phillip Goetze, PG
Engineering Bureau, Oil Conservation Division, NM EMNRD
1220 South St. Francis Drive, Santa Fe, NM 87505
Direct: 505.476.3466
E-mail: phillip.goetze@state.nm.us

From: Salness, Rick - RES <richard.salness@wipp.ws>
Sent: Wednesday, January 23, 2019 10:15 AM
To: Goetze, Phillip, EMNRD <Phillip.Goetze@state.nm.us>
Cc: Ganaway, David - RES <david.ganaway@wipp.ws>; Ward, Anderson (Andy) - FedNet <anderson.ward@cbfo.doe.gov>; Adkins, Joshua - CBFO <joshua.adkins@cbfo.doe.gov>
Subject: [EXT] RE: Confirmation of Process - UIC Class II Disposal Well Application

I am not exactly. I am a consultant to the DOE here at WIPP, and manage the Environmental Monitoring and Hydrology department. The WIPP Land Use Coordinator of my department, David Ganaway, has been in contact with Tracie Cherry of BOPCO regarding this. Dr. Anderson Ward and Joshua Adkins are our DOE counterparts and are copied on this email. They would be the ones to make initial contact with and we can go from there. I will see if Anderson and/or Joshua can call you today, if that is what you prefer.

Rick Salness, P.G.
Manager of Environment Monitoring and Hydrology
Waste Isolation Pilot Plant

From: Goetze, Phillip, EMNRD <Phillip.Goetze@state.nm.us>
Sent: Wednesday, January 23, 2019 10:02 AM
To: Salness, Rick - RES <richard.salness@wipp.ws>
Cc: McMillan, Michael, EMNRD <Michael.McMillan@state.nm.us>
Subject: Confirmation of Process - UIC Class II Disposal Well Application

Rick:

I am hoping this reaches you. The Division is dealing with expanded oil and gas activity in the Permian Basin including the issuance of new disposal wells. Would you be the representative on behalf of WIPP/DOE for the review of a pending application in the proximity (one mile) of the facility? Thanks. PRG

Phillip Goetze, PG

Engineering Bureau, Oil Conservation Division

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive, Santa Fe, NM 87505

Direct: 505.476.3466

E-mail: phillip.goetze@state.nm.us



Goetze, Phillip, EMNRD

From: Rutley, James <jrutley@blm.gov>
Sent: Thursday, August 29, 2019 6:37 AM
To: Goetze, Phillip, EMNRD
Cc: Cherry, Tracie; Sandoval, Adrienne, EMNRD
Subject: [EXT] Re: [EXTERNAL] R-111-P Verification for JRU 36 Rambler State SWD No. 1

Good Morning Phillip,

It's getting pretty busy down here. I just returned from vacation and I'm thinking I might need another one.

Most of the drilling islands on the drill island map I sent you earlier this week are not to scale. It's quite an endeavor just to get the status of the drill island updated because the database is so sensitive. While this SWD appears to be off the drill island, it is on the drilling island. During the onsite on April 16th, 2018, we found two large pipelines that were adjacent along the south and west sides of the proposed drill island at the time. We had to move the drill island about a 100 feet to the north and east to avoid the pipelines. We have yet to update this shift in our drill island map. We did change the status of the drilling island from nominated to approved with respect to surface conflicts. We also notified Mosaic that the drill island had to move about a 100 feet north. Because the drill island's location was jointly approved by both Mosaic and the proponent at the time, BOPCO, the approval concurrence by both industries automatically waives the LMR designation.

The surface location for this well is not a concern and is within the confines of the James Ranch Unit Drill Island 8 Deep portion of the the drilling island.

Thank you Phillip for giving me opportunity to assist.

Jim

James G. Rutley

Geologist (Potash Specialist)

Carlsbad Field Office

Bureau of Land Management

(575) 234-5904

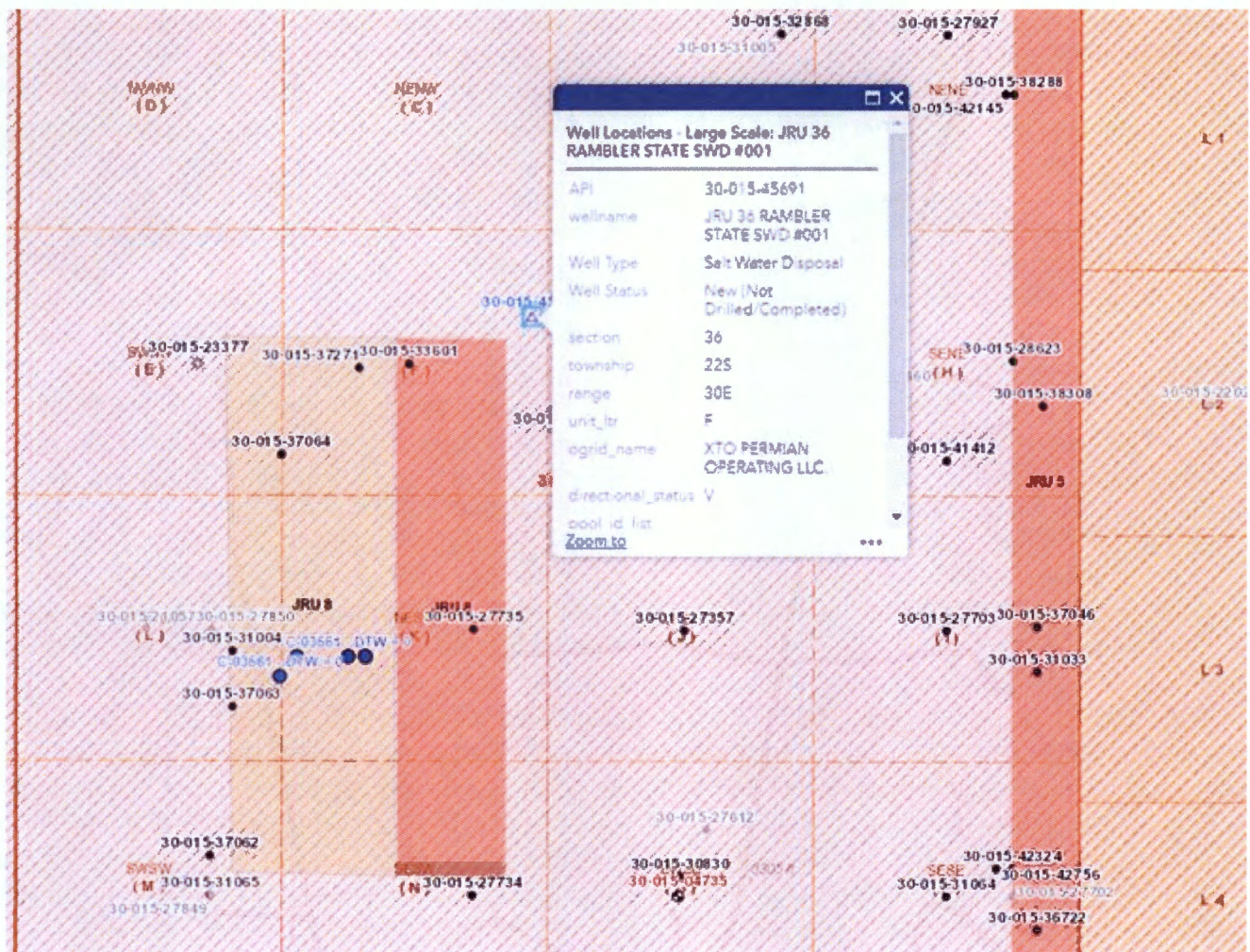
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On Wed, Aug 28, 2019 at 3:32 PM Goetze, Phillip, EMNRD <Phillip.Goetze@state.nm.us> wrote:

RE: JRU 36 Rambler State SWD No. 1; 30-015-45691

Jim:

Hope all is going well. I have received your latest drilling island map and will update our GIS for use internally until finalized. Need a favor on this James Ranch Unit disposal well application and request a verification that the surface location is not a problem. The Rambler is within the R-111-P, but is close to the WIPP withdrawal to represent a poor candidate for a part of a life-of-mine reserve. However, the NMSLO shows this quarter-quarter as leased to Mosaic Potash (Lease No. M02618000). As you can see, Division has issued an APD, but I no record of LMR determination.



XTO has provided the DOE with a copy of the application, so they are aware of the proposed well. Your input (for the record) when you have a moment. Thanks. PRG

Phillip Goetze, PG

Engineering Bureau, Oil Conservation Division

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive, Santa Fe, NM 87505

Direct: 505.476.3466

E-mail: phillip.goetze@state.nm.us





Stephanie Garcia Richard
COMMISSIONER

State of New Mexico
Commissioner of Public Lands

310 OLD SANTA FE TRAIL
P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

COMMISSIONER'S OFFICE

Phone (505) 827-5760

Fax (505) 827-5766

www.nmstatelands.org

August 28, 2019

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

RE: XTO Applications for PLU Platy SWD 1 & JRU Rambler SWD 1

The New Mexico State Land Office has been made aware of two applications pending before the Oil Conservation Division. XTO has filed applications for the following salt water disposal wells:

PLU Platy SWD 1

Poker Lake Unit 32 Platy State SWD #1
SWSW Sec 32 T23S-R30E, Unit Letter M

JRU Rambler SWD 1

James Ranch Unit 36 Rambler State SWD 1
API 30-015-45691
SENE Sec 36 T22S-R30E, Unit Letter F

The State Land office understands that neither application has any objections at this time. Both proposed wells are located on New Mexico State Trust Land, within established Units. The State Land Office is supportive of these applications by XTO and believes their approval would benefit the State Land Office. I am sending this letter to make the OCD aware of the State Land Office's support for these applications and request the OCD proceed with approval of the above XTO applications as expeditiously as possible. We appreciate your consideration of our request. Please feel free to contact me if you have any concerns or would like to further discuss.

Kind Regards,

A handwritten signature in black ink, appearing to read "Jordan Kessler", is written over the "Kind Regards," text.

Jordan Kessler,
Assistant Commissioner OGML

cc: James Hall <James_Hall@xtoenergy.com>

Goetze, Phillip, EMNRD

From: Sandoval, Adrienne, EMNRD
Sent: Wednesday, August 28, 2019 5:06 PM
To: Goetze, Phillip, EMNRD
Cc: Wade, Gabriel, EMNRD
Subject: FW: Letter of Support for XTO SWD Wells on SLO Land
Attachments: 20190828151120917.pdf

Phil- Please see the attached letter of support for several of XTOs SWDs from the SLO.

From: Kessler, Jordan <jkessler@slo.state.nm.us>
Sent: Wednesday, August 28, 2019 3:08 PM
To: Sandoval, Adrienne, EMNRD <Adrienne.Sandoval@state.nm.us>
Cc: Tyrrell, Timothy <Timothy_Tyrrell@xtoenergy.com>; Winn, Lisa <Lisa_Winn@xtoenergy.com>; Hall, James <James_Hall@xtoenergy.com>; Antillon, Andrea <aantillon@slo.state.nm.us>
Subject: [EXT] Letter of Support for XTO SWD Wells on SLO Land

Adrienne,

Please see the attached letter of support for two XTO SWDs that are sited on state trust land. I understand the wells are not protested and that the applications have been pending since early in the year. If you have any questions, let me know.

Best,
Jordan

Jordan Lee Kessler
*Assistant Commissioner
of Mineral Resources*
505.827.5746
New Mexico State Land Office
310 Old Santa Fe Trail
P.O. Box 1148
Santa Fe, NM 87504-1148



.....
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**FORM C-108 Technical Review Summary** [Prepared by reviewer and included with application; V17]DATE RECORD: First Rec: 1/22/2019 Admin Complete: 1/22/19 or Suspended: 2/1/2019 Add. Request/Reply: Protested *ORDER TYPE: WFX / PMX / SWD Number: 1889 Order Date: 08/29/19 Legacy Permits/Orders: —Well No. 1 Well Name(s): JRU36 Rambler State SWDAPI: 30-0 15-45691 Spud Date: TBD New or Old (EPA): New (UIC Class II Primacy 03/07/1982)Footages 1752 FNL / 2595 FWL Lot — or Unit F Sec 36 Tsp 22S Rge 30E County EddyGeneral Location: — Pool: SWD, Devonian-Silurian Pool No.: —BLM 100K Map: Sol Operator: XTO Permian Operating LLC OGRID: 373075 Contact: Tracie CherryCOMPLIANCE RULE 5.9: Total Wells: 778 Inactive: 6 Fincl Assur: OK Compl. Order? No IS 5.9 OK? Yes Date: 08/29/19WELL FILE REVIEWED ☒ Current Status: APD issued; last transaction is transfer to XTO PermianWELL DIAGRAMS: NEW: Proposed ☒ or RE-ENTER: Before Conv. ☐ After Conv. ☐ Logs in Imaging: —Planned Rehab Work to Well: * Protest withdrawn August 20th

Well Construction Details		Sizes (in) Borehole / Pipe	Setting Depths (ft)	Cement Sx or Cf	Cement Top and Determination Method
Planned <input checked="" type="checkbox"/> or Existing <u>—</u> Surface		24 / 18 5/8	0 to 450	460	Cr. to surface
Planned <input checked="" type="checkbox"/> or Existing <u>—</u> Interm/Prod		17 1/2 / 13 3/8	0 to 3708	—	Cr. to surface
Planned <input checked="" type="checkbox"/> or Existing <u>—</u> Interm/Prod		12 1/4 / 9 5/8	0 to 11580	D/T tool	TOC below surface CBL
Planned <input checked="" type="checkbox"/> or Existing <u>—</u> Prod/Liner		8 1/2 / 7	11100 to 15610	—	TOL - CBL
Planned <u>—</u> or Existing <u>—</u> Liner		—	—	—	—
Planned <input checked="" type="checkbox"/> or Existing <u>—</u> OHY PERF		6 / —	15610 to 16730	Inj Length	

Injection Lithostratigraphic Units:		Depths (ft)	Injection or Confining Units	Tops
Adjacent Unit: Litho. Struc. Por.			Mississippian Lm	15000
Confining Unit: Litho. Struc. Por.			Woodford Shale	15442
Proposed Inj Interval TOP:		15610	Devonian	15814
Proposed Inj Interval BOTTOM:		16730	Silurian	—
Confining Unit: Litho. Struc. Por.		± 10'	Ordovician/Montoya	16738
Adjacent Unit: Litho. Struc. Por.			—	—

Completion/Operation Details:	
Drilled TD <u>—</u>	PBTD <u>—</u>
NEW TD <u>16730</u>	NEW PBTD <u>—</u>
NEW Open Hole <input checked="" type="checkbox"/> or NEW Perfs <input type="checkbox"/>	
Tubing Size <u>7 1/8</u> in.	Inter Coated? <u>Yes</u>
Proposed Packer Depth <u>15560</u> ft	
Min. Packer Depth <u>15510</u> (100-ft limit)	
Proposed Max. Surface Press. <u>3122</u> psi	
Admin. Inj. Press. <u>3122</u> (0.2 psi per ft)	

AOR: Hydrologic and Geologic InformationPOTASH: R-1 1-P Yes Noticed? Yes BLM Sec Ord WPP Noticed? Yes Salt/Salado T: 710 B: — NW: Cliff House fm NAUSDW: Aquifer(s) Rustler / Dewey Lake Max Depth < 450 HYDRO AFFIRM STATEMENT By Qualified Person ☒NMOSE Basin: Carlsbad CAPITAN REEF: thru — adj — NA ☒ No. GW Wells in 1-Mile Radius? 1 FW Analysis? NoDisposal Fluid: Formation Source(s) BS/WC/DMG Analysis? Yes On Lease ☐ Operator Only ☒ or Commercial ☐Disposal Interval: Inject Rate (Avg/Max BWPD): 20,000/40,000 Protectable Waters? No Source: Area lit. System: Closed or OpenHC Potential: Producing Interval? No Formerly Producing? No Method: Logs/DST/P&A Other Historical 2-Mi Radius Pool Map Request / mudlogAOR Wells: 1/2-M — or ONE-M ☒ RADIUS MAP/WELL LIST: Total Penetrating Wells: 6 [AOR Hor: — AOR SWDs: —]Penetrating Wells: No. Active Wells 0 No. Corrective? — on which well(s)? — Diagrams? —Penetrating Wells: No. P&A Wells 0 No. Corrective? — on which well(s)? — Diagrams? —Induced-Seismicity Risk Assess: analysis submitted No historical/catalog review No fault-slip model No probability NANOTICE: 1/2-M — or ONE-M ☒ : Newspaper Date 1/22/19 Mineral Owner* State Surface Owner NMSLO N. Date 1/28/19RULE 26.7(A): Identified Tracts? Yes Affected Persons*: BLM / J. Mills GST Trust / Devon Energy N. Date 1/18/19

* new definition as of 12/28/2018 [any the mineral estate of United States or state of New Mexico; SWD operators within the notice radius]

Order Conditions: Issues: HC potential; shows 95% circulated;Additional COAs: Mudlog/geophysical logs; strat picks verified; BH pressure measurement; cir cnt 95%

McMillan, Michael, EMNRD

From: Cherry, Tracie <Tracie_Cherry@xtoenergy.com>
Sent: Friday, February 1, 2019 12:29 PM
To: McMillan, Michael, EMNRD
Subject: [EXT] RE: Notification of Protest for Application to Inject -James Ranch Unit 36 Rambler SWD Well No. 1 Jimmy Mills GST Trust

Thank you Mike.

From: McMillan, Michael, EMNRD [mailto:Michael.McMillan@state.nm.us]
Sent: Friday, February 01, 2019 1:25 PM
To: Cherry, Tracie <Tracie_Cherry@xtoenergy.com>
Cc: Goetze, Phillip, EMNRD <Phillip.Goetze@state.nm.us>; Lowe, Leonard, EMNRD <Leonard.Lowe@state.nm.us>; Murphy, Kathleen A, EMNRD <KathleenA.Murphy@state.nm.us>; Jones, William V, EMNRD <WilliamV.Jones@state.nm.us>; storrez@heidellaw.com
Subject: Notification of Protest for Application to Inject -James Ranch Unit 36 Rambler SWD Well No. 1 Jimmy Mills GST Trust

RE: James Ranch Unit 36 Rambler SWD Well No. 1 (API 30-015-Pending; Admin. Appl pMAM1902260148) Unit F; Sec 36, T22S, R30E, NMPM, Eddy County

Ms. Cherry:

OCD was notified by Jimmy Mills GST Trust that it is protesting this application. This party is identified as an affected person for the location being considered for the application. You are being notified that if BOPCO, L.P. wishes for this application to be considered, they must either go to hearing or may be reviewed administratively if the protest is withdrawn as a result of a negotiated resolution with this party. The application will be retained pending resolution of the protest. Please continue to provide OCD with information regarding the standing of this application. Please me call with any questions on this matter.

Contact for Jimmy Mills GST Trust
Samantha Torrez
Paralegal for Patrick B. McMahon
Heidel, Samberson, Cox & McMahon
PO Box 1599
Lovington, NM 88260
Phone: 575.393.5303
E-mail: storrez@heidellaw.com

Michael McMillan
1220 South St. Francis
Santa Fe, New Mexico
505-476-3448
Michael.mcmillan@state.nm.us

McMillan, Michael, EMNRD

From: McMillan, Michael, EMNRD
Sent: Friday, February 1, 2019 12:25 PM
To: Cherry, Tracie
Cc: Goetze, Phillip, EMNRD; Lowe, Leonard, EMNRD; Murphy, Kathleen A, EMNRD; Jones, William V, EMNRD; storrez@heidellaw.com
Subject: Notification of Protest for Application to Inject -James Ranch Unit 36 Rambler SWD Well No. 1 Jimmy Mills GST Trust
Attachments: BOPCO JamesRanchUnit36RamblerSWD#1 JimmyMillsProtest.pdf

RE: James Ranch Unit 36 Rambler SWD Well No. 1 (API 30-015-Pending; Admin. Appl pMAM1902260148) Unit F; Sec 36, T22S, R30E, NMPM, Eddy County

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Contact for Jimmy Mills GST Trust
Samantha Torrez
Paralegal for Patrick B. McMahon
Heidel, Samberson, Cox & McMahon
PO Box 1599
Lovington, NM 88260
Phone: 575.393.5303
E-mail: storrez@heidellaw.com

Michael McMillan
1220 South St. Francis
Santa Fe, New Mexico
505-476-3448
Michael.mcmillan@state.nm.us

McMillan, Michael, EMNRD

From: Herrmann, Keith, EMNRD
Sent: Friday, February 1, 2019 11:16 AM
To: Goetze, Phillip, EMNRD; McMillan, Michael, EMNRD
Cc: Samantha; Sanchez, Daniel J., EMNRD
Subject: RE: [EXT] Protest Letter
Attachments: protest SWD.jpeg

Samantha, the point of contact would be either Phillip Goetze or Michael McMillan. I am forwarding your protest to them for you.

Keith

From: Samantha <storrez@heidellaw.com>
Sent: Friday, February 1, 2019 11:06 AM
To: Herrmann, Keith, EMNRD <Keith.Herrmann@state.nm.us>; Sanchez, Daniel J., EMNRD <daniel.sanchez@state.nm.us>
Subject: [EXT] Protest Letter

Gentlemen:

Please see the attached protest letter. I am unsure who this needs to be sent to as I am unaware of the name of the new director. Please forward to the appropriate contact. Thank you.

Samantha Torrez

Paralegal to Patrick B. McMahon
Heidel, Samberson, Cox & McMahon
311 North First
P.O. Drawer 1599
Lovington, New Mexico 88260

From: Frankie Mills [<mailto:fjmills.77@gmail.com>]
Sent: Friday, February 1, 2019 9:49 AM
To: storrez@heidellaw.com
Subject: Protest from Jimmy Mills GST

Director's Office
NMOCD
1220 South St. Francis Drive
Santa Fe, NM 87505

Email/US Mail/Certified

**Re: Notice of Application to Inject Fluid
James Ranch Unit 36 Rambler State SWD 001
Eddy County, New Mexico**

To Whom It May Concern:

Please accept this correspondence, pursuant to Rule 19.15.26.8 D NMAC, as Jimmy Mills GST Trust's objection and protest to the above referenced Application.

Through this letter we are requesting written notice of all hearings.

By: *Frankie Mills*
Frankie Mills, Trustee
Jimmy Mills GST Trust

Goetze, Phillip, EMNRD

From: Davidson, Florene, EMNRD on behalf of Hearings, OCC, EMNRD
Sent: Wednesday, August 21, 2019 8:22 AM
To: Goetze, Phillip, EMNRD
Subject: FW: [EXT] Application to Inject Fluid James Ranch Unit 36 Rambler State SWD 001 Eddy County, New Mexico- Withdrawal of Protest
Attachments: Withdrawal of Protest.pdf

From: Mike Newell <mnewell@newelllawnm.com>
Sent: Tuesday, August 20, 2019 3:15 PM
To: Hearings, OCC, EMNRD <OCC.Hearings@state.nm.us>
Cc: tracie_cherry@xtoengery.com; christian_holcomb@xtoenergy.com; Jones, William V, EMNRD <WilliamV.Jones@state.nm.us>; 'Sage Jones' <sjones@newelllawnm.com>
Subject: [EXT] Application to Inject Fluid James Ranch Unit 36 Rambler State SWD 001 Eddy County, New Mexico- Withdrawal of Protest

Good afternoon:

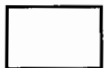
Please find attached for filing the Withdrawal of Protest. Our office could not locate the case number for the protest.

If you should have any questions, please do not hesitate to contact our office.

Thank you,

Michael Newell
NEWELL LAW FIRM
10 W. Adams Ave, Ste. E
Lovington, NM 88260
(575) 739-6395 or (575) 739-6396
F: (855) 494-0059

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**STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION COMMISSION**

**APPLICATION TO INJECT FLUID
JAMES RANCH UNIT 36 RAMBLER
STATE SWD 001 EDDY COUNTY,
NEW MEXICO**

CASE NO.

WITHDRAWAL OF PROTEST

COMES NOW, Frankie Mills, Trustee of Jimmy Mills GST Trust, by and through its attorneys Newell Law Firm, and hereby withdrawal its protest in the above styled and numbered cause.

Respectfully Submitted,

NEWELL LAW FIRM
10 W Adams Ave, Ste. E
Lovington, New Mexico 88260
(575) 739-6395
mnewell@newelllawnm.com

By: 

Michael Newell

Attorneys for Jimmy Mills GST Trust

**STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION COMMISSION**

**APPLICATION TO INJECT FLUID
JAMES RANCH UNIT 36 RAMBLER
STATE SWD 001 EDDY COUNTY,
NEW MEXICO**

CASE NO.

ENTRY OF APPEARANCE

COMES NOW, the law firm of Newell Law Firm of Lovington, New Mexico, and hereby enter their appearance of record on behalf of Frankie Mills, Trustee of Jimmy Mills GST Trust, in the above styled and numbered cause.

Respectfully Submitted,

NEWELL LAW FIRM
10 W Adams Ave, Ste. E
Lovington, New Mexico 88260
(575) 739-6395
mnewell@newelllawfirm.com

By: _____

Michael Newell

Attorneys for Jimmy Mills GST Trust

CERTIFICATE OF SERVICE

I hereby certify that a true and correct copy of the foregoing pleading was e-mailed to Tracie J. Cherry, tracie_cherry@xtoenergy.com and Christian Holcomb, christian_holcomb@xtoenergy.com on this 20th day of August, 2019.


Michael Newell

**STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION COMMISSION**

**APPLICATION TO INJECT FLUID
JAMES RANCH UNIT 36 RAMBLER
STATE SWD 001 EDDY COUNTY,
NEW MEXICO**

CASE NO.

ENTRY OF APPEARANCE

COMES NOW, the law firm of Newell Law Firm of Lovington, New Mexico, and hereby enter their appearance of record on behalf of Frankie Mills, Trustee of Jimmy Mills GST Trust, in the above styled and numbered cause.

Respectfully Submitted,

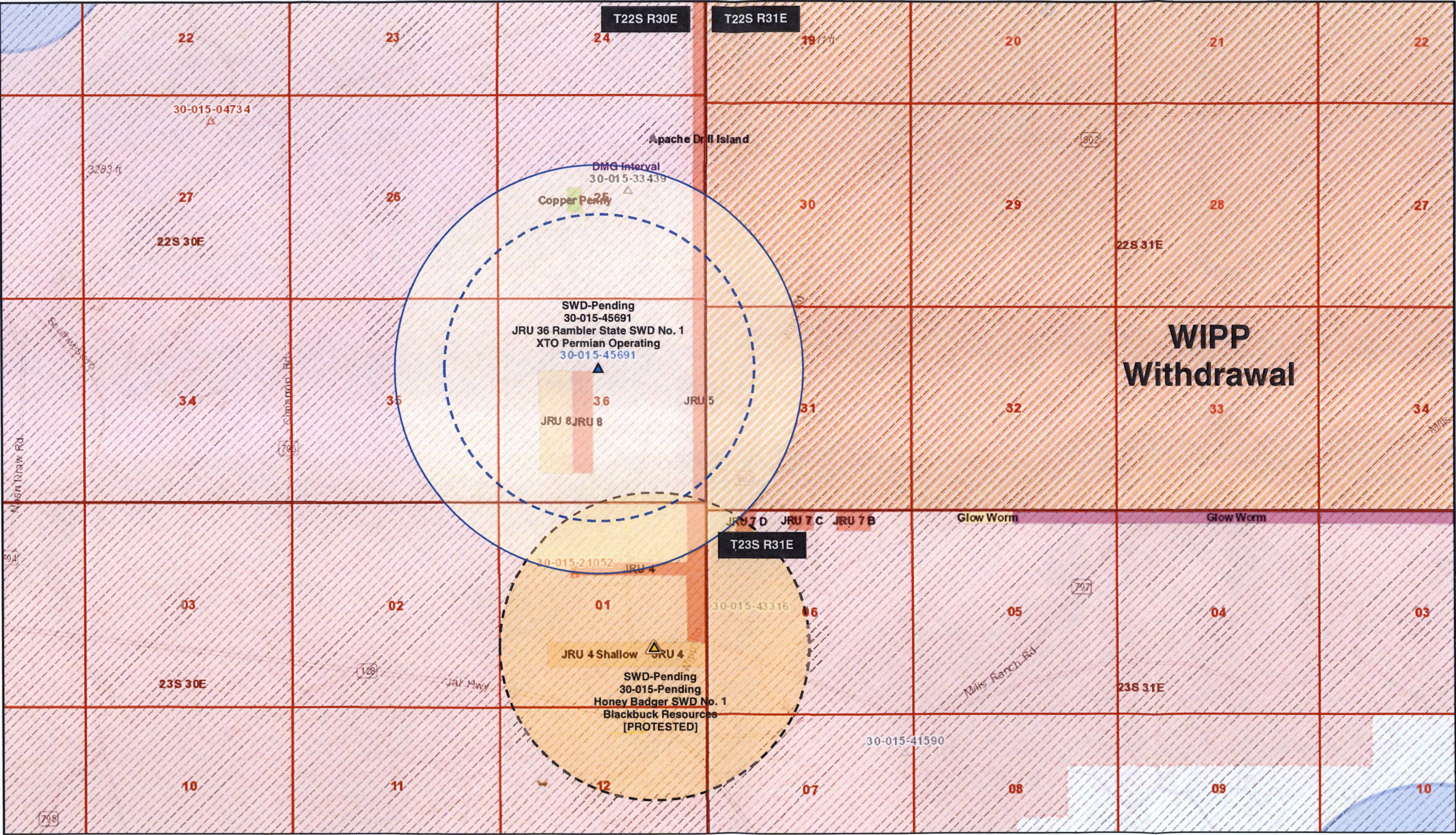
NEWELL LAW FIRM
10 W Adams Ave, Ste. E
Lovington, New Mexico 88260
(575) 739-6395
mnewell@newelllawfirm.com

By: _____


Michael Newell

Attorneys for Jimmy Mills GST Trust

Pending Application for High-Volume Devonian Disposal Well
C-108 Application for JRU 36 Rambler State SWD No. 1 – XTO Permian Operating LLC



Closest High-Volume Devonian Disposal Well: None identified as active or approved within two-miles of application.