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

APPLICATION OF RAZ OIL AND GAS L.L.C. TO APPROVE SALT WATER DISPOSAL WELL IN LEA COUNTY, NEW MEXICO.

CASE	NO.	

APPLICATION

Raz Oil and Gas L.L.C. ("Raz"), OGRID No. 370507, through its undersigned attorneys, hereby submits this application to the Oil Conservation Division pursuant to the provisions of NMSA 1978, § 70-2-12, Rule No. 19.15.26, and Rule 19.15.4.8 for an order authorizing Raz to plug back the YO State SWD #1 well to the Delaware Mountain Group and authorizing injection from the YO State SWD #1 well into the Delaware Mountain Group. In support of this application, Raz states as follows:

- (1) Raz currently operates the YO State SWD #1 (API 30-025-38162) pursuant to Division Order SWD-1594, at a surface location 660' from the North line and 840' from the West line, Lot D, Section 15, Township 21 South, Range 35 East, NMPM, Lea County, New Mexico. Raz currently injects produced water into the Devonian formation.
- (2) Raz seeks authority to plug back the YO State SWD #1 well to the Delaware Mountain Group and authority to inject produced water into the Delaware Mountain Group at a depth of approximately 5,540 feet to 6,930 feet.
- (3) Raz requests that the Division approve a maximum daily injection rate for the well of 20,000 bbls per day.
 - (4) Raz requests approval of a maximum injection pressure of 1,108 psi for the well.

- (5) A proposed C-108 for the subject well is attached hereto as Attachment A. Raz previously submitted a C-108 for administrative approval in October 2023. Raz reviewed the C-108 in preparation for submitting this application and made one revision to the ownership map—otherwise the C-108 as submitted in October 2023 required no changes and is still accurate.
- (6) Notice of the previously submitted administrative application was given as shown in the attached C-108. Counsel for Raz will provide notice of this hearing application as required by the Division's regulations.
- (7) The granting of this application will prevent waste and will protect correlative rights.

WHEREFORE, Raz requests that this application be set for hearing before an Examiner of the Oil Conservation Division on January 9, 2025; and that after notice and hearing, the Division enter its order approving this application.

Respectfully submitted,

MODRALL, SPERLING, ROEHL, HARRIS & SISK, P.A.

By: Welna M. Bennett

Earl E. DeBrine, Jr.

Deana M. Bennett

Yarithza Peña

Post Office Box 2168

500 Fourth Street NW, Suite 1000

Albuquerque, New Mexico 87103-2168

Telephone: 505.848.1800

edebrine@modrall.com

deana.bennett@modrall.com

yarithza.pena@modrall.com

Attorneys for Applicant

CASE NO. _____: Application of Raz Oil and Gas L.L.C. for approval of a salt water disposal well in Lea County, New Mexico. Applicant seeks an order authorizing applicant to plug back the YO State SWD #1 well to the Delaware Mountain Group and authorizing applicant to inject produced water into the Delaware Mountain Group at a depth of approximate 5,540 feet to 6,930 feet. Applicant currently operates the YO State SWD #1 (API 30-025-38162), at a surface location 660' from the North line and 840' from the West line, Lot D, Section 15, Township 21 South, Range 35 East, NMPM, Lea County, New Mexico. Applicant further requests that the Division approve a maximum daily injection rate for the well of 20,000 bbls per day. Said area is located approximately 12.24 miles northwest of Eunice, New Mexico.

Revised March 23, 2017

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			12/10/2024	
2.2			12/10/2024 Date	
oshua Ticknor			DUIG	
rint or Type Name			(590) 01/ 212/	
			(580) 916-2126	
Josh Tickn	gr	VIIIDIT	Phone Number	
Josh Tickni	eabbies.	XHIBIT		n

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, New Mexico 87505 FORM C-108 Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

I.	PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Storage Application qualifies for administrative approval? X Yes No
II.	OPERATOR: Raz Oil and Gas L.L.C.
	ADDRESS: P.O. Box 1180, Eunice, NM 88321
	CONTACT PARTY: Joshua Ticknor PHONE: (580) 916-2126
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 If yes, give the Division order number authorizing the project: X No Injection authorized under Order SWD-1594
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:
	 Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and, 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: Joshua Ticknor TITLE: Consultant / Project Manager
	SIGNATURE: Josh Ticknor DATE: 12/10/2024
*	E-MAIL ADDRESS: jticknor@all-llc.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:

Side 2

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.

Application for Authorization to Inject

Well Name: YO State SWD #1

API: 30-025-38162

III – Well Data (The Wellbore Diagram is included as **Attachment 1**)

A.

(1) General Well Information:

Operator: Raz Oil and Gas L.L.C. (OGRID No. 370507) Lease Name & Well Number: YO State SWD #1 Location Footage Calls: 660 FNL & 840 FWL Legal Location: Lot D, S15 T21S R35E

Ground Elevation: 3,587'

Proposed Injection Interval: 5,540' – 6,930'

County: Lea

(2) Casing Information:

Туре	Hole Size	Casing Size	Casing Weight	Setting Depth	Sacks of Cement	Estimated TOC	Method Determined
Surface Casing	17-1/2"	13-3/8"	48 lb/ft	850'	750	Surface	Circulation
Intermediate Casing	12-1/2"	9-5/8"	40 lb/ft	5,420'	1,900	Surface	Circulation
Production Casing	8-3/4"	7"	26 lb/ft	12,536'	1,605	Surface	CBL
Liner	6-1/8"	5"	15 lb/ft	12,273' - 13,962'	105	12,662'	CBL

DV Tools set on 7" casing at: 4,166', 5,335', and 9,797'

(3) Tubing Information:

4.5" (11.6 lb/ft) ICP L80 or N80 injection tubing with setting depth of 5,520'.

(4) Packer Information: Baker Hughes Hornet or equivalent packer set at 5,520'.

В.

(1) Injection Formation Name: Delaware

Pool Name: SWD; Delaware

Pool Code: 96100

- (2) Injection Interval: Perforated injection between 5,540′ 6,930′
- (3) Drilling Purpose: Plug back for saltwater disposal in Delaware Mountain Group.
- (4) Other Perforated Intervals: Perforations from 13,518' 13,718' and open hole from 13,962' - 14,347' are currently being utilized to inject into the Devonian Formation. These Perforations will be properly plugged and abandoned during the plug back of the YO State SWD #1 into a Delaware Mountain Group injection well.
- (5) Overlying Oil and Gas Zones: Below are the approximate formation tops for known oil and gas producing zones in the area.
 - Yates (3,680')

Underlying Oil and Gas Zones: Below are the approximate formation tops for known oil and gas producing zones in the area.

- Bone Spring (7,578')
- Wolfcamp (10,156')
- Morrow (11,669')

Application for Authorization to Inject

Well Name: YO State SWD #1

API: 30-025-38162

V – Well and Lease Maps

The following maps and documents are included in Attachment 2:

- 2-mile Oil & Gas Well Map
- 1/2-Mile Well Detail List
- Penetrating Wellbore Diagram (Plugged Wells)
- 2-Mile Lease Map
- 2-Mile Mineral Ownership Map
- 2-Mile Surface Ownership Map
- Potash Lease Map

VI - AOR Well List

A list of the wells within the 1/2-mile AOR is included in Attachment 2.

There is one (1) well within the 1/2-mile AOR which penetrates the injection zone. This well has been properly cased, cemented, and plugged to isolate the injection zone. A wellbore diagram, casing information, and plugging details for this well is also included in **Attachment 2**.

VII - Proposed Operation

- (1) Proposed Maximum Injection Rate: 20,000 bpd Proposed Average Injection Rate: 13,000 bpd
- (2) A closed-loop system will be used.
- (3) Proposed Maximum Injection Pressure: 1,108 psi (surface)
 Proposed Average Injection Pressure: approximately 720 psi (surface)
- (4) Source Water Analysis: It is expected that the injectate will consist of produced water from production wells completed in the Yates, Bone Spring, and Morrow formations. Analysis of water from these formations is included as **Attachment 3**.
- **(5) Injection Formation Water Analysis:** The proposed SWD will be injecting water into the Delaware Mountain Group which is a non-productive zone known to be compatible with formation water from the Yates, Bone Spring, and Morrow formations. Water analyses from the Delaware formation in the area are included as **Attachment 4.**

VIII - Geologic Description

The proposed injection interval includes the Delaware Mountain Group from 5,540 to 6,930 feet. This formation consists of fine-grained Permian age sandstones with interbedded siltstones. Several thick intervals of porous and permeable sandstones capable of taking water are present within the Delaware Mountain Group in the area.

The base of the USDW is at a depth of approximately 850 feet. Water well depth in the area is approximately 150 feet below the ground surface.

Application for Authorization to Inject

Well Name: YO State SWD #1

API: 30-025-38162

IX – Proposed Stimulation Program

A small cleanup acid job may be used to treat the new perforations in the Delaware Mountain Group. However, no other formation stimulation is currently planned.

X – Logging and Test Data

Logs will be submitted to the Division upon completion of the well.

XI – Fresh Groundwater Samples

Based on a review of data from the New Mexico Office of the State Engineer, one (1) water well is located within 1-mile of the proposed SWD location. This water well was sampled on June 7, 2015.

A water well map, details of the water well within 1-mile, and the associated water analyses are included in **Attachment 5**.

XII - No Hydrologic Connection Statement

No faulting is present in the area that would provide a hydrologic connection between the injection interval and overlying USDWs. Additionally, the casing program has been designed to ensure there will be no hydrologic connection between the injection interval and overlying USDWs.

A signed No Hydrologic Connection Statement is included as Attachment 6.

XIII - Proof of Notice

A Public Notice was filed with the Hobbs News-Sun newspaper and an affidavit is included in **Attachment 7**.

A copy of the application was mailed to the OCD district office, landowner, and all identified affected parties within 1/2-mile of the proposed SWD location. A list of the recipients, as well as delivery confirmations, are included in *Attachment 7*.

Attachment 1:

- C-102
- As-Built Wellbore Diagram
- Proposed Recompletion Wellbore Diagram
- Packer Diagram

Attachment 2: Area of Review Information:

- 2-Mile Oil & Gas Well Map
- 1/2-Mile Well Detail List
- Penetrating Wellbore Diagram (Plugged Wells)
- 2-Mile Lease Map
- 2-Mile Mineral Ownership Map
- 2-Mile Surface Ownership Map
- Potash Lease Map

Attachment 3: Source Water Analyses

Attachment 4: Injection Formation Water Analyses

Attachment 5: Water Well Map and Well Data

- Water Well Map
- Well Data

Attachment 6: No Hydrologic Connection Statement

Attachment 7: Public Notice Affidavit and Notice of Application Confirmations

- C-102
- As-Built Wellbore Diagram
- Proposed Recompletion Wellbore Diagram
- Packer Diagram

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

Form C-102

Energy, Minerals & Natural Resources Department

Revised August 1, 2011 Submit one copy to appropriate

OIL CONSERVATION DIVISION 1220 South St. Francis Dr.

DEC 1 6 2015

District Office

Santa Fe, NM 87505

RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	3 Pool Name	
30-025-38162	97996	SWD; Cherry Canyon - Brushy	Canyon
⁴ Property Code 315024		O State SWD	⁶ Well Number 001
⁷ OGRID No. 370507		perator Name il and Gas, LLC	⁹ Elevation 3587

¹⁰ Surface Location

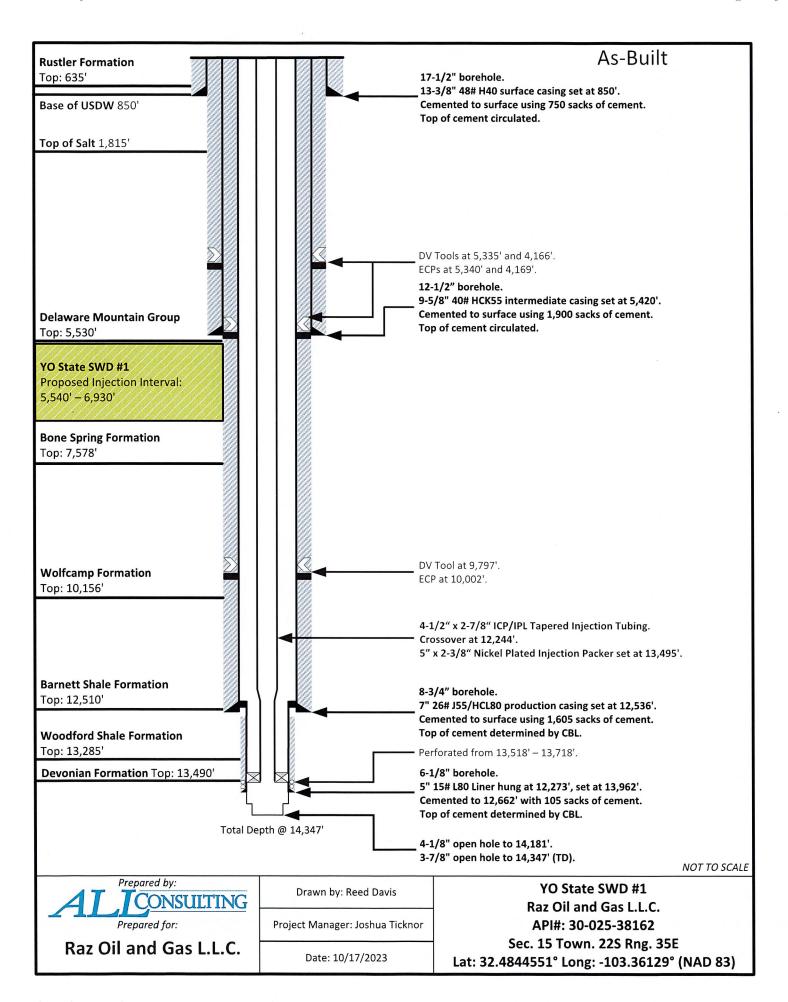
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	15	218	35E		660	N	840	W	Lea

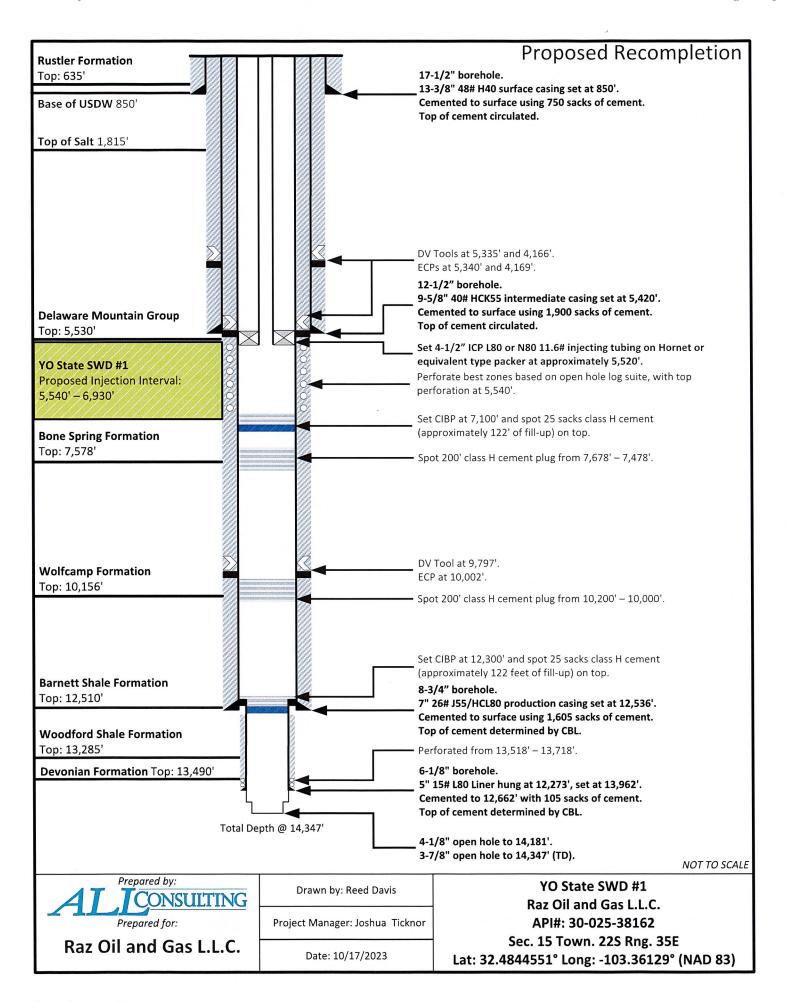
11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acre	s 13 Joint or	Infill 14 C	onsolidation	Code 15 Or	der No.				
40	3 John Of		ousondation	Code O	uci ito.				

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.

See original survey plat signed 11/10/2006 Lat: 32.4844551 Long: -103.36129 NAD83	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 whintary pooling agreement or a compulsory pooling order heretofore entered by the division. Date Danny J. Holcomb, Agent for Raz Oil and Gas LLC Printed Name danny/appwllc net E-mail Address 18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this
Per NMOCD Well File	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. Date of Survey Signature and Seal of Professional Surveyor:





Retrievable Packer Systems

HORNET Packer

Product Family No. H64682

HORNET EL Packer

Product Family No. H64683

APPLICATION

The mechanically set HORNET™ packer offers ease of operation with quarter-turn right to set and release. Converting it for wireline-setting applications is simple and inexpensive. The HORNET packer provides for landing in compression, tension, or neutral positions. Every component from the jay track, to the internal bypass, to the packing-element system and the upper slip assembly has been developed to ensure the HORNET's setting and releasing reliability.

The HORNET EL packer is run and set on electric line using an E- 4^{TM} (Product Family No. H43702) with a slow-set power charge or a J^{TM} setting tool (Product Family No. H41371) and a special wireline adapter kit. An L- 10^{TM} type on/off seal nipple is run on top of the packer to connect the tubing to the packer and to house a blanking plug when the packer is used as a temporary bridge plug.

Advantages

Upper Slip Assembly:

- Thoroughly tested across API minimum to maximum casing ID tolerances for each specified casing weight, for setting and releasing reliability
- Slip-wicker configuration providing bidirectional-load support with solid upper cone to support highest tensile loads
- Staged-release action eliminates high-overpull requirement
- Minimal set-down weight required to anchor slips

Internal Bypass Seal:

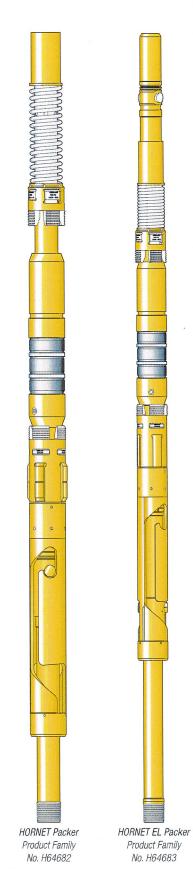
- Durable bypass seal design provides sealing after unloading, under differential pressures
- No O-ring sealing system

Packing Element System:

- Fully tested to combined ratings at the API's maximum ID tolerance
- Patented enhancements to control overboost
- High-performance, three-piece element system

Lower Slip and Jay Assembly:

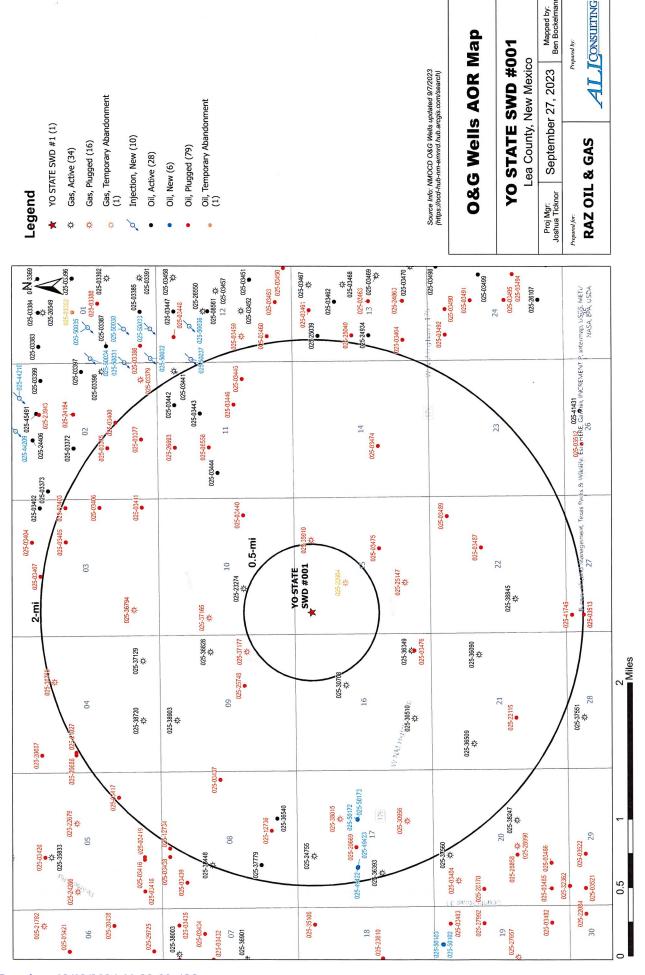
- Slips and drag blocks tested to maximum API tolerance ID for positive set and ease of release
- One-quarter-turn right setting and releasing action
- Packoff of packing elements with applied tension or compression
- Spacing in jay ensures opening of internal bypass, before slip releasing action begins—important to both ease of release and safety
- Automatically returns to running position



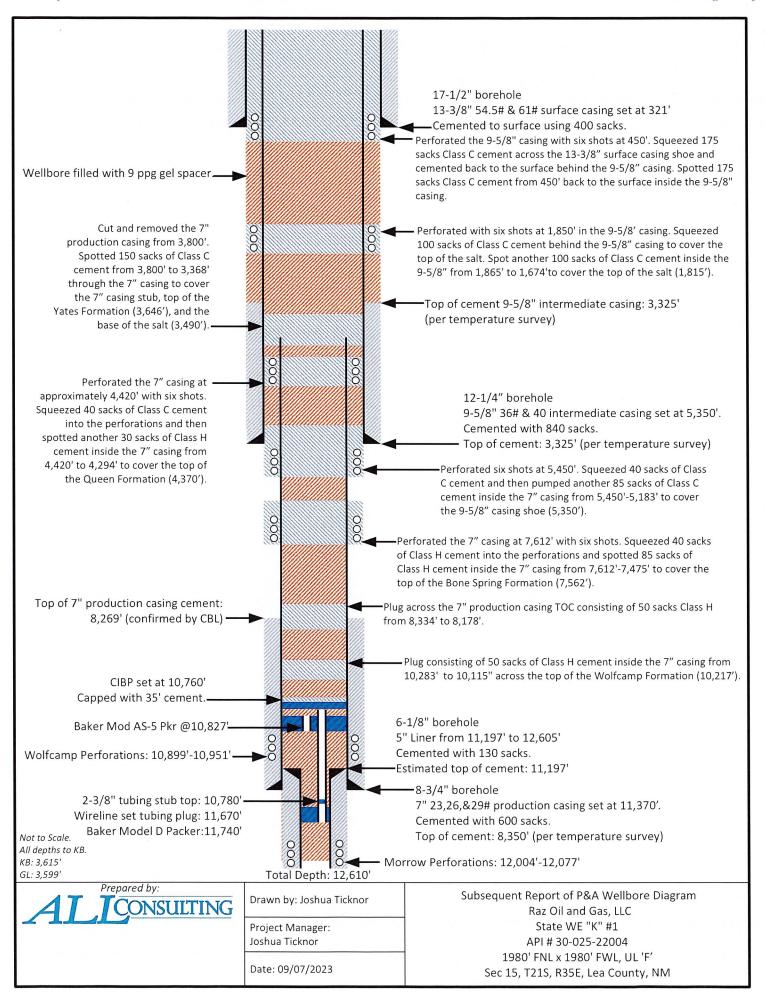
Area of Review Information:

- 2-mile Oil & Gas Well Map
- 1/2-Mile Well Detail List
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- 2-mile Mineral Ownership Map
- 2-mile Surface Ownership Map
- Potash Lease Map

Mapped by: Ben Bockelmann



		AOR Tabulati	lation for Yo State SWD #001 (Top of Injection Interval: 5,540' - 6,930')	njection Interv	/al: 5,540' - 6,930')		
Well Name	API#	Well Type	Operator	Spud Date	Location (Sec., Tn., Rng.)	Total Vertical Depth (feet)	Penetrate inj. Zone?
STATE WE K #001	30-025-22004	Plugged	Raz Oil and Gas LLC	1/10/1967	F-15-21S-35E	12,610 (plugged)	Yes
	Casir	g / Plugging I	Casing / Plugging Information for Wells Penetrating the Yo State SWD #001 Injection Zone	the Yo State	SWD #001 Injection	Zone	
Well Name	Туре	Set Depth	Casing Size	T0C	TOC Method Determined	Sks of Cement	Hole Size
	Surface	321'	13.375"	Surface	Circulation	400	17.5"
	Intermediate	5,350'	9.625"	3,325'	Temperature Survey	840	12.25"
	Production	Production 4,420' - 11,370'	7"	8,350'	Temperature Survey	009	8.75"
STATE WE K #001	Liner	11,197' - 12,605'	.2"	11,197	Estimated	130	6.125"
	Plugging Details:	Hugging Details: Tubing plug @11,670'.	0. CIBP @10,760' capped with 35' cement. Plugs @10,283' - 10,115' with 50 sx, @8,334' - 8,178' with 50 sx. Perf and squeeze @7,612' to 7,475' with 40 sx	s @10,283' - 10,11	5' with 50 sx, @8,334' - 8,178	' with 50 sx. Perf and squeeze @	7,612' to 7,475' with 40 sx
	and spotted 85 sy	k inside 7" casing fro	and spotted 85 sx inside 7" casing from 7,612' - 7,475', @5,450' - 5,183' with 40 sx and spotted 80 sx from 5,450' - 5,183', @4,420' - 4,294' w/ 70 sx. 7" casing cut and pulled @3,800', spotted 150	spotted 80 sx fron	n 5,450' - 5,183', @4,420' - 4,;	!94' w/ 70 sx. 7" casing cut and pu	lled @3,800', spotted 150
	sx from 3,800' to	sx from 3,800' to 3,368'. Perf and squeezo	neeze @1,850 - 1,674' with 100 sx and spotted 100 sx from 1,865' - 1,674', @450' - surface with 175 sx and spotted 175 sx from 450' - surface.	00 sx from 1,865' -	1,674', @450' - surface with 1	75 sx and spotted 175 sx from 450	۱ - surface.



Legend

YO STATE SWD #1

*

BLM Communitization Units

NMSLO Mineral Leases

Private Mineral Leases

Source Info: BLM Mineral Leases (https://catalog.data.gov/dataset/bim-new-mexico-mineral-ownership), NMSIO Mineral Leases (htp://www.mnsiatelands.org/maps.ggis-cata-cownload/). Where applicable, Private Mineral Leases were infernitied utilizing Enverus, Midend Maps, or operator identified tease data.

Mineral Lease AOR

YO STATE SWD #001

Lea County, New Mexico

November 08, 2024

Mapped by: Ben Bockelmann

Proj Mgr: Reed Davis

AL ICONSULTING

RAZ OIL & GAS

Prepared for:

LEACO NEW CITATION MEXICO EXPL. OIL 8
AND PROD., LLC GAS CHEVRON

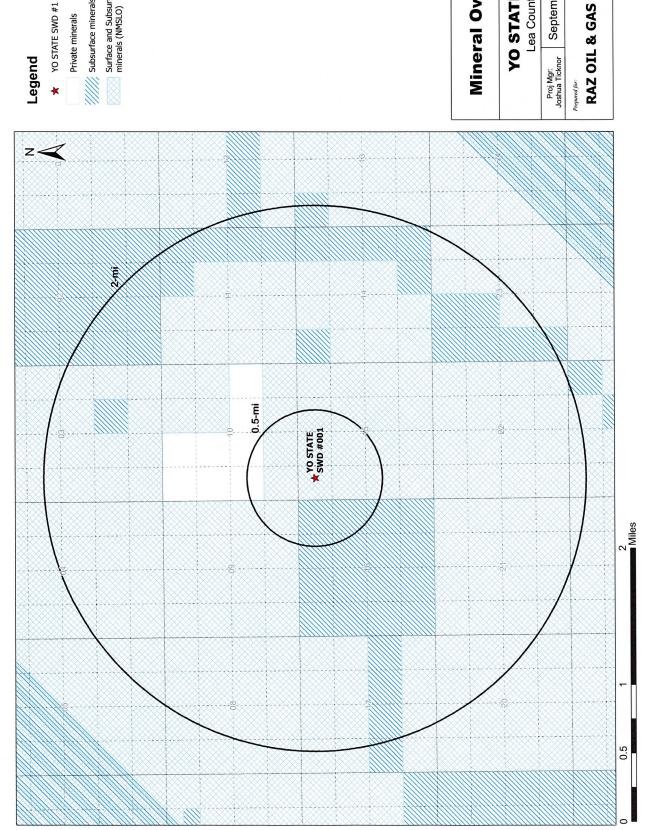
LEACONEW USANIC

AND PROD, LLC CITATION OIL & GAS CORP CITATION OIL & GAS CORP ZPZ VARE CITATION OIL & GAS CORP FEDERAL ABSTRACT COMPANY ZPZ DELAWARE1 LLC FEDERAL BSTRACT COMPANY 2-mi MARSHALL & WINSTON INC CHEVROM DAKOTA RESOURCES INC DEVON ENERGY PRODUCTION COMPANY, LP ZPZ LAWARE I LLC JAMES D FINLEY 1-mi MEWBOURNE MEVBOURNE OIL COMPANY 2024 MICHOSOTT SOPPOSITION JAMES D FINLEY FEDERAL ABSTRACT COMPANY CHEVRONU MATADOR PET, ETAL; APACHE; TOM BROWN, INC. CORPORATION YO STATE SWD #001 ACRES ENERGY. MARSHALL & CHEVRON U PRODUCTION - CO. LP CORPORATION KAISER-FRANCIS OIL CO EOG RESOURCES INC JAMES D AMES D 2 Miles CAISER-FRANCIS OIL CO CHEVRON U S A INC CONOCOPHILLIPS CHEVRON U S'A INC S A INC USAINC OXY USA INC - OIL CHEVRO SA CHEVRON US AINC KAISER-FRANCIS OIL CO LEACO NEW MEXICO EXPL AND PROD., LLC CHEVRON USA INC XTO HOLDINGS, LLC APACHE USA WTP LIMITED PARTNERSHIP CHEVRON USA INC MEWBOURNE CHEVRON 0.8 CONOCOPEILLIPS
COMPANY-KAISER-FRANCIS OIL CO-MARATHON OIL PERMIAN LLC MEWBOURN OIL COMPAN OXX 0.5 V-F PETROLEUM | MRC PERMIAN COMPANY MRC PERMIAN COMPANY MEWBOURNE OIL COMPANY MEWBOURNE OIL COMPANY MEWBOURNE CHISHOLM-ENERGY OP LLC & DEVON EN PRODCO L U S'A INC

Mapped by: Ben Bockelmann

Lea County, New Mexico September 28, 2023 AL ICONSULTING

Private minerals (NMSLO) Subsurface minerals (NMSLO) Surface and Subsurface minerals (NMSLO) Mineral Ownership AOR YO STATE SWD #001



Surface Ownership AOR

YO STATE SWD #001

Lea County, New Mexico

Lea County, New Mexico

Reaz OIL & GAS

ALIGONSULTING

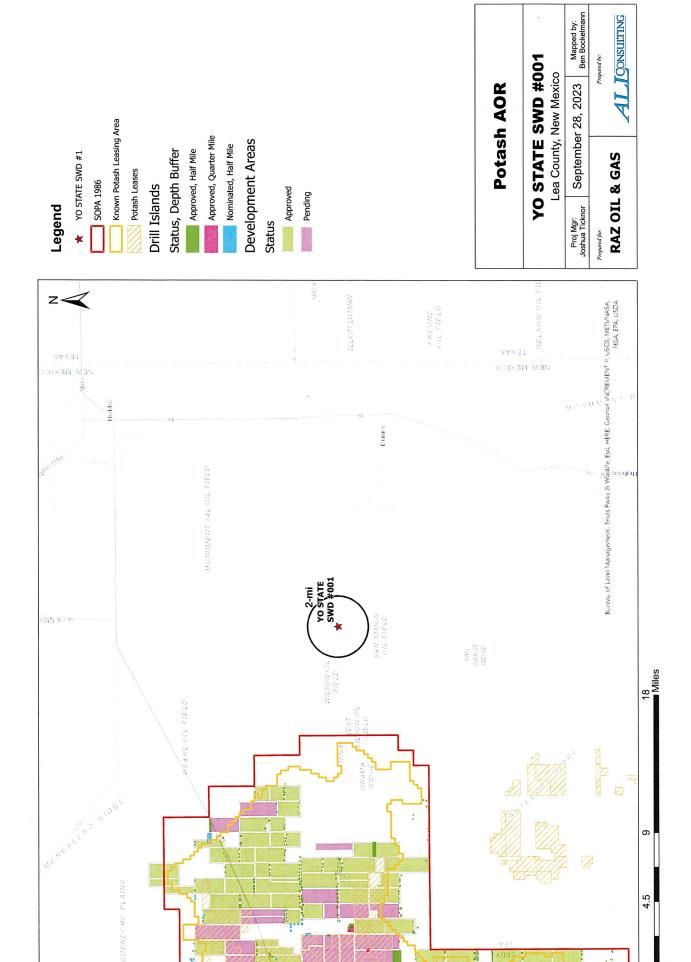
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★ YO STATE SWD #1 (1)

Surface Ownership

Private (9) State (2)

z <24 13 12 4 02 0.5-mi 22 ★ YO STATE ★ SWD #001 03 2 ■ Miles 16 60 20 08 05 0.5



Source Water Analysis

							Š	Source Water Analysis	Nater /	Analys	is					
						Ra	Oil ar	nd Gas L	TC - YO	State S	Raz Oil and Gas LLC - YO State SWD #001					
Well Name	API	Latitude	Longitude Section Township Ran	Section	Township	Range Unit	Juit Ft	Ftgns Ftgew County State	ew Cou	nty Sta	te Field	Formation	TDS (mg/L)	Chloride (mg/L)	Bicarbonate (mg/L)	Sulfate (mg/L)
APPLESEED FEDERAL COM #001	3002520377	32.5750008	-103.4730377	17	20S	35E	= 0	199 N086	PEA 1099	NM NM	4 LYNCH	BONE SPRING	173,141	93,660	5,174	7,916
HUNT APO STATE #001	3002527135	32.5070038	3002527135 32.5070038 -103.4812317	4	218	34E	T 23	2310S 660W	OW LEA	NM	A GRAMA RIDGE NORTH	BONE SPRING	294,627	216,575	74	403
BERRY APN STATE #001	3002527250	32.5060349	-103.4983444	2	215	34E	1 15	M099 S0861	VET MO	NM N	A BERRY NORTH	BONE SPRING	192,871	132,048	163	445
HUNT APO STATE #001	3002527135	32.5070038	-103.4812317	4	218	34E	T 23	2310S 660W	OW LEA	NN A	A GRAMA RIDGE NORTH	BONE SPRING	294,627	216,575	74	403
MONK 21 STATE COM #001H	3002540986	32.4706993	-103.4818954	21	215	34E	D 3.	330N 460	460W Lc	Lea NM	N.	BONE SPRING 2ND SAND	261,089	160,264	122	425
MONK 21 STATE #004H	3002542193	32,4710767	3002542193 32,4710767 -103,4727296	21	215	34E	13 20	200N 198	1980E Lea	a NM	V	BONE SPRING 2ND SAND	184,233	112,775	488	425
GAUCHO UNIT #007H	3002534440	3002534440 32.3889961	-103.4941711	1.7	22S	34E	×	861 S0591	1980W Lea	a NM	1	BONE SPRING 2ND SAND	166,698	779,101	19	675
GAUCHO UNIT #015H	3002541566	32.3841896	32.3841896 -103.4984589	20	22S	34E	U I	99 N001	7 M099	Lea NM	7	BONE SPRING 2ND SAND	158,147	96,378	232	710
GAUCHO UNIT #01111	3002541184	32.385006	32.385006 -103.4891129	17	22S	341	0 2	200S 173	1730E Lea	a NM	A	BONE SPRING 3RD SAND	156,141	876,76	305	1,005
GAUCHO UNIT #010H	3002541183	32.385006	-103.4892731	1.7	22S	34E	0 2	200S 178	1780E Lea	a NM	A .	BONE SPRING 3RD SAND	165,155	100,777	220	560
GAUCHO UNIT #010Et	3002541183	32.385006	-103.4892731	17	22S	34E	0 2	200S 178	1780E Lea	a NM	A	BONE SPRING 3RD SAND	165,155	100,777	220	260
WILSON DEEP UNIT #001	3002520461	32.4805832	3002520461 32.4805832 -103.4253387	13	218	34E	F 26	2080N 208	2080W LEA	A NM	A WILSON	MORROW	11,648	999	2,161	5,252
EUNICE MONUMENT SOUTH UNIT #102	3002504326	32.5495567	3002504326 32.5495567 -103.3014832	25	20S	36F.	9 V	99 N099	660E Lea	a NM		YATES		247,872	1,091	30,984

Injection Formation Water Analysis

								Injec	tion Fc	rmat	Ņ N	Injection Formation Water Analysis					
					ut.	Raz Oil and		as LLC	· YO Sta	te SW	00# Q,	Gas LLC - YO State SWD #001 - Delaware Mountain Group	ntain Group				
Well Name	API	Latitude	Latitude Longitude Section Township Range Unit	Section	Township	Range		tgns F	Ftgns Ftgew County State	ounty 5	State	Field	Formation	TDS (mg/L)	Chioride (mg/L)	TDS (mg/L) Chioride (mg/L) Bicarbonate (mg/L) Sulfate (mg/L)	Sulfate (mg/L)
MOBIL LEA STATE #001	3002531696	002531696 32.5999107	-103.5331573	2	20S	34E	× -	1 S008 I	M0861	V:I'I	MN	NM LEA NORTHEAST	DELAWARE	152,064	102,148	404	169
MOBIL LEA STATE #003	3002532105	3002532105 32.5976906	-103.5367584	2	20S	341:	M S	8 S066	M078	LEA.	NM	. LEA NORTHEAST	DELAWARE	296,822	215,237	143	294
MOBIL LEA STATE #005	3002532466	002532466 32.6028633	-103.5367584	2	20S	3415	E 2		870W	LEA	NM	LEA NM LEA NORTHEAST	DELAWARE	340,838	245,270	229	147
LEA UNIT #001	3002502427	002502427 32.5858536	-103.520256	12	Z0S	34E	1	9 S0861	660W LLA NM	LEA	MN	LEA	DELAWARE	214,787	132,700	208	1,816
GAUCHO 21 FEDERAL #002H	3002540626	32.3709793	3002540626 32.3709793 -103.4823151	21	22S	341;	M	375S 3	375W	Lea NM	NM		DELAWARE-BRUSHY CANYON	266,468	167,562	366	

Released to Imaging: 12/12/2024 11:22:28 AM

- Water Well Map
- Well Data

Legend

★ YO STATE SWD #1 (1)

OSE PODS

Active (1)

Status

Change Location of Well (0) Pending (0) 0

Capped (0) Plugged (0)

Incomplete (0) Unknown (0) 0

Source Info: NMOSE PODs updated 9/21/2023 (https://geospatialdata-ose.opendata.arcgis.com/search?collection=Dataset)

Water Wells AOR Map

YO STATE SWD #001

Lea County, New Mexico

September 27, 2023

Mapped by: Ben Bockelmann

Proj Mgr: Joshua Ticknor

RAZ OIL & GAS

4 I CONSULTING

 $z \ll$ Maxar (PCNES (2023) Distribution Airbus DS fe 2023 Temfora 176 0.5 0.25

			Water Well San	Water Well Sampling Rationale	
		Ra	Raz Oil and Gas LLC - YO State SWD #001	- YO State SWD #C	101
Water Wells	Owner	Available Contact Information	Use	Sampling Required	Notes
CP-00587-POD1	The Merchant Livestock Company	P.O. Box 1105 Eunice, NM 88231spencer@merchantivestock.com	Livestock Watering	Yes	CP-00587-POD1 was sampled on June 7, 2015.



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RAZ OIL & GAS BEN THOMPSON P. O. BOX 1180 **EUNICE NM, 88231**

Fax To:

NONE GIVEN

Received:

06/08/2015

Reported:

06/12/2015

Project Name: Project Number: Project Location: WATER WELL CP00587

NONE GIVEN LEA COUNTY, NM

Sampling Date: Sampling Type: 06/07/2015

Water

Sampling Condition:

** (See Notes)

Sample Received By:

Jodi Henson

Sample ID: WELL WATER (H501468-01)

Chloride, SM4500Cl-B

Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	92.0	4.00	06/09/2015	ND	104	104	100	0.00	
TDS 160.1	mg,	/L	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	8S	% Recovery	True Value QC	RPD	Qualifier
TDS*	860	5.00	06/11/2015	ND	552	105	527	1.35	

Cardinal Laboratories

*=Accredited Analyte

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Celeg Ditiene

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 4

No Hydrologic Connection Statement



RE: Raz Oil and Gas LLC – YO State SWD #1 – Plug Back Saltwater Disposal Application, Lea County, New Mexico

ALL Consulting LLC (ALL) has performed a thorough hydrologic investigation related to the proposed plug back of the YO State SWD #1 into the Delaware Mountain Group. The hydrologic investigation was conducted to determine if there were any existing or potential connections between the proposed injection intervals in the Delaware Mountain Group and the deepest underground source of drinking water (USDW).

ALL performed an assessment and analysis of the subsurface geophysical log data along with published documents on the groundwater in this vicinity of Eddy County, New Mexico. Based on ALL's assessment and analysis there is containment through multiple confining zones above the Delaware Mountain Group and the USDW and over 4,690 feet of vertical separation between the base of the USDW and the top of the injection interval. Additionally, there is no evidence of extensive faulting that would allow for communication between the USDW and the Delaware Mountain Group.

Date

Jonn Jonnatth October 19, 2023

Chief Geologist and Regulatory Specialist

ALL Consulting LLC

Tom Tomastik

Public Notice Affidavit and Notice of Application Confirmations

APPLICATION FOR AUTHORIZATION TO INJECT

NOTICE IS HEREBY GIVEN: That Raz Oil and Gas L.L.C., P.O. Box 1180 Eunice, NM 88231, is requesting that the New Mexico Oil Conservation Division administratively approve the APPLICATION FOR AUTHORIZATION TO INJECT as follows:

PURPOSE: The intended purpose of the injection well is to dispose of salt water produced from permitted oil and gas wells.

WELL NAME AND LOCATION: YO State SWD #1

Located 12.24 miles northwest of Eunice, NM
NW 1/4 NW 1/4, Section 15, Township 21S, Range 35E

660' FNL & 840' FWL

Lea County, NM

NAME AND DEPTH OF DISPOSAL ZONE: Delaware Mountain Group (5,540' – 6,930')

EXPECTED MAXIMUM INJECTION RATE: 20,000 Bbls/day

EXPECTED MAXIMUM INJECTION PRESSURE: 1,108 psi (surface)

Objections or requests for hearing must be filed with the New Mexico Oil Conservation Division within fifteen (15) days. Any objection or request for hearing should be mailed to the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505.

Additional information may be obtained by contacting Joshua Ticknor at (580)-916-2126.

icu, a

Affidavit of Publication

STATE OF NEW MEXICO COUNTY OF LEA

I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

> Beginning with the issue dated October 24, 2023 and ending with the issue dated October 24, 2023.

LEGAL NOTICE October 24, 2023

APPLICATION FOR AUTHORIZATION TO INJECT

NOTICE IS HEREBY GIVEN: That Raz Oil and Gas L.L.C., P.O. Box 1180 Eunice, NM 88231, is requesting that the New Mexico Oil Conservation Division administratively approve the APPLICATION FOR AUTHORIZATION TO INJECT as follows:

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WELL NAME AND LOCATION:

YO State SWD #1

Located 12.24 miles northwest of Eunice, NM NW ¼ NW ¼, Section 15, Township 21S, Range 35E 660' FNL & 840' FWL

Lea County, NM

NAME AND DEPTH OF DISPOSAL ZONE: EXPECTED MAXIMUM INJECTION RATE: EXPECTED MAXIMUM INJECTION PRESSURE:

Delaware Mountain Group (5,540' – 6,930') 20,000 Bbls/day

1,108 psi (surface)

Objections or requests for hearing must be filed with the New Mexico Oil Conservation Division within fifteen (15) days. Any objection or request for hearing should be mailed to the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505.

Additional information may be obtained by contacting Oliver Seekins at 918-382-7581. #00284109

Publisher

Sworn and subscribed to before me this 24th day of October 2023.

Notary LeAn Witched

My commission expires June 07, 2024 (Seal)

OFFICIAL SEAL

LEANN WHITEHEAD

Notary Public State of New Mexico

My Commission Expires

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said publication has been made.

67115320

00284109

DANIEL ARTHUR ALL CONSULTING 1718 S. CHEYENNE AVE. TULSA, OK 74119

	Raz Oil and Gas L.L.C - Y	and Gas L.L.C - YO State SWD #1 - Affected Persons	su			
Affected Party Classification	Entity - Proof of Notice	Entity - As Mapped/Exhibited	Address	City	State	Zip Code
Mineral / Surface Owner	New Mexico State Land Office	NMSLO	310 Old Santa Fe Trail	Santa Fe	NM	87501
NMOCD District Office	New Mexico Oil Conservation District 1	N/A	1625 N. French Drive	Hobbs	NM	88240
NMSLO Lessee	Federal Abstract Company	Federal Abstract Company	P.O. Box 4362	Houston	ΧL	77210-4362
NMSLO Lessee	Devon Energy Production Company Limited Partnership	Devon Energy Production Co. LP	333 W Sheridan Avenue	Oklahoma City	OK	73102
NMSLO Lessee	James D. Finley	James D Finley	1308 Lake Street Suite 200	Fort Worth	ΧŢ	76102
NMSLO / Fee Lessee	Apache Corporation	Apache Corporation	303 Veterans Airpark Ln #1000	Midland	ΤX	79705
NMSLO Lessee	Kaiser-Francis Oil Company	Kaiser-Francis Oil Co	P.O. Box 21468	Tulsa	OK	74121
Fee Lessee	Matador Resources Company	Matador Pet. Etal.	5400 LBJ Freeway, Suite 1500	Dallas	ΧL	75240
Fee Lessee	Tom Brown Incorporated	Tom Brown, Inc.	508 W Wall, Suite 500	Midland	ΤX	79701
Notes: The affected parties above received notification of this C-108 application	of this C-108 application.					

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Kaiser-Francis Oil Company PO BOX 21468 TULSA OK 74121-1468

Tom Brown Incorporated 508 W WALL ST STE 500 MIDLAND TX 79701-5062

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Apache Corporation 303 VET AIRPARK LN STE 1000 MIDLAND TX 79705-4572

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Devon Energy Production Company Limited Partnership 333 W SHERIDAN AVE OKLAHOMA CITY OK 73102-5010

New Mexico Oil Conservation District 1 1625 N FRENCH DR HOBBS NM 88240-9273

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