AE Order Number Banner

Application Number: pAZS2308334974

SWD-2527

RAY WESTALL OPERATING, INC. [119305]

RECEIVED:	REVIEWER:	TYPE:	APP NO:	
		ABOVE THIS TABLE FOR OCD DI	/ISION USE ONLY	
	- Geologi	CO OIL CONSERVA Cal & Engineering ancis Drive, Santo	Bureau –	OF MENT OF MENT
		ATIVE APPLICATION		
THIS	CHECKLIST IS MANDATORY FOR AI REGULATIONS WHICH RE	L ADMINISTRATIVE APPLICA QUIRE PROCESSING AT THE		
Applicant: Ray W				D Number: <u>119305</u>
	Tank 32 State Com No.1 SW	D	API:	30-015-28960
Pool: <u>SWD;</u>	Paddock		Pool C	Code: <u>96190</u>
	CATION: Check those	INDICATED BELO	W	HE TYPE OF APPLICATION
A. Location	– Spacing Unit – Simuli		٦	D
[] Com [[] Injec	ne only for [1] or [11] mingling – Storage – M]DHC □CTB □P stion – Disposal – Pressu]WFX □PMX ■S	LC	nced Oil Recover	
A. Offset B. Royal C. Applie D. Notifie E. Notifie F. Surfac G. For all	I REQUIRED TO: Check operators or lease hol ty, overriding royalty or cation requires publishe cation and/or concurre cation and/or concurre concurre of the above, proof o tice required	ders wners, revenue ow ed notice ent approval by SLC ent approval by BL	ners D M	FOR OCD ONLY Notice Complete
	1 : I hereby certify that			

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.

Ben Stone

Print or Type Name

3/23/2023

Date

936-377-5696

Phone Number

ben@sosconsulting.us e-mail Address

Sen Som

Signature

Released to Imaging: 3/24/2023 1:59:57 PM

Oil & Gas Accounting - Regulatory Processing Assistance - Oil Field Technical Assistance

age 3 of 47

March 23, 2023

SOS Consulting, LLC

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

Attn: Mr. Dylan Fuge, Acting Director

Re: Application of Ray Westall Operating, Inc. to permit for salt water disposal RECOMPLETION the Sand Tank 32 State Com Well No.1, API No.30-015-28960 located in Section 32, Township 17 South, Range 30 East, NMPM, Eddy County, New Mexico.

Dear Mr. Fuge,

Please find enclosed form C-108 Application for Authority to Inject, supporting the above-referenced request to RECOMPLETE for disposal, the Sand Tank 32 State Com Well No.1 SWD. The well is currently permitted for SWD into the Wolfcamp and Cisco formations; the proposal is to recomplete it uphole in the Paddock formation for improved injectivity.

Ray Westall Operating seeks to optimize efficiency, both economically and operationally, of its operations. Approval of this application is consistent with that goal as well as the NMOCD's mission of preventing waste and protection of correlative rights.

Published legal notice ran in the March 23, 2023 edition of the Artesia Daily Press and all offset operators and other interested parties have been notified individually. The legal notice affidavit is included herein. This application also includes wellbore schematics, area of review maps, leaseholder plats and other required information for a complete Form C-108. The well is located on state lands and a copy of this application has been submitted to the State Land Office, Oil, Gas and Minerals Division.

I respectfully request that the approval of this salt water disposal well proceed swiftly and if you or your staff requires additional information or has any questions, please do not hesitate to call or email me.

Best regards,

Ben Stone, Partner SOS Consulting, LLC Agent for Ray Westall Operating, Inc.

Cc: Application attachment and file

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: Salt Water Disposal and the application qualifies for administrative approval.
- II. OPERATOR: Ray Westall Operating, Inc. (119305) ADDRESS: P.O. Box 4, Loco Hills, NM 88255

CONTACT PARTY: Donnie Mathews (575) 677-2372 Agent: SOS Consulting, LLC – Ben Stone (936) 377-5696

III. WELL DATA: All well data and applicable wellbore diagrams are ATTACHED hereto.

IV. This is not an expansion of an existing project.

- V. **A map is ATTACHED** 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. A tabulation is ATTACHED of data on all wells of public record within the area of review which penetrate the proposed injection zone. 2 AOR wells penetrate the subject interval; 0 P&A'd. The data includes a description of each well's type, construction, date drilled, location, depth, and schematics of plugged wells illustrating all plugging detail.
- VII. The following data is ATTACHED 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,
- *VIII. Appropriate geologic data on the injection zone is ATTACHED 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. The well may be acidized to clean perforations and formation wall w/ 15% HCl w/ up to 500 gals/100'.
- *X. There is no applicable test data on the well however, any previous well logs have been filed with the Division and they need not be resubmitted. A cross section/ log strip/ offsetting wells; subject interval is ATTACHED.
- *XI. State Engineer's records indicate there are NO water wells within one mile the proposed salt water disposal well.
- XII. An affirmative statement is ATTACHED that available geologic and engineering data has been examined and no evidence was found of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. "Proof of Notice" section on the next page of this form has been completed and ATTACHED. There are 3 offset affected parties (lessees and/or operators) BLM minerals within one-half mile all have been noticed.
- 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: Be	n Stone 🦳	TITLE: SOS Consulting, LLC agent / consulta	nt for Ray	Westall Operating, Inc.
SIGNATURE	- Sen	Jam.	DATE:	3/23/2023

E-MAIL ADDRESS: ben@sosconsulting.us

* 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:

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

Page 2

III. WELL DATA – The following information and data is included and ATTACHED:

- 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 pursuant to the following criteria is ATTACHED.

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.

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 Office

X AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

	PI Number 015-28			² Pool Code 96190		-	³ Pool Na SWD; Pa						
⁴ Property Co	ode				⁵ Property I	Name			6	Well Number			
TBD				Sa	nd Tank 32	State Com				1			
⁷ OGRID N	0.				⁸ Operator 1	Name			9	⁹ Elevation			
11930	5			Ra	y Westall O	perating, Inc.				3624'			
				¹⁰ Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	Eas	t/West line	County			
N	32	17S	30E		660'	FSL	1980'	F	WL	Eddy			
			¹¹ Bo	ttom Hole	e Location If	Different From	n Surface						
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	Eas	t/West line	County			
same													
¹² Dedicated Acres	¹³ Joint of	r Infill ¹⁴ Co	onsolidation (Code ¹⁵ Ord	ler No.	_							
n/a													

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.
			3/17/2023
			Signature Date
		}	
			Ben Stone
			Printed Name
			ben@sosconsulting.us
			E-mail Address
			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.
			_March 28, 1996
			Date of Survey
			Signature and Seal of Professional Surveyor:
1980'			
←	• •		
			Earl Foote
	660'		8278
			Certificate Number
	↓ ↓		

C-108 - Items III, IV, V

Item III - Subject Well Data

Wellbore Diagram - CURRENT Wellbore Diagram – PROPOSED

Item IV – Tabulation of AOR Wells

2 Wells Penetrate the Proposed Injection Interval, 0 P&A (Construction Data for all Active Wells)

Item V – Area of Review Maps

1. Two Mile AOR Map with One-Mile Fresh Water Well Radius

2. One-Half Mile AOR Map

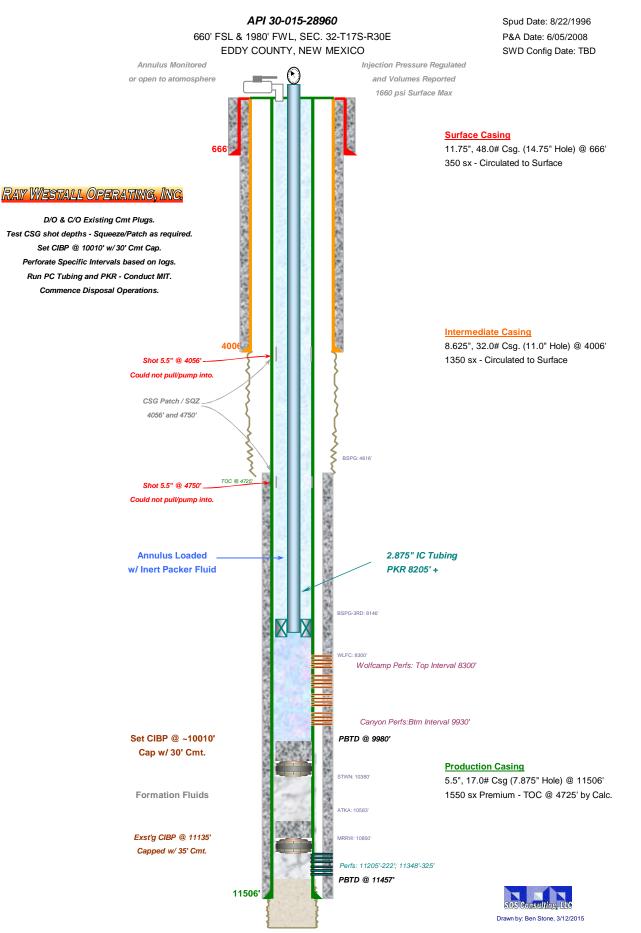
All Above Exhibits follow this page.

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WELL SCHEMATIC - PROPOSED CONFIGURATION

Sand Tank '32' State Com Well No.1 SWD



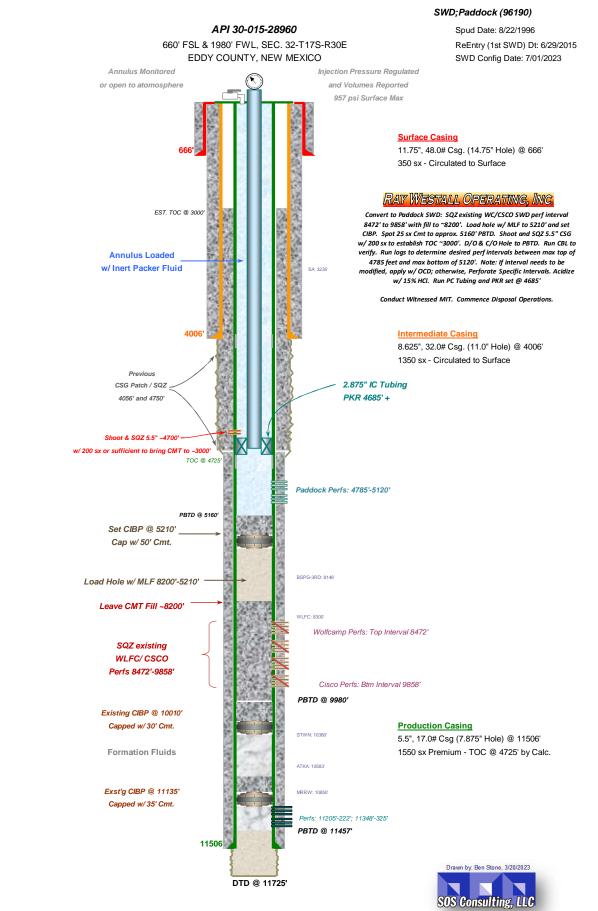
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WELL SCHEMATIC - PROPOSED CONFIGURATION



Sand Tank '32' State Com Well No.1 SWD



Form C-108 Item VI - Tabulation of AOR Wells

Top of Proposed PADDOCK Interval 4785'				2	2 Wells Penetrate Prop	posed Interva	<i>I.</i>	
OGRID Name	Well Name	Туре	Status	Lease	ULSTR	Depth	SPUD Date	Plug Date
RAY WESTALL OPERATING, INC.	SAND TANK 32 STATE SWD #001	SWD	Active	State	N-32-17S-30E	11725'	35299	
	221011414 4002	01	DQ A (CD)	Pedevel	D 24 470 200	2070	12/21/0000	11/1/2002
· ·								
PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #004	UII	P&A (SK)	No Data	I-31-1/5-30E	2889	6/6/1961	4/13/1987
		Oil	D&A (SP)	State	F-32-175-30F	2900'	8/27/19/7	9/20/2002
,			. ,					12/5/2002
,			. ,					11/3/1986
								6/7/1945
								0/7/1343
· · · · · · · · · · · · · · · · · · ·								7050' by tom
								7/15/2002
,								4/4/1940
EOG Y RESOURCES, INC.	SCHEURICH #003	Oil	. ,	State	L-32-17S-30E	2887'		7/24/2002
,	SCHEURICH #009			State	L-32-17S-30E	2907'		7/17/2002
PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #005	Oil	P&A (SR)	No Data	M-32-17S-30E	2972'	6/12/1940	4/2/1945
EOG RESOURCES INC	QUALIFIER BOX STATE #001H	Oil	P&A (SR)	State	M-32-17S-30E	105'	10/28/2014	1/26/2019
EOG Y RESOURCES, INC.	STATE BX #005	Oil	P&A (SR)	State	M-32-17S-30E	2858'	3/20/1945	8/3/1995
EOG Y RESOURCES, INC.	TALLMADGE #001	Oil	P&A (SR)	State	N-32-17S-30E	2850'	11/22/1939	6/4/2003
EOG Y RESOURCES, INC.	TALLMADGE #004	Injection	P&A (SR)	State	N-32-17S-30E	2888'	1/15/1961	8/27/1986
PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #006	Oil	P&A (SR)	No Data	P-32-17S-30E	3688'	6/16/1945	6/10/1970
PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #004	Oil	P&A (SR)	Federal	B-05-18S-30E	2885'	9/16/1941	8/23/1951
PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #003	Oil	P&A (SR)	Federal	C-05-18S-30E	2863'	6/5/1941	12/7/1971
PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #002	Oil	P&A (SR)	Federal	D-05-18S-30E	2860'	12/3/1939	11/2/1971
	OGRID Name RAY WESTALL OPERATING, INC. EOG Y RESOURCES, INC. PRE-ONGARD WELL OPERATOR EOG Y RESOURCES, INC. EOG Y RESOURCES, INC. PRE-ONGARD WELL OPERATOR RAY WESTALL OPERATING, INC. WOLFCAMP SWD perfs: 8510'-9066'; 1 EOG Y RESOURCES, INC. PRE-ONGARD WELL OPERATOR EOG Y RESOURCES, INC. PRE-ONGARD WELL OPERATOR EOG Y RESOURCES, INC. PRE-ONGARD WELL OPERATOR	OGRID Name Well Name RAY WESTALL OPERATING, INC. SAND TANK 32 STATE SWD #001 EOG Y RESOURCES, INC. BRIGHAM #003 PRE-ONGARD WELL OPERATOR PRE-ONGARD WELL #004 EOG Y RESOURCES, INC. SCHEURICH A #005 EOG Y RESOURCES, INC. SCHEURICH B #006 PRE-ONGARD WELL OPERATOR PRE-ONGARD WELL #002 PRE-ONGARD WELL OPERATOR PRE-ONGARD WELL #002 PRE-ONGARD WELL OPERATOR PRE-ONGARD WELL #002 WOLFCAMP SWD perfs: 8510'-9066'; 11.75'' (14.75'' hole) @ 656' w/ 465 sx + 1'' to EOG Y RESOURCES, INC. SCHEURICH #004 PRE-ONGARD WELL OPERATOR PRE-ONGARD WELL #001 EOG Y RESOURCES, INC. SCHEURICH #003 EOG Y RESOURCES, INC. STATE BX #005 EOG Y RESOURCES, INC. TALLMADGE #001 EOG Y RESOURCES, INC. TALLMADGE #004 PRE-ONGARD WELL OPERATOR PRE-ONGARD WELL #006 PRE-ONGARD WELL OPERATOR PRE-ONGARD WELL #006	DGRID Name Weil Name Type RAY WESTALL OPERATING, INC. SAND TANK 32 STATE SWD #001 SWD EOG Y RESOURCES, INC. BRIGHAM #003 Oil PRE-ONGARD WELL OPERATOR PRE-ONGARD WELL #004 Oil EOG Y RESOURCES, INC. SCHEURICH A #005 Oil EOG Y RESOURCES, INC. SCHEURICH A #006 Oil PRE-ONGARD WELL OPERATOR PRE-ONGARD WELL #002 Oil WOLFCAMP SWD perfs: 8510'-9066'; 11.75" (14.75" hole) @ 656' w/ 465 sx + 1" to circ.; 8.625" (1 EOG Y RESOURCES, INC. SCHEURICH #004 Oil PRE-ONGARD WELL OPERATOR PRE-ONGARD WELL #001 Oil Oil OIL PRE-ONGARD WELL OPERATOR PRE-ONGARD WELL #003 Oil OIL EOG Y RESOURCES, INC. SCHEURICH #003 Oil OIL EOG Y RESOURC	DGRID Name Well Name Type Status RAY WESTALL OPERATING, INC. SAND TANK 32 STATE SWD #001 SWD Active EOG Y RESOURCES, INC. BRIGHAM #003 Oil P&A (SR) PRE-ONGARD WELL OPERATOR PRE-ONGARD WELL #004 Oil P&A (SR) EOG Y RESOURCES, INC. 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(SR) No Data 1-32-175-30E 2882' 1/23/1490 PRE-ONGARD WELL #002 OII P&A. (SR) No Data 1-32-175-30E 1280' 5/16(1997) WOLFCAMP SWD perfs: 8510°-9066'; 11.75'' hole/@ 656' w/ 465 sx + 1" to circ.; 8: 625'' (11.0" hole/@ 4002' w/ 13</td></td></t<>	DGRID Name Well Name Type Status Lease RAY WESTALL OPERATING, INC. SAND TANK 32 STATE SWD #001 SWD Active State EOG Y RESOURCES, INC. BRIGHAM #003 Oil P&A (SR) Federal PRE-ONGARD WELL OPERATOR PRE-ONGARD WELL #004 Oil P&A (SR) State EOG Y RESOURCES, INC. SCHEURICH A #005 Oil P&A (SR) State PRE-ONGARD WELL OPERATOR PRE-ONGARD WELL #002 Oil P&A (SR) State PRE-ONGARD WELL OPERATOR PRE-ONGARD WELL #002 Oil P&A (SR) State PRE-ONGARD WELL OPERATOR PRE-ONGARD WELL #002 Oil P&A (SR) State PRE-ONGARD WELL OPERATOR PRE-ONGARD WELL #002 Oil P&A (SR) No Data COG Y RESOURCES, INC. SAND TANK 32 STATE COM #002 SWD Active State WOLFCAMP SWD perfs: 8510'-906C; 11.75' (14.75' hole) @ 656' w/ 465 sx + 1'' to circ.; 8.625'' (11.0'' hole)@ 4002' w/ 1300 sx EOG Y RESOURCES, INC. SCHEURICH #003 Oil P&A (SR) State POG Y RESOURCES, INC. SCHEURICH #003 Oil P&A (SR) State EOG Y RESOURCES, INC. SCHEURICH #003 Oil P&A (SR) State PGG Y RESOURCES, INC. SCHEURICH #003 Oil <	OGRID Name Well Name Type Status Lease ULSTR RAY WESTALL OPERATING, INC. SAND TANK 32 STATE SWD #001 SWD Active State N-32-175-30E EOG Y RESOURCES, INC. BRIGHAM #003 Oil P&A (SR) Federal P-31-175-30E FRE-ONGARD WELL OPERATOR PRE-ONGARD WELL #004 Oil P&A (SR) No Data i-31-175-30E EOG Y RESOURCES, INC. SCHEURICH & #005 Oil P&A (SR) State F-32-175-30E EOG Y RESOURCES, INC. SCHEURICH & #0066 Oil P&A (SR) State F-32-175-30E EOG Y RESOURCES, INC. SCHEURICH B #006 Oil P&A (SR) No Data i-31-175-30E EOG Y RESOURCES, INC. SCHEURICH B #002 Oil P&A (SR) No Data i-32-175-30E RAY WESTALL OPERATOR PRE-ONGARD WELL #002 Oil P&A (SR) No Data i-32-175-30E RAY WESTALL OPERATOR PRE-ONGARD WELL #002 Oil P&A (SR) No Data i-32-175-30E EOG Y RESOURCES, INC. SCHEURICH #003 Oil	OGRID Name Well Name Type Status Lease ULSTR Depth RAY WESTALL OPERATING, INC. SAND TANK 32 STATE SWD #001 SWD Active State N-32-175-30E 11725 EOG Y RESOURCES, INC. BRIGHAM #003 OII P&A (SR) Federal P-31-175-30E 2870' PRE-ONGARD WELL OPERATOR PRE-ONGARD WELL #004 OII P&A (SR) No Data I-31-175-30E 2809' EOG Y RESOURCES, INC. SCHEURICH & #005 OII P&A (SR) State F-32-175-30E 2900' EOG Y RESOURCES, INC. SCHEURICH & #005 OII P&A (SR) State F-32-175-30E 2900' FRE-ONGARD WELL OPERATOR PRE-ONGARD WELL #002 OII P&A (SR) State F-32-175-30E 2882' PRE-ONGARD WELL OPERATOR PRE-ONGARD WELL #002 OII P&A (SR) No Data J-32-175-30E 2175' EOG Y RESOURCES, INC. SCHEURICH #004 OII P&A (SR) State K-32-175-30E 2886' PGO Y RESOURCES, INC. SCHEURICH #003 OII <td>OGRID Name Well Name Type Status Lease ULSTR Depth SPUD Date RAY WESTALL OPERATING, INC. SAND TANK 32 STATE SWD #001 SWD Active State N-32-175-30E 11725 35299 PGG Y RESOURCES, INC. BRIGHAM #003 OII P&A. (SR) Federal P-31-175-30E 2870' 12/31/9999 PRE-ONGARD WELL OPERATOR PRE-ONGARD WELL #004 OII P&A. (SR) No Data 1-31-175-30E 2889' 6/6/1961 EOG Y RESOURCES, INC. SCHEURICH # #005 OII P&A. (SR) State F-32-175-30E 2900' 8/27/1947 EOG Y RESOURCES, INC. SCHEURICH # #006 OII P&A. (SR) State F-32-175-30E 2882' 1/23/1490 PRE-ONGARD WELL OPERATOR PRE-ONGARD WELL #002 OII P&A. (SR) No Data 1-32-175-30E 2882' 1/23/1490 PRE-ONGARD WELL #002 OII P&A. (SR) No Data 1-32-175-30E 1280' 5/16(1997) WOLFCAMP SWD perfs: 8510°-9066'; 11.75'' hole/@ 656' w/ 465 sx + 1" to circ.; 8: 625'' (11.0" hole/@ 4002' w/ 13</td>	OGRID Name Well Name Type Status Lease ULSTR Depth SPUD Date RAY WESTALL OPERATING, INC. SAND TANK 32 STATE SWD #001 SWD Active State N-32-175-30E 11725 35299 PGG Y RESOURCES, INC. BRIGHAM #003 OII P&A. (SR) Federal P-31-175-30E 2870' 12/31/9999 PRE-ONGARD WELL OPERATOR PRE-ONGARD WELL #004 OII P&A. (SR) No Data 1-31-175-30E 2889' 6/6/1961 EOG Y RESOURCES, INC. SCHEURICH # #005 OII P&A. (SR) State F-32-175-30E 2900' 8/27/1947 EOG Y RESOURCES, INC. SCHEURICH # #006 OII P&A. (SR) State F-32-175-30E 2882' 1/23/1490 PRE-ONGARD WELL OPERATOR PRE-ONGARD WELL #002 OII P&A. (SR) No Data 1-32-175-30E 2882' 1/23/1490 PRE-ONGARD WELL #002 OII P&A. (SR) No Data 1-32-175-30E 1280' 5/16(1997) WOLFCAMP SWD perfs: 8510°-9066'; 11.75'' hole/@ 656' w/ 465 sx + 1" to circ.; 8: 625'' (11.0" hole/@ 4002' w/ 13

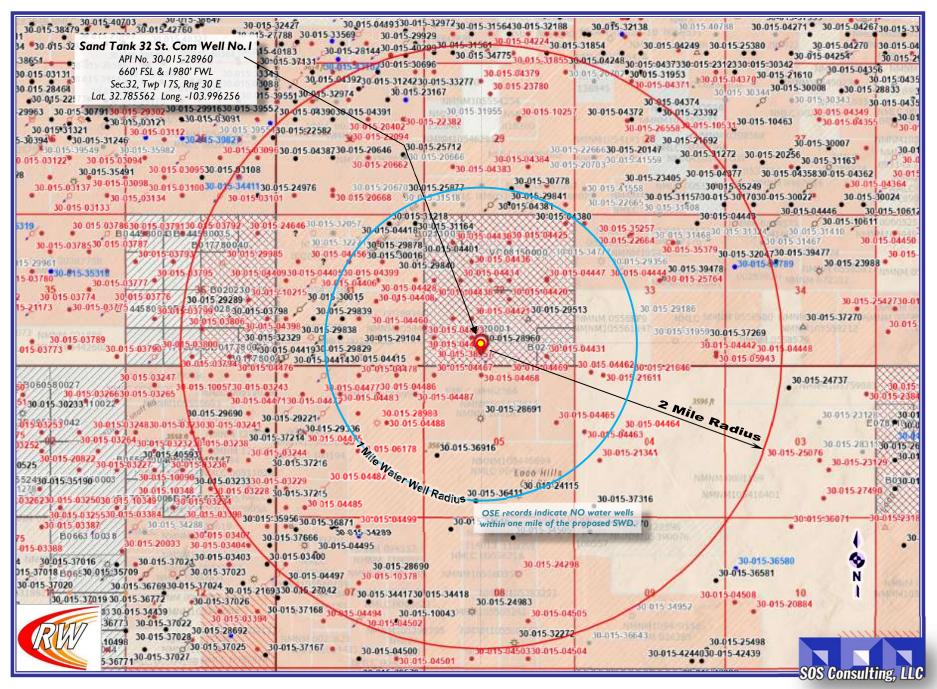
SUMMARY: 2 wells penetrate proposed disposal interval. 0 P&A.



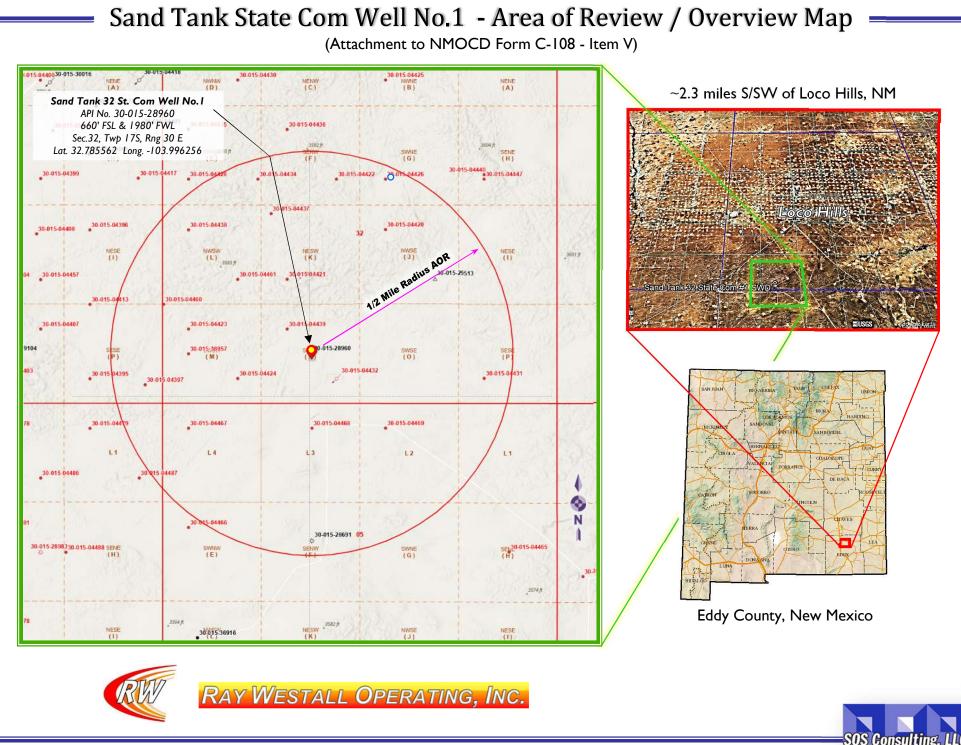
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Sand Tank 32 State Com Well No.1 - Area of Review - 2 Miles

(Attachment to NMOCD Form C-108 - Item V)



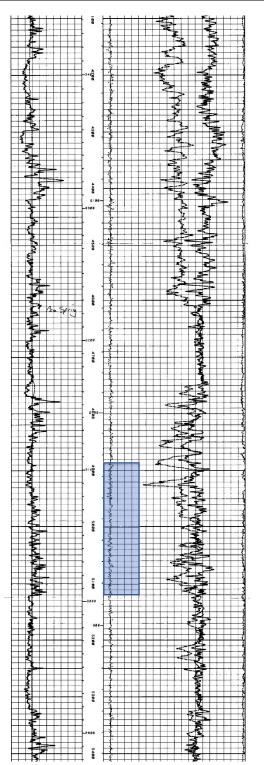
Received by OCD: 3/23/2023 9:01:46 AM



C-108 ITEM X – LOGS and AVAILABLE TEST DATA

Log Strip from the subject well with zone identified.

<u>New logs will be run to positively identify the target intervals</u> within the described maximum top and bottom depths.



Proposed Injection Interval 4785' to 5120'

C-108 ITEM VII – PROPOSED OPERATION

The Sand Tank 32 State Com Well No.1 SWD will be operated as a commercial disposal service to area operators to facilitate in disposal of produced water from typical producing formations in the area. (Samples are included in this application from Artesia Group and Bone Spring formations waters - chlorides and TDS are relative compatible with Paddock (Yeso) formation waters.)

The system will be closed utilizing flowlines from area production and augmented with a tank battery and transport offload facility located on the well site.

Injection pressure will be 957 psi and a maximum rate of 6000 bwpd and an average rate of 3500 bwpd. In the future, Ray Westall Operating, Inc. may opt to conduct a step rate test if it is determined that greater rates may be required. This would be submitted to OCD as a request to increase the injection pressure.

Routine maintenance will be ongoing and any releases will be reported within 24 hours to OCD on form C-141 pursuant to various portions of 19.15.30 NMAC.

The facility will not be manned but will be available to Ray Westall's customers 24/7. The facility will be available for inspections at any time deemed necessary by OCD.

e-Permitting

C-108 Submittal

Attachment Category

Seismicity Analysis

For High Volume Devonian Wells

(NOT APPLICABLE TO THIS APPLICATION)

C-108 ITEM VII – PRODUCED WATER ANAYLSES

Item VII.4 – Water Analysis of Source Zone Water

Tansil-Yates-Seven Rivers Grayburg-San Andres Bone Spring

Item VII.5 – Water Analysis of Disposal Zone Water

Paddock

Water Analyses follow this page.

SOURCE ZONE

Lab ID

ARTESIA GROUP - TNSL-YTS-7RVRS

API No	3001503	3449								Sample		5134
Well Name	SOUTH	LOCC	HILL	S UNI	т	010				Sample	No	
Location	ULSTR	20	18	S	29	E	Lat / Lo	ong	32.73421	-104	.09836	
		1980	Ν	19	80	W				County	Eddy	
Operator	· (when sa	ample	d)									
		Fiel	d	LOC	O HI	LS				Unit F		
Sar	nple Date	1					Analysis Date					
		Sar	nnla S	Sourc	пет				Dopth (if known)		
			ter Ty		031				Deptil (
ph			,					olini	ty_as_caco3_	mal		
ph_ter									ss_as_caco3	_iiigL		
	icgravity		-						ss_mgL			
	icgravity_	temp_l	F						ity_ohm_cm			
tds_m					1	74689			ity_ohm_cm_	temp_		
	IgL_180C								tivity			
chlorid	de_mgL				1	07000	COI	nduc	tivity_temp_F	:		
sodiur	m_mgL						cai	bon	ate_mgL			
calciu	m_mgL						bic	arbo	onate_mgL		1	89
iron_n	ngL						sul	fate	_mgL		10	000
bariun	n_mgL						hyo	lrox	ide_mgL			
magne	esium_mç	gL					h2s	s_m	gL			
potass	sium_mgL	-					coź	2_m	gL			
stronti	ium_mgL						o2_	_mg	L			
manga	anese_mo	gL					ani	onre	emarks			
Remarks												



Lab ID

SOURCE ZONE

ARTESIA GROUP - TNSL-YTS-7RVRS

API No	300150	03042								Sample	ID	5345
Well Name	M DOE	DD A				0	08			Sample	No	
Location	ULSTR	22	17	S	29	Е		Lat / Long	32.81353	-104	.05878	
		330	S	1	650	Е				County	Eddy	
Operator	· (when s	sample	d)									
•	·	Fie		GF	RAYB	URG J	ACKSON			Unit O		
Sar	nple Dat	е					Anal	ysis Date				
		C							Danth (i	f 1 (m = 1 (m)		
			iter Ty		C VVE	ELLHE	AD.		Depth (I	f known)		
			lion ry	٢			•					
ph	_					6.	8		ty_as_caco3_			
ph_ter									ss_as_caco3	_mgL		
specif	icgravity							hardne	ss_mgL			
specif	icgravity	_temp_	F					resistiv	ity_ohm_cm			
tds_m	gL					17871	1	resistiv	ity_ohm_cm_	temp_		
tds_m	gL_1800	2						conduc	tivity			
chlorid	de_mgL					10442	5	conduc	tivity_temp_F	:		
sodiur	n_mgL							carbon	ate_mgL			
calciu	m_mgL							bicarbo	onate_mgL		40	02
iron_n	ngL							sulfate	_mgL		46	00
bariun	n_mgL							hydroxi	de_mgL			
magne	esium_m	ngL						h2s_m	gL			
potass	sium_mg	ιL						co2_m	gL			
stronti	um_mgL	-						o2_mg	L			
manga	anese_m	ngL						anionre	emarks			
Remarks												



SOURCE ZONE

GRAYBURG-SAN ANDRES Lab ID Sample ID 5366 API No 3001502873 Sample No Well Name GULF STATE 002 Location ULSTR 03 29 Е Lat / Long 32.86987 -104.06746 17 S 330 Ν 990 W Eddy County **Operator (when sampled)** Field SQUARE LAKE Unit 4 Sample Date Analysis Date Sample Sourc WELLHEAD Depth (if known) Water Typ ph alkalinity_as_caco3_mgL ph_temp_F hardness_as_caco3_mgL specificgravity hardness_mgL specificgravity temp F resistivity_ohm_cm tds_mgL resistivity_ohm_cm_temp 109000 tds_mgL_180C conductivity chloride_mgL 63070 conductivity_temp_F sodium mgL carbonate mgL calcium_mgL bicarbonate_mgL 339 iron_mgL sulfate_mgL 3538 barium_mgL hydroxide_mgL magnesium_mgL h2s_mgL co2_mgL potassium_mgL strontium_mgL o2_mgL manganese_mgL anionremarks Remarks



SOURCE ZONE

BONE SPRING

NE SPRING	;								Lab ID		
API No	300152	7288							Sample	ID	5975
Well Name	COLT I	FEDER	AL		001				Sample	No	
Location	ULSTR	04	20	S 28	Е	Lat	/ Long	32.59869	-104	.17523	
		990	S	660	Е				County	Eddy	
Operator	(when s	ampled	4)	OXY U	SA INC						
-		Fiel			ILLMAN R	ANCH			Unit P		
Sam	ple Date	9		4/9/199	8	Analysis D	ate	4/2	22/1998		
			nple S					Depth (if	^k nown)		
		Wa	ter Ty	C							
ph					7.22		alkalinity	y_as_caco3_n	ngL		
ph_tem	np_F						hardnes	s_as_caco3_	mgL		
specific	cgravity				1.004		hardnes	s_mgL			
specific	cgravity_	temp_F					resistivi	ty_ohm_cm			
tds_mg	gL				6037.86		resistivi	ty_ohm_cm_te	emp_l		
tds_mg	gL_180C	;					conduct	tivity			
chloride	e_mgL				3352.36		conduct	tivity_temp_F			
sodium	_mgL				2217.84		carbona	ite_mgL		0	
calciun	n_mgL				26.104		bicarbor	nate_mgL		220.88	
iron_m	gL				36.144		sulfate_	mgL		141.564	
barium	_mgL				0.0502		hydroxic	de_mgL			
magne	sium_m	gL			6.024		h2s_mg	۱L			
potassi	ium_mgl	L			58.232		co2_mg	۱L			
strontiu	ım_mgL				3.012		o2_mgL				
manga	nese_m	gL					anionrei	marks			
Remarks	·										

(Produced water data courtesy of NMT Octane NM WAIDS database.)



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Lab ID

C-108 Item VII.5 - Produced Water Data Ray Westall Operating, Inc. - Sand Tank 32 State Com SWD #1 DISPOSAL ZONE

PADDOCK

							Lab ID		
API No	3001529903						Sample	e ID	6010
Well Name	MCINTYRE A			011			Sample	No	
Location	ULSTR 20	17	S 30	Е	Lat / Long	32.81716	-103	.98804	
	1650	S	990	Е	_		County	Eddy	
Operator	(when sample	d)	MACK	ENERGY					
	Fie						Unit 1		
San	nple Date		5/17/200	0	Analysis Date	5/2	26/2000		
	_								
		mple S				Depth (i	f known)		
	VVa	ater Ty	þ						
ph				7.5	alkalinit	y_as_caco3_	mgL		
ph_ten	np_F				hardnes	ss_as_caco3	_mgL		
specifi	cgravity			1.138	hardnes	ss_mgL			
specifi	cgravity_temp_	F			resistivi	ity_ohm_cm			
tds_m	gL			205800	resistivi	ity_ohm_cm_	temp_		
tds_m	gL_180C				conduc	tivity			
chlorid	le_mgL			140084	conduc	tivity_temp_F	:		
sodiun	n_mgL			83237.9	carbona	ate_mgL		0	
calciur	n_mgL			5012.89	bicarbo	nate_mgL		283.362	
iron_m	ngL			6.828	sulfate_	_mgL		3206.88	
barium	ı_mgL			0.2276	hydroxi	de_mgL			
magne	esium_mgL			1610.27	h2s_m	gL		3.414	
potass	ium_mgL			690.766	co2_mį	gL			
stronti	um_mgL			67.142	o2_mgl	L			
manga	anese_mgL				anionre	marks			
Remarks									



C-108 Item VII.5 - Produced Water Data

Ray Westall Operating, Inc. - Sand Tank 32 State Com SWD #1

DISPOSAL ZONE

Lab ID

PADDOCK

										Lab ID		
API No	3001530	0329								Sample		5831
Well Name	SINCLA	IR PA	RKE			002				Sample	No	
Location	ULSTR	22	17	s	30	Е	Lat	/ Long	32.82076	-103	.96219	
	:	2310	Ν	1	650	W				County	Eddy	
Operator	(when sa	amplee	d)	MA	ACK E	NERGY						
		Fiel	d	LO	со н	ILLS				Unit F		
San	nple Date			7/24	1/2000)	Analysis D	ate	8/	10/2000		
		-		_								
			nple S ter Ty		5				Depth (i	f known)		
		vva	ler ry	φ								
ph						6.9		alkalinit	y_as_caco3_	mgL		
ph_ten	np_F							hardnes	ss_as_caco3	_mgL		
specifi	cgravity					1.129		hardnes	ss_mgL			
specifi	cgravity_	temp_l	F					resistivi	ty_ohm_cm			
tds_m	gL					191874		resistivi	ty_ohm_cm_	temp_		
tds_m	gL_180C							conduc	tivity			
chlorid	le_mgL					127771		conduct	tivity_temp_F			
sodiun	n_mgL					74575		carbona	ate_mgL		0	
calciur	m_mgL					5339.04		bicarbo	nate_mgL		2575.25	
iron_m	ngL					19.193		sulfate_	mgL		3511.19	
barium	n_mgL					0.3387		hydroxi	de_mgL			
magne	esium_mç	gL				2398		h2s_mg	μL		45.16	
potass	ium_mgL	-				401.924		co2_mg	JL			
stronti	um_mgL					34.999		o2_mgl	-			
manga	anese_mę	gL						anionre	marks			
Remarks												

(Produced water data courtesy of NMT Octane NM WAIDS database.)



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C-108 ITEM VIII GEOLOGIC INFORMATION

The Paddock member (Upper Yeso) is composed of anhydritic dolomite with interbedded siltstones and fine-grained sandstones. The Paddock in the Loco Hills/ Maljamar area is a poor conventional reservoir with average porosity of 7.5% and permeability ranging from 0-350 md (Bishop, 2014). Much of the geologic analysis has focused on petrophysical and geophysical studies due to limited data for the Upper Yeso in the general area. Overall thickness averages 100 to 300 feet in the area. There appears to be some decent porosity in the proposed injection interval located from approximately 4785 feet to 5120 feet with some very good porosity interspersed throughout the overall interval.

The Paddock is overlain by some tighter Upper Yeso and then transitions to the Glorieta and the San Andres. It is underlain by the Bone Spring and then Wolfcamp formations.

New logs will be run to determine the best specific intervals within the proposed maximum interval. If the overall interval needs to be adjusted, Ray Westall Operating will apply for a permit modification to reflect the adjustment.

There are no known sources of water <10,000 mg/l TDS which underlie the injection zones.

Production in the area is generally from shallower Artesia Group formations. The AOR wells largely are completed in the the Grayburg Jackson; SR-Q-G-SA Pool, Pool ID 28509. Farther out from the proposed SWD, completions are in the 7Rrvs-Qn-GB-Glorieta-Yeso Pool, Pool ID 97558 and more recently horizontals in the Bone Spring but not yet within one mile of the proposed SWD.

There are NO domestic water wells within one mile of the proposed SWD well. There is a potential source of drinking water in the overlying sands occurring at a depth from surface of up to 250 feet but averaging 80 feet in 17S-30E. The upper part of the section on average consists of 200 ft of Holocene alluvial deposits of caliche, sand, gravel, and clay. Included in this interval are red sandstone and shale of the Chinle formation and Santa Rosa sandstone and similar deposits of the Dewey Lake formation. These formations are underlain by the Rustler and Salado formations.

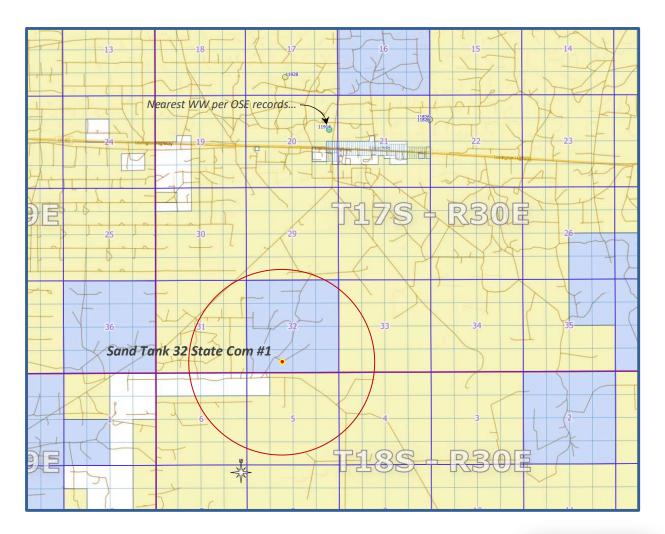
C-108 Item XI

Water Wells Within One Mile

Sand Tank 32 State Com No.1 SWD - Water Well Locator Map

There are NO water wells shown within one mile radius of proposed SWD. (As indicated by NM Office of the State Engineer's OSE POD Locations in SOS GIS application.)

Depth to GW for 17S-30E is average 80 feet; well depths range from 85 feet to 104 feet for 6 well records in the township.









New Mexico Office of the State Engineer Active & Inactive Points of Diversion

(with Ownership Information)

No PODs found.

PLSS Search:

Section(s): 28-33

Township: 17S Range: 30E

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.





New Mexico Office of the State Engineer Active & Inactive Points of Diversion

(with Ownership Information)

No PODs found.

PLSS Search:

Section(s): 4-6

Township: 17S 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.



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)	(qua						IE 3=SW largest)	-	3 UTM in meters)		(In feet	t)
POD Number	POD Sub- Code basin (County		Q 16			Tws	Rng	x	Y	-	-	Water Column
RA 11914 POD1	RA	ED				20	17S		594801	3632002 🌍	85	80	5
RA 13106 POD2	RA	ED	4	2	3	01	17S	30E	600406	3636426 🌍			
RA 13106 POD3	RA	ED	4	2	3	01	17S	30E	600381	3636421 🌍			
RA 13212 POD1	RA	СН	1	3	4	11	17S	30E	598984	3634474 🌍			
RA 13213 POD1	RA	СН	2	2	1	24	17S	30E	600489	3632575 🌍	101		
RA 13233 POD1	RA	ED	3	3	1	06	17S	30E	591790	3636711 🌍	104		
										Average Depth to	Water:	80 f	eet
										Minimum	Depth:	80 f	eet
										Maximum	Depth:	80 f	eet
Record Count: 6													

Record Count: 6

PLSS Search:

Township: 17S Range: 30E

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.

C-108 ITEM XII – GEOLOGIC AFFIRMATION

We have examined available geologic and engineering data and have found no evidence of open faults or other hydrologic connection between the disposal interval and any underground sources of drinking water.

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Ben Stone, Partner SOS Consulting, LLC

Project: Ray Westall Operating, Inc. Sand Tank 32 State Com No.1 SWD Reviewed 3/16/2022

C-108 ITEM XIII – PROOF OF NOTIFICATION

IDENTIFICATION AND NOTIFICATION OF AFFECTED PARTIES

Exhibits for Section

Affected Parties Map

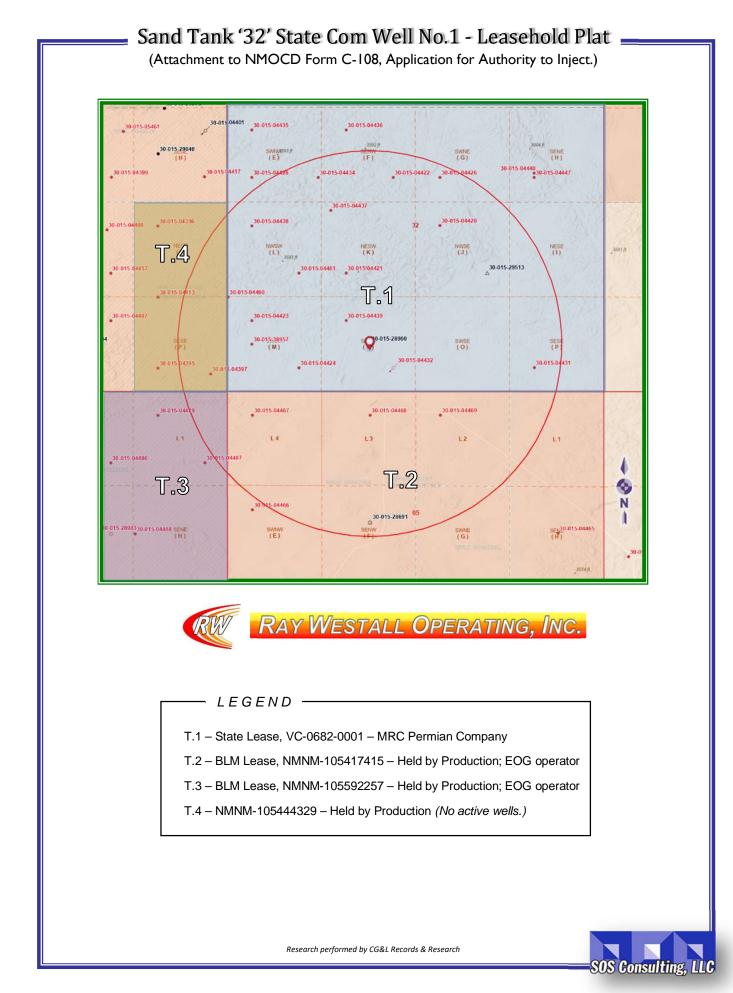
List of Affected Parties

Notification Letter to Affected Parties

Instructions for PDF Document Access

Proof of Certified Mailing

Affidavit Published Legal Notice



C-108 ITEM XIII – PROOF OF NOTIFICATION AFFECTED PARTIES LIST

ALL AFFECTED PARTIES ARE PROVIDED A NOTICE LETTER VIA US CERTIFIED MAIL CONTAINING UNIQUE 6 CHARACTER DOCUMENT ACCESS CODES FOR SECURE DOWNLOAD OF A PDF COPY OF THE SUBJECT C-108 APPLICATION. AFFECTED PARTIES MAY ALSO REQUEST A PDF COPY VIA SENT EMAIL.

"AFFECTED PERSON" MEANS THE DIVISION DESIGNATED OPERATOR; IN THE ABSENCE OF AN OPERATOR, A LESSEE WHOSE INTEREST IS EVIDENCE BY A WRITTEN CONVEYANCE DOCUMENT EITHER OF RECORD OR KNOWN TO THE APPLICANT AS OF THE DATE THE APPLICANT FILES THE APPLICATION; OR IN THE ABSENCE OF AN OPERATOR OR LESSEE, A MINERAL INTEREST OWNER WHOSE INTEREST IS EVIDENCED BY A WRITTEN CONVEYANCE DOCUMENT EITHER OF RECORD OR KNOWN TO THE APPLICANT AS OF THE DATE THE APPLICANT FILED THE APPLICATION FOR PERMIT TO INJECT.; PER OCD RULES NMAC 19.15.26.7, A. AND 19.15.26.8, B.2.

SURFACE OWNER

1 STATE OF NEW MEXICO Oil, Gas and Minerals Division 310 Old Santa Fe Trail Santa Fe, NM 87504 Certified Mail: 7018 1130 0000 8738 2612

OFFSET MINERALS LESSEES and OPERATORS (All Notified via USPS Certified Mail)

State Lease VC-0682-0001

Lessee MATADOR PRODUCTION COMPANY (*MRC Permian NM Leases*) 5400 LBJ Freeway, Ste.1500 Dallas, TX 75240 **Operator** RAY WESTALL OPERATING, INC. (Applicant) P.O. Box 4 Loco Hills, NM 88255

BLM Leases NMNM-105417415; 105592257 (T.2 and T.3 on plat.) Lessee & Operator EOG RESOURCES, INC. P.O. Box 2267 Midland, TX 79702 Certified: 7018 1130 0000 8738 2629

BLM Lease NMNM-105444329 (T.4 on plat.) Lessee – Held by Production, No Active Wells Nearest Operator

- 3 J&J INVESTMENTS P.O. Box 39 Loco Hills, NM 88255 Certified: 7018 1130 0000 8738 2636
- 4 U.S. DEPARTMENT OF INTERIOR Bureau of Land Management Oil & Gas Division 620 E. Greene St. Carlsbad, NM 88220 Certified: 7018 1130 0000 8738 2643

2

C-108 ITEM XIII – PROOF OF NOTIFICATION INTERESTED PARTIES LIST (cont.)

REGULATORY

NEW MEXICO OIL CONSERVATION DIVISION (Filed via OCD Online e-Permitting) 1220 S. St. Francis Dr. Santa Fe, NM 87505

NEW MEXICO STATE LAND OFFICE Commissioner of Public Lands Oil, Gas and Minerals Division 310 Old Santa Fe Trail Santa Fe, NM

RWO, INC. SAND TANK 32 #1 SWD

Doc Access Codes:

USPS Certified Tracking: 7018 1130 0000 8738 2612, 7018 1130 0000 8738 2629, 7018 1130 0000 8738 2636, 7018 1130 0000 8738 2643

HIDDEN

Oil & Gas Accounting - Regulatory Processing Assistance - Oil Field Technical Assistance

March 20, 2023

SOS Consulting, LLC

NOTIFICATION TO INTERESTED PARTIES via U.S. Certified Mail

To Whom It May Concern:

Ray Westall Operating, Inc., Loco Hills, New Mexico, is making application to the New Mexico Oil Conservation Division to RECOMPLETE for salt water disposal its Sand Tank 32 State Com Well No.1. The proposed commercial operation will be for produced water disposal from area operators. As indicated in the notice below, the well is in Section 32, Township 17 South, Range 30 East in Eddy County, New Mexico.

The well is currently completed as a Wolfcamp/ Cisco SWD. The published notice states that the interval will be from 4785 feet to 5120 feet in the Paddock formation.

Following is the notice to be published in the Artesia Daily Press, Artesia, New Mexico on or about March 23, 2023.

LEGAL NOTICE

Ray Westall Operating, Inc., P.O. Box 4, Loco Hills, NM 88255 is filing Form C-108 (Application for Authority to Inject) with the New Mexico Oil Conservation Division for administrative approval to permit for salt water disposal in its Sand Tank 32 State Com Well No.1. The well, API No.30-015-28960 is located 660 FSL & 1980 FWL in Section 32, Township 17 South, Range 30 East in Eddy County, New Mexico It is currently permitted for SWD in the Wolfcamp and Canyon formations. The proposal is to RECOMPLETE uphole and produced water from area production will be commercially disposed into the into the Paddock formation through perforations between a maximum top of 4785 feet to maximum depth of 5120 feet (specific perforated intervals to be determined based on logs) at a maximum injection pressure of 957 psi and a maximum rate of 6000 bwpd and an average rate of 3500 bwpd.

Interested parties wishing to object to the proposed application must file with the New Mexico Oil Conservation Division, 1220 St. Francis Dr., Santa Fe, NM 87505, (505)476-3460 within 15 days of the date of this notice. Additional information may be obtained from the applicant's agent, SOS Consulting, LLC, (936) 377-5696 or, email *info@sosconsulting.us*.

You have been identified as a party who may be interested as an offset lessee or operator.

<u>You are entitled to a full copy of the application</u>. SOS Consulting has deployed a new app for the explicit secure delivery of a full PDF copy of the application. Any user employed with <u>Affected Party</u> may log into the system and when prompted for a *Document Access Code*, enter **1234XX** to View or Download the document as desired. Using the *SOS Client and Affected Party Document Access* app takes about one minute, start to finish – instructions are included, and only name, email and company name are needed to access the system.

Thank you for your attention in this matter.

Best regards,

Ben Stone, SOS Consulting, LLC Agent for Ray Westall Operating, Inc.

Cc: Application File

User Information for the SOS Client & Affected Party Portal

Thank you for using the new SOS Document Portal. This system allows for the **secure delivery of all types of applications and any resulting permits**. The system is built in and stored in the cloud using the best available platforms and code for a secure and robust app. We hope you appreciate our efforts to reduce printed paper copies and deliver pertinent documents in a much more efficient way. <u>If you're a client, you may use the portal</u> to view all the applications that SOS Consulting, LLC has generated on behalf of you or your organization.

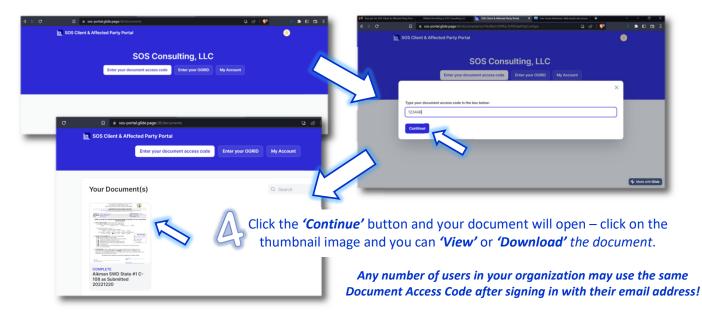


<u>Become a user of the site</u> by entering your email address and basic info for your profile – minimal information is required although we ask that you provide your company name so we may view who and which companies have reviewed a particular document.

(Please note that nothing is done with your information - it is only for access to this portal.)

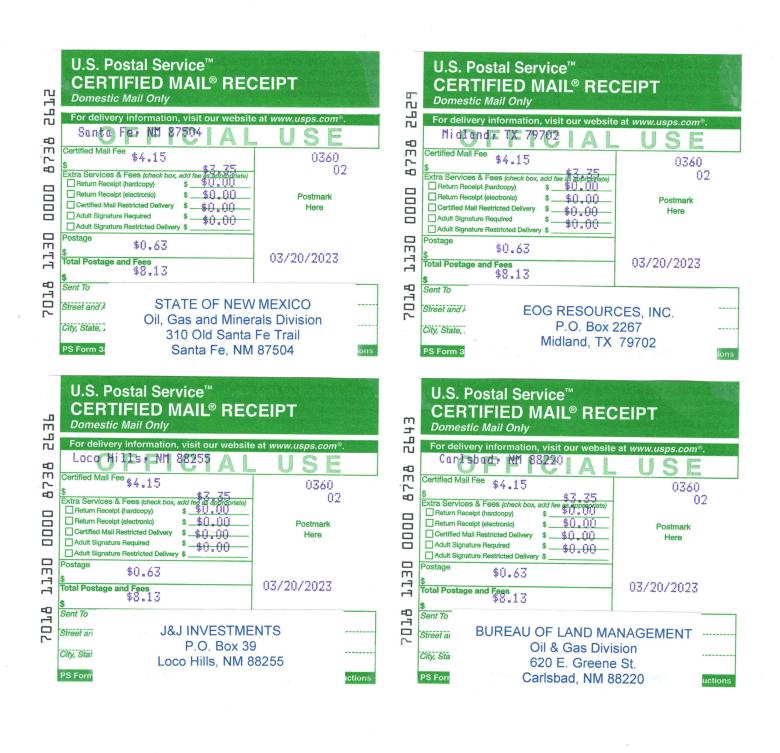
Each time you log into the SOS Portal, you will be sent a pin code for **2-Step Verification** to your email within 15 seconds. Enter the code for access to the portal.

The SOS portal will open to your user page or the portal home. If you don't see this screen, simply click on the SOS Client & Affected Party title and the home page will open. This page allows you to enter a 'Document Access Code' or if a client, 'Enter your OGRID'. (When entering an OGRID, you will also be prompted for a Client ID for security – SOS Consulting will have already provided this to its clients.) Note: The unique Document Access Code is provided in your 'Notice Letter to Affected Parties'.



C-108 - Item XIV

Proof of Notice (Certified Mail Receipts)



C-108 - Item XIV

Proof of Notice – Legal Notice Newspaper of General Circulation

Legal Notice

Ray Westall Operating, Inc., P.O. Box 4, Loco Hills, NM 88255 is filing Form C-108 (Application for Authority to Inject) with the New Mexico Oil Conservation Division for administrative approval to permit for salt water disposal in its Sand Tank 32 State Com Well No.1. The well, API No.30-015-28960 is located 660 FSL & 1980 FWL in Section 32, Township 17 South, Range 30 East in Eddy County, New Mexico It is currently permitted for SWD in the Wolfcamp and Canyon formations. The proposal is to RE-COMPLETE uphole and produced water from area production will be commercially disposed into the into the Paddock formation through perforations between a maximum top of 4785 feet to maximum depth of 5120 feet (specific perforated intervals to be determined based on logs) at a maximum injection pressure of 957 psi and a maximum rate of 6000 bwpd and an average rate of 3500 bwpd.

Interested parties wishing to object to the proposed application must file with the New Mexico Oil Conservation Division, 1220 St. Francis Dr., Santa Fe, NM 87505, (505)476-3460 within 15 days of the date of this notice. Additional information may be obtained from the applicant's agent, SOS Consulting, LLC, (936) 377-5696, info@sosconsulting.us.

Published in the Artesia Daily Press, Artesia, N.M., March 23, 2023 Legal No. 26479.

The above is the "Proof Copy" sent from the Artesia Daily Press.

This is provided in the Affected Party Copy for timely publication.

OCD requires the actual affidavit of publication be included in the final version for filing through OCD's e-Permitting Online System.

	Ne	o.	26479
State of N	lew Mexico	1	
County of	f Eddy:	A-	2
Danny	Scott /	my Noe	
being duly	y sworn sayes that	the is the	Publisher
of the Art	esia Daily Press,	a daily newspaper of	General
circulatio	n, published in Er	nglish at Artesia, said	county
and state,	and that the here	to attached	
	Legal	Ad	
was publi	shed in a regular	and entire issue of th	e said
or stream	enters i la constanti se	newspaper duly qua	
		meaning of Chapter	
12		the state of New Mex	
1		eeks/day on the same	
day as fo			
First Pub		March 23, 20	023
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Third Pul	blication		
Fourth Pu	ablication		
Fifth Pub	lication		(a.
Sixth Put	olication		
Seventh	Publication		
Subscribe	ed and sworn befo	ore me this	
23rd	day of	March	2023
	1 -	•	_
	NOTAI Latist	NEW MEXICO RY PUBLIC ha Romine Number 1076338 Expires May 12, 2023	
	2		

Notary Public, Eddy County, New Mexico

Copy of Publication:

Legal Notice Ray Westall Operating, Inc., P.O. Box 4, Loco Hills, NM 88255 is filing Form C-108 (Application for Au-thority to Inect) with the New Mexico Oil Conservation Division for administrative approval to permit for salt water disposal in its Sand Tank 32 State Com Well No.1. The well, API No.30-015-28960 is located 660 FSL & 1980 FWL in Section 32, Township 17 South, Range 30 East in Eddy County, New Mexico It is currently permitted for SWD in the Wolfcamp and Canyon formations. The proposal is to RE-COMPLETE uphole and produced water from area production will be commercially disposed into the into the Paddock formation through perforations between a maximum top of 4785 feet to maximum depth of 5120 feet (specific perforated intervals to be determined based on logs) at a maximum injection pressure of 957 psi and a maximum rate of 6000 bwpd and an average rate of 3500 bwpd.

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Published in the Artesia Daily Press, Artesia, N.M., March 23, 2023 Legal No. 26479.

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 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 Office

X AMENDED REPORT

		WE	ELL LO	CATION	NAND A	CRE	LAGE DEDIC	ATION PLA	T		
30-		² Pool Code 96190		³ Pool Name SWD; Paddock							
⁴ Property (⁴ Property Code ⁵ Property Name							⁶ Well Number			
TBD				Sa	nd Tank 3	32 St	tate Com				1
⁷ OGRID		⁸ Operator Name						⁹ Elevation			
11930			Ra	y Westall	stall Operating, Inc. 3624'						
¹⁰ Surface Location											
UL or lot no.	Section	Township	Range	Lot Idn	Feet from	1 the	North/South line	Feet from the	East	/West line	County
Ν	32	17S	30E		660')' FSL 1980' FWL Edd					Eddy
	"Bottom Hole Location If Different From Surface										

			- D0		e Location n	Different From	II Sullace		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
same									
¹² Dedicated Acres	¹³ Joint or	Infill ¹⁴ C	onsolidation	Code ¹⁵ Or	der No.	-			
n/a									

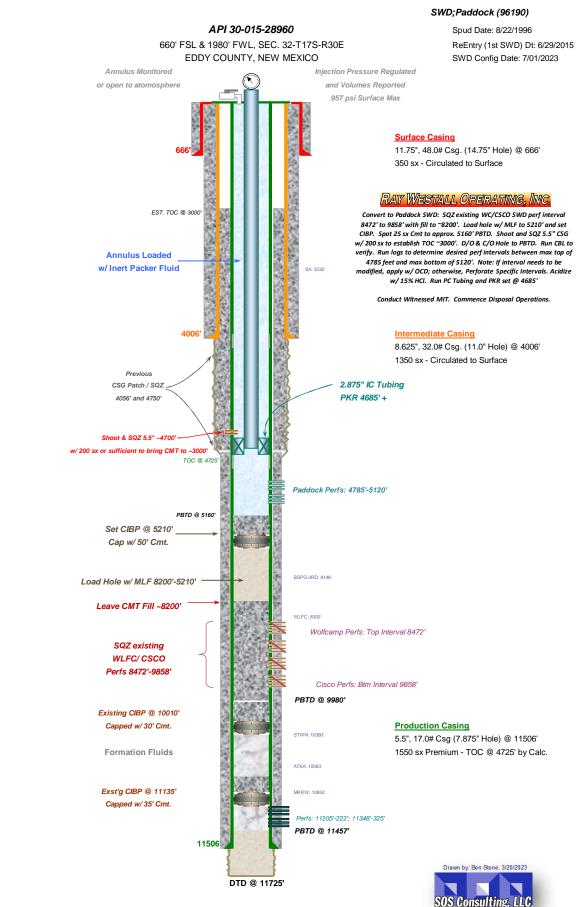
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

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.
			3/17/2023
			Signature Date
			Ben Stone
			Printed Name
			ben@sosconsulting.us
			E-mail Address
		-	¹⁸ SURVEYOR CERTIFICATION
			<i>I hereby certify that the well location shown on this</i>
			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.
			March 28, 1996
			Date of Survey
			Signature and Seal of Professional Surveyor:
1980'			
~	o		
	Ĩ		Earl Foote
	660'		8278
			Certificate Number
	↓		

Received by OCD: 3/23/2023 9:01:46 AM

WELL SCHEMATIC - PROPOSED CONFIGURATION

Sand Tank '32' State Com Well No.1 SWD



C-108 ITEM XIII – PROOF OF NOTIFICATION

IDENTIFICATION AND NOTIFICATION OF AFFECTED PARTIES

Exhibits for Section

Affected Parties Map

List of Affected Parties

Notification Letter to Affected Parties

Instructions for PDF Document Access

Proof of Certified Mailing

Affidavit Published Legal Notice

C-108 - Items III, IV, V

Item III - Subject Well Data

Wellbore Diagram - CURRENT Wellbore Diagram – PROPOSED

Item IV – Tabulation of AOR Wells

2 Wells Penetrate the Proposed Injection Interval, 0 P&A (Construction Data for all Active Wells)

Item V – Area of Review Maps

1. Two Mile AOR Map with One-Mile Fresh Water Well Radius

2. One-Half Mile AOR Map

All Above Exhibits follow this page.

Form C-108 Item VI - Tabulation of AOR Wells

	Top of Proposed PADDOCK Interval 4785'				2	Wells Penetrate Prop	oosed Interva	<i>I.</i>	
API <u>Subject Well</u>	OGRID Name	Well Name	Туре	Status	Lease	ULSTR	Depth	SPUD Date	Plug Date
30-015-28960	RAY WESTALL OPERATING, INC.	SAND TANK 32 STATE SWD #001	SWD	Active	State	N-32-17S-30E	11725'	35299	
Section 31 Wells		DDICUARA #002	01	DQ A (CD)	Pedevel	D 34 470 305	2070	12/21/0000	11/1/2002
30-015-04397	EOG Y RESOURCES, INC.	BRIGHAM #003	Oil	P&A (SR)	Federal	P-31-17S-30E	2870'	12/31/9999	
30-015-04460	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #004	Oil	P&A (SR)	No Data	I-31-17S-30E	2889'	6/6/1961	4/13/1987
<u>Section 32 Wells</u> 30-015-04434	EOG Y RESOURCES, INC.	SCHEURICH A #005	Oil	P&A (SR)	State	E-32-17S-30E	2900'	8/27/1947	9/20/2002
30-015-04422	EOG Y RESOURCES, INC.	SCHEURICH B #006	Oil	P&A (SR)	State	F-32-175-30E	2893'	3/29/1940	12/5/2002
30-015-04426	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #002	Oil	P&A (SR)	State	G-32-175-30E	2882'	1/23/1940	11/3/1986
30-015-04420	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #002	Oil	P&A (SR)	No Data	J-32-175-30E	3160'	4/14/1945	6/7/1945
30-015-29513	RAY WESTALL OPERATING, INC.	SAND TANK 32 STATE COM #002	SWD	Active	State	J-32-175-30E	11750'	5/16/1997	0/7/1545
50 015 15515	· · · · · · · · · · · · · · · · · · ·	1.75" (14.75" hole) @ 656' w/ 465 sx + 1" to							7950' hu temi
30-015-04437	EOG Y RESOURCES, INC.	SCHEURICH #004	Oil	P&A (SR)	State	K-32-17S-30E	2886'	4/2/1941	7/15/2002
30-015-04421	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #001	Oil	P&A (SR)	No Data	K-32-17S-30E	2950'	2/13/1940	4/4/1940
30-015-04438	EOG Y RESOURCES, INC.	SCHEURICH #003	Oil	P&A (SR)	State	L-32-17S-30E	2887'	8/14/1940	7/24/2002
30-015-04461	EOG Y RESOURCES, INC.	SCHEURICH #009	Oil	P&A (SR)	State	L-32-17S-30E	2907'	10/18/1962	7/17/2002
				. ,					
30-015-04423	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #005	Oil	P&A (SR)	No Data	M-32-17S-30E	2972'	6/12/1940	4/2/1945
	PRE-ONGARD WELL OPERATOR EOG RESOURCES INC	PRE-ONGARD WELL #005 QUALIFIER BQX STATE #001H	Oil Oil	P&A (SR) P&A (SR)	No Data State	M-32-17S-30E M-32-17S-30E	2972' 105'	6/12/1940 10/28/2014	4/2/1945 1/26/2019
30-015-38957									
30-015-38957 30-015-04424	EOG RESOURCES INC	QUALIFIER BQX STATE #001H	Oil	P&A (SR)	State	M-32-17S-30E	105'	10/28/2014	1/26/2019
30-015-38957 30-015-04424 30-015-04439	EOG RESOURCES INC EOG Y RESOURCES, INC.	QUALIFIER BQX STATE #001H STATE BX #005	Oil Oil	P&A (SR) P&A (SR)	State State	M-32-17S-30E M-32-17S-30E	105' 2858'	10/28/2014 3/20/1945	1/26/2019 8/3/1995
30-015-04423 30-015-38957 30-015-04424 30-015-04439 30-015-04432 30-015-04431	EOG RESOURCES INC EOG Y RESOURCES, INC. EOG Y RESOURCES, INC.	QUALIFIER BQX STATE #001H STATE BX #005 TALLMADGE #001	Oil Oil Oil	P&A (SR) P&A (SR) P&A (SR)	State State State	M-32-17S-30E M-32-17S-30E N-32-17S-30E	105' 2858' 2850'	10/28/2014 3/20/1945 11/22/1939	1/26/2019 8/3/1995 6/4/2003
30-015-38957 30-015-04424 30-015-04439 30-015-04432 30-015-04431	EOG RESOURCES INC EOG Y RESOURCES, INC. EOG Y RESOURCES, INC. EOG Y RESOURCES, INC.	QUALIFIER BQX STATE #001H STATE BX #005 TALLMADGE #001 TALLMADGE #004	Oil Oil Oil Injection	P&A (SR) P&A (SR) P&A (SR) P&A (SR) P&A (SR)	State State State State	M-32-17S-30E M-32-17S-30E N-32-17S-30E N-32-17S-30E	105' 2858' 2850' 2888'	10/28/2014 3/20/1945 11/22/1939 1/15/1961	1/26/2019 8/3/1995 6/4/2003 8/27/1986
30-015-38957 30-015-04424 30-015-04439 30-015-04432 30-015-04431 Section 5 Wells	EOG RESOURCES INC EOG Y RESOURCES, INC. EOG Y RESOURCES, INC. EOG Y RESOURCES, INC.	QUALIFIER BQX STATE #001H STATE BX #005 TALLMADGE #001 TALLMADGE #004	Oil Oil Oil Injection	P&A (SR) P&A (SR) P&A (SR) P&A (SR) P&A (SR)	State State State State	M-32-17S-30E M-32-17S-30E N-32-17S-30E N-32-17S-30E	105' 2858' 2850' 2888'	10/28/2014 3/20/1945 11/22/1939 1/15/1961	1/26/2019 8/3/1995 6/4/2003 8/27/1986
30-015-38957 30-015-04424 30-015-04439 30-015-04432 30-015-04431 Section 5 Wells 30-015-04469	EOG RESOURCES INC EOG Y RESOURCES, INC. EOG Y RESOURCES, INC. EOG Y RESOURCES, INC. PRE-ONGARD WELL OPERATOR	QUALIFIER BQX STATE #001H STATE BX #005 TALLMADGE #001 TALLMADGE #004 PRE-ONGARD WELL #006	Oil Oil Oil Injection Oil	P&A (SR) P&A (SR) P&A (SR) P&A (SR) P&A (SR)	State State State State No Data	M-32-17S-30E M-32-17S-30E N-32-17S-30E N-32-17S-30E P-32-17S-30E	105' 2858' 2850' 2888' 3688'	10/28/2014 3/20/1945 11/22/1939 1/15/1961 6/16/1945	1/26/2019 8/3/1995 6/4/2003 8/27/1986 6/10/1970
30-015-38957 30-015-04424 30-015-04439 30-015-04432	EOG RESOURCES INC EOG Y RESOURCES, INC. EOG Y RESOURCES, INC. EOG Y RESOURCES, INC. PRE-ONGARD WELL OPERATOR PRE-ONGARD WELL OPERATOR	QUALIFIER BQX STATE #001H STATE BX #005 TALLMADGE #001 TALLMADGE #004 PRE-ONGARD WELL #006 PRE-ONGARD WELL #004	Oil Oil Injection Oil	P&A (SR) P&A (SR) P&A (SR) P&A (SR) P&A (SR) P&A (SR)	State State State State No Data	M-32-17S-30E M-32-17S-30E N-32-17S-30E N-32-17S-30E P-32-17S-30E B-05-18S-30E	105' 2858' 2850' 2888' 3688' 2885'	10/28/2014 3/20/1945 11/22/1939 1/15/1961 6/16/1945	1/26/2019 8/3/1995 6/4/2003 8/27/1986 6/10/1970 8/23/1951

SUMMARY: 2 wells penetrate proposed disposal interval. 0 P&A.



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C-108 ITEM VII – PRODUCED WATER ANAYLSES

Item VII.4 – Water Analysis of Source Zone Water

Tansil-Yates-Seven Rivers Grayburg-San Andres

Item VII.5 – Water Analysis of Disposal Zone Water

Paddock

Water Analyses follow this page.

e-Permitting

C-108 Submittal

Attachment Category

Seismicity Analysis

For High Volume Devonian Wells

(NOT APPLICABLE TO THIS APPLICATION)

C-108 ITEM VII – PROPOSED OPERATION

The Sand Tank 32 State Com Well No.1 SWD will be operated as a commercial disposal service to area operators to facilitate in disposal of produced water from typical producing formations in the area. (Samples are included in this application from Artesia Group and Bone Spring formations waters - chlorides and TDS are relative compatible with Paddock (Yeso) formation waters.)

The system will be closed utilizing flowlines from area production and augmented with a tank battery and transport offload facility located on the well site.

Injection pressure will be 957 psi and a maximum rate of 6000 bwpd and an average rate of 3500 bwpd. In the future, Ray Westall Operating, Inc. may opt to conduct a step rate test if it is determined that greater rates may be required. This would be submitted to OCD as a request to increase the injection pressure.

Routine maintenance will be ongoing and any releases will be reported within 24 hours to OCD on form C-141 pursuant to various portions of 19.15.30 NMAC.

The facility will not be manned but will be available to Ray Westall's customers 24/7. The facility will be available for inspections at any time deemed necessary by OCD.

C-108 ITEM VIII GEOLOGIC INFORMATION

The Paddock member (Upper Yeso) is composed of anhydritic dolomite with interbedded siltstones and fine-grained sandstones. The Paddock in the Loco Hills/ Maljamar area is a poor conventional reservoir with average porosity of 7.5% and permeability ranging from 0-350 md (Bishop, 2014). Much of the geologic analysis has focused on petrophysical and geophysical studies due to limited data for the Upper Yeso in the general area. Overall thickness averages 100 to 300 feet in the area. There appears to be some decent porosity in the proposed injection interval located from approximately 4785 feet to 5120 feet with some very good porosity interspersed throughout the overall interval.

The Paddock is overlain by some tighter Upper Yeso and then transitions to the Glorieta and the San Andres. It is underlain by the Bone Spring and then Wolfcamp formations.

New logs will be run to determine the best specific intervals within the proposed maximum interval. If the overall interval needs to be adjusted, Ray Westall Operating will apply for a permit modification to reflect the adjustment.

There are no known sources of water <10,000 mg/l TDS which underlie the injection zones.

Production in the area is generally from shallower Artesia Group formations. The AOR wells largely are completed in the the Grayburg Jackson; SR-Q-G-SA Pool, Pool ID 28509. Farther out from the proposed SWD, completions are in the 7Rrvs-Qn-GB-Glorieta-Yeso Pool, Pool ID 97558 and more recently horizontals in the Bone Spring but not yet within one mile of the proposed SWD.

There are NO domestic water wells within one mile of the proposed SWD well. There is a potential source of drinking water in the overlying sands occurring at a depth from surface of up to 250 feet but averaging 80 feet in 17S-30E. The upper part of the section on average consists of 200 ft of Holocene alluvial deposits of caliche, sand, gravel, and clay. Included in this interval are red sandstone and shale of the Chinle formation and Santa Rosa sandstone and similar deposits of the Dewey Lake formation. These formations are underlain by the Rustler and Salado formations.

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462 State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Operator:	OGRID:
RAY WESTALL OPERATING, INC.	119305
P.O. Box 4	Action Number:
Loco Hills, NM 88255	200067
	Action Type:
	[C-108] Fluid Injection Well (C-108)

CONDITIONS

Created By	Condition	Condition Date
mgebremichael	None	3/24/2023

Action 200067