

Initial Application Part I

Received: 05/11/2022

This application is placed in file for record. It MAY or MAY NOT have been reviewed to be determined Administratively Complete

GG7EP-220511-C-1080

RECEIVED: 05/11/2022	REVIEWER:	TYPE: SWD	APP NO: pJZT2215941507
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

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



ADMINISTRATIVE APPLICATION CHECKLIST

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

Applicant: Spur Energy Partners, LLC **OGRID Number:** 328947
Well Name: Chase 21 State SWD No.1 **API:** 30-015-30874
Pool: SWD; Cisco **Pool Code:** 96099

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

1) **TYPE OF APPLICATION:** Check those which apply for [A] SWD-2484

A. Location – Spacing Unit – Simultaneous Dedication
 NSL NSP (PROJECT AREA) NSP (PRORATION UNIT) SD

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

[I] Commingling – Storage – Measurement
 DHC CTB PLC PC OLS OLM

[II] Injection – Disposal – Pressure Increase – Enhanced Oil Recovery
 WFX PMX SWD IPI EOR PPR

2) **NOTIFICATION REQUIRED TO:** Check those which apply.

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

<u>FOR OCD ONLY</u>	
<input type="checkbox"/>	Notice Complete
<input type="checkbox"/>	Application Content Complete

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

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

Ben Stone
 Print or Type Name

Signature

5/02/2022
 Date

903-488-9850
 Phone Number

ben@sosconsulting.us
 e-mail Address

May 2, 2022

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

Attn: Ms. Adriene Sandoval, Director

Re: Application of Spur Energy Partners, LLC to reinstate and otherwise permit for salt water disposal its Chase 21 State Com Well No.1 SWD, located in Section 21, Township 17 South, Range 29 East, NMPM, Eddy County, New Mexico.

Dear Ms. Sandoval,

Please find the enclosed form C-108 Application for Authority to Inject, supporting the above-referenced request to permit for disposal the Chase 21 State Com No.1. The well was previously authorized by another operator for salt water disposal by division order SWD-1007. The subject well is one of hundreds acquired in the last few years and the previous operator had let this well go inactive. By reinstating the SWD, the applicant's area production and leases will remain economic. The well will only take Spur's water from area operations.

Spur Energy Partners, LLC seeks to optimize efficiency, both economically and operationally, of all its operations in southeast New Mexico. 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 April 21, 2022, edition of the Artesia Daily Press and offset operators and other affected parties have been notified individually. All required information and attachments are included for a complete Form C-108. The well is located on state land and minerals.

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 Spur Energy Partners, LLC

Cc: Application attachment and file

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: ***SWD Reinstatement*** and the application ***qualifies*** for administrative approval.
- II. OPERATOR: ***Spur Energy Partners, LLC (Ogrid – 328947)***
ADDRESS: ***9655 Katy Freeway, Ste.500, Houston, Texas 77024***
- CONTACT PARTY: ***Sarah Chapman, Spur Regulatory Director (832) 930-8502***
Agent: SOS Consulting, LLC – Ben Stone (903) 488-9850
- 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. ***(NO (0) AOR wells penetrate the subject interval.)*** *The data includes a description of each well's type, construction, date drilled, location, depth, and a schematic of any plugged well 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, studies, nearby wells, etc.).
- *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 w/ approximately 5000 gals 15% HCl.***
- *X. ***A log strip of the subject well is annotated and is ATTACHED.***
- *XI. ***State Engineer's records indicate there are NO water wells within one mile the proposed SWD.***
- 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 NO offset operators; state and federal minerals within one mile – SLO and BLM 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: ***Ben Stone*** TITLE: ***SOS Consulting, LLC agent / consultant for Spur Energy Partners, LLC***

SIGNATURE:  DATE: ***5/02/2022***

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:

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.

C-108 - Items III, IV, V

Item III - Subject Well Data

Wellbore Diagram – PROPOSED

Item IV – Tabulation of AOR Wells

NO (0) AOR Wells Penetrate the Proposed Injection Interval.

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.

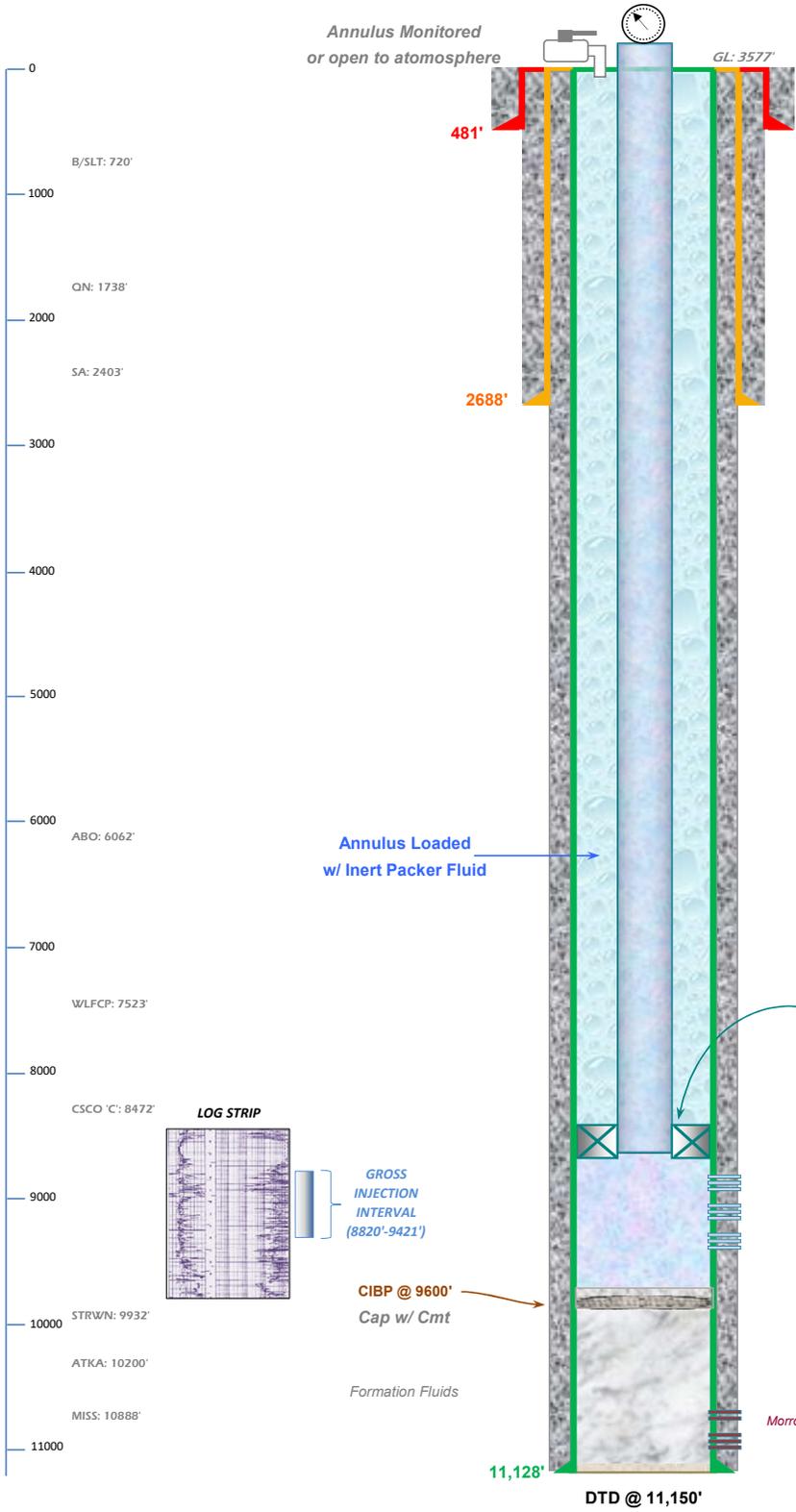
WELL SCHEMATIC - PROPOSED
Chase 21 State Well No.1 SWD

API 30-015-30874

660' FSL & 810' FWL, SEC. 21-T17S-R29E
 EDDY COUNTY, NEW MEXICO

SWD; Cisco (96099)

Spud Date: 1/2304/2000
 Config SWD Dt: Converted 2005
 Reinstate: **ASAP 6/01/2022**



Injection Pressure Regulated and Volumes Reported
 1764 psi Max. Surface (0.2 psi/ft)

Surface Casing

11.75", 42.0# J-55 STC Csg. (14.75" Hole) @ 481'
 300 sx - Circulated to Surface

Intermediate Casing

8.625", 32.0# J-55 Csg. (11.0" Hole) @ 2688'
 800 sx - Circulated to Surface

SPUR ENERGY PARTNERS, LLC

Reinstate SWD Status:
 Spot / Dump 35' Cement on Existing CIBP.
 Acidize w/ up to ~5000 gals 15% HCl
 Run PC Tubing and PKR - Conduct Witnessed MIT.
 Commence Disposal Operations.

Cisco Perfs - 8820'-9421'

Production Casing

5.5", 17.0# J-55 Csg. (7.875" Hole) @ 11,128';
 950 sx 'C' - TOC 2635' by Temp.

Morrow test perfs: 10,703'-10,778'

Drawn by: Ben Stone, 4/19/2022

Form C-108 Item VI - Tabulation of AOR Wells

Top of Proposed CISCO Interval 8820'

NO (0) Wells Penetrate Proposed Interval.

API	Current Operator	Well Name	Well Number	Type	Lease	Status	ULSTR	Depth	Plugged On
<u>Subject Well</u>									
30-015-30874	[328947] Spur Energy Partners LLC	CHASE 21 STATE COM	#001	SWD	State	Active	M-21-17S-29E	11150'	
<u>Section 21 Wells</u>									
30-015-36056	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#184	Oil	State	Active	F-21-17S-29E	5473'	
30-015-37052	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#252	Oil	State	Active	F-21-17S-29E	5501'	
30-015-26838	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#101	Oil	State	Active	J-21-17S-29E	4450'	
30-015-37670	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#163	Oil	State	Active	J-21-17S-29E	5575'	
30-015-03025	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#003	Oil	State	P&A-R	K-21-17S-29E	2279'	1/1/1900
30-015-10754	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#033	Injection	State	Active	K-21-17S-29E	3700'	
30-015-26840	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#100	Oil	State	Active	K-21-17S-29E	5536'	
30-015-27259	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#106	Oil	State	Active	K-21-17S-29E	5050'	
30-015-29180	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#140	Oil	State	Active	K-21-17S-29E	7500'	
30-015-35455	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#149	Oil	State	Active	K-21-17S-29E	5515'	
30-015-03021	[13837] MACK ENERGY CORP	G J WEST COOP UNIT	#034	Oil	State	P&A-R	L-21-17S-29E	4028'	4/5/2000
30-015-27377	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#107	Oil	State	Active	L-21-17S-29E	5068'	
30-015-35654	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#164	Oil	State	Active	L-21-17S-29E	5540'	
30-015-37151	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#257	Oil	State	Active	L-21-17S-29E	5498'	
30-015-37862	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#307	Oil	State	Active	L-21-17S-29E	5545'	
30-015-03023	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#001	Oil	State	P&A-R	M-21-17S-29E	3004'	1/1/1900
30-015-26839	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#102	Oil	State	Active	M-21-17S-29E	4450'	
30-015-27257	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#104	Oil	State	Active	M-21-17S-29E	5050'	
30-015-35580	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#158	Oil	State	Active	M-21-17S-29E	5868'	
30-015-36227	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#190	Oil	State	Active	M-21-17S-29E	5535'	
30-015-37438	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#258	Oil	State	Active	M-21-17S-29E	5512'	
30-015-25633	[229137] COG OPERATING LLC	G J WEST COOP UNIT	#080	Oil	State	P&A-R	N-21-17S-29E	4490'	9/9/2014
30-015-10820	[13837] MACK ENERGY CORP	G J WEST COOP UNIT	#022	Oil	State	P&A-R	N-21-17S-29E	2900'	7/26/2005
30-015-03027	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#004	Oil	State	P&A-R	N-21-17S-29E	2751'	1/1/1900
30-015-25610	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#082	Oil	State	Active	N-21-17S-29E	5579'	
30-015-29298	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#141	Oil	State	Active	N-21-17S-29E	5530'	
30-015-10797	[229137] COG OPERATING LLC	G J WEST COOP UNIT	#023	Oil	State	P&A-R	O-21-17S-29E	2867'	6/21/2017
30-015-25466	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#073	Oil	State	Active	O-21-17S-29E	4460'	
30-015-25691	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#081	Oil	State	Active	O-21-17S-29E	4660'	
30-015-28513	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#131	Oil	State	Active	O-21-17S-29E	5562'	



Form C-108 Item VI - Tabulation of AOR Wells (cont.)

Section 20 Wells

30-015-30919	[372210] LONGFELLOW ENERGY, LP	STATE 20 B	#002	Oil	State	Active	H-20-17S-29E	4994'	
30-015-30921	[372210] LONGFELLOW ENERGY, LP	STATE 20 B	#004	Oil	State	Active	H-20-17S-29E	4916'	
30-015-33097	[372210] LONGFELLOW ENERGY, LP	STATE 20 B	#015	Oil	State	Active	H-20-17S-29E	4312'	
30-015-33156	[372210] LONGFELLOW ENERGY, LP	STATE 20 B	#016	Oil	State	Active	H-20-17S-29E	4500'	
30-015-03017	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#005	Oil	State	P&A-R	I-20-17S-29E	2245'	1/1/1900
30-015-30724	[328947] Spur Energy Partners LLC	MUSKEGON SOUTH STATE	#001	Oil	State	Active	I-20-17S-29E	4308'	
30-015-30732	[328947] Spur Energy Partners LLC	MUSKEGON SOUTH STATE	#002	Oil	State	Active	I-20-17S-29E	4370'	
30-015-31950	[328947] Spur Energy Partners LLC	MUSKEGON SOUTH STATE	#003	Oil	State	Active	I-20-17S-29E	4380'	
30-015-31951	[328947] Spur Energy Partners LLC	MUSKEGON SOUTH STATE	#004	Oil	State	Active	I-20-17S-29E	4373'	
30-015-30675	[328947] Spur Energy Partners LLC	RINCON STATE	#003	Oil	State	Active	J-20-17S-29E	4335'	
30-015-31054	[372210] LONGFELLOW ENERGY, LP	STATE 20 B	#010	Oil	State	Active	O-20-17S-29E	5000'	
30-015-32687	[372210] LONGFELLOW ENERGY, LP	STATE 20 B	#012	Oil	State	Active	O-20-17S-29E	4500'	
30-015-03018	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#007	Oil	State	P&A-R	O-20-17S-29E	2173'	1/1/1900
30-015-30860	[229137] COG OPERATING LLC	RINCON STATE	#002	Oil	State	P&A-R	P-20-17S-29E	4355'	10/28/2014
30-015-30652	[328947] Spur Energy Partners LLC	RINCON STATE	#001	Oil	State	Active	P-20-17S-29E	4410'	
30-015-31810	[328947] Spur Energy Partners LLC	RINCON STATE	#005	Oil	State	Active	P-20-17S-29E	4510'	
30-015-32063	[328947] Spur Energy Partners LLC	RINCON STATE	#006	Oil	State	Active	P-20-17S-29E	4474'	

Section 28 Wells

30-015-36285	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#194	Oil	State	Active	B-28-17S-29E	5467'	
30-015-10827	[229137] COG OPERATING LLC	G J WEST COOP UNIT	#011	Injection	State	P&A-R	E-28-17S-29E	2760'	2/26/2018
30-015-35483	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#150	Oil	State	Active	E-28-17S-29E	5510'	
30-015-10826	[13837] MACK ENERGY CORP	G J WEST COOP UNIT	#014	Oil	State	P&A-R	F-28-17S-29E	2850'	4/4/2001
30-015-28210	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#121	Oil	State	Active	F-28-17S-29E	5570'	

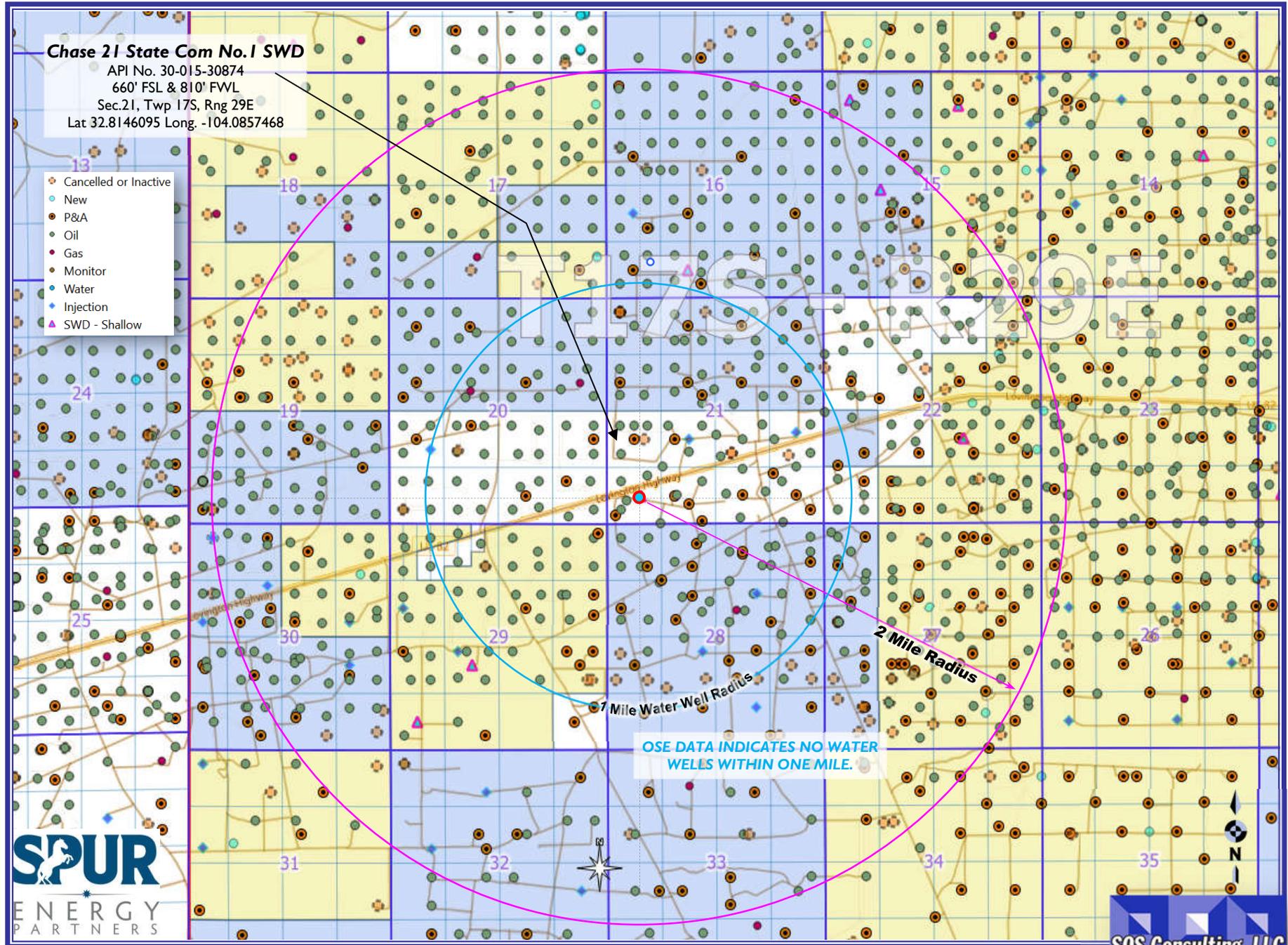
Section 29 Wells

30-015-03179	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#001	Oil	Federal	P&A-R	A-29-17S-29E	2266'	1/1/1900
30-015-30697	[328947] Spur Energy Partners LLC	WHITE STAR FEDERAL	#010	Oil	Federal	Active	A-29-17S-29E	4410'	
30-015-30931	[328947] Spur Energy Partners LLC	WHITE STAR FEDERAL	#014	Oil	Federal	Active	A-29-17S-29E	4470'	
30-015-32247	[328947] Spur Energy Partners LLC	WHITE STAR FEDERAL	#020	Oil	Federal	Active	A-29-17S-29E	5551'	
30-015-32250	[328947] Spur Energy Partners LLC	WHITE STAR FEDERAL	#022	Oil	Federal	Active	A-29-17S-29E	4423'	
30-015-32135	[229137] COG OPERATING LLC	WHITE STAR FEDERAL	#018	Oil	Federal	P&A-R	H-29-17S-29E	4530'	7/30/2018

SUMMARY: NO wells penetrate the proposed disposal interval.

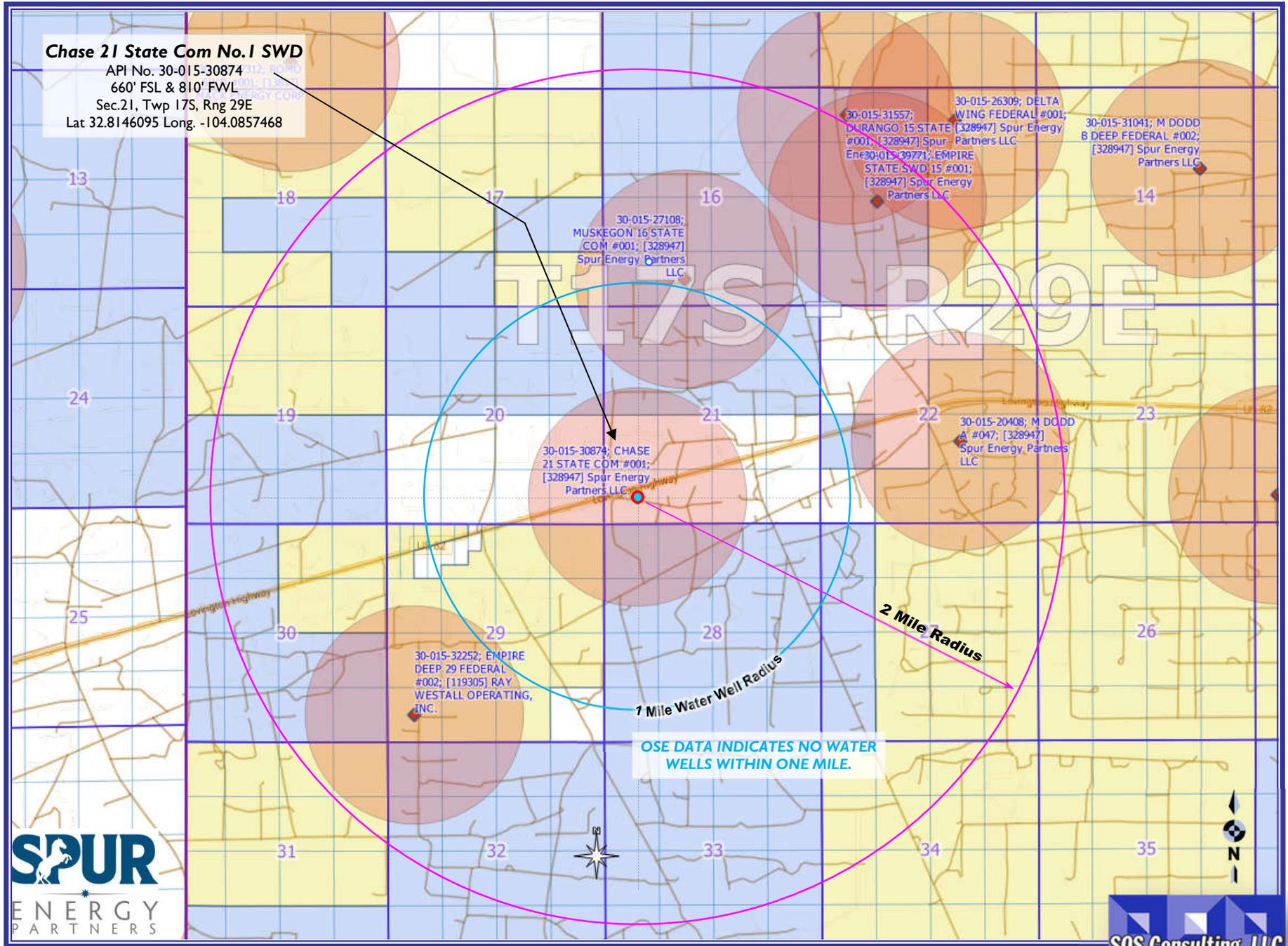
Chase 21 State Com No.1 SWD - Area of Review / 2 Miles

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



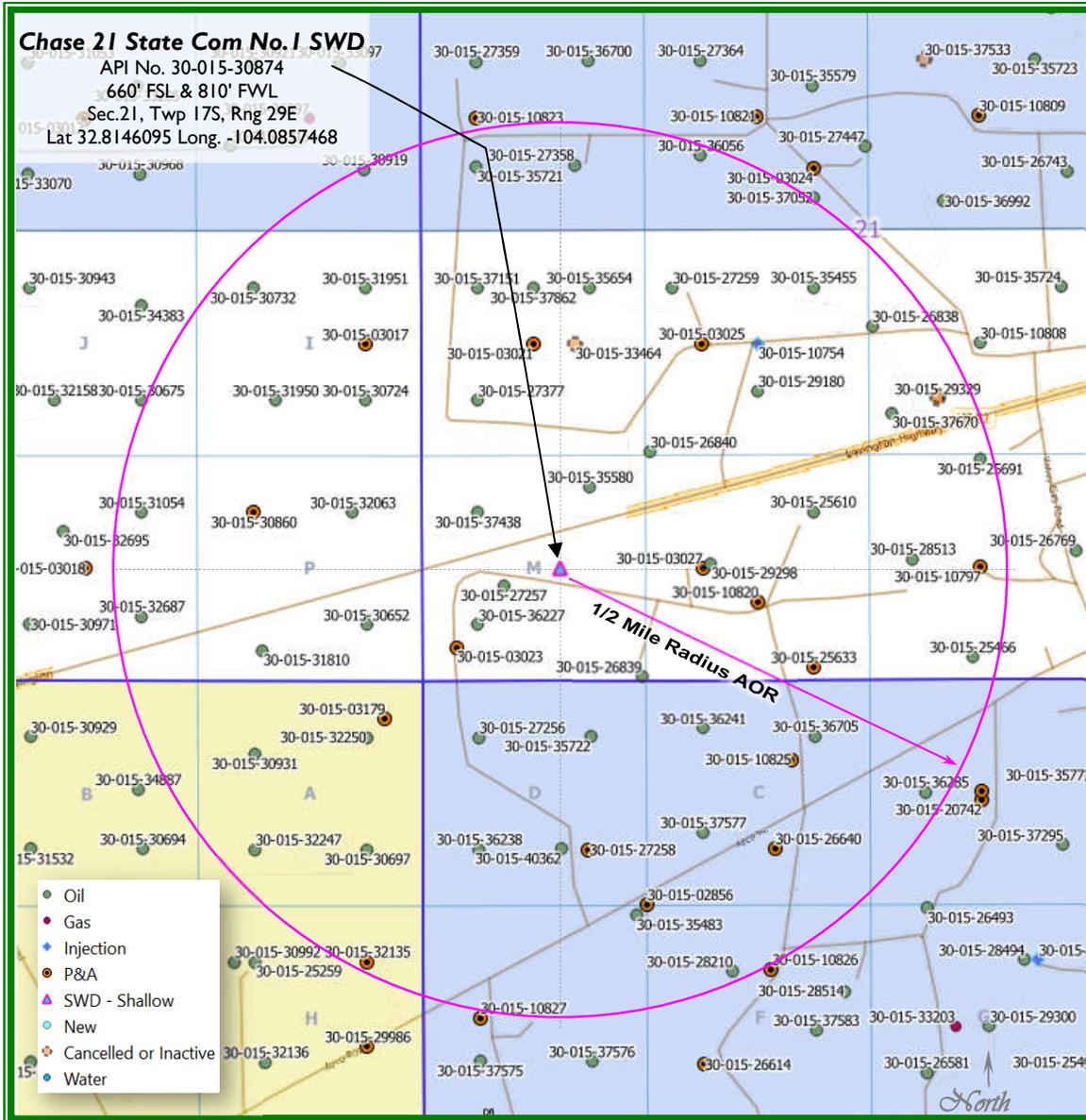
Chase 21 State Com No.1 SWD - Area of Review / 2 Miles / SWDs in Area

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

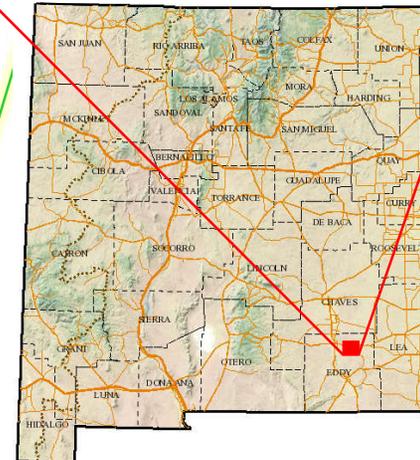


Chase 21 State Com No.1 SWD - Area of Review / Overview Map

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



~5.2 miles West of Loco Hills, NM



Eddy County, New Mexico

**C-108 ITEM X – LOGS
and AVAILABLE TEST DATA**

A Log Strip from the Subject Well Covering
the Zone of Interest with Annotations is Attached.

LOG STRIP FOLLOWS



**DUAL INDUCTION FOCUSED LOG
GAMMA RAY LOG**

FILE NO: 9134	COMPANY WELL FIELD COUNTY	EOG RESOURCES, INC CHASE 21 STATE COM # 1 EMPIRE SOUTH EDDY	STATE NM
API NO: 30-015-30874	LOCATION: 680' FSL & 810' FWL	SEC 21 TWP 17S RGE 29E	OTHER SERVICES ZDL-C/CN/GR MAC FMT
Ver. 3.74 FINAL PRINT	G.L. _____ ELEVATION 3604 FT K.B. _____ 22 FT ABOVE P.D. K.B. _____	ELEVATIONS: KB 3626 FT DF 3625 FT GL 3604 FT	
PERMANENT DATUM			
LOG MEASURED FROM			
DRILL MEAS. FROM			
DATE	16-FEB-2000		
RUN	TRIP	1	1
SERVICE ORDER		290197	
DEPTH DRILLER		11150 FT	
DEPTH LOGGER		10956 FT	
BOTTOM LOGGED INTERVAL		10953 FT	
TOP LOGGED INTERVAL		2682 FT	
CASING-DRILLER		8.625 IN	2688 FT
CASING LOGGER		2682 FT	
BIT SIZE		7.875 IN	
TYPE OF FLUID IN HOLE		XCD/PAC	
DENSITY		9.1 LB/G	50 S
PH		10	6.8 C3
SOURCE OF SAMPLE		CIRC. TANK	
RM AT MEAS. TEMP.		1.4 OHMM	67 DEGF
RMF AT MEAS. TEMP.		1.1 OHMM	67 DEGF
RMC AT MEAS. TEMP.		1.75 OHMM	67 DEGF
SOURCE OF RMF		RMC	MEASURED
RM AT BHT		.70 OHMM	139 DEGF
TIME SINCE CIRCULATION		6 HOURS	
MAX. RECORDED TEMP.		139 DEGF	
EQUIP. NO.	LOCATION	HL-6611	HOBBBS, NM
RECORDED BY		M. BACA	
WITNESSED BY		CORRY STEWART	

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE CUSTOMER THE BENEFIT OF THEIR BEST JUDGEMENT. BUT SINCE ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS, WE CANNOT, AND WE DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATION. WE SHALL NOT BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COST, DAMAGES, OR EXPENSES WHATSOEVER INCURRED OR SUSTAINED BY THE CUSTOMER RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR EMPLOYEES.

BIT SIZE	FROM	TO
14.75 IN	0 FT	451 FT
11 IN	451 FT	2688 FT
7.875 IN	2688 FT	11150 FT

SIZE	WEIGHT	GRADE	FROM	TO
11.75 IN			0 FT	451 FT
8.625 IN			0 FT	2688 FT
5.5 IN				

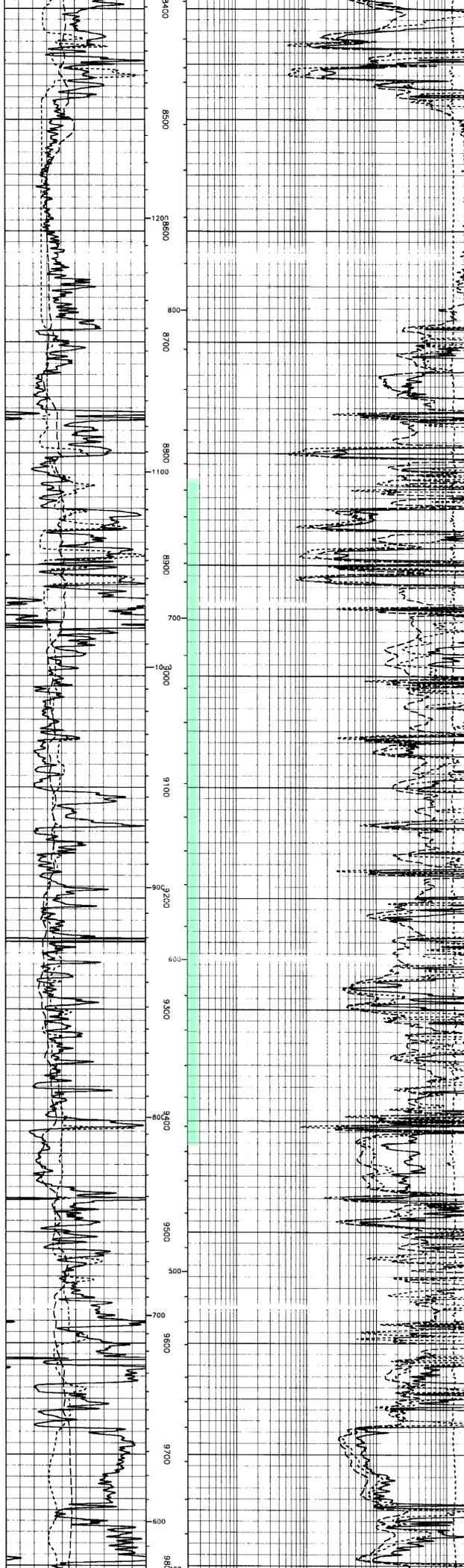
REMARKS

RUN 1 TRIP 1: NACL = 4247 PPM CL = 2582 PPM

BARITE IN THE MUD FROM 9100 TO TD MUD WEIGHT 14.7 LB/GAL
UNABLE TO GET BACK DOWN AFTER REPEAT SPLICED INTO MAIN LOG

CREW: JKNAPP/CWILLIAMS/TELLIOTT
RIG: PETTERSON #263

RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	TTRM/WTS/GR	3981/3510/1329	180413/179409	FREE
1	1	CN/ZDL-F	2446/2228	173098/185960	DECENT
1	1	ZDL	2228	185980	PINNED-PAD
1	1	ZDL-C	2228	185980	ONE-ARM OPEN
1	1	SLAD/DIEL	3516/1503	168195/052706	1.5" STANDOFF



Injection Interval
8820' to 9421'

C-108 ITEM VII – PROPOSED OPERATION

The Chase 21 State Com No.1 SWD will be operated as a private disposal well to service Spur Energy Partners area operations. Source and disposal zone formation waters are compatible (*representative analyses of several zones are included herein*).

Note: This C-108 application is to reinstate the previous authorization by OCD Order SWD-1007. Spur Energy Partners has acquired hundreds of wells since 2019. As operations are evaluated and assets assessed, this particular SWD had already lost focus by the previous operator. Spur Energy Partners believes reinstatement of this SWD will protect the environment and prevent waste.

The cost to dispose of produced water via trucking has become cost prohibitive and if continued, would certainly reduce lease economics and create waste by unnecessary trucking costs including fuel. *The average daily rate of this SWD would eliminate approximately three dozen transport truck trips per day. Reinstating the well to lease disposal will allow the operator to maintain sufficient in-house disposal volume and continue economic viability for their operated wells in the area. The well will not be open for commercial disposal from other operators' leases.*

The system will be closed utilizing a small tank battery and injection pump facility on site with flowlines from the serviced wells. The tanks and associated equipment are inside an appropriate lined berm area to contain 150% of the largest tank volume.

Injection pressure will be 1764 psi (0.2 psi/ft) with a maximum rate of 10,000 bwpd. Average daily rate is expected to be 7500 bwpd or less.

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 19.15.29 and 30 NMAC. Remediation would commence immediately upon assessment and planning to include all required documentation and reporting.

The facility will not be manned but 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 ANALYSES

Item VII.4 – Water Analysis of Source Zone Water

Tansil-Yates-Seven Rivers
Grayburg-San Andres
Yeso

Item VII.5 – Water Analysis of Disposal Zone Water

Cisco

Water Analyses follow this page.

C-108 Item VII.5 - Produced Water Data

Spur Energy Partners, LLC - Chase 21 State Com No.1 SWD

SOURCE ZONE

ARTESIA GROUP - TNSL-YTS-7RVRS

API No	3001502891	Lab ID	
Well Name	CAVE POOL UNIT 030	Sample ID	5128
		Sample No	
Location	ULSTR 04 17 S 29 E	Lat / Long	32.85900 -104.07829
	990 S 2310 E	County	Eddy
Operator (when sampled)			
	Field GRAYBURG JACKSON	Unit	O
Sample Date		Analysis Date	
	Sample Source TANK	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	227185	resistivity_ohm_cm_temp	
tds_mgL_180C		conductivity	
chloride_mgL	140700	conductivity_temp_F	
sodium_mgL		carbonate_mgL	
calcium_mgL		bicarbonate_mgL	47
iron_mgL		sulfate_mgL	900
barium_mgL		hydroxide_mgL	
magnesium_mgL		h2s_mgL	
potassium_mgL		co2_mgL	
strontium_mgL		o2_mgL	
manganese_mgL		anionremarks	
Remarks			

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



C-108 Item VII.5 - Produced Water Data
 Spur Energy Partners, LLC - Chase 21 State Com No.1 SWD

SOURCE ZONE

GRAYBURG-SAN ANDRES

API No	3001502873	Lab ID	
Well Name	GULF STATE	Sample ID	5366
	002	Sample No	
Location	ULSTR 03 17 S 29 E	Lat / Long	32.86987 -104.06746
	330 N 990 W	County	Eddy
Operator (when sampled)			
	Field SQUARE LAKE	Unit	4
Sample Date		Analysis Date	
	Sample Source 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	109000	resistivity_ohm_cm_temp	
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	
potassium_mgL		co2_mgL	
strontium_mgL		o2_mgL	
manganese_mgL		anionremarks	

Remarks

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



C-108 Item VII.5 - Produced Water Data

Spur Energy Partners, LLC - Chase 21 State Com No.1 SWD

SOURCE ZONE

YESO

API No	3001530307	Lab ID	
Well Name	SCHLEY FEDERAL 008	Sample ID	5901
		Sample No	
Location	ULSTR 29 17 S 29 E 1580 N 1650 W	Lat / Long	32.80836 -104.09972
		County	Eddy
Operator (when sampled)	MACK ENERGY		
	Field EMPIRE EAST	Unit	F
Sample Date	8/7/2000	Analysis Date	8/14/2000
	Sample Source	Depth (if known)	
	Water Typ		
ph	7	alkalinity_as_caco3_mgL	
ph_temp_F		hardness_as_caco3_mgL	
specificgravity	1.135	hardness_mgL	
specificgravity_temp_F		resistivity_ohm_cm	
tds_mgL	208172	resistivity_ohm_cm_temp	
tds_mgL_180C		conductivity	
chloride_mgL	140286	conductivity_temp_F	
sodium_mgL	87396.1	carbonate_mgL	0
calcium_mgL	3103.09	bicarbonate_mgL	611.765
iron_mgL	3.405	sulfate_mgL	3456.07
barium_mgL	0.1135	hydroxide_mgL	
magnesium_mgL	817.2	h2s_mgL	79.45
potassium_mgL	545.935	co2_mgL	
strontium_mgL	55.615	o2_mgL	
manganese_mgL		anionremarks	

Remarks

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



C-108 Item VII.5 - Produced Water Data
 Spur Energy Partners, LLC - Chase 21 State Com No.1 SWD

DISPOSAL ZONE

CISCO

API No.	3001500129	Lab ID	
Well Name	SPRINGS SWD 001	Sample ID	5353
		Sample No	
Location	ULSTR 04 21 S 25 E 660 N 830 E	Lat / Long	32.52054 -104.39423
		County	Eddy
Operator (when sampled)			
	Field SEVEN RIVERS HILLS	Unit	1
Sample Date		Analysis Date	
	Sample Source SWAB	Depth (if known)	
	Water Type		
ph		alkalinity_as_caco3_mgL	
ph_temp_F		hardness_as_caco3_mgL	
specificgravity		hardness_mgL	
specificgravity_temp_F		resistivity_ohm_cm	
tds_mgL	31485	resistivity_ohm_cm_temp_	
tds_mgL_180C		conductivity	
chloride_mgL	17000	conductivity_temp_F	
sodium_mgL		carbonate_mgL	
calcium_mgL		bicarbonate_mgL	635
iron_mgL		sulfate_mgL	2500
barium_mgL		hydroxide_mgL	
magnesium_mgL		h2s_mgL	
potassium_mgL		co2_mgL	
strontium_mgL		o2_mgL	
manganese_mgL		anionremarks	

Remarks

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



C-108 ITEM VIII

GEOLOGIC INFORMATION

The Cisco Formation (Upper Penn) is a gray micritic (fine grained) fossiliferous limestone with vugular porosity as well as dolomite. The reservoirs in this area are usually limited in size with up dip porosity loss due to shelf margin carbonate build up; overall thickness averages 600 to 650 feet in the area. The upper portion becomes very shaley and is not proposed for injection.

The Cisco interval offers some good porosity in the proposed injection interval located from 8820 feet to 9421 feet with some very good porosity interspersed throughout the overall interval.

The Cisco is overlain by the Wolf Camp and then Bone Spring and underlain by the Strawn and Atoka.

There are no known 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. 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.

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

Production in the area is generally from Glorieta and Yeso, then shallower and more widely from the Artesia Group formations. The AOR wells largely are completed in the GJ [Grayburg Jackson]; 7Rrvs-Qn-GB-Glorieta-Yeso Pool, Pool ID 97558 and from the Granburg Jackson; SR-Q-G-SA Pool, Pool ID 28509.

Fresh water in the area is generally available from the Santa Rosa formation (Capitan Basin). Based on State Engineer's records for water wells in Township 17S and Ranges 29-30E, groundwater depth was 76 to 80 feet.

There are NO water wells located within one mile of the proposed SWD.

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.



Ben Stone, Partner
SOS Consulting, LLC

Project: Spur Energy Partners, LLC
Chase 21 State Com No.1 SWD
Reviewed 4/12/2021



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

No PODs found.

PLSS Search:

Section(s): 16, 21, 27, 28,
29 **Township:** 17S **Range:** 29E



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

(R=POD has been replaced,
 O=orphaned,
 C=the file is closed) (quarters are 1=NW 2=NE 3=SW 4=SE)
 (quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
RA 11807 POD1	RA	ED		1	2	3	22	17S	29E	587360	3631585	131	76	55

Average Depth to Water: **76 feet**
 Minimum Depth: **76 feet**
 Maximum Depth: **76 feet**

Record Count: 1

PLSS Search:

Township: 17S **Range:** 29E

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 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

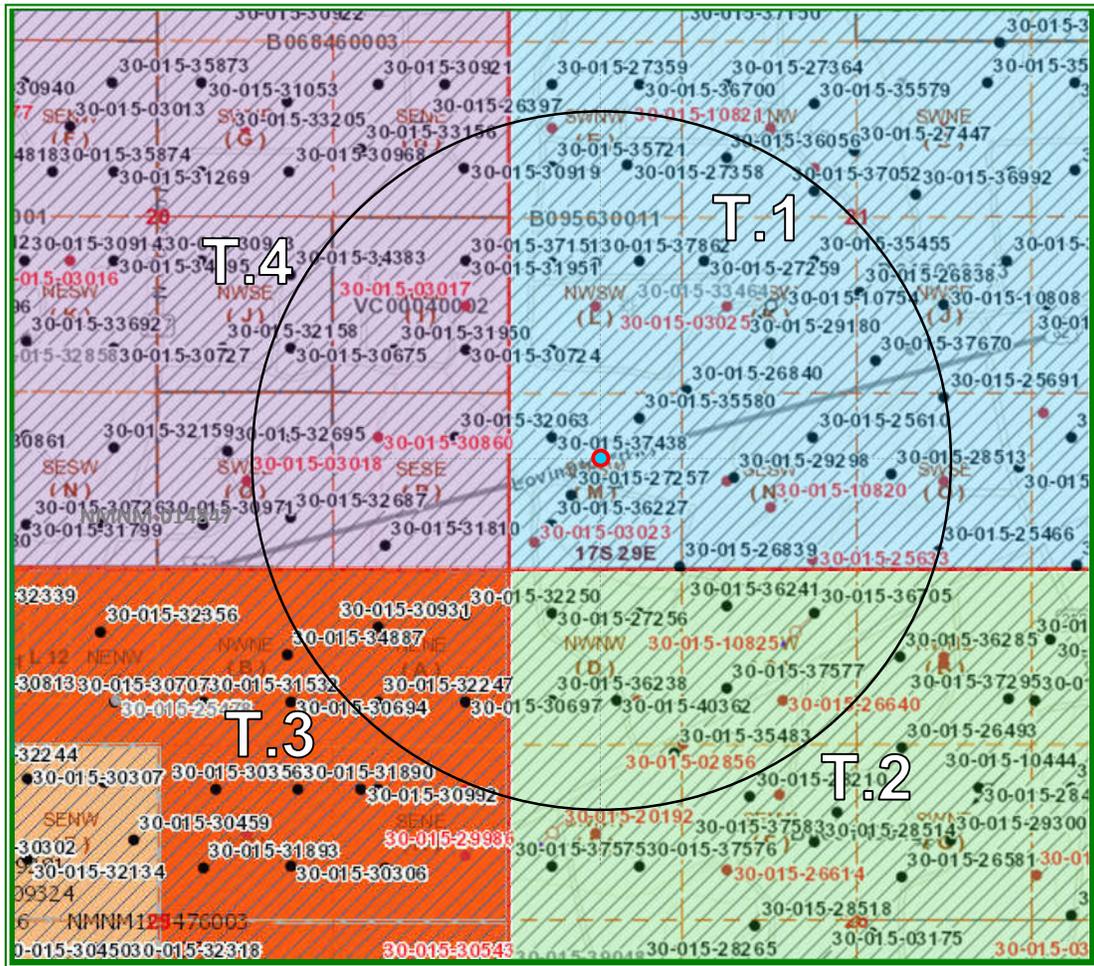
Proof of Certified Mailing

Proof of Return Receipts

Affidavit Published Legal Notice

Chase 21 State Com No.1 SWD– Affected Parties Plat

(Attachment to NMOCD Form C-108, Application for Authority to Inject.)



LEGEND

(Note: All leases have active operators, shown below.)

- T.1 – State Leases; Spur Energy Partners (L/Op)
- T.2 – State – B0-0514-0012; COG Operating (L)
Spur Energy Partners (Op)
- T.3 – BLM – NMNM-107674; Spur Energy Partners (L/Op)
- T.4 – State Leases; Spur Energy Partners (L/Op)

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

**ALL AFFECTED PARTIES ARE PROVIDED A NOTICE LETTER VIA US CERTIFIED MAIL AND
A FULL PRINTED COPY OF THE SUBJECT C-108 APPLICATION VIA FedEx.**

"AFFECTED PERSON" MEANS THE DIVISION DESIGNATED OPERATOR; IN THE ABSENCE OF AN OPERATOR, A LESSEE WHOSE INTEREST IS EVIDENCED 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: 7018 1130 0000 8738 2117

OFFSET OPERATORS (All Notified via USPS Certified Mail)

State Leases (T.1 and T.4 on Map)

Lessee & Operator

SPUR ENERGY PARTNERS, LLC (Applicant)
9655 Katy Freeway, Ste.500
Houston, Texas 77024

State Lease B0-0514-0012 (T.2 on Map)

Lessee

COG OPERATING, LLC
600 W. Illinois Ave.
Midland, TX 79701

Operator

SPUR ENERGY PARTNERS, LLC (Applicant)
9655 Katy Freeway, Ste.500
Houston, Texas 77024

BLM Lease NMNM-107674 (T.3 on Map)

Lessee & Operator

SPUR ENERGY PARTNERS, LLC (Applicant)
9655 Katy Freeway, Ste.500
Houston, Texas 77024

OFFSET MINERALS OWNERS (Notified via USPS Certified Mail)

STATE OF NEW MEXICO
Oil, Gas and Minerals Division
310 Old Santa Fe Trail
Santa Fe, NM 87504

- 2 U.S. DEPARTMENT OF INTERIOR
Bureau of Land Management
Oil & Gas Division
620 E. Greene St.
Carlsbad, NM 88220
Certified: 7018 1130 0000 8738 2261

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

REGULATORY

NEW MEXICO OIL CONSERVATION DIVISION
1220 S. St. Francis Dr.
Santa Fe, NM 87505

NEW MEXICO OIL CONSERVATION DIVISION
811 South First St.
Artesia, NM 88210

FILED VIA OCD ONLINE E-PERMITTING

STATE OF NEW MEXICO
Oil, Gas and Minerals Division
310 Old Santa Fe Trail
Santa Fe, NM 87504

SPUR CHASE 21
https://www.dropbox.com/sh/6p5pkptuqvea9/AAAxW_ci9thpPUOimexe1s1-a?dl=0

USPS Certified Tracking:
7018 1130 0000 8738 2117,
7018 1130 0000 8738 2261

C-108 – Item XIV

Proof of Notice - Certified Mail Receipts

7018 1130 0000 8738 2117

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT <i>Domestic Mail Only</i>	
For delivery information, visit our website at www.usps.com ®.	
OFFICIAL USE	
Certified Mail Fee \$	3.75
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$ 3.05
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage \$.58
Total Postage and Fees \$	7.38
Sent To	STATE OF NEW MEXICO
Street and	Oil, Gas and Minerals Division
City, State	310 Old Santa Fe Trail
PS Form	Santa Fe, NM 87504



7018 1130 0000 8738 2221

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT <i>Domestic Mail Only</i>	
For delivery information, visit our website at www.usps.com ®.	
OFFICIAL USE	
Certified Mail Fee \$	3.75
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$ 3.05
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage \$.58
Total Postage and Fees \$	7.38
Sent To	Bureau of Land Management
Street and	Oil & Gas Division
City, State	620 E. Greene St.
PS Form	Carlsbad, NM 88220



Track Another Package +

STATE LAND OFFICE

Tracking Number: 70181130000087382117

Remove X

Your item was picked up at a postal facility at 7:16 am on April 25, 2022 in SANTA FE, NM 87501.

USPS Tracking Plus[®] Available ∨

Delivered, Individual Picked Up at Postal Facility

April 25, 2022 at 7:16 am
SANTA FE, NM 87501

Get Updates ∨

See More ∨

BUREAU OF LAND MANAGEMENT - CFO

Tracking Number: 70181130000087382261

Remove X

Your item was delivered to an individual at the address at 3:46 pm on April 25, 2022 in CARLSBAD, NM 88220.

USPS Tracking Plus[®] Available ∨

Delivered, Left with Individual

April 25, 2022 at 3:46 pm
CARLSBAD, NM 88220

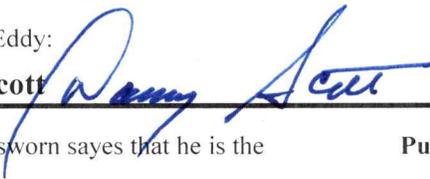
Affidavit of Publication

No. 26111

State of New Mexico

County of Eddy:

Danny Scott



being duly sworn says that he is the **Publisher**

of the Artesia Daily Press, a daily newspaper of General circulation, published in English at Artesia, said county and state, and that the hereto attached

Legal Ad

was published in a regular and entire issue of the said Artesia Daily Press, a daily newspaper duly qualified for that purpose within the meaning of Chapter 167 of the 1937 Session Laws of the state of New Mexico for 1 Consecutive weeks/day on the same

day as follows:

First Publication April 21, 2022

Second Publication _____

Third Publication _____

Fourth Publication _____

Fifth Publication _____

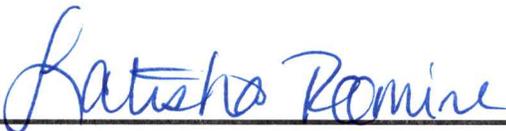
Sixth Publication _____

Seventh Publication _____

Subscribed and sworn before me this

21st day of April 2022

STATE OF NEW MEXICO
NOTARY PUBLIC
Latisha Romine
Commission Number 1076338
My Commission Expires May 12, 2023



Latisha Romine

Notary Public, Eddy County, New Mexico

Copy of Publication:

Legal Notice

Spur Energy Partners, LLC, 9655 Katy Freeway, Ste.500, Houston, TX 77024, is filing Form C-108 (Application for Authority to Inject) with the New Mexico Oil Conservation Division seeking administrative approval to REINSTATE a salt water disposal well. The previously permitted well, Chase 21 State Com Well No. 1 (API No.30-015-30874) located 660 feet from the South line and 810 feet from the West line of Section 21, Township 17 South, Range 29 East, NMPM, Eddy County, New Mexico. Produced water from Spur's area production will be privately disposed (not open to commercial disposal) into the Cisco formation at depths between 8820' to 9421' at a maximum surface pressure of 1764 psi, maximum daily rate of 10,000 bwpd and an average rate of 7500 bwpd. The subject SWD well is located approximately 5.8 miles west of Loco Hills, NM.

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, (903)488-9850 or, email info@sosconsulting.us.

Published in the Artesia Daily Press, Artesia, N.M., April 21, 2022 Legal No. 26111.

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
 AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-30874	² Pool Code 96099	³ Pool Name SWD; Cisco
⁴ Property Code TBD	⁵ Property Name Chase 21 State Com SWD	
⁷ OGRID No. 328947	⁸ Operator Name Spur Energy Partners, LLC	
		⁶ Well Number 1
		⁹ Elevation 3604'

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
M	21	17S	29E		660'	FSL	810'	FWL	Eddy

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
same									

¹² Dedicated Acres n/a	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. SWD-1007
---	-------------------------------	----------------------------------	--

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.

		<p style="text-align: center;">¹⁷ OPERATOR CERTIFICATION</p> <p><i>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.</i></p> <p style="text-align: right;"> Signature 4/23/2022 Date </p> <p>Ben Stone Printed Name</p> <p>ben@sosconsulting.us E-mail Address</p>
		<p style="text-align: center;">¹⁸ SURVEYOR CERTIFICATION</p> <p><i>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.</i></p> <p style="text-align: right;"> September 23, 1999 Date of Survey Signature and Seal of Professional Surveyor: </p> <p style="text-align: right;"> Earl Foote 8278 Certificate Number </p>

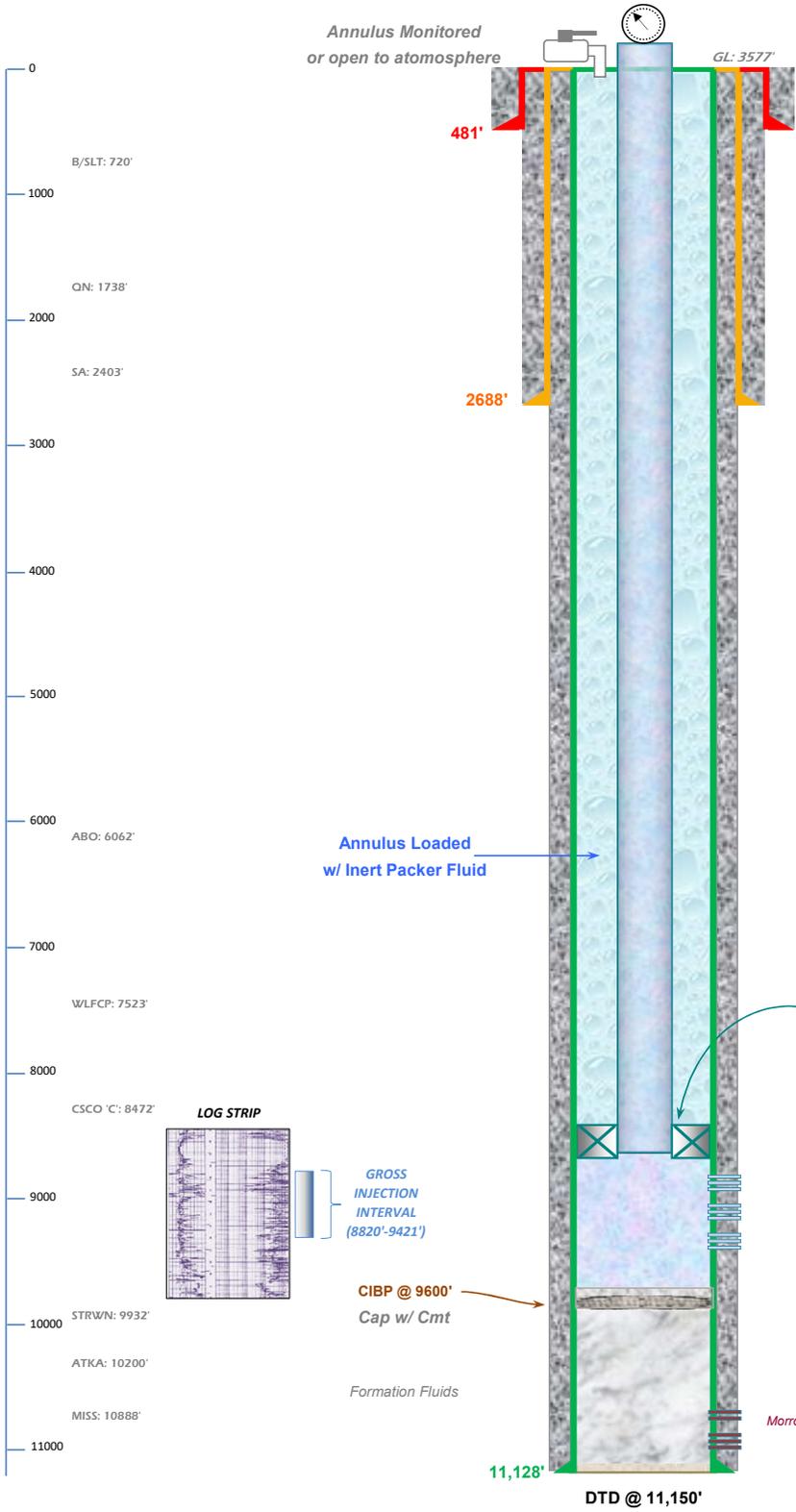
WELL SCHEMATIC - PROPOSED

Chase 21 State Well No.1 SWD

API 30-015-30874
 660' FSL & 810' FWL, SEC. 21-T17S-R29E
 EDDY COUNTY, NEW MEXICO

SWD; Cisco (96099)

Spud Date: 1/2304/2000
 Config SWD Dt: Converted 2005
 Reinstate: ASAP 6/01/2022



Injection Pressure Regulated
 and Volumes Reported
 1764 psi Max. Surface (0.2 psi/ft)

Surface Casing
 11.75", 42.0# J-55 STC Csg. (14.75" Hole) @ 481'
 300 sx - Circulated to Surface

Intermediate Casing
 8.625", 32.0# J-55 Csg. (11.0" Hole) @ 2688'
 800 sx - Circulated to Surface

SPUR ENERGY PARTNERS, LLC

Reinstate SWD Status:
 Spot / Dump 35' Cement on Existing CIBP.
 Acidize w/ up to ~5000 gals 15% HCl
 Run PC Tubing and PKR - Conduct Witnessed MIT.
 Commence Disposal Operations.

3.5" IC Tubing (or smaller)
 PKR ~8720'+
 Note: PKR Set 100' Above Final Uppermost Perf Interval.

Cisco Perfs - 8820'-9421'

Production Casing
 5.5", 17.0# J-55 Csg. (7.875" Hole) @ 11,128';
 950 sx 'C' - TOC 2635' by Temp.

Morrow test perfs: 10,703'-10,778'

Drawn by: Ben Stone, 4/19/2022

C-108 ITEM VII – PROPOSED OPERATION

The Chase 21 State Com No.1 SWD will be operated as a private disposal well to service Spur Energy Partners area operations. Source and disposal zone formation waters are compatible (*representative analyses of several zones are included herein*).

Note: This C-108 application is to reinstate the previous authorization by OCD Order SWD-1007. Spur Energy Partners has acquired hundreds of wells since 2019. As operations are evaluated and assets assessed, this particular SWD had already lost focus by the previous operator. Spur Energy Partners believes reinstatement of this SWD will protect the environment and prevent waste.

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e-Permitting
C-108 Submittal

Attachment Category

Seismicity Analysis

For High Volume Devonian Wells

(NOT APPLICABLE TO THIS APPLICATION)

Form C-108 Item VI - Tabulation of AOR Wells

Top of Proposed CISCO Interval 8820'

NO (0) Wells Penetrate Proposed Interval.

API	Current Operator	Well Name	Well Number	Type	Lease	Status	ULSTR	Depth	Plugged On
<u>Subject Well</u>									
30-015-30874	[328947] Spur Energy Partners LLC	CHASE 21 STATE COM	#001	SWD	State	Active	M-21-17S-29E	11150'	
<u>Section 21 Wells</u>									
30-015-36056	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#184	Oil	State	Active	F-21-17S-29E	5473'	
30-015-37052	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#252	Oil	State	Active	F-21-17S-29E	5501'	
30-015-26838	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#101	Oil	State	Active	J-21-17S-29E	4450'	
30-015-37670	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#163	Oil	State	Active	J-21-17S-29E	5575'	
30-015-03025	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#003	Oil	State	P&A-R	K-21-17S-29E	2279'	1/1/1900
30-015-10754	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#033	Injection	State	Active	K-21-17S-29E	3700'	
30-015-26840	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#100	Oil	State	Active	K-21-17S-29E	5536'	
30-015-27259	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#106	Oil	State	Active	K-21-17S-29E	5050'	
30-015-29180	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#140	Oil	State	Active	K-21-17S-29E	7500'	
30-015-35455	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#149	Oil	State	Active	K-21-17S-29E	5515'	
30-015-03021	[13837] MACK ENERGY CORP	G J WEST COOP UNIT	#034	Oil	State	P&A-R	L-21-17S-29E	4028'	4/5/2000
30-015-27377	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#107	Oil	State	Active	L-21-17S-29E	5068'	
30-015-35654	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#164	Oil	State	Active	L-21-17S-29E	5540'	
30-015-37151	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#257	Oil	State	Active	L-21-17S-29E	5498'	
30-015-37862	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#307	Oil	State	Active	L-21-17S-29E	5545'	
30-015-03023	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#001	Oil	State	P&A-R	M-21-17S-29E	3004'	1/1/1900
30-015-26839	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#102	Oil	State	Active	M-21-17S-29E	4450'	
30-015-27257	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#104	Oil	State	Active	M-21-17S-29E	5050'	
30-015-35580	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#158	Oil	State	Active	M-21-17S-29E	5868'	
30-015-36227	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#190	Oil	State	Active	M-21-17S-29E	5535'	
30-015-37438	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#258	Oil	State	Active	M-21-17S-29E	5512'	
30-015-25633	[229137] COG OPERATING LLC	G J WEST COOP UNIT	#080	Oil	State	P&A-R	N-21-17S-29E	4490'	9/9/2014
30-015-10820	[13837] MACK ENERGY CORP	G J WEST COOP UNIT	#022	Oil	State	P&A-R	N-21-17S-29E	2900'	7/26/2005
30-015-03027	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#004	Oil	State	P&A-R	N-21-17S-29E	2751'	1/1/1900
30-015-25610	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#082	Oil	State	Active	N-21-17S-29E	5579'	
30-015-29298	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#141	Oil	State	Active	N-21-17S-29E	5530'	
30-015-10797	[229137] COG OPERATING LLC	G J WEST COOP UNIT	#023	Oil	State	P&A-R	O-21-17S-29E	2867'	6/21/2017
30-015-25466	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#073	Oil	State	Active	O-21-17S-29E	4460'	
30-015-25691	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#081	Oil	State	Active	O-21-17S-29E	4660'	
30-015-28513	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#131	Oil	State	Active	O-21-17S-29E	5562'	

Form C-108 Item VI - Tabulation of AOR Wells (cont.)

Section 20 Wells

30-015-30919	[372210] LONGFELLOW ENERGY, LP	STATE 20 B	#002	Oil	State	Active	H-20-17S-29E	4994'	
30-015-30921	[372210] LONGFELLOW ENERGY, LP	STATE 20 B	#004	Oil	State	Active	H-20-17S-29E	4916'	
30-015-33097	[372210] LONGFELLOW ENERGY, LP	STATE 20 B	#015	Oil	State	Active	H-20-17S-29E	4312'	
30-015-33156	[372210] LONGFELLOW ENERGY, LP	STATE 20 B	#016	Oil	State	Active	H-20-17S-29E	4500'	
30-015-03017	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#005	Oil	State	P&A-R	I-20-17S-29E	2245'	1/1/1900
30-015-30724	[328947] Spur Energy Partners LLC	MUSKEGON SOUTH STATE	#001	Oil	State	Active	I-20-17S-29E	4308'	
30-015-30732	[328947] Spur Energy Partners LLC	MUSKEGON SOUTH STATE	#002	Oil	State	Active	I-20-17S-29E	4370'	
30-015-31950	[328947] Spur Energy Partners LLC	MUSKEGON SOUTH STATE	#003	Oil	State	Active	I-20-17S-29E	4380'	
30-015-31951	[328947] Spur Energy Partners LLC	MUSKEGON SOUTH STATE	#004	Oil	State	Active	I-20-17S-29E	4373'	
30-015-30675	[328947] Spur Energy Partners LLC	RINCON STATE	#003	Oil	State	Active	J-20-17S-29E	4335'	
30-015-31054	[372210] LONGFELLOW ENERGY, LP	STATE 20 B	#010	Oil	State	Active	O-20-17S-29E	5000'	
30-015-32687	[372210] LONGFELLOW ENERGY, LP	STATE 20 B	#012	Oil	State	Active	O-20-17S-29E	4500'	
30-015-03018	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#007	Oil	State	P&A-R	O-20-17S-29E	2173'	1/1/1900
30-015-30860	[229137] COG OPERATING LLC	RINCON STATE	#002	Oil	State	P&A-R	P-20-17S-29E	4355'	10/28/2014
30-015-30652	[328947] Spur Energy Partners LLC	RINCON STATE	#001	Oil	State	Active	P-20-17S-29E	4410'	
30-015-31810	[328947] Spur Energy Partners LLC	RINCON STATE	#005	Oil	State	Active	P-20-17S-29E	4510'	
30-015-32063	[328947] Spur Energy Partners LLC	RINCON STATE	#006	Oil	State	Active	P-20-17S-29E	4474'	

Section 28 Wells

30-015-36285	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#194	Oil	State	Active	B-28-17S-29E	5467'	
30-015-10827	[229137] COG OPERATING LLC	G J WEST COOP UNIT	#011	Injection	State	P&A-R	E-28-17S-29E	2760'	2/26/2018
30-015-35483	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#150	Oil	State	Active	E-28-17S-29E	5510'	
30-015-10826	[13837] MACK ENERGY CORP	G J WEST COOP UNIT	#014	Oil	State	P&A-R	F-28-17S-29E	2850'	4/4/2001
30-015-28210	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#121	Oil	State	Active	F-28-17S-29E	5570'	

Section 29 Wells

30-015-03179	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#001	Oil	Federal	P&A-R	A-29-17S-29E	2266'	1/1/1900
30-015-30697	[328947] Spur Energy Partners LLC	WHITE STAR FEDERAL	#010	Oil	Federal	Active	A-29-17S-29E	4410'	
30-015-30931	[328947] Spur Energy Partners LLC	WHITE STAR FEDERAL	#014	Oil	Federal	Active	A-29-17S-29E	4470'	
30-015-32247	[328947] Spur Energy Partners LLC	WHITE STAR FEDERAL	#020	Oil	Federal	Active	A-29-17S-29E	5551'	
30-015-32250	[328947] Spur Energy Partners LLC	WHITE STAR FEDERAL	#022	Oil	Federal	Active	A-29-17S-29E	4423'	
30-015-32135	[229137] COG OPERATING LLC	WHITE STAR FEDERAL	#018	Oil	Federal	P&A-R	H-29-17S-29E	4530'	7/30/2018

SUMMARY: NO wells penetrate the proposed disposal interval.

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

Proof of Certified Mailing

Proof of Return Receipts

Affidavit Published Legal Notice

C-108 ITEM VII – PRODUCED WATER ANALYSES

Item VII.4 – Water Analysis of Source Zone Water

Tansil-Yates-Seven Rivers
Grayburg-San Andres
Yeso

Item VII.5 – Water Analysis of Disposal Zone Water

Cisco

Water Analyses follow this page.

C-108 - Items III, IV, V

Item III - Subject Well Data

Wellbore Diagram – PROPOSED

Item IV – Tabulation of AOR Wells

NO (0) AOR Wells Penetrate the Proposed Injection Interval.

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.