

# Initial Application Part I

Received: 06/09/2022

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

RECEIVED: <b>06/09/2022</b>	REVIEWER:	TYPE: <b>SWD</b>	APP NO: <b>pJZT2216555678</b>
-----------------------------	-----------	------------------	-------------------------------

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:** Durango 15 State Com SWD No.1 **API:** 30-015-31557  
**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-2489**
- 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

**FOR OCD ONLY**

Notice Complete

Application Content Complete

- 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

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

6/09/2022  
 Date

903-488-9850  
 Phone Number

ben@sosconsulting.us  
 e-mail Address

June 9, 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 Durango 15 State Com Well No.1 SWD, located in Section 15, 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 Durango 15 State Com No.1. The well was previously authorized by another operator for salt water disposal by division order SWD-809-A. 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 May 12, 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. ***(2 AOR wells penetrate the subject interval; 1 P&A.)*** 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 2500 gals 15% HCl.***
- \*X. ***A log strip of the subject well is annotated and is ATTACHED.***
- \*XI. ***State Engineer's records indicate there are 2 water wells within one mile the proposed SWD. 1 analysis attached.***
- 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 2 offset operators; unitized federal minerals operated by applicant – BLM and SLO 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: ***6/09/2022***

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.

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**

<sup>1</sup> API Number <b>30-015-31557</b>	<sup>2</sup> Pool Code <b>96099</b>	<sup>3</sup> Pool Name <b>SWD; Cisco</b>
<sup>4</sup> Property Code <b>TBD</b>	<sup>5</sup> Property Name <b>Durango 15 State Com SWD</b>	
<sup>7</sup> OGRID No. <b>328947</b>	<sup>8</sup> Operator Name <b>Spur Energy Partners, LLC</b>	
		<sup>6</sup> Well Number <b>1</b>
		<sup>9</sup> Elevation <b>3564'</b>

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	15	17S	29E		660'	FNL	660'	FEL	Eddy

<sup>11</sup> 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									

<sup>12</sup> Dedicated Acres <b>n/a</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No. <b>SWD-809-A (original)</b>
---	-------------------------------	----------------------------------	--

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.

<sup>16</sup> 			
			<p style="text-align: center;"><b><sup>17</sup> OPERATOR CERTIFICATION</b></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 <span style="float: right;">6/01/2022</span>          Date       </p> <p><b>Ben Stone</b> Printed Name</p> <p><b>ben@sosconsulting.us</b> E-mail Address</p>
			<p style="text-align: center;"><b><sup>18</sup> SURVEYOR CERTIFICATION</b></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;"> <b>January 9, 2001</b>          Date of Survey          Signature and Seal of Professional Surveyor:       </p> <p style="text-align: right;"> <b>Gary L. Jones</b>  <b>7977</b>          Certificate Number       </p>

## **C-108 - Items III, IV, V**

### **Item III - Subject Well Data**

Wellbore Diagram – PROPOSED

### **Item IV – Tabulation of AOR Wells**

2 Wells Penetrate the Proposed Injection Interval, 1 P&A

### **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**  
**Durango 15 State Com Well No.1 SWD**

API 30-015-31557

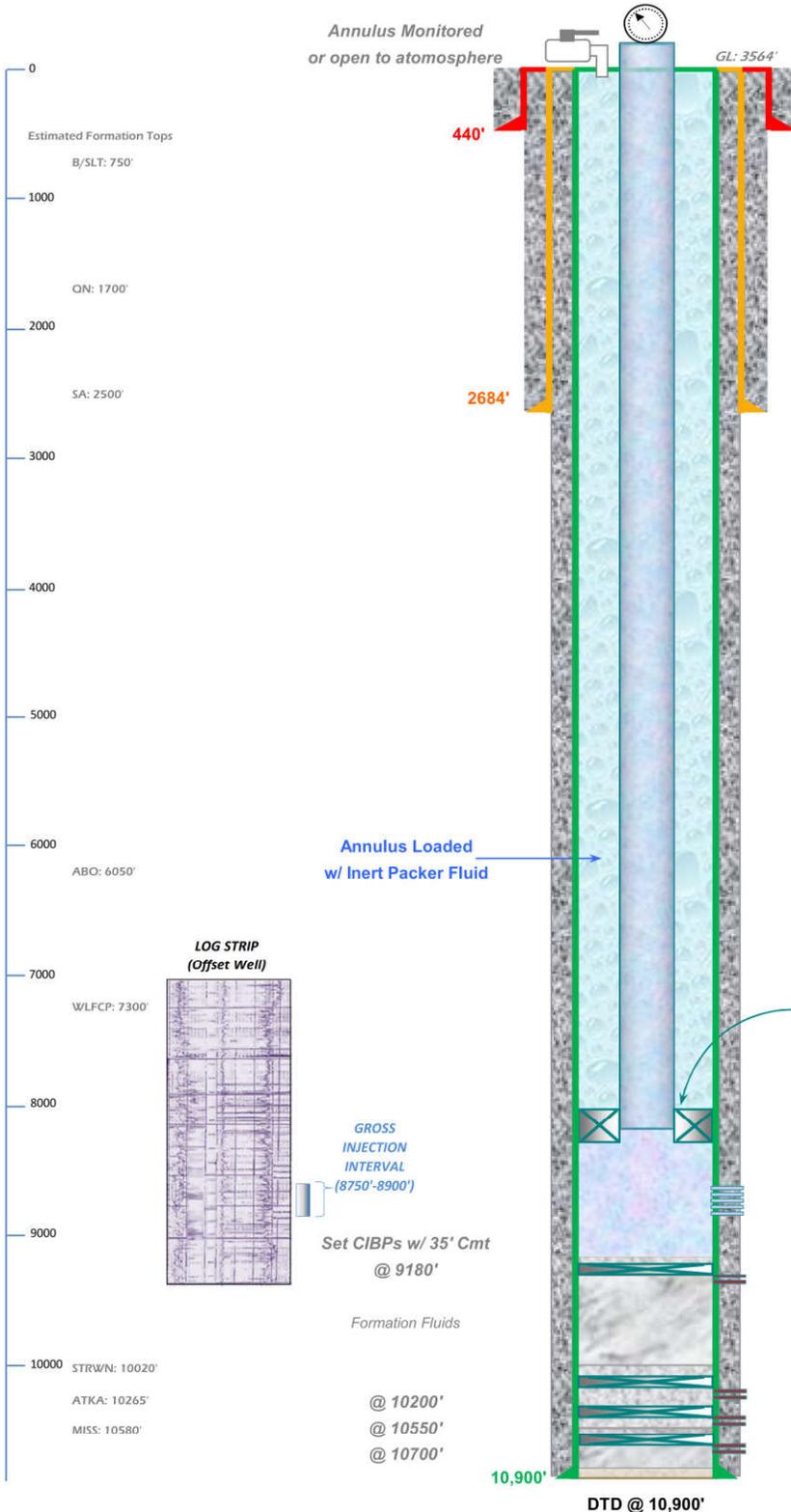
660' FNL & 660' FWL, SEC. 15-T17S-R29E  
 EDDY COUNTY, NEW MEXICO

SWD; Cisco (96099)

Spud Date: 3/29/2001

Config SWD-809-A Dt: Converted 2/2003

Reinstate: ASAP 7/15/2022



Injection Pressure Regulated  
 and Volumes Reported  
 1750 psi Max. Surface (0.2 psi/ft)

**Surface Casing**

13.375", 54.5# K-55 STC Csg. (17.5" Hole) @ 440'  
 375 sx - Circulated 18 sx to Surface

**Intermediate Casing**

9.625", 32.0# K-55 Csg. (12.25" Hole) @ 2684'  
 1050 sx - Circulated 100 sx to RP.

**SPUR ENERGY PARTNERS, LLC**

**Reinstate SWD Status:**  
 Acidize w/ up to ~2500 gals 15% HCl  
 Run PC Tubing and PKR - Conduct Witnessed MIT.  
 Commence Disposal Operations.

Annulus Loaded  
 w/ Inert Packer Fluid

3.5" IC Tubing (or smaller)

PKR ~8670'+

Note: PKR Set 100' Above Final Uppermost Perf Interval.

GROSS  
 INJECTION  
 INTERVAL  
 (8750'-8900')

Set CIBPs w/ 35' Cmt  
 @ 9180'

Formation Fluids

@ 10200'  
 @ 10550'  
 @ 10700'

Cisco Perfs - 8770'-8900'

(Note: Apprv'd Interval 8750' to 8900')

Canyon test perfs: 9225'-42' (Sqz'd)

**Production Casing**

5.5", 17.0# N-80/K-55 Csg. (7.875" Hole) @ 10,900';  
 1st 850 sx 'P/H'; 2nd 835 sx - Circ. 20 sx to RP.

Atoka test perfs: 10286'-91' (Sqz'd)

Morrow test perfs: 10602'-51' (Sqz'd)

Chester test perfs: 10722'-46' (Sqz'd)

Drawn by: Ben Stone, 6/02/2022



# Form C-108 Item VI - Tabulation of AOR Wells

Top of Proposed CISCO Interval 8750'

2 Wells Penetrate Proposed Interval.

API	Current Operator	Well Name	Well Number	Type	Lease	Status	ULSTR	Depth	Plugged On
Subject Well		DURANGO 15 STATE COM		SWD	State	Active	D-15-175-29E	10900'	
		[328947] Spur Energy Partners LLC		#001					
<i>Section 15 Wells</i>									
30-015-02994	[14049] MARBOB ENERGY CORP	DODD FEDERAL UNIT	#021	Inj.	Federal	P&A-R	B-15-175-29E	2490'	5/12/2005
30-015-26309	[328947] Spur Energy Partners LLC	DELTA WING FEDERAL	#001	SWD	Federal	Active	B-15-175-29E	10950'	
30-015-40600	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#592	Oil	Federal	Active	B-15-175-29E	4490'	
30-015-40001	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#594	Oil	Federal	Active	B-15-175-29E	4558'	
30-015-39279	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#595	Oil	Federal	Active	B-15-175-29E	4470'	
30-015-02982	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#001	Oil	State	P&A-R	C-15-175-29E	2690'	1/1/1900
30-015-39095	[328947] Spur Energy Partners LLC	CONTINENTAL STATE	#004	Oil	State	Active	C-15-175-29E	5612'	
30-015-38369	[328947] Spur Energy Partners LLC	CONTINENTAL STATE	#007	Oil	State	Active	C-15-175-29E	5510'	
30-015-39096	[328947] Spur Energy Partners LLC	CONTINENTAL STATE	#008	Oil	State	Active	C-15-175-29E	5630'	
30-015-39101	[328947] Spur Energy Partners LLC	CONTINENTAL STATE	#018	Oil	State	Active	C-15-175-29E	5545'	
30-015-02983	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#002	Oil	State	P&A-R	D-15-175-29E	2618'	1/1/1900
30-015-39094	[328947] Spur Energy Partners LLC	CONTINENTAL STATE	#002	Oil	State	Active	D-15-175-29E	5640'	
30-015-38949	[328947] Spur Energy Partners LLC	CONTINENTAL STATE	#005	Oil	State	Active	D-15-175-29E	5510'	
30-015-39135	[328947] Spur Energy Partners LLC	CONTINENTAL STATE	#006	Oil	State	Active	D-15-175-29E	5635'	
30-015-39100	[328947] Spur Energy Partners LLC	CONTINENTAL STATE	#017	Oil	State	Active	D-15-175-29E	5560'	
30-015-31557	[328947] Spur Energy Partners LLC	DURANGO 15 STATE COM	#001	SWD	State	Active	D-15-175-29E	10900'	
30-015-39097	[328947] Spur Energy Partners LLC	CONTINENTAL STATE	#009	Oil	State	Active	E-15-175-29E	5625'	
30-015-39113	[328947] Spur Energy Partners LLC	CONTINENTAL STATE	#010	Oil	State	Active	E-15-175-29E	5634'	
30-015-38400	[328947] Spur Energy Partners LLC	CONTINENTAL STATE	#013	Oil	State	Active	E-15-175-29E	5544'	
30-015-39098	[328947] Spur Energy Partners LLC	CONTINENTAL STATE	#014	Oil	State	Active	E-15-175-29E	5633'	
30-015-20161	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#003	Oil	State	P&A-R	F-15-175-29E	2700'	1/1/1900
30-015-39114	[328947] Spur Energy Partners LLC	CONTINENTAL STATE	#011	Oil	State	Active	F-15-175-29E	5630'	
30-015-39115	[328947] Spur Energy Partners LLC	CONTINENTAL STATE	#012	Oil	State	Active	F-15-175-29E	5620'	
30-015-38370	[328947] Spur Energy Partners LLC	CONTINENTAL STATE	#015	Oil	State	Active	F-15-175-29E	5523'	
30-015-39116	[328947] Spur Energy Partners LLC	CONTINENTAL STATE	#016	Oil	State	Active	F-15-175-29E	5610'	
30-015-41026	[229137] COG OPERATING LLC	DODD FEDERAL UNIT	#604	Oil	Federal	New	G-15-175-29E	0'	Not Drilled
30-015-20079	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#038	Oil	Federal	Active	G-15-175-29E	2700'	
30-015-39665	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#605	Oil	Federal	Active	G-15-175-29E	4584'	
30-015-39280	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#606	Oil	Federal	Active	G-15-175-29E	4480'	
30-015-39281	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#607	Oil	Federal	Active	G-15-175-29E	4481'	
30-015-02987	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#040	Oil	Federal	Active	I-15-175-29E	2420'	
30-015-35458	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#112	Oil	Federal	Active	I-15-175-29E	5040'	
30-015-40602	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#620	Oil	Federal	Active	I-15-175-29E	4555'	



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

30-015-41302	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#670	Oil	Federal	Active	I-15-17S-29E	4570'
30-015-02989	[14049] MARBOB ENERGY CORP	DODD FEDERAL UNIT	#039	Inj.	Federal	P&A-R	J-15-17S-29E	3282' 11/7/2006
30-015-35459	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#118	Oil	Federal	Active	J-15-17S-29E	4480'
30-015-36267	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#130	Oil	Federal	Active	J-15-17S-29E	5020'
30-015-40601	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#618	Oil	Federal	Active	J-15-17S-29E	4550'
30-015-39903	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#667	Oil	Federal	Active	J-15-17S-29E	4593'
<b>30-015-20715</b>	<b>[229137] COG OPERATING LLC</b>	<b>CONOCO STATE</b>	<b>#001</b>	<b>Oil</b>	<b>State</b>	<b>P&amp;A-R</b>	<b>K-15-17S-29E</b>	<b>11110' 2/14/2018</b>
<i>P&amp;A Diagram Attached...</i>								
30-015-02985	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#002	Oil	State	P&A-R	K-15-17S-29E	2510' 1/1/1900
30-015-40924	[328947] Spur Energy Partners LLC	CADILLAC STATE	#001	Oil	State	Active	K-15-17S-29E	5410'
30-015-40923	[328947] Spur Energy Partners LLC	CADILLAC STATE	#002	Oil	State	Active	K-15-17S-29E	5478'
30-015-41450	[328947] Spur Energy Partners LLC	CADILLAC STATE	#003	Oil	State	Active	K-15-17S-29E	5450'
30-015-41451	[328947] Spur Energy Partners LLC	CADILLAC STATE	#004	Oil	State	Active	K-15-17S-29E	5450'
30-015-39771	[328947] Spur Energy Partners LLC	EMPIRE STATE SWD 15	#001	SWD	State	Active	K-15-17S-29E	9450'
30-015-37293	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#268	Oil	State	Active	L-15-17S-29E	5508'
30-015-36792	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#269	Oil	State	Active	L-15-17S-29E	5500'
30-015-37440	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#270	Oil	State	Active	L-15-17S-29E	5576'
30-015-37572	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#271	Oil	State	Active	L-15-17S-29E	5536'
30-015-10796	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#053	Oil	State	Active	M-15-17S-29E	2900'
30-015-35923	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#176	Oil	State	Active	M-15-17S-29E	5555'
30-015-36198	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#186	Oil	State	Active	M-15-17S-29E	5454'
30-015-37573	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#272	Oil	State	Active	M-15-17S-29E	5475'
30-015-37574	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#273	Oil	State	Active	M-15-17S-29E	5560'
30-015-02984	[229137] COG OPERATING LLC	CONTINENTAL STATE	#001	Oil	State	P&A-R	N-15-17S-29E	3253' 11/22/2014
30-015-24520	[229137] COG OPERATING LLC	CONTINENTAL STATE	#003	Oil	State	P&A-NR	N-15-17S-29E	3455'
30-015-41452	[328947] Spur Energy Partners LLC	CADILLAC STATE	#005	Oil	State	Active	N-15-17S-29E	5463'
30-015-41453	[328947] Spur Energy Partners LLC	CADILLAC STATE	#006	Oil	State	Active	N-15-17S-29E	5446'
30-015-41456	[328947] Spur Energy Partners LLC	CADILLAC STATE	#007	Oil	State	Active	N-15-17S-29E	5450'
30-015-41490	[328947] Spur Energy Partners LLC	CADILLAC STATE	#008	Oil	State	Active	N-15-17S-29E	5450'
<i>Section 10 Wells</i>								
30-015-40342	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#552	Oil	Federal	Active	K-10-17S-29E	4426'
30-015-40350	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#554	Oil	Federal	Active	K-10-17S-29E	4416'
30-015-02941	[371484] ROVER OPERATING, LLC	FEATHERSTONE FEDERAL	#003	Oil	Federal	Active	L-10-17S-29E	2446'
30-015-44531	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#912H	Oil	Federal	New	L-10-17S-29E	0' Not Drilled
30-015-02940	[371484] ROVER OPERATING, LLC	FEATHERSTONE FEDERAL	#004	Oil	Federal	Active	M-10-17S-29E	2457'
30-015-44671	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#915H	Oil	Federal	New	M-10-17S-29E	0' Not Drilled

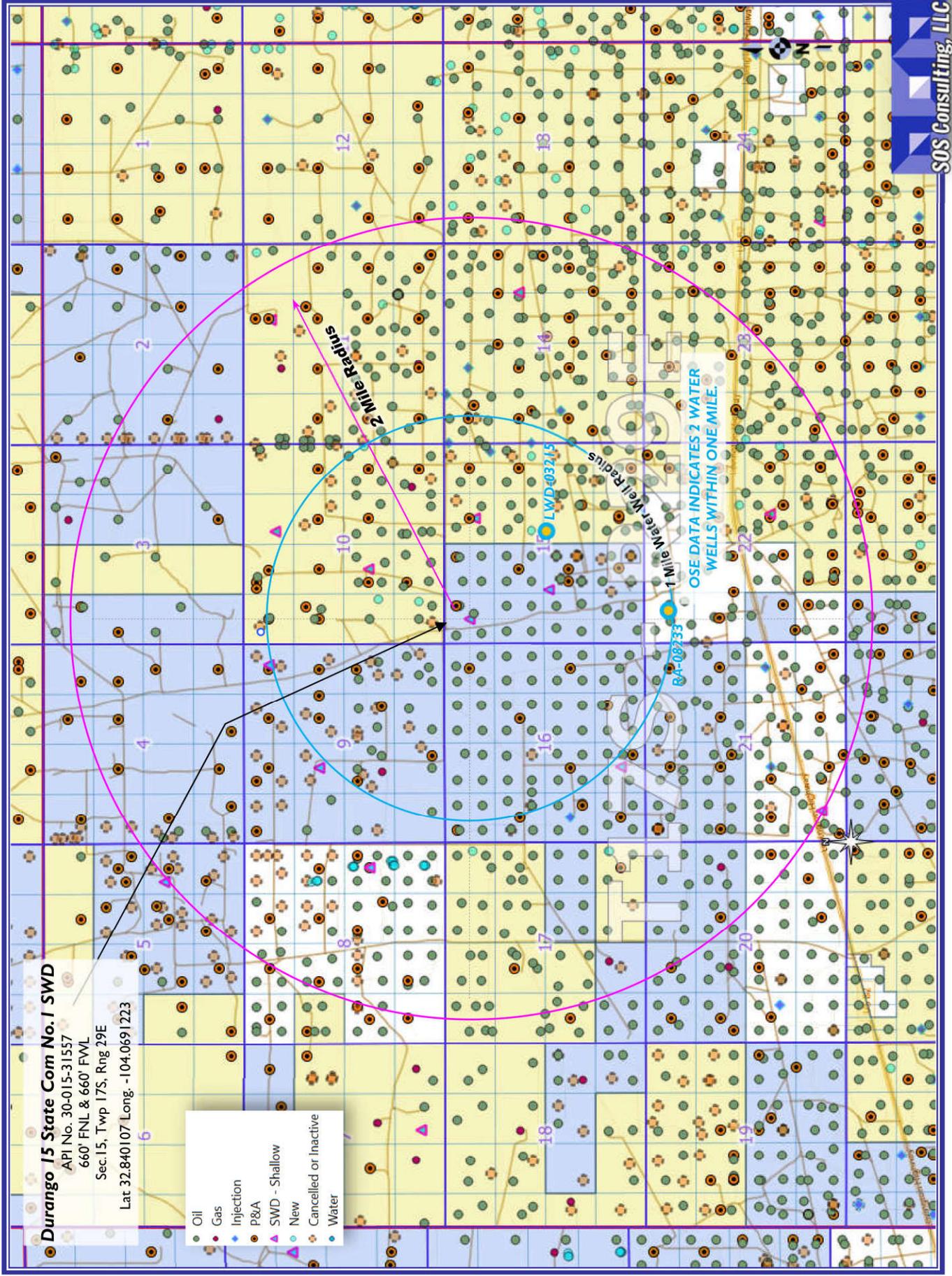
## Form C-108 Item VI - Tabulation of AOR Wells (cont.)

30-015-40542	[328947] Spur Energy Partners LLC	SIDEMARINE 10 FEDERAL	#002H	Oil	Federal	Active	M-10-17S-29E	4624'	
30-015-02945	[14049] MARBOB ENERGY CORP	M DODD B	#014	Oil	Federal	P&A-R	N-10-17S-29E	2476'	
30-015-36266	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#121	Oil	Federal	Active	N-10-17S-29E	5000'	
30-015-40353	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#571	Oil	Federal	Active	N-10-17S-29E	4440'	
30-015-40354	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#572	Oil	Federal	Active	N-10-17S-29E	4445'	
30-015-40355	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#573	Oil	Federal	Active	N-10-17S-29E	4449'	
30-015-02946	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#020	Oil	Federal	Active	O-10-17S-29E	2456'	
30-015-40751	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#578	Oil	Federal	Active	O-10-17S-29E	4411'	
<i>Section 9 Wells</i>									
30-015-40074	[192463] OXY USA WTP LIMITED PARTNERSHIP	TIGGER 9 STATE	#003	Oil	State	Active	I-9-17S-29E	5250'	
30-015-40075	[192463] OXY USA WTP LIMITED PARTNERSHIP	TIGGER 9 STATE	#004	Oil	State	Active	P-9-17S-29E	5262'	
30-015-40940	[192463] OXY USA WTP LIMITED PARTNERSHIP	TIGGER 9 STATE	#009	Oil	State	Active	P-9-17S-29E	5315'	
30-015-02931	[371484] ROVER OPERATING, LLC	SINCLAIR STATE	#001	Oil	State	Active	P-9-17S-29E	2558'	
30-015-39724	[371484] ROVER OPERATING, LLC	SINCLAIR STATE	#002	Oil	State	Active	P-9-17S-29E	2658'	
<i>Section 16 Wells</i>									
30-015-02999	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#001	Oil	State	P&A-R	A-16-17S-29E	2770'	
30-015-37287	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#201	Oil	State	Active	A-16-17S-29E	5504'	
30-015-36790	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#202	Oil	State	Active	A-16-17S-29E	5500'	
30-015-37531	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#203	Oil	State	Active	A-16-17S-29E	5575'	
30-015-37288	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#204	Oil	State	Active	A-16-17S-29E	5510'	
30-015-37069	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#205	Oil	State	Active	B-16-17S-29E	5503'	
30-015-37289	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#208	Oil	State	Active	B-16-17S-29E	5510'	
30-015-36225	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#188	Oil	State	Active	G-16-17S-29E	5469'	
30-015-35985	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#178	Oil	State	Active	H-16-17S-29E	5482'	
30-015-36799	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#225	Oil	State	Active	H-16-17S-29E	5580'	
30-015-37229	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#226	Oil	State	Active	H-16-17S-29E	5472'	
30-015-37568	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#227	Oil	State	Active	H-16-17S-29E	5576'	
30-015-36791	[328947] Spur Energy Partners LLC	G J WEST COOP UNIT	#228	Oil	State	Active	I-16-17S-29E	5492'	

**SUMMARY: 2 wells penetrate the proposed disposal interval, 1 P&A.**

# Durango 15 State Com No.1 SWD - Area of Review / 2 Miles

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





## **C-108 ITEM VI**

AOR Well Information

### **Plugged Well Schematics**

There is 1 P&A'd Well Within the AOR Which  
Penetrates the Proposed Injection Zone.

30-015-20715

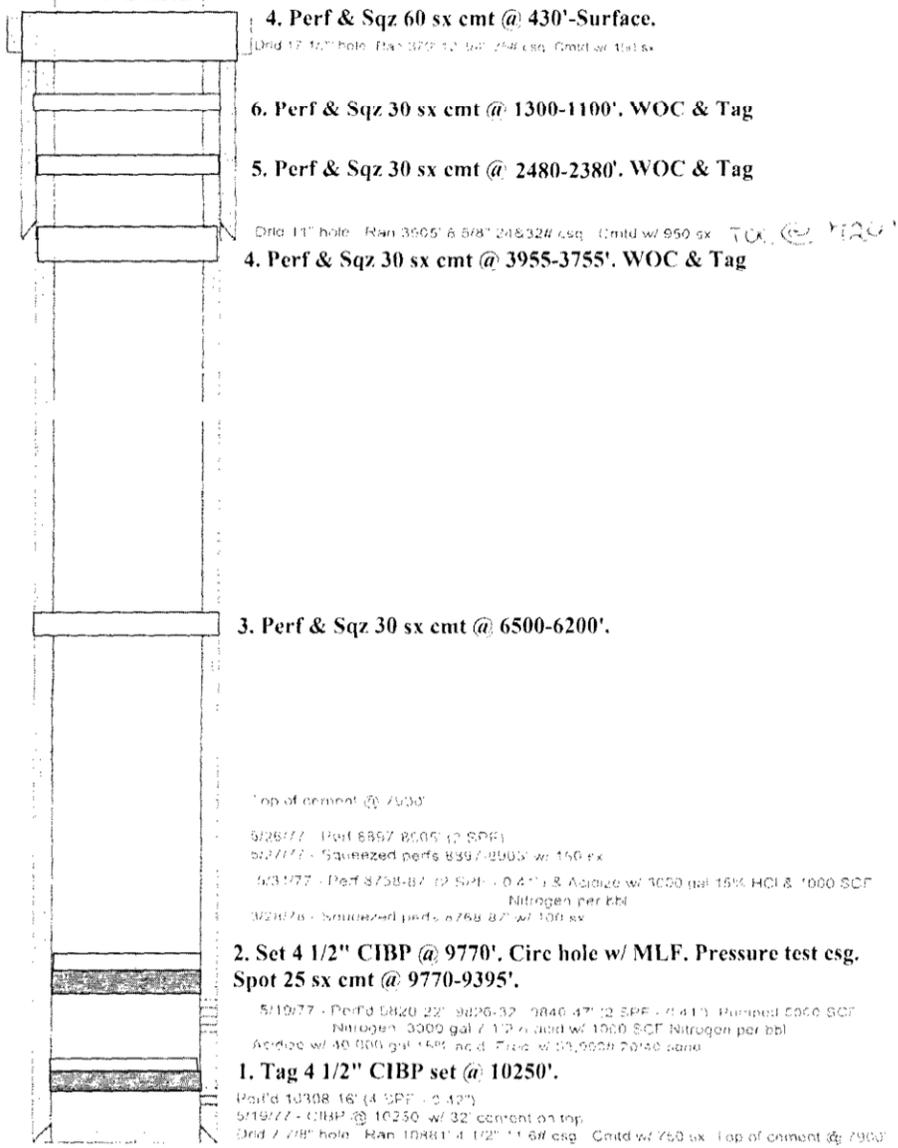
*Well Diagrams and Sundries (as applicable) follow this page...*

COG Operating LLC

Lease & Well #  
API:

Conoco State #1  
30-015-20715

Elevation - 3562  
KB -



PBTD - 10151'

TD - 11110'

Submit 1 Copy To Appropriate District Office  
 District I - (575) 393-6161  
 1625 N. French Dr., Hobbs, NM 88240  
 District II - (575) 748-1283  
 811 S. First St., Artesia, NM 88210  
 District III - (505) 334-6178  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV - (505) 476-3460  
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals and Natural Resources  
**NM OIL CONSERVATION**  
**OIL CONSERVATION DIVISION**  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

Form C-103  
 Revised July 18, 2013

FEB 22 2018  
 RECEIVED

WELL API NO. <b>30-015-20715</b>
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. <b>E 4200</b>
7. Lease Name or Unit Agreement Name <b>Conoco State</b>
8. Well Number 1
9. OGRID Number <b>229137</b>
10. Pool name or Wildcat <b>Grayburg Upper- Penn</b>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <b>3562' GR</b>

**SUNDRY NOTICES AND REPORTS ON WELLS**  
 (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well  Gas Well  Other

2. Name of Operator  
**COG Operating, LLC**

3. Address of Operator  
**600 W. Illinois Ave, Midland, TX 79701**

4. Well Location  
 Unit Letter **K** : **1980** feet from the **S** line and **1650** feet from the **W** line  
 Section **15** Township **17S** Range **29E** NMPM County **EDDY**

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL. <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

01/25/18 MIRU plugging equipment. Dug out cellar, RU pump. 01/26/18 ND well head NU BOP. Worked on unseating TAC. 01/29/18-01/30/18 Cont. freeing TAC. POH w/ 319 jts of 2 3/8" tbg. RIH w/ 4 1/2" scraper & drill bit, tag'd out @ 5100'. Worked tbg down, tag'd out w/ 168 jts in hole. POH. 01/31/18 POH w/ drill bit & scraper. Worked tbg down to 7685', tbg dragged below 5100'. POH. 02/01/18 RIH w/ drill collars & bit, tagged out @ 4200'. Worked down to 9820'. POH. 02/02/18 Set 4 1/2" CIBP @ 9770' (Per Gilbert Cordero w/ NM OCD approval). Circulated hole w/ MLF. Spot'd 25 sx class H cmt @ 9770-9457'. WOC. 02/05/18 Tag'd plug @ 9465'. Set packer @ 4500', hole would not load. RIH to perf @ 6500' (per Gilbert Cordero's request) tag'd out @ 4619'. 02/06/18 Worked wireline down & perf'd csg @ 6500'. Pressured up on perms. Spot'd 30 sx class C cmt w/ 2% CACL @ 6550-6104'. WOC. No tag. Pump'd 1 sx LCM @ 6550'. Waited for 30 mins. Spot'd 30 sx class C cmt @ 6550-6104'. WOC. 02/07/18 Tag'd plug @ 6425'. Pump'd 1 sx LCM @ 6425', waited for 30 mins. Spot'd 30 sx class C cmt w/ 2% CACL @ 6425-5972'. WOC. Tag'd plug @ 6328'. Pump'd 1 sx LCM @ 6328', waited 30 mins. Spotted 6328-5860'. WOC. 02/08/18 Tag'd plug @ 6070'. Perf'd csg @ 3955'. Sqz'd 30 sx class C cmt w/ 2% CACL @ 3955-3755'. WOC. Pressure tested plug, held 500 psi. Tag'd plug @ 3746'. Perf'd csg @ 2480'. Spot'd 30 sx class C cmt @ 2480-2380'. WOC. 02/09/18 Tag'd plug @ 2325'. Perf'd csg @ 1300'. Sqz'd 30 sx class C cmt w/ 2% CACL @ 1300-1100'. WOC. Tag'd plug @ 1048'. Perf'd csg @ 430'. Sqz'd 30 sx class C cmt @ 430-300' (Per Gilbert Cordero's approval). WOC. 02/12/18 Tag'd plug @ 265'.

Spud Date:  Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE K Castillo TITLE Regulatory Advisor DATE 2/19/18  
 Type or print name Kanicia Castillo E-mail address: KCastillo@concho.com PHONE: 432-685-4332  
**For State Use Only**

APPROVED BY: [Signature] TITLE Staff Mgr DATE 2-22-18  
 Conditions of Approval (if any):

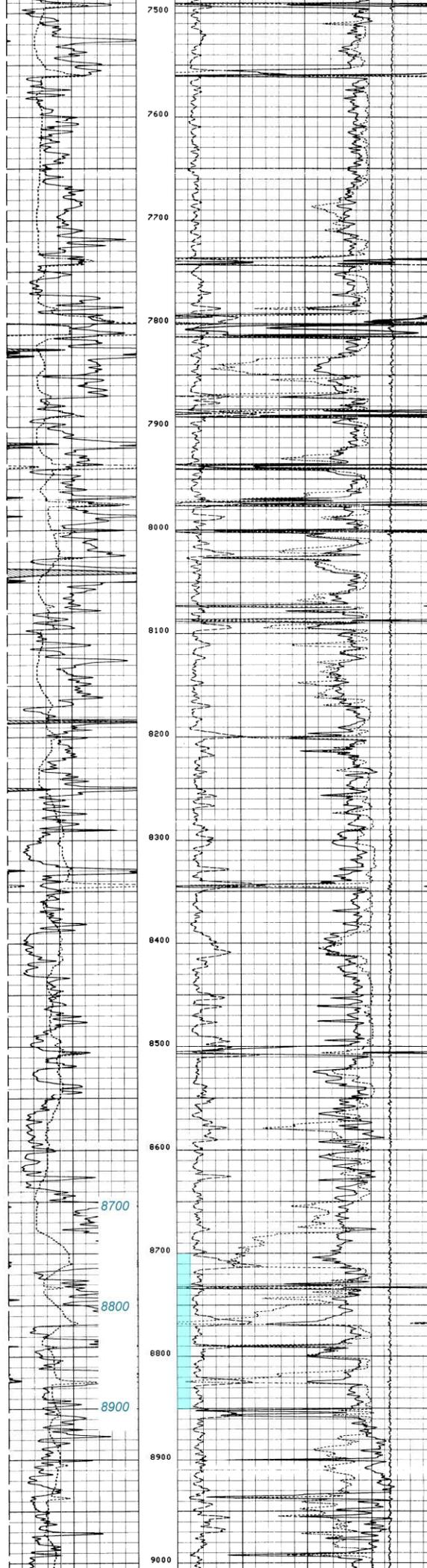
## **C-108 ITEM X – LOGS and AVAILABLE TEST DATA**

A Log Strip from the offsetting Delta Wing Federal (1/2 mile east) is included as there was no log available for the Durango 15 State.

Based on geologists original calls, the Durango is updip approximately 50 feet but targets a slightly lower interval. The log is only presented as a reference without specific control depths, the injection interval is shown with a 50-foot adjustment.

**LOG STRIP FOLLOWS...**

**LOG BODY**  
**Page 1**  
Log is on  
Delta Wing Federal #1  
located 1/2 mile east of  
subject well.



With 50-foot  
correction to Delta  
Wing Federal #1

*Depth adjustment is  
approximate and is only  
shown to represent  
corresponding porosity.*

**Injection  
Interval**

**8750 feet  
to  
8900 feet**

## **C-108 ITEM VII – PROPOSED OPERATION**

The Durango 15 State Com #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-809-A. 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 1750 psi (0.2 psi/ft) with and maximum rate of 5000 bwpd. Average daily rate is expected to be 2500 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 VIII**

### **Geological Data**

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. The upper portion becomes very shaley and is not proposed for injection.

The overall zone offer some good porosity in the proposed injection interval located from 8750 feet to 8900 feet with some very good porosity interspersed throughout the overall interval.

The Cisco is overlain by the Wolfcamp and the Canyon is underlain by the Strawn and Atoka. (See Pool Map and Data exhibit included.)

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 28-29E, groundwater depth was 76 to 80 feet. (*Note: only 1 water well depth was reported although other wells exist in the township.*)

There are 2 water wells located within one mile of the proposed SWD. The analysis of a previously collected sample is include in the 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 - Durango 15 State Com No.1 SWD**  
**SOURCE ZONE**

**ARTESIA GROUP - TNSL-YTS-7RVRS**

<b>API No</b>	3001502891	<b>Lab ID</b>	
<b>Well Name</b>	CAVE POOL UNIT 030	<b>Sample ID</b>	5128
		<b>Sample No</b>	
<b>Location</b>	ULSTR 04 17 S 29 E 990 S 2310 E	<b>Lat / Long</b>	32.85900 -104.07829
		<b>County</b>	Eddy
<b>Operator (when sampled)</b>			
	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 - Durango 15 State Com No.1 SWD**

**SOURCE ZONE**

**GRAYBURG-SAN ANDRES**

<b>API No</b>	3001502873	<b>Lab ID</b>	
<b>Well Name</b>	GULF STATE	<b>Sample ID</b>	5366
	002	<b>Sample No</b>	
<b>Location</b>	ULSTR 03 17 S 29 E	<b>Lat / Long</b>	32.86987 -104.06746
	330 N 990 W	<b>County</b>	Eddy
<b>Operator (when sampled)</b>			
	Field SQUARE LAKE		Unit 4
<b>Sample Date</b>		<b>Analysis Date</b>	
	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	
<b>Remarks</b>			

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



**C-108 Item VII.5 - Produced Water Data  
 Spur Energy Partners, LLC - Durango 15 State Com No.1 SWD**

**SOURCE ZONE**

**YESO**

<b>API No</b>	3001530307	<b>Lab ID</b>	
<b>Well Name</b>	SCHLEY FEDERAL 008	<b>Sample ID</b>	5901
		<b>Sample No</b>	
<b>Location</b>	ULSTR 29 17 S 29 E 1580 N 1650 W	<b>Lat / Long</b>	32.80836 -104.09972
		<b>County</b>	Eddy
<b>Operator (when sampled)</b>	MACK ENERGY		
	Field EMPIRE EAST	<b>Unit</b>	F
<b>Sample Date</b>	8/7/2000	<b>Analysis Date</b>	8/14/2000
	<b>Sample Source</b>	<b>Depth (if known)</b>	
	<b>Water Typ</b>		
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 - Durango 15 State Com No.1 SWD**  
**DISPOSAL ZONE**

**CISCO**

<b>API No.</b>	3001500129	<b>Lab ID</b>	
<b>Well Name</b>	SPRINGS SWD 001	<b>Sample ID</b>	5353
		<b>Sample No</b>	
<b>Location</b>	ULSTR 04 21 S 25 E 660 N 830 E	<b>Lat / Long</b>	32.52054 -104.39423
		<b>County</b>	Eddy
<b>Operator (when sampled)</b>			
	Field SEVEN RIVERS HILLS	<b>Unit</b>	1
<b>Sample Date</b>		<b>Analysis Date</b>	
	<b>Sample Source</b> SWAB	<b>Depth (if known)</b>	
	<b>Water Type</b>		
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	
<b>Remarks</b>			

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



## **C-108 ITEM VIII**

### **GEOLOGIC INFORMATION**

The Upper Penn formation (includes Cisco, Canyon, etc.) 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 500 to 600 feet in the area. The upper portion becomes very shaley and is not proposed for injection.

The Upper Penn interval offers some good porosity in the proposed injection interval located from 8750 feet to 8900 feet with some very good porosity interspersed throughout the overall interval.

The Upper Penn is overlain by the Wolfcamp 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 28-29E, groundwater depth was 76 to 80 feet. *(Note: only 1 water well depth was reported although other wells exist in the township.)*

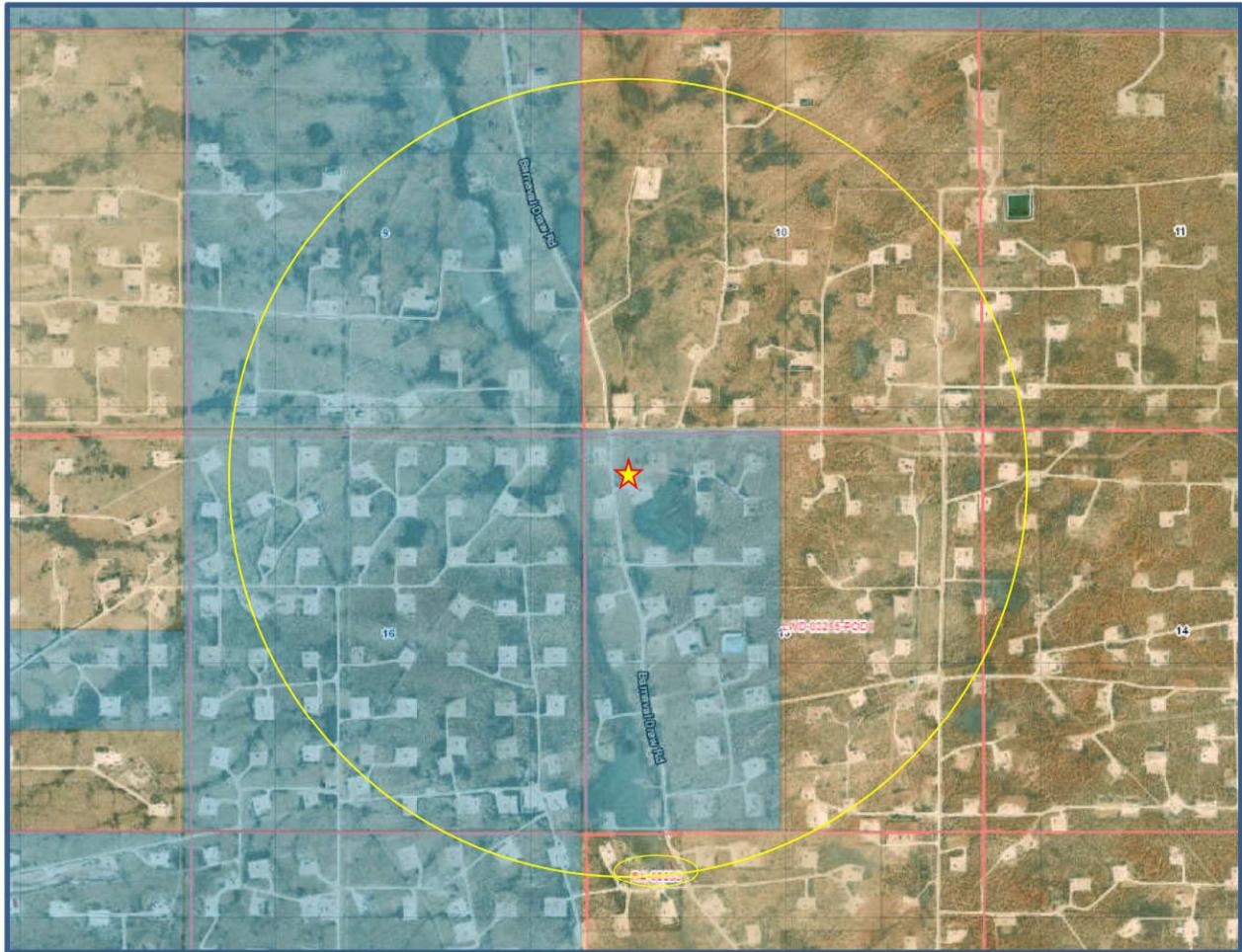
There are 2 water wells located within one mile of the proposed SWD. The analysis of a previously collected sample is include in the application.

# C-108 Item XI

Water Wells Within One Mile

## Durango 15 State Com #1 SWD - Water Well Locator Map

*NM State Engineer's records indicate 2 water wells located approximately within one mile of the proposed SWD. An existing analysis of the RA-08233 well is included herein.*





# 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
<a href="#">RA 11807 POD1</a>	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.



# New Mexico Office of the State Engineer

## Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)

C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters)

Sub basin	Use	Diversion	Owner	County	POD Number	Well Tag	Code	Grant	Source	q	q	q	q	X	Y
JTR File Nbr	PLS	STK		CH	LWD 03215 POD1				6416	4	Sec	Tws	Rng		
<a href="#">WD 03215</a>	RA	PLS	2.56 BOGLE FARMS	CH	<a href="#">LWD 03215 POD1</a>				587729		15	17S	29E	587729	36333333*
<a href="#">A 08233</a>	RA	STK	1.54 BOGLE FARMS	ED	<a href="#">RA 08233</a>				587130		1	1	22	587130	3632327*
<a href="#">A 11807</a>	<del>RA</del>	<del>GAN</del>	<del>1 MITCHEL JOHNSON</del>	<del>ED</del>	<del>RA 11807 POD1</del>				587359		22	17S	29E	587359	3631585

NOT IN AOR

Record Count: 3

**PLSS Search:**

**Section(s):** 9, 10, 15, 16, **Range:** 29E  
21, 22

**Sorted by:** File Number

JTM location was derived from PLSS - see Help

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

HALLIBURTON DIVISION LABORATORY

EXHIBIT A

HALLIBURTON SERVICES

(Section XI, Form C-108)

ARTESIA DISTRICT

MAY 25 1993

LABORATORY REPORT

No. W171-93

TO Marbob Energy Corporation
P. O. Box 304
Artesia, NM 88210

Date May 23, 1993

This report is the property of Halliburton Services and neither it nor any part thereof nor a copy thereof is to be published or disclosed without first securing the express written approval of laboratory management, it may however, be used in the course of regular business operations by any person or concern and employees thereof receiving such report from Halliburton Services

Submitted by Date Rec. May 22, 1993

Well No. Water Well Depth Formation

Field Barnesville Draw Road County Source

Table with 3 columns: Parameter, Value, and empty column. Rows include Resistivity (7.03 @ 70°), Specific Gravity (1.0015 @ 70°), pH (7.8), Calcium (2,761), Magnesium (983), Chlorides (500), Sulfates (200), Bicarbonates (488), Soluble Iron (0).

Remarks:

Respectfully submitted

Analyst: Eric Jacobson - Operations Engineer

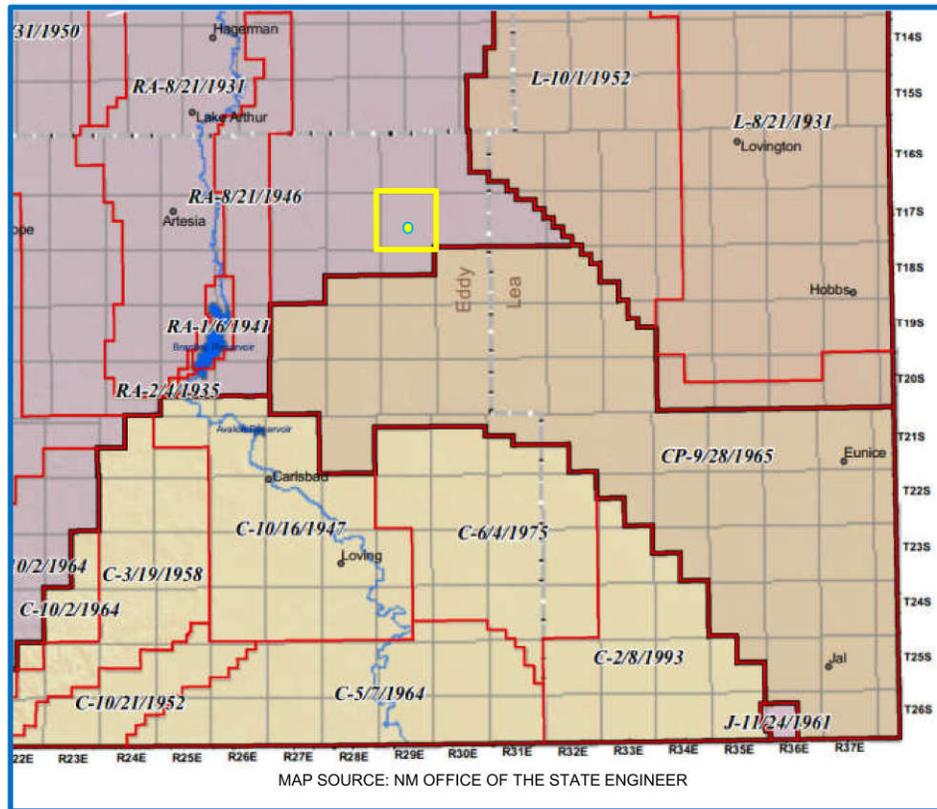
HALLIBURTON SERVICES

NOTICE:

This report is for information only and the content is limited to the sample described. Halliburton makes no warranties, express or implied, as to the accuracy of the contents or results. Any user of this report agrees Halliburton shall not be liable for any loss or damage, regardless of cause, including any act or omission of Halliburton, resulting from the use hereof

# C-108 - Item XI

## Groundwater Basins - Water Column / Depth to Groundwater



The subject well is located within the Roswell Artesian Basin.

The Roswell Artesian Basin consists of an eastward-dipping carbonate aquifer overlain by a leaky evaporitic confining unit, overlain in turn by an unconfined alluvial aquifer. The carbonate aquifer is artesian to the east but under water-table conditions in the western outcrop area.

Water-producing zones in the carbonate aquifer rise stratigraphically from north to south and from west to east. Some wells may penetrate as many as five water-producing zones. Secondary porosity is developed in vuggy and cavernous limestone, solution-collapse breccia, and solution-enlarged fractures. Recharge occurs by direct infiltration of precipitation and by runoff from intermittent losing streams flowing eastward across a broad area east of the Sacramento Mountains. (USGS)

State Engineer's records show water wells in 17S-29E with an average depth to water at 76 feet, based on ONE well record in the township.

There are 2 water wells located within one mile of the proposed SWD, 1 analysis is included.

## **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  
Delta Wing Fed and Durango 15 State SWDs  
Reviewed 5/21/2021

# **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 XIII – PROOF OF NOTIFICATION AFFECTED PARTIES LIST

**ALL AFFECTED PARTIES ARE PROVIDED A NOTICE LETTER VIA US CERTIFIED MAIL AND LINKS TO DOWNLOAD A PDF COPY OF THE SUBJECT C-108 APPLICATION OR EMAIL REQUEST.**

"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 2391

## OFFSET OPERATORS (All Notified via USPS Certified Mail)

### **State Com Agrmt Lease E0-42000-0000 (T.1 on Map)**

#### ***Lessee***

CONOCOPHILLIPS  
P.O. Box 2197  
Houston, TX 77252-2197

#### ***Operator***

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

### **Com Agrmt - BLM Leases (T.2 on Map)**

#### ***Lessee & Operator***

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

### **State Lease B1-0714-0012 (T.3 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

### **State Lease B1-0255-0014 (T.4 on Map)**

#### ***Lessee & Operator***

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

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

**State Lease E0-0950-0005 (T.5 on Map)**

***Lessee***

ZPZ DELAWARE, LLC  
2000 Post Oak Blvd., Ste.100  
Houston, TX 77056

***Operators***

- 2 ROVER OPERATING, LLC  
17304 Preston Rd., Ste.300  
Dallas, Texas 75252  
Certified: 7018 1130 0000 8738 2407
- 3 OXY USA WTP, LP  
P.O. Box 4294  
Houston, TX 77210-4294  
Certified: 7018 1130 0000 8738 2414

**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

- 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 2421

**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 DURANGO 15 ST. COM #1  
<https://www.dropbox.com/sh/bav3skyxao5ooyl/AAe16v252QkNum0BNTXLkJOa?dl=0>

USPS Certified Tracking:  
7018 1130 0000 8738 2391,  
7018 1130 0000 8738 2407,  
7018 1130 0000 8738 2414,  
7018 1130 0000 8738 2421

May 22, 2022

**NOTIFICATION TO INTERESTED PARTIES**  
**via U.S. Certified Mail – Return Receipt Requested**

To Whom It May Concern:

Spur Energy Partners, Houston, Texas, has made application to the New Mexico Oil Conservation Division to reinstate for salt water disposal its Durango 15 State Com #1 SWD. The previously authorized SWD operation will be for private water disposal from Spur's area operations. As indicated in the notice below, the well is located in Section 15, Township 17 South, Range 29 East in Eddy County, New Mexico.

The published notice states that the interval will be from 8,750 feet to 8,900 feet into the Cisco formation.

Following is the notice published in the Artesia Daily Press, Artesia, New Mexico on or about May 12, 2022.

**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 well is the Durango 15 State Com No.1 (API No.30-015-31557) and is located 660 feet from the North line and 660 feet from the West line (Unit D) of Section 15, 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 8750' to 8900' at a maximum surface pressure of 1750 psi, maximum daily rate of 5000 bwpd and an average rate of 2500 bwpd. The subject SWD well is located approximately 5.3 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](mailto:info@sosconsulting.us).

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

You are entitled to a full copy of the application. You may call or email SOS Consulting or, the PDF can be downloaded using the link: <https://www.dropbox.com/sh/bav3skyxao5ooyl/AAe16v252QkNum0BNTXLkJOa?dl=0>

Thank you for your attention in this matter.

Best regards,



Ben Stone, SOS Consulting, LLC  
Agent for Spur Energy Partners, LLC  
Cc: Application File

# C-108 - Item XIV

Proof of Notice (Certified Mail Receipts)

7018 1130 0000 8738 2391

**U.S. Postal Service™  
CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

**OFFICIAL USE**

Certified Mail Fee  
\$

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$

Return Receipt (electronic) \$

Certified Mail Restricted Delivery \$

Adult Signature Required \$

Adult Signature Restricted Delivery \$

Postage  
\$

**Total Postage and Fees** 7.38

Sent To  
Street and  
City, State  
PS Form

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

actions

USPS  
Postmark Here  
MAY 23 2022  
COMO TX 75431

7018 1130 0000 8738 2407

**U.S. Postal Service™  
CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

**OFFICIAL USE**

Certified Mail Fee  
\$

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$

Return Receipt (electronic) \$

Certified Mail Restricted Delivery \$

Adult Signature Required \$

Adult Signature Restricted Delivery \$

Postage  
\$

**Total Postage and Fees** 7.38

Sent To  
Street  
City, State  
PS Form

ROVER OPERATING, LLC  
17304 Preston Rd., Ste.300  
Dallas, Texas 75252

Instructions

USPS  
Postmark Here  
MAY 23 2022  
COMO TX 75431

7018 1130 0000 8738 2414

**U.S. Postal Service™  
CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

**OFFICIAL USE**

Certified Mail Fee  
\$

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$

Return Receipt (electronic) \$

Certified Mail Restricted Delivery \$

Adult Signature Required \$

Adult Signature Restricted Delivery \$

Postage  
\$

**Total Postage and Fees** 7.38

Sent To  
Street and  
City, State  
PS Form

OXY USA WTP, LP  
P.O. Box 4294  
Houston, TX 77210-4294

actions

USPS  
Postmark Here  
MAY 23 2022  
COMO TX 75431

7018 1130 0000 8738 2421

**U.S. Postal Service™  
CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

**OFFICIAL USE**

Certified Mail Fee  
\$

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$

Return Receipt (electronic) \$

Certified Mail Restricted Delivery \$

Adult Signature Required \$

Adult Signature Restricted Delivery \$

Postage  
\$

**Total Postage and Fees** 7.38

Sent To  
Street and  
City, State  
PS Form

Bureau of Land Management  
Oil & Gas Division  
620 E. Greene St.  
Carlsbad, NM 88220

actions

USPS  
Postmark Here  
MAY 23 2022  
COMO TX 75431

**Track Another Package +**

[NM State Land Office](#)

**Tracking Number:** 70181130000087382391

[Remove X](#)

Your item was picked up at a postal facility at 6:48 am on May 27, 2022 in SANTA FE, NM 87501.

**USPS Tracking Plus<sup>®</sup> Available** 

 **Delivered, Individual Picked Up at Postal Facility**

May 27, 2022 at 6:48 am  
SANTA FE, NM 87501

**Get Updates** 

**See More** 

[Rover Operating, LLC](#)

**Tracking Number:** 70181130000087382407

[Remove X](#)

Your item was delivered to the front desk, reception area, or mail room at 2:44 pm on May 25, 2022 in DALLAS, TX 75252.

**USPS Tracking Plus<sup>®</sup> Available** 

 **Delivered, Front Desk/Reception/Mail Room**

May 25, 2022 at 2:44 pm  
DALLAS, TX 75252

**Get Updates** 

See More 

Oxy USA WTP, LP

**Tracking Number:** 70181130000087382414

Remove 

Your item was picked up at a postal facility at 4:38 am on May 27, 2022 in HOUSTON, TX 77002.

**USPS Tracking Plus<sup>®</sup> Available** 

## **Delivered, Individual Picked Up at Postal Facility**

May 27, 2022 at 4:38 am  
HOUSTON, TX 77002

**Get Updates** 

See More 

BLM - CFO

**Tracking Number:** 70181130000087382421

Remove 

Your item was delivered to an individual at the address at 3:59 pm on May 31, 2022 in CARLSBAD, NM 88220.

**USPS Tracking Plus<sup>®</sup> Available** 

## **Delivered, Left with Individual**

May 31, 2022 at 3:59 pm  
CARLSBAD, NM 88220

**Get Updates** 

---

**Text & Email Updates**



---

**Tracking History**



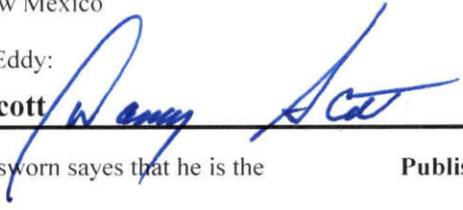
# Affidavit of Publication

No. 26140

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 May 12, 2022

Second Publication \_\_\_\_\_

Third Publication \_\_\_\_\_

Fourth Publication \_\_\_\_\_

Fifth Publication \_\_\_\_\_

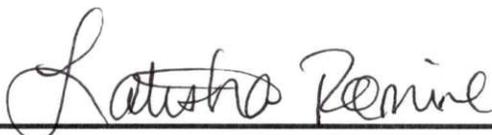
Sixth Publication \_\_\_\_\_

Seventh Publication \_\_\_\_\_

Subscribed and sworn before me this

12th day of May 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 well is the Durango 15 State Com No.1 (API No.30-015-31557) and is located 660 feet from the North line and 660 feet from the West line (Unit D) of Section 15, 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 8750' to 8900' at a maximum surface pressure of 1750 psi, maximum daily rate of 5000 bwpd and an average rate of 2500 bwpd. The subject SWD well is located approximately 5.3 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., May 12, 2022 Legal No. 26140.