

# Initial Application Part I

Received: 05/15/2022

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

RECEIVED: 05/15/2022	REVIEWER:	TYPE: SWD	APP NO: pJZT2215943404
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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:** M. Dodd B Deep Federal No.2 SWD **API:** 30-015-31041  
**Pool:** SWD; Upper Penn **Pool Code:** 96134

**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-2485

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

**FOR OCD ONLY**

- ☐ Notice Complete  
☐ 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

5/16/2022

Date

903-488-9850

Phone Number

ben@sosconsulting.us

e-mail Address

Signature



May 16, 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 M. Dodd B Deep Federal #2 SWD, located in Section 14, 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 M. Dodd B Deep Federal #2. The well was previously authorized by another operator for salt water disposal by division order SWD-981. 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 5, 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 BLM 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,

A handwritten signature in blue ink, appearing to read "Ben Stone", is written over a light blue horizontal line.

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. ***(3 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 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; only unitized federal minerals operated by applicant – BLM has 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: ***5/16/2022***

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.

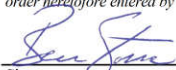
Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (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.**

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**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.

16					<b>17 OPERATOR CERTIFICATION</b> <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>  Signature 5/12/2022 Date Ben Stone Printed Name ben@sosconsulting.us E-mail Address
					<b>18 SURVEYOR CERTIFICATION</b> <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> June 18, 1996 Date of Survey Signature and Seal of Professional Surveyor:  Ronald Eidson 3239 Certificate Number

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

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

Wellbore Diagram – PROPOSED

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

3 AOR Wells Penetrate the Proposed Injection Interval;  
1 P&A'd Diagram Attached  
1 P&A Approved NOI Attached

### **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.



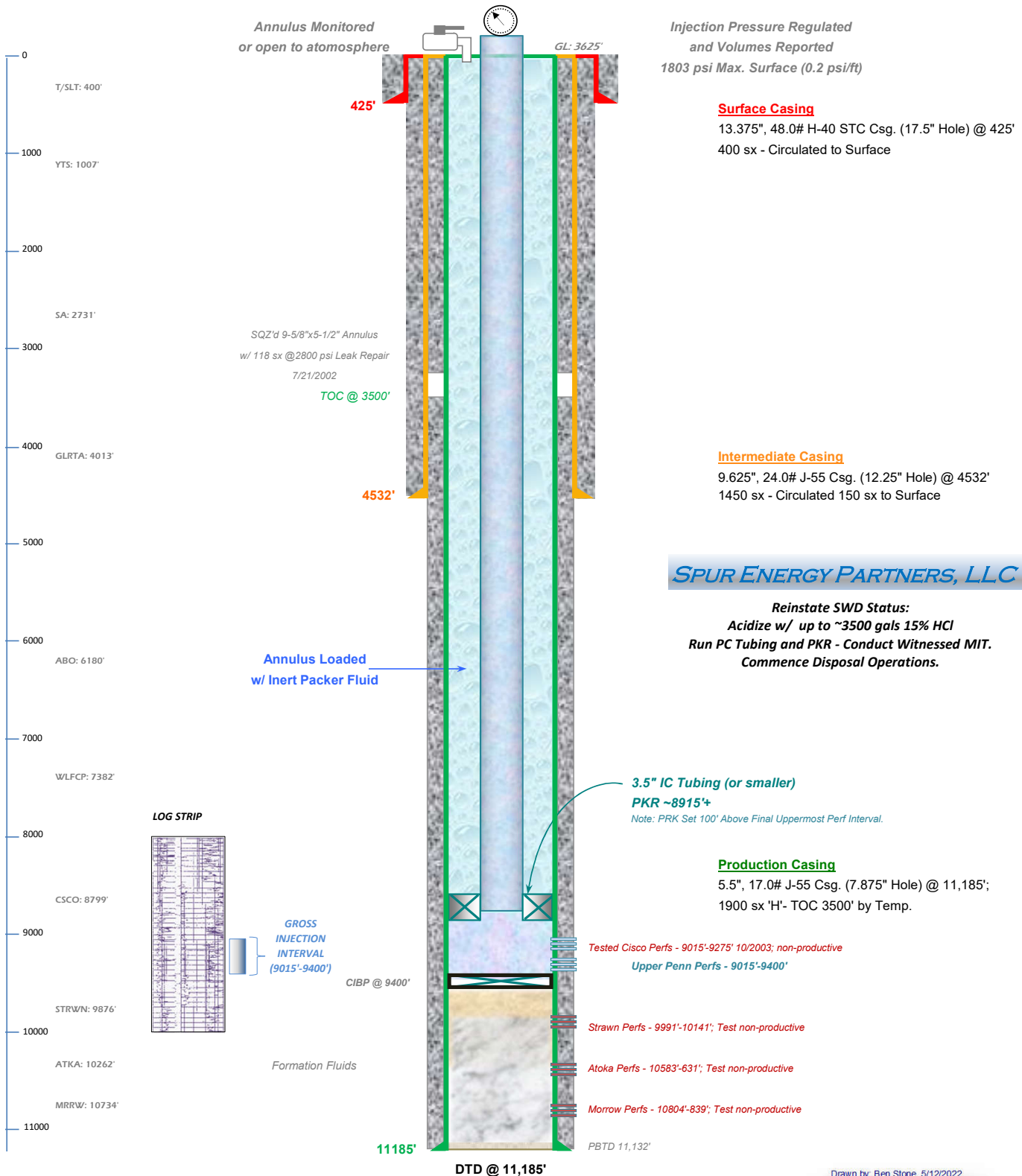


# WELL SCHEMATIC - PROPOSED M. Dodd B Deep Federal Well No.2 SWD

API 30-015-31041  
1980' FNL & 1295' FEL, SEC. 14-T17S-R29E  
EDDY COUNTY, NEW MEXICO

SWD; Upper Penn (96134)

Spud Date: 10/26/2000  
Config SWD Dt: Converted 9/2004  
Reinstate SWD-981: ASAP 6/15/2022



SPUR ENERGY PARTNERS, LLC

Reinstate SWD Status:  
Acidize w/ up to ~3500 gals 15% HCl  
Run PC Tubing and PKR - Conduct Witnessed MIT.  
Commence Disposal Operations.

Drawn by: Ben Stone, 5/12/2022  
SOS Consulting, LLC



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

Top of Proposed UPPER PENN Interval 9015'			3 Wells Penetrate Proposed Interval.							
API	Current Operator	Well Name	Well No.	Type	Lease	Status	ULSTR	Depth	Plugged On	
<i>Subject Well</i>										
30-015-31041	[328947] Spur Energy Partners LLC	M DODD B DEEP FEDERAL	#002	SWD	Federal	Active	H-14-17S-29E	11185'		
<i>Section 14 Wells</i>										
30-015-02975	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#029	Oil	Federal	Active	A-14-17S-29E	3785'		
30-015-34562	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#105	Oil	Federal	Active	A-14-17S-29E	4550'		
30-015-34563	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#106	Oil	Federal	Active	A-14-17S-29E	4562'		
30-015-39606	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#602	Oil	Federal	Active	A-14-17S-29E	4582'		
30-015-40455	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#603	Oil	Federal	Active	A-14-17S-29E	4555'		
30-015-42243	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#626	Oil	Federal	Active	A-14-17S-29E	4557'		
30-015-02974	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#028	Oil	Federal	Active	B-14-17S-29E	4542'		
30-015-40599	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#587	Oil	Federal	Active	B-14-17S-29E	4557'		
30-015-39605	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#601	Oil	Federal	Active	B-14-17S-29E	4560'		
30-015-02978	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#027	Inj.	Federal	Active	C-14-17S-29E	4470'		
30-015-36731	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#131	Oil	Federal	Active	C-14-17S-29E	5010'		
30-015-40453	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#599	Oil	Federal	Active	C-14-17S-29E	4563'		
30-015-39667	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#613	Oil	Federal	Active	C-14-17S-29E	4580'		
30-015-02980	[14049] MARBOB ENERGY CORP	DODD FEDERAL UNIT	#024	Inj.	Federal	P&A-R	D-14-17S-29E	3380'	11/3/2006	
30-015-36416	[14744] MEWBOURNE OIL CO	PACU 14 FEDERAL COM	#001	Gas	Federal	P&A-R	D-14-17S-29E	10970'	12/22/2008	P&A diagram attached...
30-015-25790	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#023	Inj.	Federal	Active	D-14-17S-29E	4496'		
30-015-25456	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#025	Inj.	Federal	Active	D-14-17S-29E	4560'		
30-015-25340	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#026	Oil	Federal	Active	D-14-17S-29E	5838'		
30-015-35622	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#114	Oil	Federal	Active	D-14-17S-29E	5000'		
30-015-40454	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#600	Oil	Federal	Active	D-14-17S-29E	4593'		
30-015-39666	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#611	Oil	Federal	Active	D-14-17S-29E	4565'		
30-015-40474	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#675	Oil	Federal	Active	D-14-17S-29E	4576'		
30-015-40634	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#916H	Oil	Federal	Active	D-14-17S-29E	9221'		
30-015-20005	[14049] MARBOB ENERGY CORP	M DODD B	#017A	Oil	Federal	P&A-R	E-14-17S-29E	2700'	2/26/1996	
30-015-25168	[14049] MARBOB ENERGY CORP	M DODD B	#049	Oil	Federal	P&A-R	E-14-17S-29E	3550'	6/4/2001	
30-015-25175	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#037	Inj.	Federal	Active	E-14-17S-29E	4545'		
30-015-34561	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#104	Oil	Federal	Active	E-14-17S-29E	4550'		

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

30-015-39946	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#612	Oil	Federal	Active	E-14-17S-29E	4766'	
30-015-25294	[14049] MARBOB ENERGY CORP	DODD FEDERAL UNIT	#036	Oil	Federal	P&A-R	F-14-17S-29E	4563'	4/2/2008
30-015-02979	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#007	Oil		P&A-R	F-14-17S-29E	3458'	1/1/1900
30-015-35615	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#122	Oil	Federal	Active	F-14-17S-29E	5010'	
30-015-40473	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#671	Oil	Federal	Active	F-14-17S-29E	4575'	
30-015-24901	[229137] COG OPERATING LLC	DODD FEDERAL UNIT	#033	Oil	Federal	P&A-R	G-14-17S-29E	3465'	9/20/2017
30-015-25231	[229137] COG OPERATING LLC	DODD FEDERAL UNIT	#035	Oil	Federal	P&A-R	G-14-17S-29E	4500'	3/28/2013
30-015-37113	[328947] Spur Energy Partners LLC	BEE FEDERAL	#001	Oil	Federal	Active	G-14-17S-29E	5700'	
30-015-20078	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#034	Oil	Federal	Active	G-14-17S-29E	2703'	
30-015-40595	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#510	Oil	Federal	Active	G-14-17S-29E	4559'	
30-015-39668	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#614	Oil	Federal	Active	G-14-17S-29E	4575'	
30-015-25230	[229137] COG OPERATING LLC	DODD FEDERAL UNIT	#030	Oil	Federal	P&A-R	H-14-17S-29E	4585'	8/24/2017
30-015-02976	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#031	Oil	Federal	Active	H-14-17S-29E	4558'	
30-015-24900	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#032	Oil	Federal	Active	H-14-17S-29E	3464'	
30-015-39868	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#616	Oil	Federal	Active	H-14-17S-29E	4447'	
30-015-39319	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#627	Oil	Federal	Active	H-14-17S-29E	4566'	
30-015-40635	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#919H	Oil	Federal	Active	H-14-17S-29E	4774'	
30-015-29286	[328947] Spur Energy Partners LLC	M DODD B DEEP FEDERAL	#001	Oil	Federal	Active	H-14-17S-29E	10995'	
<i>Well completed as STRAWN gas producer w/ perfs 10,027'-10,155'; 5.5" csg set 11,005' w/ 1740 sx, TOC 1100'; 9.625" csg set 2908 w/ 1200 sx, Circulated</i>									
30-015-31041	[328947] Spur Energy Partners LLC	M DODD B DEEP FEDERAL	#002	SWD	Federal	Active	H-14-17S-29E	11185'	
30-015-24842	[229137] COG OPERATING LLC	DODD FEDERAL UNIT	#053	Oil	Federal	P&A-R	I-14-17S-29E	3460'	8/8/2015
30-015-02977	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#003	Oil		P&A-R	I-14-17S-29E	3029'	1/1/1900
30-015-25828	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#051	Oil	Federal	Active	I-14-17S-29E	4560'	
30-015-24844	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#052	Oil	Federal	Active	I-14-17S-29E	3466'	
30-015-40700	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#598	Oil	Federal	Active	I-14-17S-29E	4558'	
30-015-40456	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#621	Oil	Federal	Active	I-14-17S-29E	4553'	
30-015-39911	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#628	Oil	Federal	Active	I-14-17S-29E	4600'	
30-015-44368	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#920H	Oil	Federal	Active	I-14-17S-29E	4766'	
30-015-42995	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#921H	Oil	Federal	Active	I-14-17S-29E	4876'	
30-015-26220	[229137] COG OPERATING LLC	DODD FEDERAL UNIT	#046	Oil	Federal	P&A-R	J-14-17S-29E	4556'	5/24/2019
30-015-24928	[229137] COG OPERATING LLC	DODD FEDERAL UNIT	#047	Oil	Federal	P&A-R	J-14-17S-29E	3525'	3/26/2015
30-015-20037	[14049] MARBOB ENERGY CORP	M DODD B	#022	Inj.	Federal	P&A-R	J-14-17S-29E	2700'	5/24/2001
30-015-26365	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#048	Oil	Federal	Active	J-14-17S-29E	4535'	
30-015-26227	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#049	Oil	Federal	Active	J-14-17S-29E	4585'	

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

30-015-24849	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#050	Oil	Federal	Active	J-14-17S-29E	3460'	
30-015-39282	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#625	Oil	Federal	Active	J-14-17S-29E	4535'	
30-015-20026	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#018	Oil	Federal	P&A-R	K-14-17S-29E	2700'	1/1/1900
30-015-24929	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#044	Oil	Federal	Active	K-14-17S-29E	3535'	
30-015-24843	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#045	Oil	Federal	Active	K-14-17S-29E	4010'	
30-015-35621	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#115	Oil	Federal	Active	K-14-17S-29E	4600'	
30-015-38638	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#622	Oil	Federal	Active	K-14-17S-29E	4571'	
30-015-40386	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#623	Oil	Federal	Active	K-14-17S-29E	4578'	
30-015-40457	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#624	Oil	Federal	Active	K-14-17S-29E	4577'	
30-015-25397	[229137] COG OPERATING LLC	DODD FEDERAL UNIT	#041	Oil	Federal	P&A-R	L-14-17S-29E	4463'	10/18/2017
30-015-02981	[14049] MARBOB ENERGY CORP	DODD FEDERAL UNIT	#042	Inj.	Federal	P&A-R	L-14-17S-29E	2424'	11/9/2006
<b>30-015-26198</b>	<b>[328947] Spur Energy Partners LLC</b>	<b>DODD FEDERAL UNIT</b>	<b>#043</b>	<b>Inj.</b>	<b>Federal</b>	<b>Active</b>	<b>L-14-17S-29E</b>	<b>11025'</b>	
<i>Sundry Intent to P&amp;A on file...</i>									
30-015-35478	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#116	Oil	Federal	Active	L-14-17S-29E	4540'	
30-015-40665	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#677	Oil	Federal	Active	L-14-17S-29E	4554'	
30-015-40476	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#684	Oil	Federal	Active	L-14-17S-29E	4553'	
30-015-02995	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#063	Oil	Federal	Active	M-14-17S-29E	3311'	
30-015-24947	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#064	Oil	Federal	Active	M-14-17S-29E	3463'	
30-015-34499	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#103	Oil	Federal	Active	M-14-17S-29E	4520'	
30-015-38573	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#634	Oil	Federal	Active	M-14-17S-29E	4544'	
30-015-40893	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#636	Oil	Federal	Active	M-14-17S-29E	4573'	
30-015-40636	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#922H	Oil	Federal	Active	M-14-17S-29E	4771'	
30-015-25113	[229137] COG OPERATING LLC	DODD FEDERAL UNIT	#060	Oil	Federal	P&A-R	N-14-17S-29E	3535'	9/12/2017
30-015-26282	[229137] COG OPERATING LLC	DODD FEDERAL UNIT	#062	Oil	Federal	P&A-R	N-14-17S-29E	4555'	8/22/2018
30-015-24768	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#061	Oil	Federal	Active	N-14-17S-29E	3467'	
30-015-40002	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#638	Oil	Federal	Active	N-14-17S-29E	4565'	
30-015-40475	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#683	Oil	Federal	Active	N-14-17S-29E	4565'	
30-015-37116	[328947] Spur Energy Partners LLC	MARY FEDERAL	#004	Oil	Federal	Active	N-14-17S-29E	5651'	
30-015-24616	[229137] COG OPERATING LLC	DODD FEDERAL UNIT	#057	Oil	Federal	P&A-R	O-14-17S-29E	3453'	4/3/2013
30-015-25834	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#056	Oil	Federal	Active	O-14-17S-29E	4580'	
30-015-20483	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#058	Oil	Federal	Active	O-14-17S-29E	3380'	
30-015-25136	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#059	Oil	Federal	Active	O-14-17S-29E	4630'	
30-015-40458	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#639	Oil	Federal	Active	O-14-17S-29E	4551'	
30-015-39912	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#640	Oil	Federal	Active	O-14-17S-29E	4581'	

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

30-015-24526	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#054	Oil	Federal	Active	P-14-17S-29E	3510'	
30-015-25700	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#055	Oil	Federal	Active	P-14-17S-29E	4585'	
30-015-41586	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#637	Oil	Federal	Active	P-14-17S-29E	4599'	
30-015-40004	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#668	Oil	Federal	Active	P-14-17S-29E	4583'	
30-015-44151	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#923H	Oil	Federal	Active	P-14-17S-29E	4766'	

### Section 13 Wells

30-015-02972	[14049] MARBOB ENERGY CORP	BURCH KEELY UNIT	#002	Oil	Federal	P&A-R	D-13-17S-29E	99999'	10/18/1995
30-015-39438	[328947] Spur Energy Partners LLC	BURCH KEELY UNIT	#505	Oil	Federal	Active	D-13-17S-29E	4612'	
30-015-39313	[328947] Spur Energy Partners LLC	BURCH KEELY UNIT	#508	Oil	Federal	Active	D-13-17S-29E	4617'	
30-015-40969	[328947] Spur Energy Partners LLC	BURCH KEELY UNIT	#930H	Oil	Federal	Active	D-13-17S-29E	4886'	
30-015-42761	[328947] Spur Energy Partners LLC	BURCH KEELY UNIT	#931H	Oil	Federal	Active	D-13-17S-29E	4857'	
30-015-43060	[229137] COG OPERATING LLC	BURCH KEELY UNIT	#521	Oil	Federal	New	E-13-17S-29E	0'	Not Drilled
30-015-20339	[14049] MARBOB ENERGY CORP	BURCH KEELY UNIT	#016	Oil	Federal	P&A-R	E-13-17S-29E	2585'	10/20/1995
30-015-33796	[328947] Spur Energy Partners LLC	BURCH KEELY UNIT	#377	Oil	Federal	Active	E-13-17S-29E	4650'	
30-015-33798	[328947] Spur Energy Partners LLC	BURCH KEELY UNIT	#389	Oil	Federal	Active	E-13-17S-29E	4590'	
30-015-40970	[328947] Spur Energy Partners LLC	BURCH KEELY UNIT	#933H	Oil	Federal	Active	E-13-17S-29E	4884'	
30-015-20427	[229137] COG OPERATING LLC	BURCH KEELY UNIT	#017	Oil	Federal	P&A-R	L-13-17S-29E	2606'	2/10/2014
30-015-33801	[328947] Spur Energy Partners LLC	BURCH KEELY UNIT	#371	Oil	Federal	Active	L-13-17S-29E	4560'	
30-015-35399	[328947] Spur Energy Partners LLC	BURCH KEELY UNIT	#398	Oil	Federal	Active	L-13-17S-29E	4600'	
30-015-42748	[328947] Spur Energy Partners LLC	BURCH KEELY UNIT	#935H	Oil	Federal	Active	L-13-17S-29E	4868'	
30-015-20378	[328947] Spur Energy Partners LLC	BURCH KEELY UNIT	#035	Oil	Federal	Active	M-13-17S-29E	3226'	
30-015-29020	[328947] Spur Energy Partners LLC	BURCH KEELY UNIT	#255	Oil	Federal	Active	M-13-17S-29E	4600'	

### Section 11 Wells

30-015-02953	[229137] COG OPERATING LLC	DODD FEDERAL UNIT	#014	Oil	Federal	P&A-R	O-11-17S-29E	2540'	12/18/2018
30-015-25461	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#013	Oil	Federal	Active	O-11-17S-29E	4565'	
30-015-34564	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#107	Oil	Federal	Active	O-11-17S-29E	4550'	
30-015-40596	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#521	Oil	Federal	Active	O-11-17S-29E	4561'	
30-015-02950	[14049] MARBOB ENERGY CORP	DODD FEDERAL UNIT	#012	Inj.	Federal	P&A-R	P-11-17S-29E	2525'	10/26/2006
30-015-02949	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#001	Oil		P&A-R	P-11-17S-29E	2532'	1/1/1900
30-015-39603	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#591	Oil	Federal	Active	P-11-17S-29E	4570'	

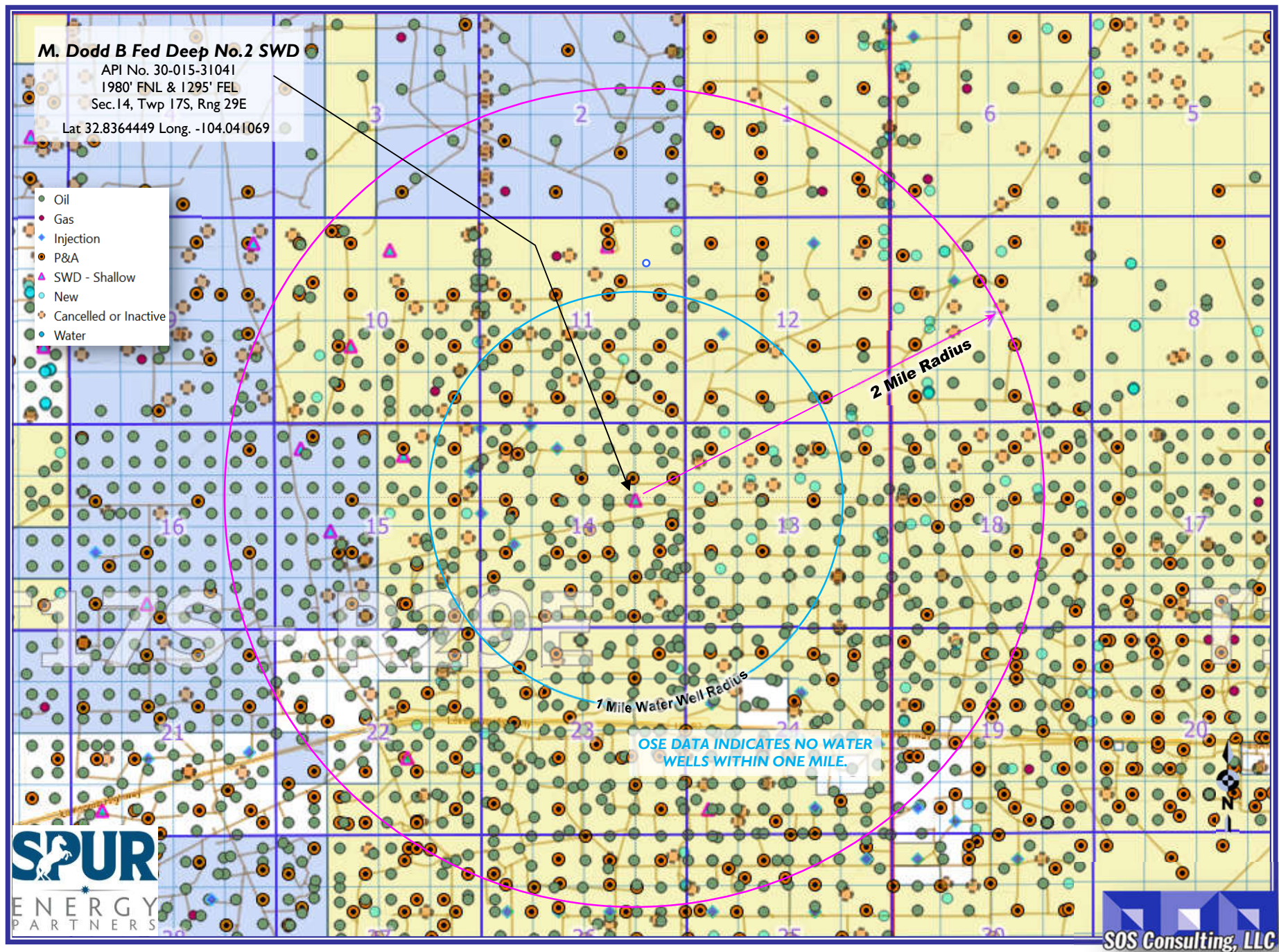
**SUMMARY: 3 wells penetrate the proposed disposal interval; 1 P&A.**





# M. Dodd B Federal Deep No.2 SWD - Area of Review / 2 Miles

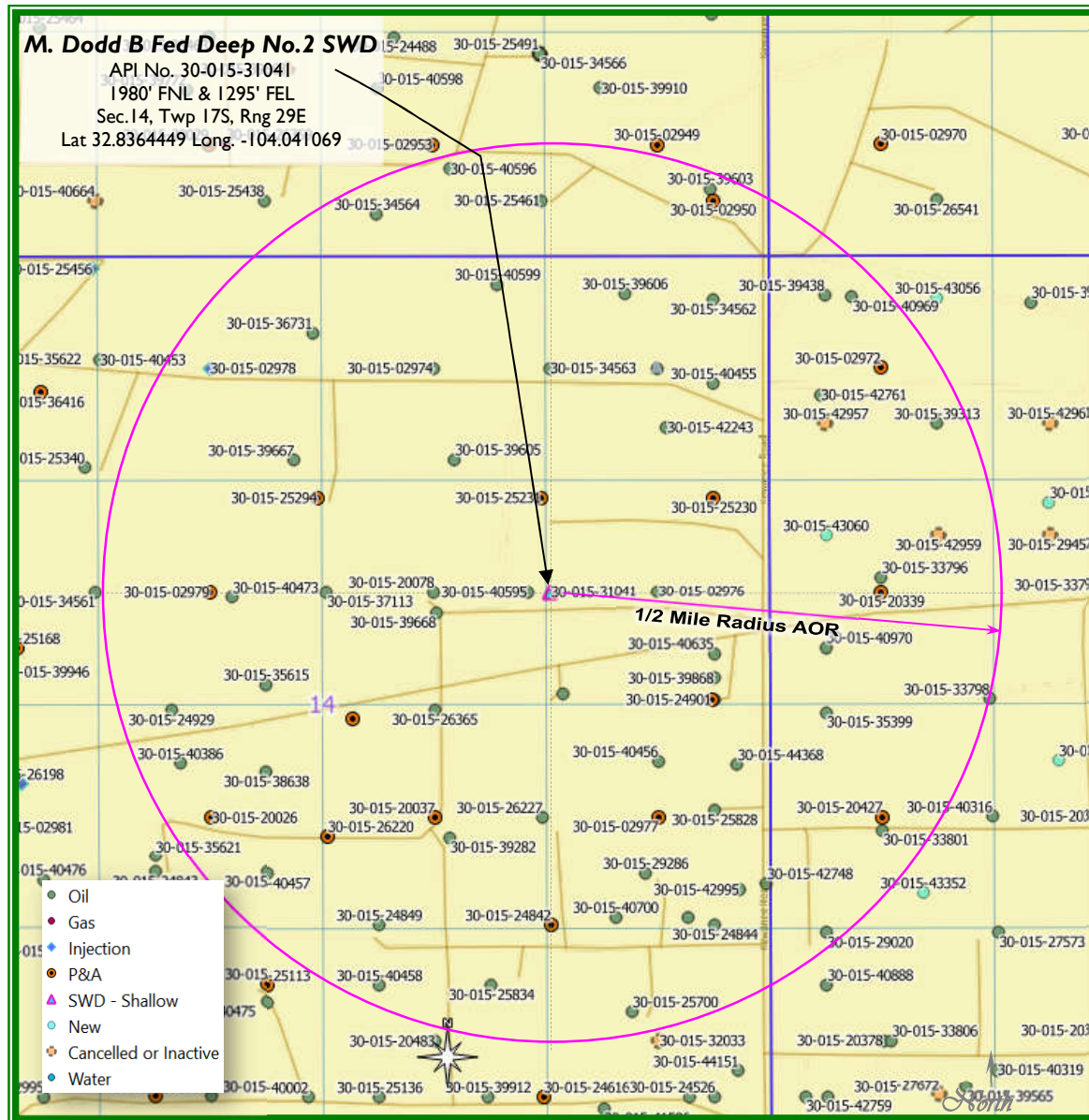
(Attachment to NMOCD Form C-I08 - Item V)



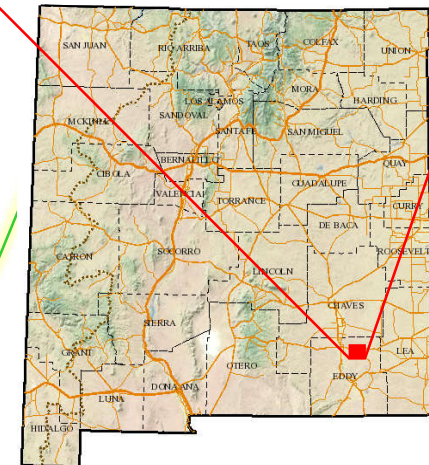
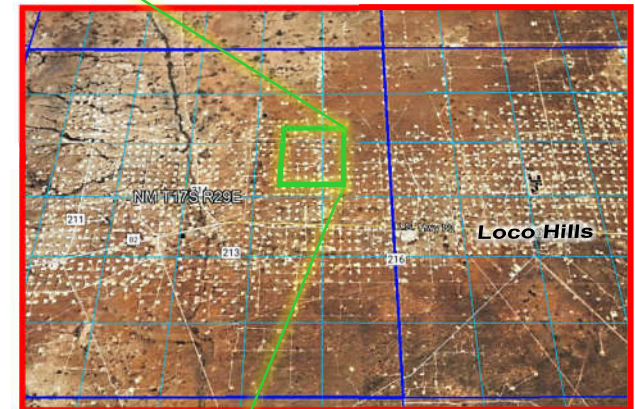


# M. Dodd B Federal Deep No.2 SWD - Area of Review / Overview Map

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



~3.8 miles West / Northwest  
of Loco Hills, NM



Eddy County, New Mexico



## **C-108 ITEM VI**

### **AOR Well Information**

#### **Plugged Well Schematics**

There is 1 P&A'd Well Within the AOR and  
1 with an Approved P&A Intent Sundry Notice  
Which Penetrate the Proposed Injection Zone.

30-015-36416 – P&A, Diagram Attached

30-015-26198 – P&A NOI Attached

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

# PLUGGED WELL SCHEMATIC

## Pacu 14 Federal Com Well No.1

WELL PLUGGED BY:  
MEWBOURNE OIL CO

API 30-015-36416  
800' FNL & 990' FWL, SEC. 14-T17S-R29E  
EDDY COUNTY, NEW MEXICO

Spud Date: 11/11/2008

P&A Date: 12/21/2008

<PLUGGING ITEMS LISTED LEFT>

P&A Marker CHF 3573.9'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

### PLUGS:

Spot 320 sx  
@ 950'  
Circ 10 sx to Pit

Spot 50 sx Cmt  
3060' & Tagged @ 2921'

Spot 70 sx Cmt  
4032' & Tagged @ 3839'

Spot 65 sx Cmt  
@ 5265'

Spot 85 sx Cmt  
7440' & Tagged @ 7196'

Formation Fluids

Spot 100 sx Cmt  
@ 8980'

Spot 220 sx Cmt  
10970' & Tagged @ 10412'

DTD @ 10970'

### Surface Casing

13.375", 48.0# H4 ST&C Csg. (17.5" Hole) @ 350'  
450 sxs - 580 sx Circulated 10 sx to Surface

### Intermediate Casing

9.625", 40.0# N-80 Csg. (12.25" Hole) @ 3011'  
1050 sxs - 90 sx Circulated to Surface

### <P&A SUBSEQUENT SUNDRY>

Form 3160-5  
(September 2001)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCDA-ARTESIA

FORM APPROVED  
OMB No. 1004-0135  
Expires: January 31, 2004



SUNDRY NOTICES AND REPORTS ON WELLS  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side	
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	2. Name of Operator Mewbourne Oil Company 14744
3a. Address PO Box 5270 Hobbs, NM 88241	3b. Phone No. (include area code) 575-591-5905
4. Location of Well (Postage, Sec., T., R., M., or Survey Description) 800' FNL & 990' FWL, Sec 14-T17S-R29E Unit D	
5. Lease Serial No. NMLC-08731-8	
6. If Indian, Allottee or Tribe Name	
7. If Unit or CA/Agreement, Name and/or No.	
8. Well Name and No. Pacu 14 Federal Com #1	
9. API Well No. 30-015-36416	
10. Field and Pool, or Exploratory Area Grayburg Morrow	
11. County or Parish, State Eddy County, NM	

### 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Change Plans
	<input type="checkbox"/> Convert to Injection
	<input type="checkbox"/> Deepen
	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> New Construction
	<input checked="" type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Plug Back
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Recombine
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Water Disposal
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input type="checkbox"/> Other

3. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

12/19/08...TD'd hole @ 10970'. Ran logs.

ACCEPTED FOR RECORD

12/21/08 Decision made to P&A well at 10970'. Contacted BLM for plugging orders & submitted NOI. Plugged well as follows:

JAN 21 2009

Set 1st plug with 220 sks Class H Neat at 10970'. Mixed @ 15.68/g w/1.18 yd. WOC. Tagged @ 10412'  
Set 2nd plug with 100 sks Class H Neat at 8980'. WOC. Tagged @ 7196'  
Set 3rd plug with 85 sks Class H Neat at 7440'. WOC. Tagged @ 7196'  
Set 4th plug with 65 sks Class C Neat at 5265'. Mixed @ 14.88/g w/1.32 yd.  
Set 5th plug with 70 sks Class C Neat at 4032'. WOC. Tagged @ 3839'.  
Set 6th plug with 50 sks Class C Neat at 3060'. WOC. Tagged @ 2921'.  
Set 7th plug with 320 sks Class C Neat at 950'. Circulated 10 sks cement to pit.

Gerry Gagne, Deputy Field Inspector  
NMOCD-District II ARTESIA

12/22/08...P&A'd well at 9:45 pm 12/22/08. Released Patterson/UTI at 4:30 am 12/23/08.  
Will file for final P&A approval after location and pits are cleaned.

Approved as to plugging of the well bond.  
Liability under bond is retained until  
Surface restoration is completed.

14. I hereby certify that the foregoing is true and correct	
Name (Printed/Typed) Jackie Lathan	Title Hobbs Regulatory
Signature <i>Jackie Lathan</i>	Date 12/30/08
APPROVED	
Approved by (Signature) <i>James A. Amos</i>	Name (Printed/Typed) JAMES A. AMOS
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Title JAN 1 2009
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	

(Continued on next page)



Drawn by: Ben Stone, 5/14/2022

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No.  
NMLC028731A

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2**7. If Unit or CA/Agreement, Name and/or No.  
NMNM111789X8. Well Name and No.  
DODD FEDERAL UNIT 439. API Well No.  
30-015-2619810. Field and Pool or Exploratory Area  
GRBG JACKSON;7R-Q-GRBG-SA11. County or Parish, State  
EDDY CO COUNTY, NM**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompletable horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

1. Tag existing 8 5/8" CIBP @ 4356'.  
2. Set 8 5/8" CIBP @ 4112'. Circ hole w/ MLF. Pressure test csg. Spot 45 sx cmt @ 4112-4000'. **3928**  
3. Spot 45 sx cmt @ ~~2600-2500'~~ (San Andres) **2759 - 2491. WOC TAG**  
4. Spot 45 sx cmt @ 1350-1250'. WOC & Tag (B/Salt).  
5. Spot 150 sx cmt @ 490' to surface.  
6. Cut off well head, verify cmt to surface, weld on Below Ground Dry Hole Marker.

JUN 25 2019

DISTRICT II-ARTESIA O.C.D.

Gc 6/25/19  
Accepted for record - NMOCSEE ATTACHED FOR  
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #463095 verified by the BLM Well Information System  
For COG OPERATING, LLC, sent to the Carlsbad  
Committed to AFMSS for processing by DEBORAH MCKINNEY on 04/26/2019 ()

Name (Printed/Typed) ABIGAIL ANDERSON

Title AGENT

Signature (Electronic Submission)

Date 04/25/2019

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

# COG Operating, LLC

## Lease & Well #

3001526198

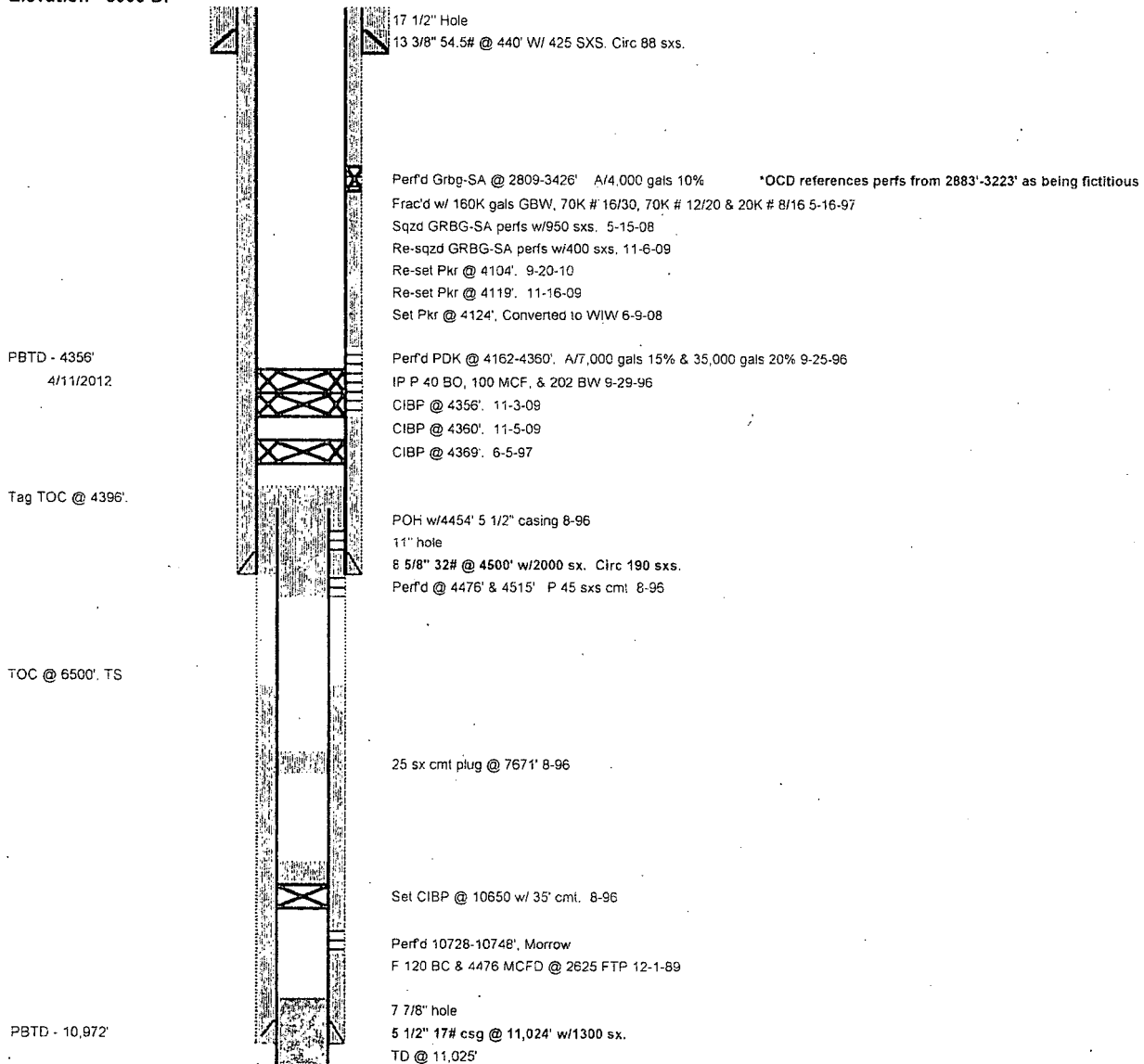
Spud date 10-10-89

Completion date 11-13-89

Elevation - 3603 DF

## Dodd Federal Unit #43 WIW

Sec 14 T 17S R 29E, 2180 FSL & 860 FWL UNIT L  
EDDY CO., NM



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-104.0512466

# COG Operating, LLC

## Lease & Well #

3001526198

Spud date 10-10-89

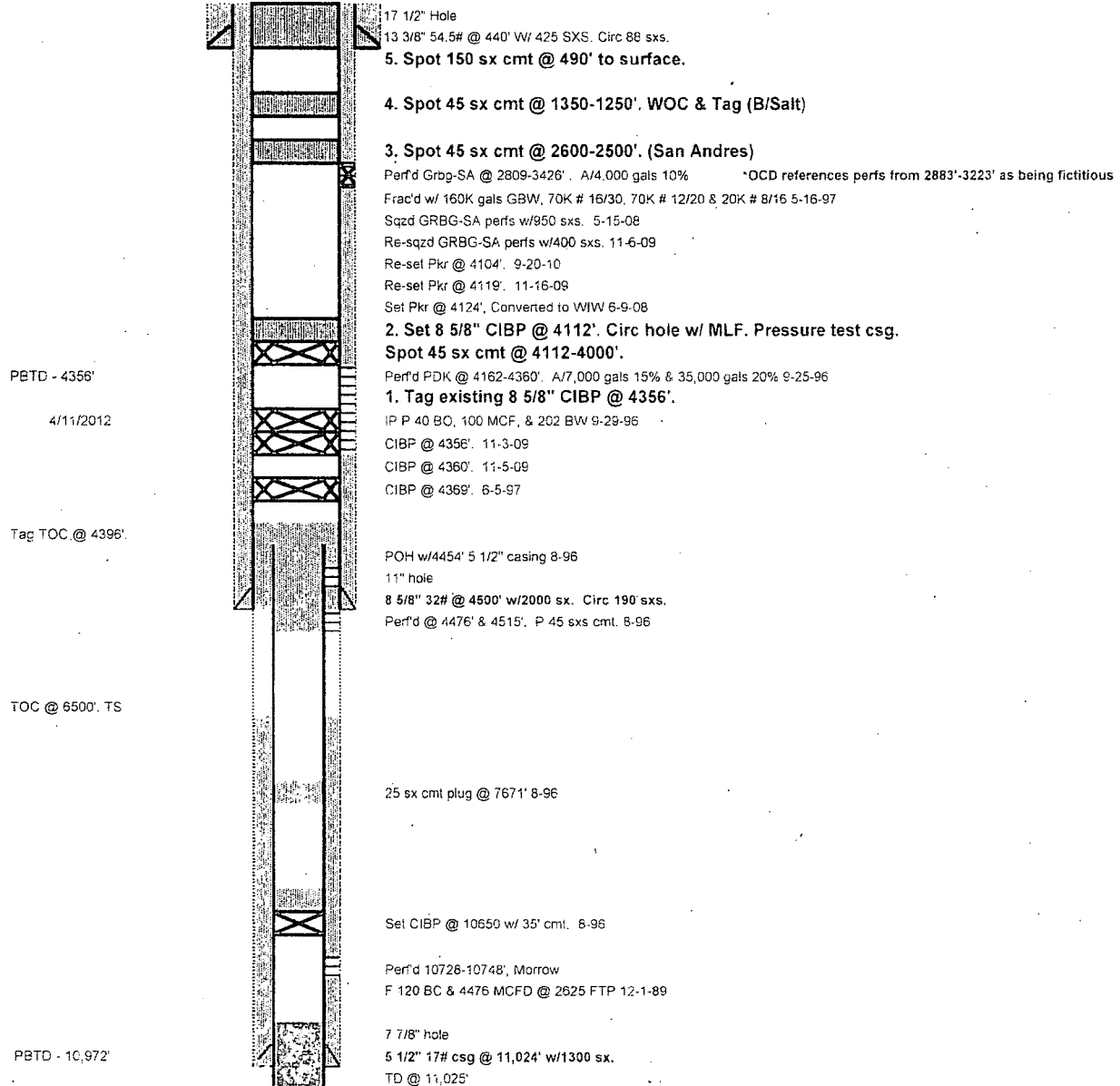
Completion date 11-13-89

Elevation - 3603 DF

## Dodd Federal Unit #43 WIW

Sec 14 T 17S R 29E, 2180 FSL & 860 FWL UNIT L

EDDY CO., NM



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

A Log Strip from the Subject Well is Attached.

**LOG STRIP FOLLOWS...**



<b>COMPANY</b> NARBO ENERGY CORP. <b>WELL</b> MARY 0000 "B" DEEP NO. 2 <b>FIELD</b> CRIC JACKSON SR ON CRIC SA <b>COUNTY</b> EDDY <b>STATE</b> NM		<b>COMPANY</b> NARBO ENERGY CORP. <b>WELL</b> MARY 0000 "B" DEEP NO. 2 <b>FIELD</b> CRIC JACKSON SR ON CRIC SA <b>COUNTY</b> EDDY <b>STATE</b> NM	
<b>DATE</b> 11/26/00 <b>TIME</b> 11:00 <b>LOG MEASURED FROM</b> KEL <b>LOG MEASURED TO</b> KEL <b>LOG MEASURED BY</b> KEL		<b>DATE</b> 11/26/00 <b>TIME</b> 11:00 <b>LOG MEASURED FROM</b> KEL <b>LOG MEASURED TO</b> KEL <b>LOG MEASURED BY</b> KEL	
<b>LOG MEASURED FROM</b> KEL <b>LOG MEASURED TO</b> KEL <b>LOG MEASURED BY</b> KEL		<b>LOG MEASURED FROM</b> KEL <b>LOG MEASURED TO</b> KEL <b>LOG MEASURED BY</b> KEL	

Service Ticket No.: 1006216		API Serial No.: 30-015-31041		PGM Version: XL v4.0	
CHANGE IN MUD TYPE OR ADDITIONAL SAMPLES					
Date / Sample No.	11/26	Type Log	Depth	Scale Up Hole	Scale Down Hole
Depth - On/Off	11185				
Type Fluid	BRINE	RESISTIVITY SCALE CHANGES			
Dens. / Visc.	9.3 / 29				
Ph / Fluid Loss	10.0 / 6.0				
Source of Sample	FLOWLINE	RESISTIVITY EQUIPMENT DATA			
Rm @ Meas. Temp.	0.125 @ 54 F	Run No.	Tool Type & No.	Pad Type	Tool Pos.
Rm @ Meas. Temp.	NA @ NA	ONE	DLT 113628	N/A	CENT
Rm @ Meas. Temp.	NA @ NA	ONE	MGRD 113629	N/A	ADJ.
Source Rm / Rm	NA / NA				
Rm @ BHT	0.037 @ 201 F				
Rm @ BHT	NA @ NA				
Rm @ BHT	NA @ NA				
EQUIPMENT DATA					
GAMMA		ACOUSTIC		DENSITY	
Run No.	ONE	Run No.		Run No.	
Serial No.	113628	Serial No.		Serial No.	
Model No.	NGRT	Model No.		Model No.	
Diameter	3.625	No. of Cent.		Diameter	
Detector Model No.	102T	Speeding		Log Type	
Type	SCINT	Source Type		Source Type	
Length	4"	Serial No.		Serial No.	
Distance to Source	NA	PWDA [Y/N]		Strength	
LOGGING DATA					
GENERAL		GAMMA		ACOUSTIC	
Run No.	Depth	Speed	Scale	Scale	Scale
ONE	11184	4500	REC	0	100
DIRECTIONAL INFORMATION					
Maximum Deviation		deg. @		KOP	
Remarks:					
TOOL STRING: GR-CSL-DLL-MGRD					
ANNULAR VOLUME BASED ON 5.5 INCH CASING					
CREW: ANDRE HARRIS, JOE BAEZA, RANDY COBBARURIO,					
THANK YOU FOR USING HALLIBURTON ENERGY SERVICES, 1-800-844-8451					
HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF THE LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS OR RECOMMENDATIONS WHICH MAY BE GIVEN BY HALLIBURTON PERSONNEL, OR WHICH APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA, INTERPRETATIONS, CONVERSIONS, OR RECOMMENDATIONS AGREES THAT HALLIBURTON IS NOT RESPONSIBLE EXCEPT WHERE DUE TO GROSS NEGLIGENCE OR WILLFUL MISCONDUCT, FOR ANY LOSS, DAMAGES, OR EXPENSES RESULTING FROM THE USE THEREOF.					

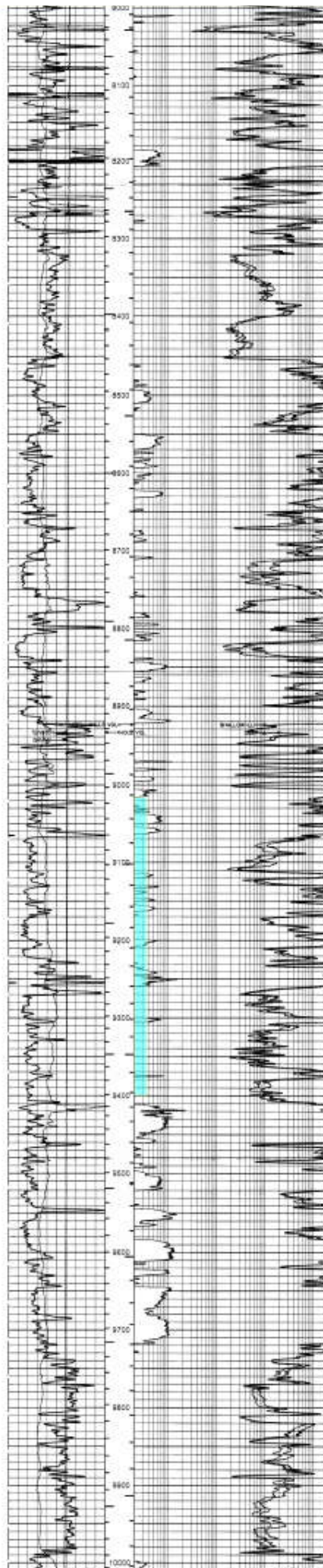
MAIN PASS 2" = 100 FT.



Version No: 1 hc 2.0  
 Date File: leadim.cis  
 Format File: /field\_data/data0/001155/dlidl\_2in\_epson.apc

Top Depth: 4486.75  
 Bottom Depth: 11184.00

Plot Time: 30-11-2000 10:00:21



Injection  
Interval

9015'

to

9400'

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

The M. Dodd B Deep Federal #2 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-981. 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 1803 psi (0.2 psi/ft) with and 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.

## C-108 Item VII.5 - Produced Water Data

Spur Energy Partners, LLC - M. Dodd B Deep Fed #2

### SOURCE ZONE

#### ARTESIA GROUP - TNSL-YTS-7RVRS

ESIA GROUP - INSL-YIS-7RVRS										Lab ID	
API No	3001502891									Sample ID	5128
Well Name	CAVE POOL UNIT 030									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 - M. Dodd B Deep Fed #2

**SOURCE ZONE**

**GRAYBURG-SAN ANDRES**

<b>API No</b>	3001502873	<b>Lab ID</b>	
<b>Well Name</b>	GULF STATE 002	<b>Sample ID</b>	5366
		<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	<b>Unit</b>	4
<b>Sample Date</b>		<b>Analysis Date</b>	
	<b>Sample Source</b> WELLHEAD	<b>Depth (if known)</b>	
	<b>Water Typ</b>		
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 - M. Dodd B Deep Fed #2

### SOURCE ZONE

YESO

		<b>Lab ID</b>		
<b>API No</b>	3001530307	<b>Sample ID</b>	5901	
<b>Well Name</b>	SCHLEY FEDERAL	<b>Sample No</b>		
	008			
<b>Location</b>	ULSTR 29 17 S 29 E	<b>Lat / Long</b>	32.80836 -104.09972	
	1580 N 1650 W	<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 - M. Dodd B Deep Fed #2**

**DISPOSAL ZONE**

CISCO (Upper Penn)

<b>API No.</b>	3001500129	<b>Lab ID</b>	5353
<b>Well Name</b>	SPRINGS SWD 001	<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	

Remarks

*(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 9015 feet to 9400 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]; 7Rvs-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.)*

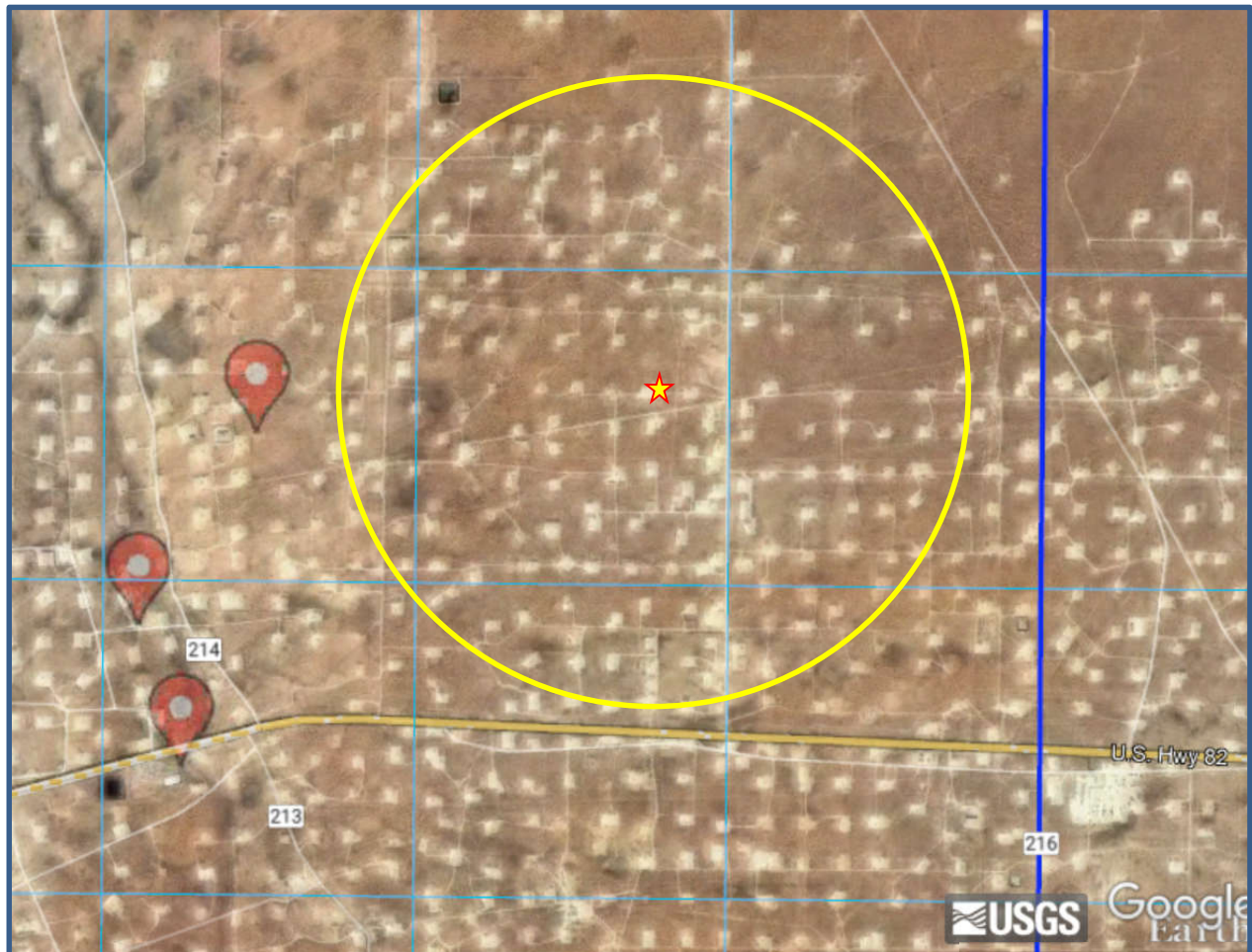
There are NO water wells located within one mile of the proposed SWD.

## C-108 Item XI

Water Wells Within One Mile

### M. Dodd B Deep Fed #2 SWD - Water Well Locator Map

*NM State Engineer's records indicate NO water wells located within one mile of the proposed SWD.*





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)

JR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Well			Tag	Code	Grant	Source	q q q			Sec	Tws	Rng	X	Y
							64	16	4					15	17	S					
<a href="#">WWD 03215</a>	RA	PLS	2.56	BOGLE FARMS	CH	<a href="#">LWD 03215</a>	<a href="#">POD1</a>	NOT WITHIN ONE MILE OF SWD									15	17S	29E	587729	36333333* 

Record Count: 1

PLSS Search:

Section(s): 11, 12, 13, 14, 15, 23, 24

Township: 17S

Range: 29E

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.



# 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

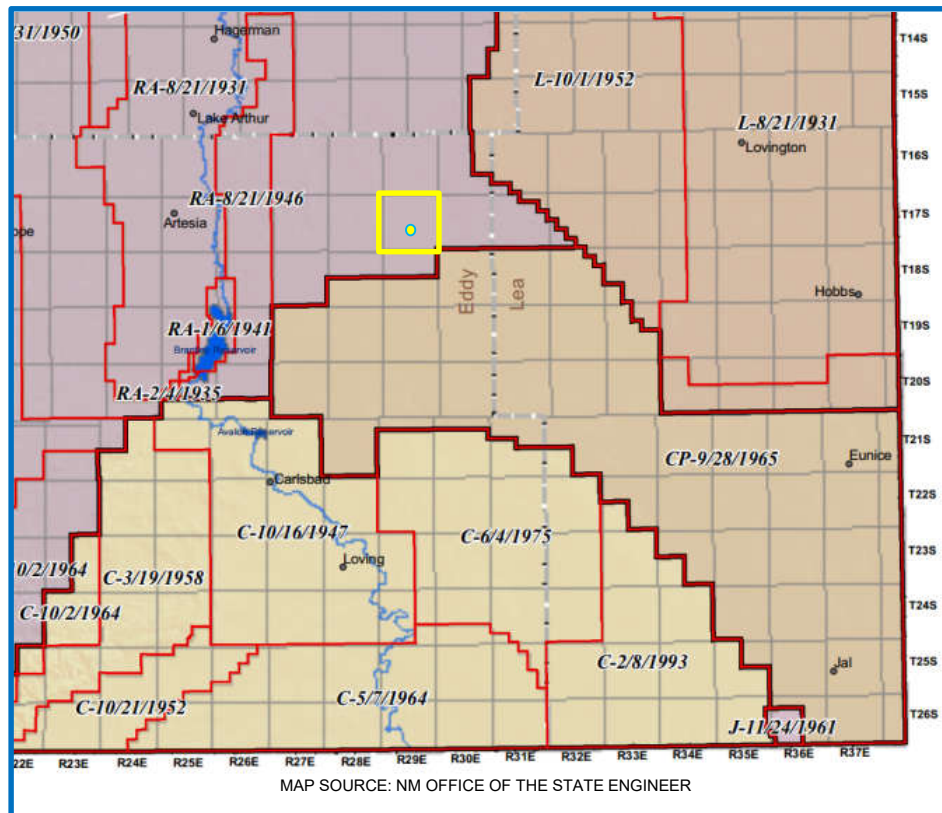
PLSS Search:

**Township:** 17S

**Range:** 29E

## 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)

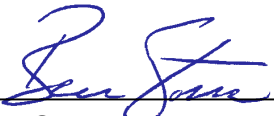
State Engineer's records show water wells in 17S-29E with an average depth to water at 76 feet, based on ONE well record in the township.

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  
                     M. Dodd B Deep Fed #2 SWD  
                     Reviewed 5/12/2021

## **C-108 ITEM XIII – PROOF OF NOTIFICATION**

### IDENTIFICATION AND NOTIFICATION OF AFFECTED PARTIES

#### **Exhibits for Section**

Affected Parties Map

List of Affected Parties

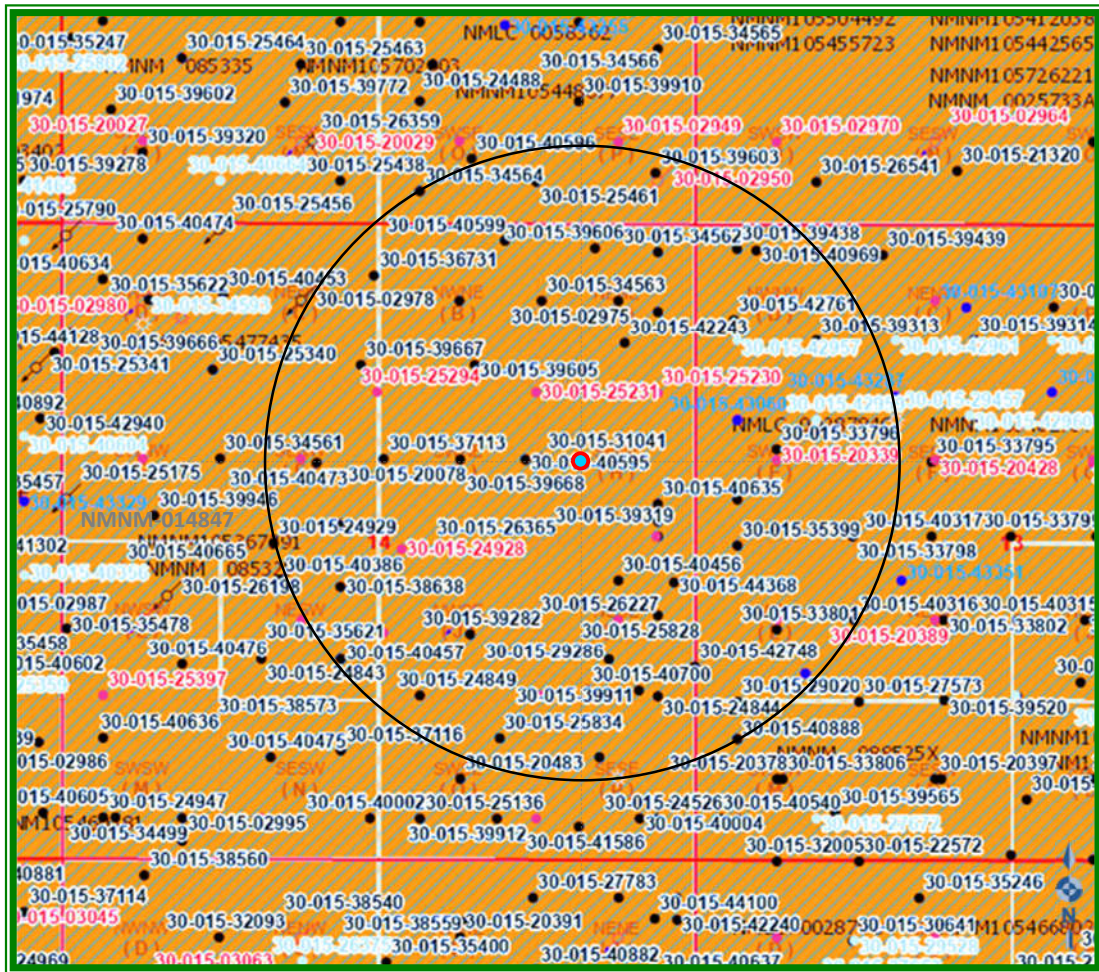
Notification Letter to Affected Parties

Proof of Certified Mailing

Proof of Return Receipts

Affidavit Published Legal Notice

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



Full AOR and beyond is comprised of BLM Unitized Leases  
and Communitization Agreements;  
all operated by 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 U.S. DEPARTMENT OF INTERIOR  
Bureau of Land Management  
Oil & Gas Division  
620 E. Greene St.  
Carlsbad, NM 88220  
Certified: 7018 1130 0000 8738 2346

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

#### **BLM Unitized Leases (T.1 on Map)**

##### ***Operator***

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

### OFFSET MINERALS OWNERS (Notified via USPS Certified Mail)

U.S. DEPARTMENT OF INTERIOR  
Bureau of Land Management  
Oil & Gas Division  
620 E. Greene St.  
Carlsbad, NM 88220

### 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**

SPUR M. DODD B DEEP FEDERAL #2  
[https://www.dropbox.com/sh/6p5pkptptuqvea9/AAAxW\\_ci9thpPUOimexe1s1-a?dl=0](https://www.dropbox.com/sh/6p5pkptptuqvea9/AAAxW_ci9thpPUOimexe1s1-a?dl=0)

USPS Certified Tracking:  
Certified: 7018 1130 0000 8738 2384



May 9, 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 M. Dodd B Deep Federal #2 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 14, Township 17 South, Range 29 East in Eddy County, New Mexico.

The published notice states that the interval will be from 9,015 feet to 9,400 feet into the Upper Pennsylvanian formation.

Following is the notice published in the Artesia Daily Press, Artesia, New Mexico on or about May 6, 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 Mary Dodd B Deep No.2 (API No.30-015-31041) is located 1980 feet from the North line and 1295 feet from the East line (Unit H) of Section 14, 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 Upper Pennsylvanian formation at depths between 9015' to 9400' at a maximum surface pressure of 1803 psi, maximum daily rate of 10,000 bwpd and an average rate of 7500 bwpd. The subject SWD well is located approximately 3.5 miles west/ northwest 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/6p5pkptptuqvea9/AAxW\\_ci9thpPUOimexe1s1-a?dl=0](https://www.dropbox.com/sh/6p5pkptptuqvea9/AAxW_ci9thpPUOimexe1s1-a?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)

2018 1130 0000 8738 2384



**Track Another Package +**

BLM - CFO

**Tracking Number:** 70181130000087382384

Remove ✕

Your item was delivered to an individual at the address at 1:57 pm on May 12, 2022 in CARLSBAD, NM 88220.

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

 **Delivered, Left with Individual**

May 12, 2022 at 1:57 pm  
CARLSBAD, NM 88220

**Get Updates** ✓

**See More** ✓

## Can't find what you're looking for?

Go to our FAQs section to find answers to your tracking questions.

**FAQs**

# Affidavit of Publication

No. 26128

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 5, 2022

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

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

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

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

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

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

Subscribed and sworn before me this

5th day of May 2022

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

*Latisha Romine*

Latisha Romine

Notary Public, Eddy County, New Mexico

# Copy of Publication:

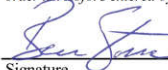
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Published in the Artesia Daily Press, Artesia, N.M., May 5, 2022 Legal No. 26128.



					<p><b>17 OPERATOR CERTIFICATION</b></p> <p>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.</p> <p> Signature</p> <p><u>5/12/2022</u> Date</p> <p><b>Ben Stone</b> Printed Name</p> <p><b>ben@sosconsulting.us</b> E-mail Address</p>
					<p><b>18 SURVEYOR CERTIFICATION</b></p> <p>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.</p> <p><b>June 18, 1996</b> Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p> <p><b>Ronald Eidson</b> <b>3239</b> Certificate Number</p>

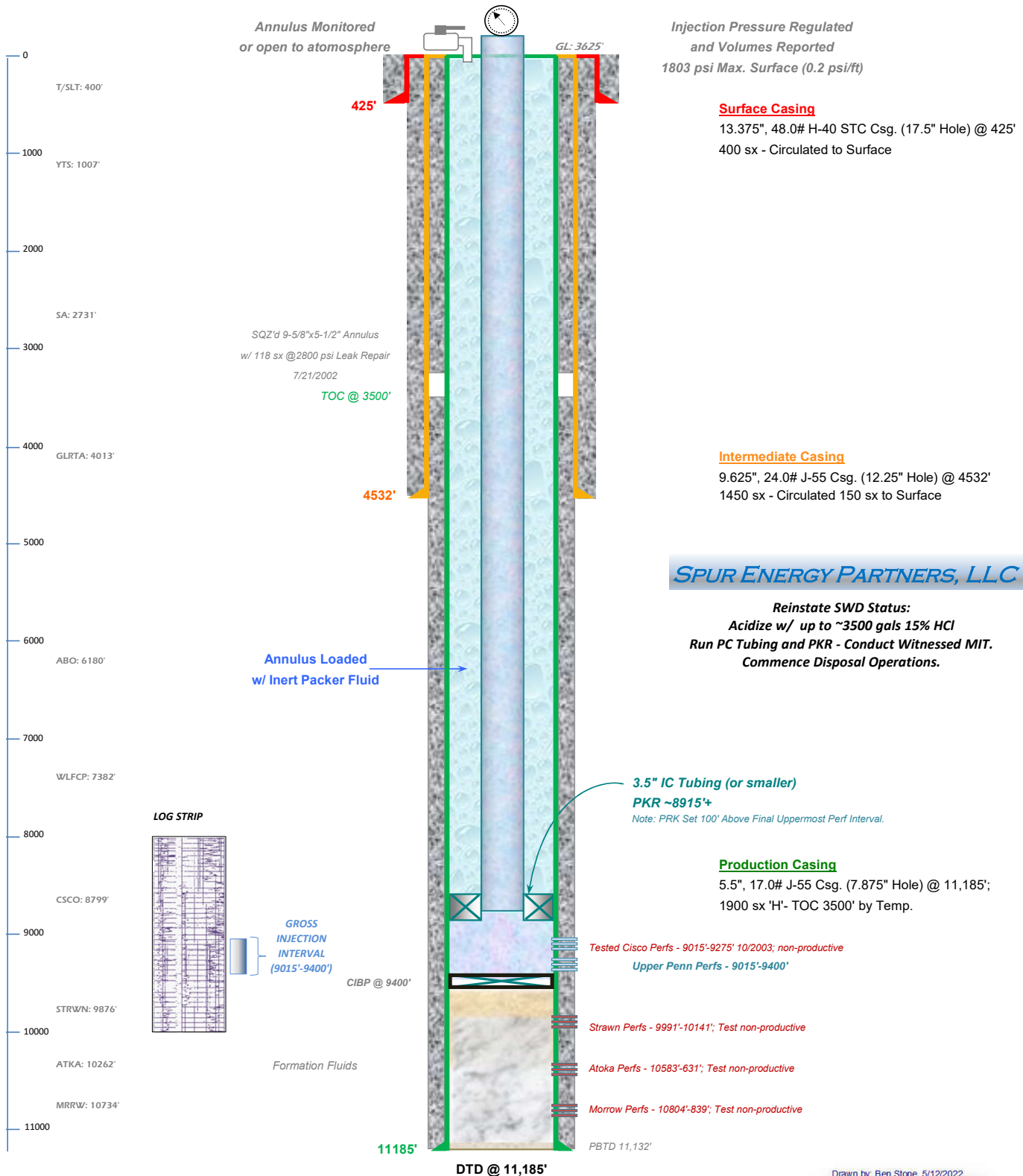


# WELL SCHEMATIC - PROPOSED M. Dodd B Deep Federal Well No.2 SWD

API 30-015-31041  
1980' FNL & 1295' FEL, SEC. 14-T17S-R29E  
EDDY COUNTY, NEW MEXICO

SWD; Upper Penn (96134)

Spud Date: 10/26/2000  
Config SWD Dt: Converted 9/2004  
Reinstate SWD-981: ASAP 6/15/2022



Drawn by: Ben Stone, 5/12/2022



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

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

Wellbore Diagram – PROPOSED

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

3 AOR Wells Penetrate the Proposed Injection Interval;  
1 P&A'd Diagram Attached  
1 P&A Approved NOI Attached

### **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.

## **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.5 - Produced Water Data**  
**Spur Energy Partners, LLC - M. Dodd B Deep Fed #2**

**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	<b>Lat / Long</b>	32.85900 -104.07829
	990 S 2310 E	<b>County</b>	Eddy
<b>Operator (when sampled)</b>			
	Field GRAYBURG JACKSON	<b>Unit</b>	O
<b>Sample Date</b>		<b>Analysis Date</b>	
	<b>Sample Source TANK</b>	<b>Depth (if known)</b>	
	<b>Water Typ</b>		
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	
<b>Remarks</b>			

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



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 UPPER PENN Interval 9015'		3 Wells Penetrate Proposed Interval.							
API	Current Operator	Well Name	Well No.	Type	Lease	Status	ULSTR	Depth	Plugged On
Subject Well									
30-015-31041	[328947] Spur Energy Partners LLC	M DODD B DEEP FEDERAL	#002	SWD	Federal	Active	H-14-17S-29E	11185'	
Section 14 Wells									
30-015-02975	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#029	Oil	Federal	Active	A-14-17S-29E	3785'	
30-015-34562	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#105	Oil	Federal	Active	A-14-17S-29E	4550'	
30-015-34563	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#106	Oil	Federal	Active	A-14-17S-29E	4562'	
30-015-39606	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#602	Oil	Federal	Active	A-14-17S-29E	4582'	
30-015-40455	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#603	Oil	Federal	Active	A-14-17S-29E	4555'	
30-015-42243	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#626	Oil	Federal	Active	A-14-17S-29E	4557'	
30-015-02974	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#028	Oil	Federal	Active	B-14-17S-29E	4542'	
30-015-40599	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#587	Oil	Federal	Active	B-14-17S-29E	4557'	
30-015-39605	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#601	Oil	Federal	Active	B-14-17S-29E	4560'	
30-015-02978	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#027	Inj.	Federal	Active	C-14-17S-29E	4470'	
30-015-36731	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#131	Oil	Federal	Active	C-14-17S-29E	5010'	
30-015-40453	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#599	Oil	Federal	Active	C-14-17S-29E	4563'	
30-015-39667	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#613	Oil	Federal	Active	C-14-17S-29E	4580'	
30-015-02980	[14049] MARBOB ENERGY CORP	DODD FEDERAL UNIT	#024	Inj.	Federal	P&A-R	D-14-17S-29E	3380'	11/3/2006
30-015-36416	[14744] MEWBOURNE OIL CO	PACU 14 FEDERAL COM	#001	Gas	Federal	P&A-R	D-14-17S-29E	10970'	12/22/2008
P&A diagram attached...									
30-015-25790	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#023	Inj.	Federal	Active	D-14-17S-29E	4496'	
30-015-25456	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#025	Inj.	Federal	Active	D-14-17S-29E	4560'	
30-015-25340	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#026	Oil	Federal	Active	D-14-17S-29E	5838'	
30-015-35622	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#114	Oil	Federal	Active	D-14-17S-29E	5000'	
30-015-40454	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#600	Oil	Federal	Active	D-14-17S-29E	4593'	
30-015-39666	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#611	Oil	Federal	Active	D-14-17S-29E	4565'	
30-015-40474	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#675	Oil	Federal	Active	D-14-17S-29E	4576'	
30-015-40634	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#916H	Oil	Federal	Active	D-14-17S-29E	9221'	
30-015-20005	[14049] MARBOB ENERGY CORP	M DODD B	#017A	Oil	Federal	P&A-R	E-14-17S-29E	2700'	2/26/1996
30-015-25168	[14049] MARBOB ENERGY CORP	M DODD B	#049	Oil	Federal	P&A-R	E-14-17S-29E	3550'	6/4/2001
30-015-25175	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#037	Inj.	Federal	Active	E-14-17S-29E	4545'	
30-015-34561	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#104	Oil	Federal	Active	E-14-17S-29E	4550'	



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

30-015-39946	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#612	Oil	Federal	Active	E-14-17S-29E	4766'	
30-015-25294	[14049] MARBOB ENERGY CORP	DODD FEDERAL UNIT	#036	Oil	Federal	P&A-R	F-14-17S-29E	4563'	4/2/2008
30-015-02979	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#007	Oil		P&A-R	F-14-17S-29E	3458'	1/1/1900
30-015-35615	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#122	Oil	Federal	Active	F-14-17S-29E	5010'	
30-015-40473	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#671	Oil	Federal	Active	F-14-17S-29E	4575'	
30-015-24901	[229137] COG OPERATING LLC	DODD FEDERAL UNIT	#033	Oil	Federal	P&A-R	G-14-17S-29E	3465'	9/20/2017
30-015-25231	[229137] COG OPERATING LLC	DODD FEDERAL UNIT	#035	Oil	Federal	P&A-R	G-14-17S-29E	4500'	3/28/2013
30-015-37113	[328947] Spur Energy Partners LLC	BEE FEDERAL	#001	Oil	Federal	Active	G-14-17S-29E	5700'	
30-015-20078	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#034	Oil	Federal	Active	G-14-17S-29E	2703'	
30-015-40595	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#510	Oil	Federal	Active	G-14-17S-29E	4559'	
30-015-39668	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#614	Oil	Federal	Active	G-14-17S-29E	4575'	
30-015-25230	[229137] COG OPERATING LLC	DODD FEDERAL UNIT	#030	Oil	Federal	P&A-R	H-14-17S-29E	4585'	8/24/2017
30-015-02976	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#031	Oil	Federal	Active	H-14-17S-29E	4558'	
30-015-24900	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#032	Oil	Federal	Active	H-14-17S-29E	3464'	
30-015-39868	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#616	Oil	Federal	Active	H-14-17S-29E	4447'	
30-015-39319	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#627	Oil	Federal	Active	H-14-17S-29E	4566'	
30-015-40635	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#919H	Oil	Federal	Active	H-14-17S-29E	4774'	
30-015-29286	[328947] Spur Energy Partners LLC	M DODD B DEEP FEDERAL	#001	Oil	Federal	Active	H-14-17S-29E	10995'	
<i>Well completed as STRAWN gas producer w/ perfs 10,027'-10,155'; 5.5" csg set 11,005' w/ 1740 sx, TOC 1100'; 9.625" csg set 2908 w/ 1200 sx, Circulated</i>									
30-015-31041	[328947] Spur Energy Partners LLC	M DODD B DEEP FEDERAL	#002	SWD	Federal	Active	H-14-17S-29E	11185'	
30-015-24842	[229137] COG OPERATING LLC	DODD FEDERAL UNIT	#053	Oil	Federal	P&A-R	I-14-17S-29E	3460'	8/8/2015
30-015-02977	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#003	Oil		P&A-R	I-14-17S-29E	3029'	1/1/1900
30-015-25828	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#051	Oil	Federal	Active	I-14-17S-29E	4560'	
30-015-24844	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#052	Oil	Federal	Active	I-14-17S-29E	3466'	
30-015-40700	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#598	Oil	Federal	Active	I-14-17S-29E	4558'	
30-015-40456	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#621	Oil	Federal	Active	I-14-17S-29E	4553'	
30-015-39911	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#628	Oil	Federal	Active	I-14-17S-29E	4600'	
30-015-44368	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#920H	Oil	Federal	Active	I-14-17S-29E	4766'	
30-015-42995	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#921H	Oil	Federal	Active	I-14-17S-29E	4876'	
30-015-26220	[229137] COG OPERATING LLC	DODD FEDERAL UNIT	#046	Oil	Federal	P&A-R	J-14-17S-29E	4556'	5/24/2019
30-015-24928	[229137] COG OPERATING LLC	DODD FEDERAL UNIT	#047	Oil	Federal	P&A-R	J-14-17S-29E	3525'	3/26/2015
30-015-20037	[14049] MARBOB ENERGY CORP	M DODD B	#022	Inj.	Federal	P&A-R	J-14-17S-29E	2700'	5/24/2001
30-015-26365	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#048	Oil	Federal	Active	J-14-17S-29E	4535'	
30-015-26227	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#049	Oil	Federal	Active	J-14-17S-29E	4585'	

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

30-015-24849	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#050	Oil	Federal	Active	J-14-17S-29E	3460'	
30-015-39282	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#625	Oil	Federal	Active	J-14-17S-29E	4535'	
30-015-20026	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#018	Oil	Federal	P&A-R	K-14-17S-29E	2700'	1/1/1900
30-015-24929	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#044	Oil	Federal	Active	K-14-17S-29E	3535'	
30-015-24843	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#045	Oil	Federal	Active	K-14-17S-29E	4010'	
30-015-35621	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#115	Oil	Federal	Active	K-14-17S-29E	4600'	
30-015-38638	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#622	Oil	Federal	Active	K-14-17S-29E	4571'	
30-015-40386	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#623	Oil	Federal	Active	K-14-17S-29E	4578'	
30-015-40457	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#624	Oil	Federal	Active	K-14-17S-29E	4577'	
30-015-25397	[229137] COG OPERATING LLC	DODD FEDERAL UNIT	#041	Oil	Federal	P&A-R	L-14-17S-29E	4463'	10/18/2017
30-015-02981	[14049] MARBOB ENERGY CORP	DODD FEDERAL UNIT	#042	Inj.	Federal	P&A-R	L-14-17S-29E	2424'	11/9/2006
<b>30-015-26198</b>	<b>[328947] Spur Energy Partners LLC</b>	<b>DODD FEDERAL UNIT</b>	<b>#043</b>	<b>Inj.</b>	<b>Federal</b>	<b>Active</b>	<b>L-14-17S-29E</b>	<b>11025'</b>	
<i>Sundry Intent to P&amp;A on file...</i>									
30-015-35478	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#116	Oil	Federal	Active	L-14-17S-29E	4540'	
30-015-40665	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#677	Oil	Federal	Active	L-14-17S-29E	4554'	
30-015-40476	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#684	Oil	Federal	Active	L-14-17S-29E	4553'	
30-015-02995	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#063	Oil	Federal	Active	M-14-17S-29E	3311'	
30-015-24947	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#064	Oil	Federal	Active	M-14-17S-29E	3463'	
30-015-34499	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#103	Oil	Federal	Active	M-14-17S-29E	4520'	
30-015-38573	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#634	Oil	Federal	Active	M-14-17S-29E	4544'	
30-015-40893	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#636	Oil	Federal	Active	M-14-17S-29E	4573'	
30-015-40636	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#922H	Oil	Federal	Active	M-14-17S-29E	4771'	
30-015-25113	[229137] COG OPERATING LLC	DODD FEDERAL UNIT	#060	Oil	Federal	P&A-R	N-14-17S-29E	3535'	9/12/2017
30-015-26282	[229137] COG OPERATING LLC	DODD FEDERAL UNIT	#062	Oil	Federal	P&A-R	N-14-17S-29E	4555'	8/22/2018
30-015-24768	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#061	Oil	Federal	Active	N-14-17S-29E	3467'	
30-015-40002	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#638	Oil	Federal	Active	N-14-17S-29E	4565'	
30-015-40475	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#683	Oil	Federal	Active	N-14-17S-29E	4565'	
30-015-37116	[328947] Spur Energy Partners LLC	MARY FEDERAL	#004	Oil	Federal	Active	N-14-17S-29E	5651'	
30-015-24616	[229137] COG OPERATING LLC	DODD FEDERAL UNIT	#057	Oil	Federal	P&A-R	O-14-17S-29E	3453'	4/3/2013
30-015-25834	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#056	Oil	Federal	Active	O-14-17S-29E	4580'	
30-015-20483	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#058	Oil	Federal	Active	O-14-17S-29E	3380'	
30-015-25136	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#059	Oil	Federal	Active	O-14-17S-29E	4630'	
30-015-40458	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#639	Oil	Federal	Active	O-14-17S-29E	4551'	
30-015-39912	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#640	Oil	Federal	Active	O-14-17S-29E	4581'	

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

30-015-24526	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#054	Oil	Federal	Active	P-14-17S-29E	3510'	
30-015-25700	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#055	Oil	Federal	Active	P-14-17S-29E	4585'	
30-015-41586	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#637	Oil	Federal	Active	P-14-17S-29E	4599'	
30-015-40004	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#668	Oil	Federal	Active	P-14-17S-29E	4583'	
30-015-44151	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#923H	Oil	Federal	Active	P-14-17S-29E	4766'	

### Section 13 Wells

30-015-02972	[14049] MARBOB ENERGY CORP	BURCH KEELY UNIT	#002	Oil	Federal	P&A-R	D-13-17S-29E	99999'	10/18/1995
30-015-39438	[328947] Spur Energy Partners LLC	BURCH KEELY UNIT	#505	Oil	Federal	Active	D-13-17S-29E	4612'	
30-015-39313	[328947] Spur Energy Partners LLC	BURCH KEELY UNIT	#508	Oil	Federal	Active	D-13-17S-29E	4617'	
30-015-40969	[328947] Spur Energy Partners LLC	BURCH KEELY UNIT	#930H	Oil	Federal	Active	D-13-17S-29E	4886'	
30-015-42761	[328947] Spur Energy Partners LLC	BURCH KEELY UNIT	#931H	Oil	Federal	Active	D-13-17S-29E	4857'	
30-015-43060	[229137] COG OPERATING LLC	BURCH KEELY UNIT	#521	Oil	Federal	New	E-13-17S-29E	0'	Not Drilled
30-015-20339	[14049] MARBOB ENERGY CORP	BURCH KEELY UNIT	#016	Oil	Federal	P&A-R	E-13-17S-29E	2585'	10/20/1995
30-015-33796	[328947] Spur Energy Partners LLC	BURCH KEELY UNIT	#377	Oil	Federal	Active	E-13-17S-29E	4650'	
30-015-33798	[328947] Spur Energy Partners LLC	BURCH KEELY UNIT	#389	Oil	Federal	Active	E-13-17S-29E	4590'	
30-015-40970	[328947] Spur Energy Partners LLC	BURCH KEELY UNIT	#933H	Oil	Federal	Active	E-13-17S-29E	4884'	
30-015-20427	[229137] COG OPERATING LLC	BURCH KEELY UNIT	#017	Oil	Federal	P&A-R	L-13-17S-29E	2606'	2/10/2014
30-015-33801	[328947] Spur Energy Partners LLC	BURCH KEELY UNIT	#371	Oil	Federal	Active	L-13-17S-29E	4560'	
30-015-35399	[328947] Spur Energy Partners LLC	BURCH KEELY UNIT	#398	Oil	Federal	Active	L-13-17S-29E	4600'	
30-015-42748	[328947] Spur Energy Partners LLC	BURCH KEELY UNIT	#935H	Oil	Federal	Active	L-13-17S-29E	4868'	
30-015-20378	[328947] Spur Energy Partners LLC	BURCH KEELY UNIT	#035	Oil	Federal	Active	M-13-17S-29E	3226'	
30-015-29020	[328947] Spur Energy Partners LLC	BURCH KEELY UNIT	#255	Oil	Federal	Active	M-13-17S-29E	4600'	

### Section 11 Wells

30-015-02953	[229137] COG OPERATING LLC	DODD FEDERAL UNIT	#014	Oil	Federal	P&A-R	O-11-17S-29E	2540'	12/18/2018
30-015-25461	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#013	Oil	Federal	Active	O-11-17S-29E	4565'	
30-015-34564	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#107	Oil	Federal	Active	O-11-17S-29E	4550'	
30-015-40596	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#521	Oil	Federal	Active	O-11-17S-29E	4561'	
30-015-02950	[14049] MARBOB ENERGY CORP	DODD FEDERAL UNIT	#012	Inj.	Federal	P&A-R	P-11-17S-29E	2525'	10/26/2006
30-015-02949	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#001	Oil		P&A-R	P-11-17S-29E	2532'	1/1/1900
30-015-39603	[328947] Spur Energy Partners LLC	DODD FEDERAL UNIT	#591	Oil	Federal	Active	P-11-17S-29E	4570'	

**SUMMARY: 3 wells penetrate the proposed disposal interval; 1 P&A.**

