



**TIMBERWOLF  
ENVIRONMENTAL**

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June 8, 2018

District 1 Hobbs  
1625 N French Dr  
Hobbs, New Mexico 88240

RE: C-108 Application for Authorization to Inject  
~~30-025-31381~~ 30-025-31381  
Jay Management Company, LLC  
Bagley North Oil Field, Lea County, New Mexico

**HOBBS OCD  
JUN 11 2018  
RECEIVED**

*SWD-1726*

Dear Sir or Madam,

At the request of Jay Management Company, a C-108 permit has been attached for your review. This well is currently permitted as a saltwater disposal well completed in the San Andres formation. Jay Management wishes to expand the injection interval, necessitating recompletion. Upon approval, Jay Management plans to recomplete the well further into the San Andres formation as a commercial disposal well.

Please find the attached items:

- C-108 permit application
- Administrative application checklist
- C-102 form
- Affidavit of Publication

If you have any questions regarding these items or need other information, please do not hesitate to contact us.

Sincerely,  
Timberwolf Environmental, LLC

Jim Foster  
President

Attachments: C-108 permit application  
Administrative application checklist  
C-102 form  
Affidavit of Publication

**Accepted for Record Only  
6/12/2018**

*MJB*

**APPLICATION FOR AUTHORIZATION TO INJECT**

- I. PURPOSE: \_\_\_\_\_ Secondary Recovery \_\_\_\_\_ Pressure Maintenance  X  Disposal \_\_\_\_\_ Storage  
Application qualifies for administrative approval?  X  Yes \_\_\_\_\_ No
- II. OPERATOR: Jay Management Company, LLC  
ADDRESS: 1001 West Loop, Suite 750, Houston, Texas 77027  
CONTACT PARTY: Jim Foster PHONE: (979) 324-2139
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.  
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project?  X  Yes \_\_\_\_\_ No  
If yes, give the Division order number authorizing the project: SWD-1726
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
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. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- \*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- \*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: Jim Foster TITLE: Consultant

SIGNATURE:  DATE: June 6, 2018

E-MAIL ADDRESS: jim@teamtiberwolf.com

- \* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: February 7, 2018

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

### III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

### XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

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

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

**NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.**

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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.

### INJECTION WELL DATA SHEET

OPERATOR: Jay Management Company, LLC

WELL NAME & NUMBER: State OG SWD #2

WELL LOCATION: <u>660'FWL 1980' FSL</u>	<u>L</u>	<u>9</u>	<u>11S</u>	<u>33E</u>
FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

**WELLBORE SCHEMATIC**

*(a detailed schematic of the proposed wellbore is attached)*

**WELL CONSTRUCTION DATA**

Surface Casing

Hole Size: 17 1/4''

Casing Size: 13 3/8''

Cemented with: 350 sx.

or \_\_\_\_\_ ft<sup>3</sup>

Top of Cement: Surface

Method Determined: Circulated

Intermediate Casing

Hole Size: 11''

Casing Size: 8 5/8''

Cemented with: 1150 sx.

or \_\_\_\_\_ ft<sup>3</sup>

Top of Cement: Surface

Method Determined: Circulated

Production Casing

Hole Size: 7 7/8''

Casing Size: 5 1/2''

Cemented with: 2025 sx.

or \_\_\_\_\_ ft<sup>3</sup>

Top of Cement: Surface

Method Determined: Circulated

Total Depth: 10944 ft

Injection Interval

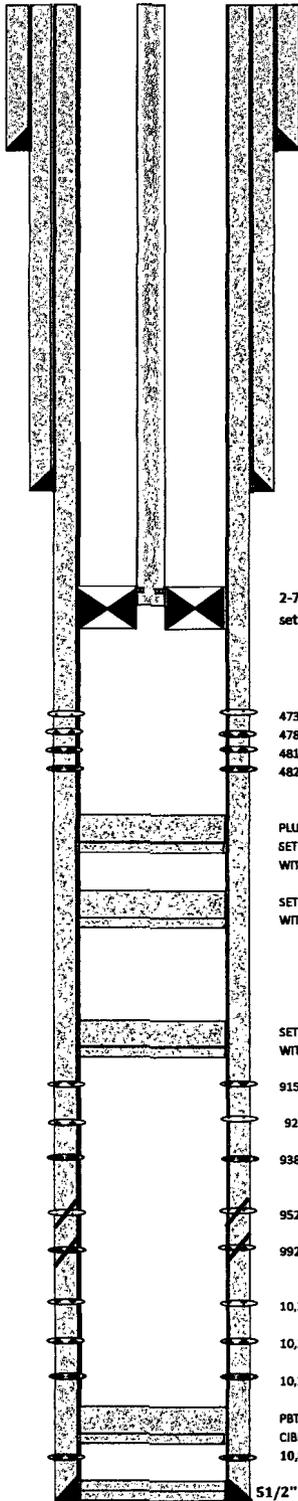
4590 feet to 4829

(Perforated)



# Jay Management Company, LLC

Current



LEASE: STATE OG SWD - 548	TD: 11,000'	POOL: SWD: CISCO SWD: STRAWN
WELL #: 2	PBTD: 10,515'	LOCATION: Unit L.660' FWL & 1980' FSL
API #: 30-025-31381	ELEVATION: 3291.80	COUNTY: LEA
LSE #: E-26		

CASING RECORD									
O.D.	WT./FT.	GRADE	HOLE SIZE	TOP	BTM	NO. JTS.	BIT SZ.	SX CMT.	TOP CEMENT
13-3/8"	48#	-	17-1/4"	SURF	367'	-	-	350	SURFACE
8-5/8"	32# & 24#	-	11"	SURF	3810	-	-	1150	SURFACE

O.D.	WT./FT.	GRADE	HOLE SIZE	TOP	BTM	NO. JTS.	BIT SZ.	SX CMT.	TOP CEMENT
5-1/2"	20# & 17#	N-80	7-7/8"	SURF	10,944'	-	-	2025	SURFACE

TUBING						
O.D.	WT./FT.	GRADE	THD	TOP	BTM	NO. JTS.
2-7/8"	4490'	Plastic-lined		SURF	4490'	145

PERFORATION RECORD						
DATE	TOP	BOTTOM	SPF	ZONE	STATUS	
January-92	10,804'	10,810'	-	MORROW	CIBP	
February-92	10,206'	10,294'	-	STRAWN	Open	
February-95	9154'	9398'	-		Open	
February-95	9522'	9526'	-		SQZ'D	
February-95	9926'	9932'	-		SQZ'D	
04/19/18	4735'	4750'	6	SAN ANDRES	OPEN	
04/19/18	4780'	4786'	6	SAN ANDRES	OPEN	
04/19/18	4814'	4820'	6	SAN ANDRES	OPEN	
04/19/18	4825'	4829'	6	SAN ANDRES	OPEN	

<b>Apr-18</b>	Perf - 4825' - 4829' 6 SPF
	Perf - 4814' - 4820' 6 SPF
	Perf - 4780' - 4786' 6 SPF
	Perf - 4735' - 4750' 6 SPF
<b>Pending</b>	Perf - 4638.50' - 4652' 6 SPF
	Perf - 4590' - 4595' 6 SPF
	Acidize Perf with 15%
	2-7/8" plastic-lined tubing set in packer @ approx 4490'



**INJECTION WELL DATA SHEET**

Tubing Size: 2 7/8" Lining Material: Plastic Lined

Type of Packer: Model R packer

Packer Setting Depth: 4490'

Other Type of Tubing/Casing Seal (if applicable): \_\_\_\_\_

Additional Data

1. Is this a new well drilled for injection?        Yes   X   No

If no, for what purpose was the well originally drilled? Oil Production

2. Name of the Injection Formation: San Andres

3. Name of Field or Pool (if applicable): North Bagley Oil Field

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.

Previous:

PF 10804-BIO set CIBP A 10615' with two SX cement on top

Well has been perforated in the following zones:

9154-64', 9231-36', 9388-98', 9522-26, 9926-32'

9522-26 was squeezed 5-27-92 with 100 sx class H cement @ 4250#

9926-32 was squeezed 5-27-92 with 150 sx class H cement @ 4500#

Plugback to 4930'

4825 - 4829, 4814 - 4820, 4780 - 4786, 4735-4750,

Proposed:

Perforation zones: 4638.5 - 4655, 4590 - 4595

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Permian Wolfcamp Carbonate: 8700', Penn: Cisco 8741', Canyon 8741', Strawn 9904', Atoka 10845

V. Please see Figure 1 and Table A-1 for all wells and leases located within a two-mile radius and the area of review.

VI. Please see table A-1 and attached schematics.

VII. Proposed Operation

1. Proposed average and maximum daily rate and volume of fluids to be injected;	5,000 Daily average 6,000 Maximum
2. Whether the system is open or closed;	Closed
3. Proposed average and maximum injection pressure;	Avg: 500 PSI Max: 947 PSI
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,	Re-inject produced water
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.).	Chemical analysis of produced water in attached Table A-2.

VIII. *Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.*

The proposed injection zone is in the San Andres formation. Lithologically it is a limestone of shelf origin.

DEPTH	Lithology	Porosity	Thickness
4825 - 4829	Limestone	6 - 10 %	4
4814 - 4820	Limestone	6 - 8%	6
4780 - 4786	Limestone	8 - 10%	6
4735 - 4750	Limestone	12-20%	15
4638.5 - 4652	Limestone	6 - 9%	13.5
4590 - 4595	Limestone	10%	5
Total			49.5'

The fresh water aquifer at this site is the Ogallala found from near surface depth to a total depth of approximately 380'.

IX. *Describe the proposed stimulation program, if any.*

None at this time.

- X. This information was previously submitted with the C-108 on February 7, 2018.
- XI. This information was previously submitted with the C-108 on February 7, 2018.
- XII. *Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.*

Applicant attests that a thorough examination has been made of all available geologic, engineering, and well data and that no hydrologic connection exists between the proposed injection interval and the overlying fresh water aquifer. See previous submitted engineer's report titled *Injection Study*.

XIII. *Proof of Notice*

Proof of Publication is attached. Proof of notice to landowners, district office and adjacent operators will be forwarded once received.

Table A-1. Oil and Gas Wells within a 2 Mile Radius of State OG SWD #002  
 Application for Authorization to Inject  
 Jay Management, Lea County, New Mexico

Map ID Number	Operator	Well Name	API Number	Spud Date	Status	Depth (ft)	NAD83 Coordinates		Pool Name
							Latitude	Longitude	
1	SWD LLC	State AK SWD #001	30-025-21800	07/02/66	Active SWD	9,255	33.374935	-103.6041754	North Bagley Permo Penn
2	Charles B Gillespie JR	State B #001	30-025-21248	03/10/65	Plugged	3,770	33.388502	-103.6008112	N/A
3	Chesapeake	OG State #001	30-025-30566	03/06/89	Plugged	8,804	33.378805	-103.6214451	N/A
4	Chesapeake	Candy Corn #001	30-025-22350	11/27/67	Plugged	10,440	33.389509	-103.6389439	N/A
5	Chesapeake	Largo 36 State #001	30-025-35615	08/17/01	Plugged	11,333	33.401162	-103.6235185	N/A
6	COG Operating LLC	Bagley 16 State #001	30-025-36903	06/25/05	Plugged	11,050	33.371346	-103.6253917	N/A
7	Dwight A Tipton	Shea Climenko #001	30-025-22281	10/12/67	Plugged	10,370	33.374887	-103.6388251	N/A
8	Elk Oil Co	RR State #001	30-025-29004	02/26/96	Plugged	10,450	33.378270	-103.6477273	N/A
9	Endeavor Energy Resources LP	Graham State #001	30-025-21842	08/30/66	Active	10,260	33.389109	-103.6002479	North Bagley Lower Penn
10	EOG Y Resources Inc	Champlin AQD State #001	30-025-23043	03/05/69	Plugged	11,300	33.382364	-103.6384686	N/A
11	EOG Y Resources Inc	Quetsal AQA State #001	30-025-33460	06/01/96	Active	11,050	33.378856	-103.6349272	North Bagley Permo Penn
12	EOG Y Resources Inc	Raitt Bid State #001	30-025-37982	07/31/06	Active	11,212	33.398265	-103.6366385	Cuerno Largo Upper Penn
13	Fasken Oil and Ranch LTD	Felmont Collier #001	30-025-21245	06/15/65	Plugged	10,325	33.382149	-103.6124432	N/A
14	Jay Management	State OG SWD #002	30-025-31381	10/15/91	Active SWD	9,000	33.378607	-103.6258485	North Bagley Permo Penn
15	Jay Management	Enfield #001	30-025-21932	11/29/66	Active	10,280	33.364110	-103.6128181	North Bagley Permo Penn
16	Jay Management	Bell A #001	30-025-21783	05/24/66	Active	10,801	33.356548	-103.6215968	North Bagley Permo Penn
17	Jay Management	State NBN #001	30-025-00998	02/16/59	TA	11,607	33.360568	-103.6212462	N/A
18	Jay Management	Andover Federal #001	30-025-21904	10/29/66	Active	10,250	33.360815	-103.6300819	North Bagley Permo Penn
19	Jay Management	Christensen State #001	30-025-22017	01/31/67	Active	10,360	33.364140	-103.6258334	North Bagley Permo Penn
20	Jay Management	Dolly #001	30-025-22370	12/21/67	Active	10,300	33.364041	-103.6345384	North Bagley Permo Penn
21	Jay Management	Shell State Corn #001	30-025-22226	08/24/67	Active	10,300	33.367713	-103.6301711	North Bagley Permo Penn
22	Jay Management	Chaney Federal #001	30-025-22554	05/14/68	Active	10,300	33.364126	-103.642509	North Bagley Permo Penn
23	Jay Management	Bess #002	30-025-28545	01/29/84	Active	10,825	33.356750	-103.6301808	North Bagley Permo Penn
24	Jay Management	Sohio State #001	30-025-22043	03/01/67	TA	10,450	33.389509	-103.6128586	N/A
25	Jay Management	Sohio A State #001	30-025-22206	07/31/67	Active	10,450	33.389434	-103.6171962	North Bagley Permo Penn
26	Jay Management	Lulu #001	30-025-22256	09/21/67	Plugged	10,436	33.389335	-103.6214448	N/A
27	Jay Management	JFG Collier #001	30-025-22108	05/07/67	Active	10,410	33.385837	-103.6253665	North Bagley Permo Penn
28	Jay Management	Sohio B State #001	30-025-22122	05/20/67	Active	10,510	33.389534	-103.6301201	North Bagley Permo Penn
29	Jay Management	Gulf Sohio State #001	30-025-21194	05/11/65	Active	10,355	33.382265	-103.6303578	North Bagley Permo Penn
30	Jay Management	Collier #001	30-025-00994	08/13/62	Plugged	11,400	33.382215	-103.6215042	N/A
31	Jay Management	GS State #001	30-025-22811	10/23/68	Active	10,400	33.381967	-103.6343389	North Bagley Permo Penn
32	Judah Oil LLC	Dallas #001	30-025-21731	03/18/66	Plugged	10,040	33.360537	-103.6084804	N/A
33	LBO New Mexico Inc	State OG #001	30-025-22329	11/14/67	Plugged	10,270	33.378592	-103.6215237	N/A
34	Lease Holders Acquisitions, Inc	JP Collier #001	30-025-00996	04/06/57	Active	11,750	33.382070	-103.604229	North Bagley Permo Penn
35	Lease Holders Acquisitions, Inc	JP Collier #004Y	30-025-22133	05/31/67	Active	10,200	33.382165	-103.5998747	North Bagley Permo Penn
36	Lease Holders Acquisitions, Inc	Bagley #002	30-025-38192	08/02/07	TA	10,500	33.382389	-103.6177607	N/A
37	Manzano Oil Corp	Fundamental State #001	30-025-21609	11/10/65	Plugged	10,440	33.400845	-103.6238037	N/A
38	Oxy USA INC	TP State A #001	30-025-21868	09/28/66	Plugged	10,300	33.378567	-103.5998021	N/A
39	Pre-Ongard Well Operator	Southland Royalty C #001	30-025-22467	03/18/68	Plugged	10,355	33.374994	-103.6258683	N/A
40	Pre-Ongard Well Operator	Gulf Oil Corp #001	30-025-22077	05/11/67	Plugged	10,300	33.374910	-103.6171442	N/A
41	Pre-Ongard Well Operator	Tipperary Oil & Gas #001	30-025-20677	05/01/65	Plugged	10,217	33.378931	-103.6125237	N/A

**Table A-1. Oil and Gas Wells within a 2 Mile Radius of State OG SWD #002  
Application for Authorization to Inject  
Jay Management, Lea County, New Mexico**

Map ID Number	Operator	Well Name	API Number	Spud Date	Status	Depth (ft)	NAD83 Coordinates		Pool Name
							Latitude	Longitude	
42	Pre-Ongard Well Operator	Allen K Trobaugh #001	30-025-22184	07/20/67	Plugged	10,258	33.371362	-103.6085012	N/A
43	Pre-Ongard Well Operator	Gulf Oil Corp #001	30-025-22086	04/22/67	Plugged	10,200	33.371382	-103.5998259	N/A
44	Pre-Ongard Well Operator	Felmont Oil Corp #001	30-025-00995	08/08/57	Plugged	10,121	33.378607	-103.6041754	N/A
45	Pre-Ongard Well Operator	Felmont Oil Corp #001	30-025-20158	04/21/63	Plugged	10,224	33.367680	-103.6042349	N/A
46	Pre-Ongard Well Operator	Allen K Trobaugh #002	30-025-21788	07/12/66	Plugged	10,135	33.363961	-103.6087181	N/A
47	Pre-Ongard Well Operator	Stoltz & Co #002	30-025-21389	09/26/65	Plugged	10,079	33.357269	-103.6124972	N/A
48	Pre-Ongard Well Operator	Dwight A Tipton #001	30-025-22577	06/23/68	Plugged	10,360	33.367675	-103.6430628	N/A
49	Pre-Ongard Well Operator	Texas Pacific Oil Well #004	30-025-22114	05/20/67	Plugged	1,006	33.382117	-103.6001409	N/A
50	Pre-Ongard Well Operator	Texas Pacific Oil C #002	30-025-20968	02/14/66	Plugged	10,205	33.385793	-103.6003121	N/A
51	Pre-Ongard Well Operator	Charles B Gillespie #001	30-025-20969	02/06/65	Plugged	10,200	33.389406	-103.6042308	N/A
52	Pre-Ongard Well Operator	Dwight A Tipton #002	30-025-22385	03/13/68	Plugged	10,290	33.389036	-103.6085518	N/A
53	Pre-Ongard Well Operator	Stoltz & Co Inc Well #001	30-025-22179	07/18/67	Plugged	10,450	33.397868	-103.614867	N/A
54	Pre-Ongard Well Operator	Dwight A Tipton #001	30-025-22377	12/28/67	Plugged	10,400	33.378618	-103.6389202	N/A
55	Pre-Ongard Well Operator	Dwight A Tipton #001	30-025-22197	09/05/67	Plugged	10,360	33.374807	-103.630031	N/A
56	Pre-Ongard Well Operator	Tipperary Oil & Gas #001	30-025-22068	04/04/67	Plugged	10,400	33.378658	-103.630126	N/A
57	Pride Energy Company	Bagley #001	30-025-20610	10/16/64	Plugged	10,360	33.386061	-103.6125407	N/A
58	Pride Energy Company	JP Collier #003	30-025-21787	05/29/66	Plugged	10,200	33.385346	-103.6041625	N/A
59	Prime Operating	State DG #001	30-025-21948	12/16/66	Plugged	10,268	33.367621	-103.6215974	N/A
60	Prime Operating	State DC #001	30-025-21757	04/09/66	Active	10,826	33.360487	-103.6128181	North Bagley Permo Penn
61	Prime Operating	State DK #002	30-025-22392	01/14/68	Active	10,270	33.371242	-103.6388488	North Bagley Lower Penn
62	Prime Operating	State DK #001	30-025-22314	11/07/67	Plugged	10,338	33.371151	-103.6302974	N/A
63	Read & Stevens Inc	Shell State #002	30-025-22596	06/05/68	Active	10,370	33.367577	-103.6468776	North Bagley Lower Penn
64	Read & Stevens Inc	Shell State #001	30-025-22409	01/24/68	Active	10,363	33.371266	-103.6469489	North Bagley Permo Penn
65	Read & Stevens Inc	Sun State #001	30-025-22718	09/15/68	Plugged	10,400	33.374697	-103.6471925	N/A
66	Sabre Op INC	Bagley State #003	30-025-22016	01/28/67	Plugged	10,275	33.371362	-103.6215023	N/A
67	Sabre Op INC	Bagley State #002	30-025-21928	12/04/66	Plugged	10,200	33.371025	-103.6168675	N/A
68	Sabre OP Inc	Bagley State #001	30-025-21889	10/18/66	Plugged	10,200	33.367740	-103.612827	N/A
69	Tipperary Oil & Gas Corp	Bell #003	30-025-21815	07/17/66	Plugged	10,200	33.357372	-103.6128347	N/A
70	Tipperary Oil & Gas Corp	Helen #001	30-025-22440	02/22/68	Plugged	10,346	33.360467	-103.6388167	N/A
71	Tipperary Oil & Gas Corp	Bess #001	30-025-22335	11/20/67	Plugged	10,250	33.356935	-103.6344277	N/A
72	WestStar Exploration Company	TP A State #002	30-025-22013	01/27/67	Plugged	4,500	33.375392	-103.5998497	N/A

Map ID number correspond to mapped wells in Figure 1

**Table A-2. Produced Water Samples for the State OG SWD No. 2  
Lea County, New Mexico**

Well Name	API	Section	Township	Range	Unit	Formation	Sample Source	TDS mg/L	Chloride mg/L
STATE BT P #001	3002501014	34	11S	33E	E	PERMO-PENNSYLVANIAN	PRODUCTION TEST	73630	42400
GRAHAM B STATE #001	3002522406	30	11S	33E	A	WOLFCAMP	N/A	8606	3437
LANE B #001	3002500974	1	10S	33E	F	PENNSYLVANIAN	UNKNOWN	81674	48850
LANE B #003	3002500975	1	10S	33E	C	SAN ANDRES	SEPARATOR	84547	51580
STATE BT N #001	3002501012	34	11S	33E	P	DEVONIAN	UNKNOWN	51781	30040



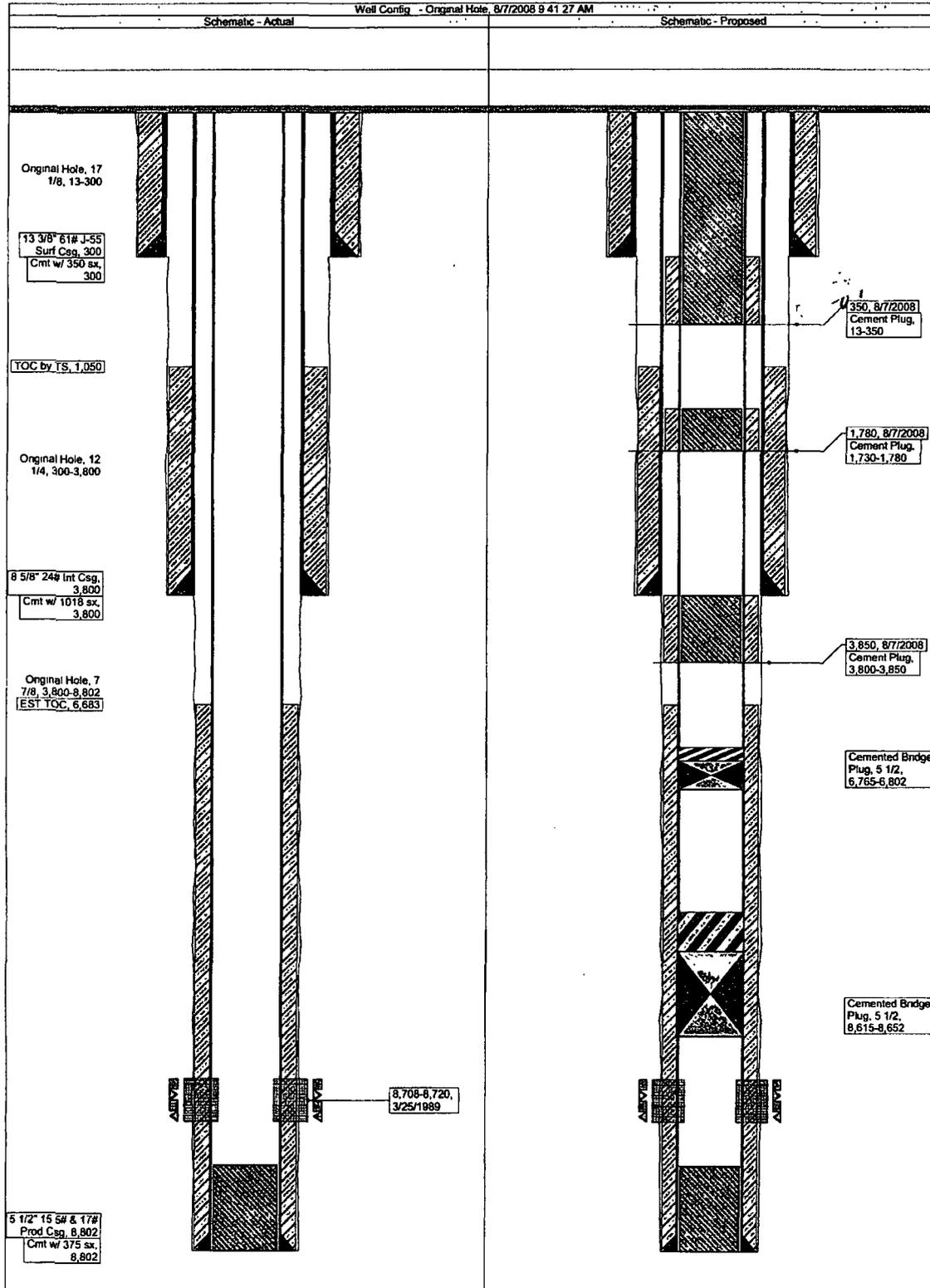
# Proposal - Workover

STATE OG 1-9

Field: N BAGLEY (PERMO-PENN)  
County: LEA  
State: NEW MEXICO  
Elevation: GL 3,288.80 KB 3,302.00  
KB Height: 13.20

Spud Date: 3/6/1989  
Initial Compl. Date:  
API #: 3002530566  
CHK Property #: 890198  
1st Prod Date: 4/1/1989  
PBDT: Original Hole - 8758.0  
TD: 8,802.0

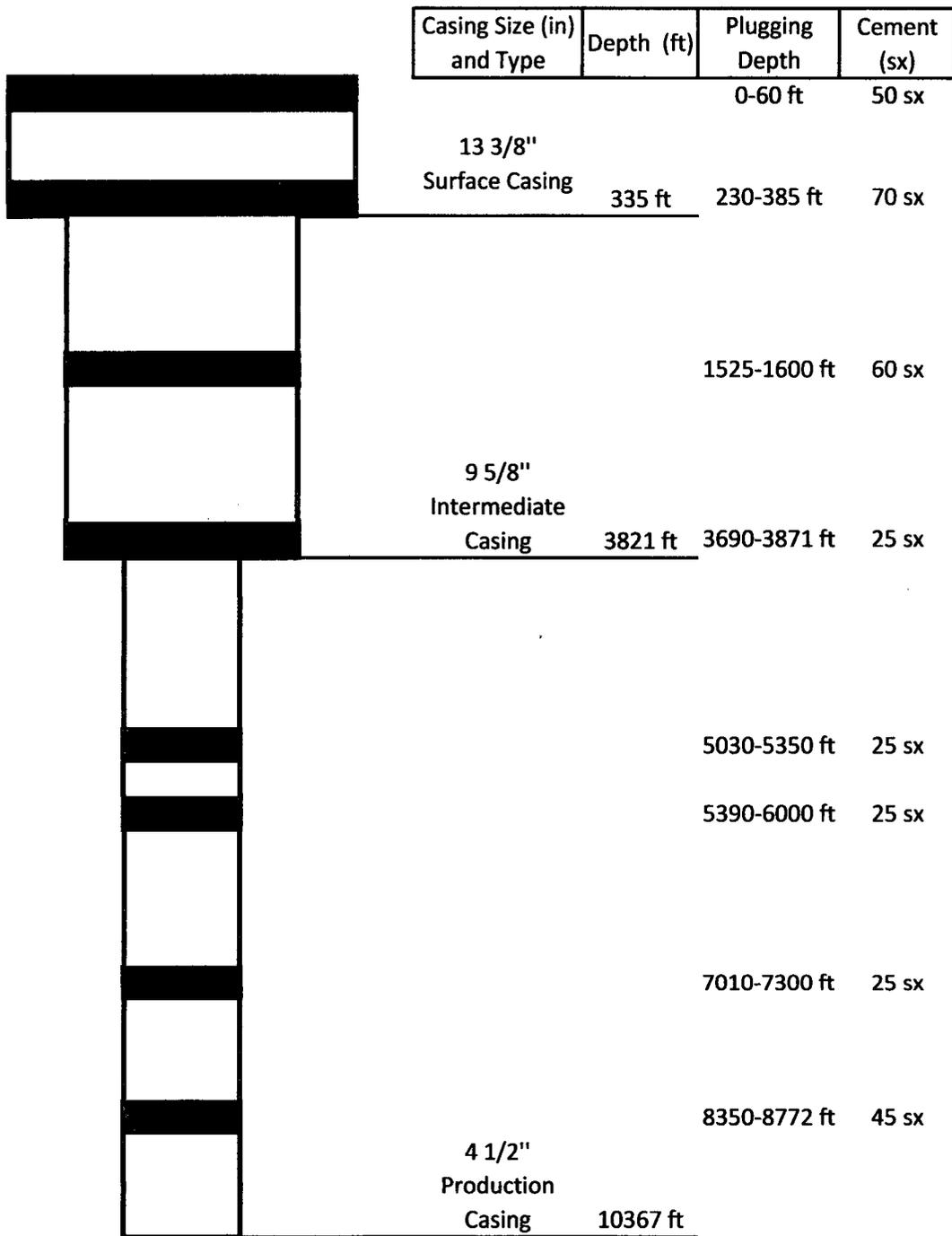
Location: SEC 9, 11S-33E, 2065 FSL & 2010 FWL



Plugged Well Schematic

Operator: Jay Management Company LLC  
 Well: Collier #001  
 API: 30-025-00994

Twolf Reference #: 30

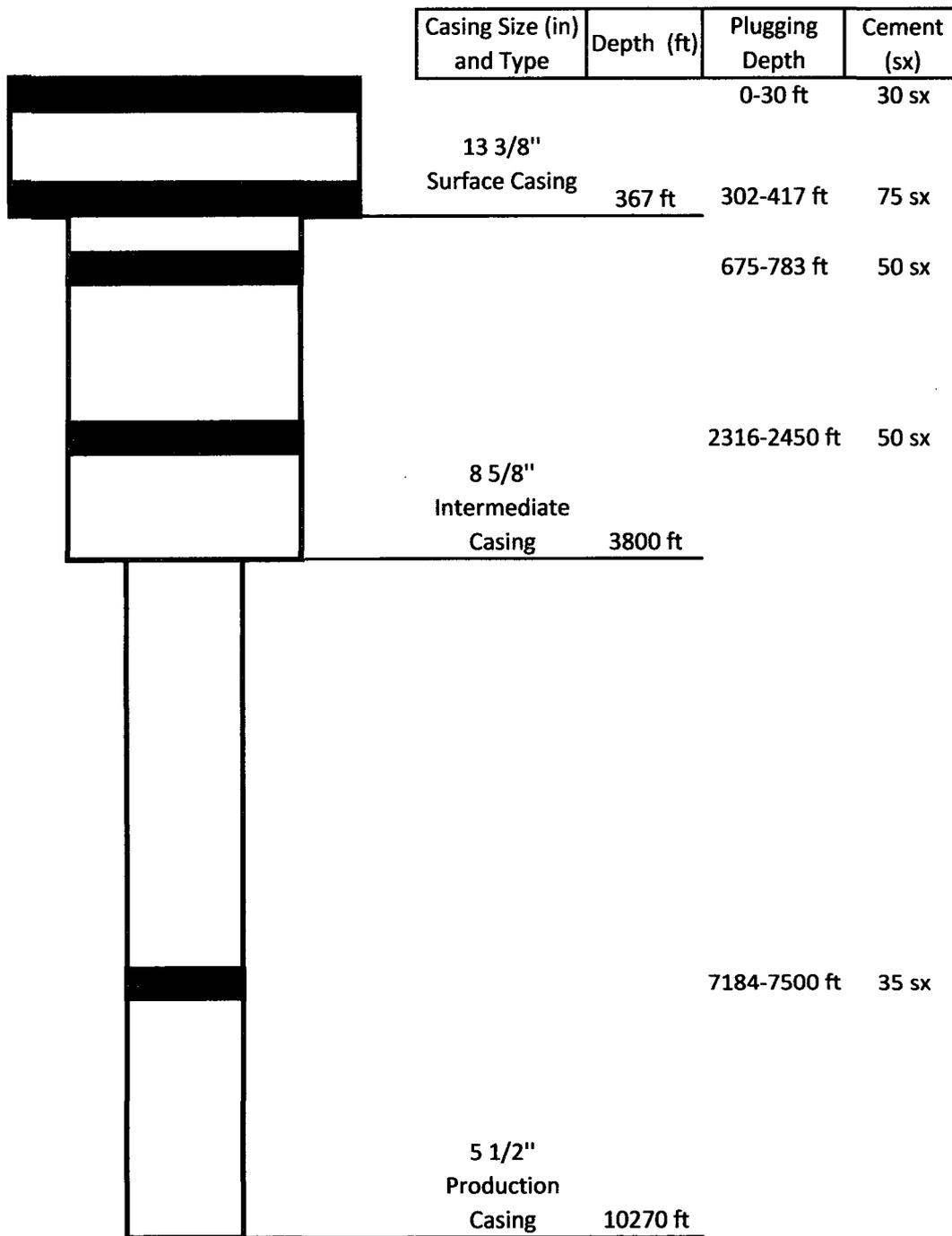


 Cement Plug

### Plugged Well Schematic

Operator: LBO New Mexico Inc  
 Well: State OG #002  
 API: 30-025-22329

Twolf Reference #: 33

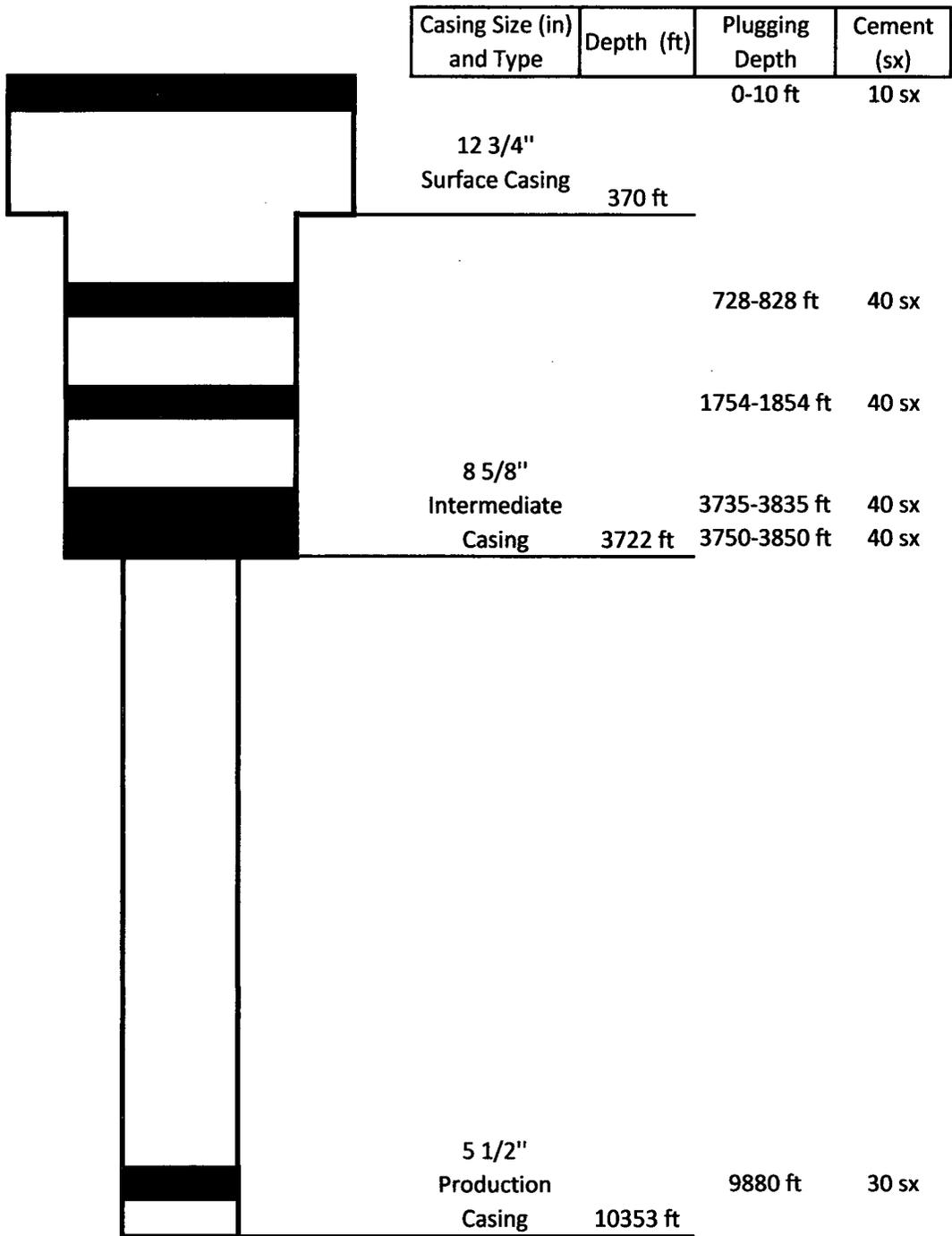


Cement Plug

# Plugged Well Schematic

Operator: Pre-Ongard Well Operator  
 Well: Southland Royalty C #001  
 API: 30-025-22467

Twolf Reference #: 39

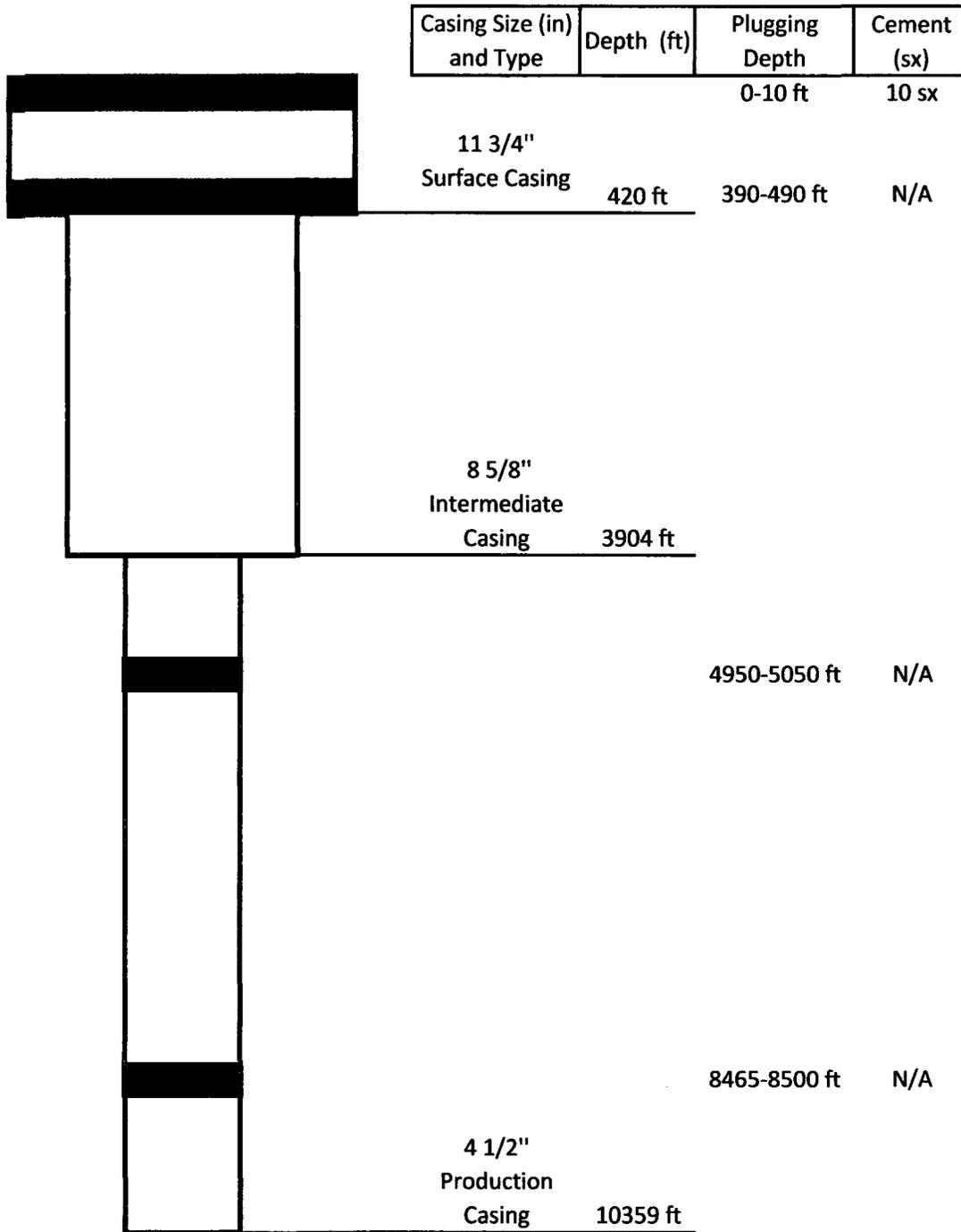


 Cement Plug

# Plugged Well Schematic

Operator: Pre-Ongard Well Operator  
 Well: Dwight A Tipton #001  
 API: 30-025-22197

Twolf Reference #: 55

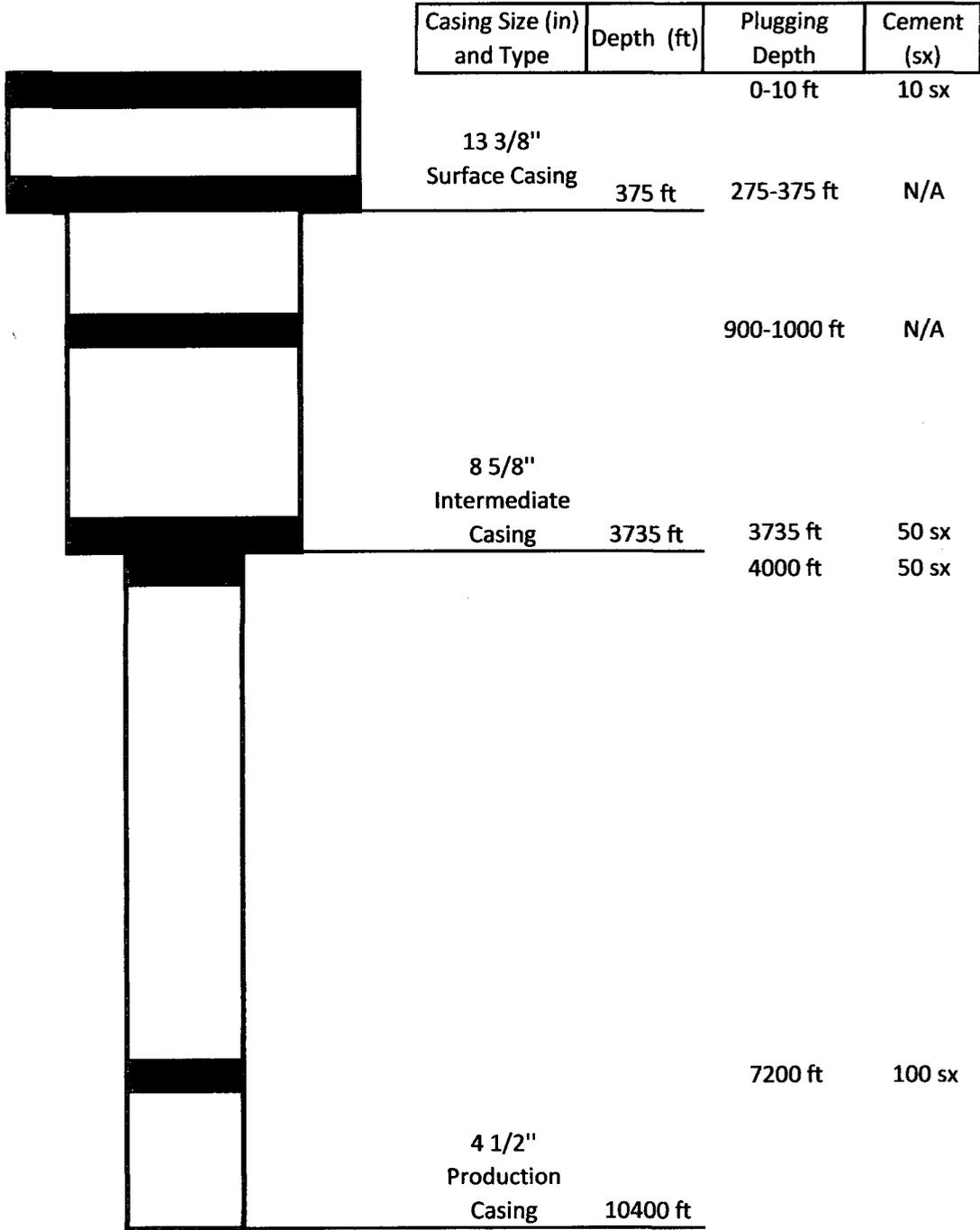


 Cement Plug

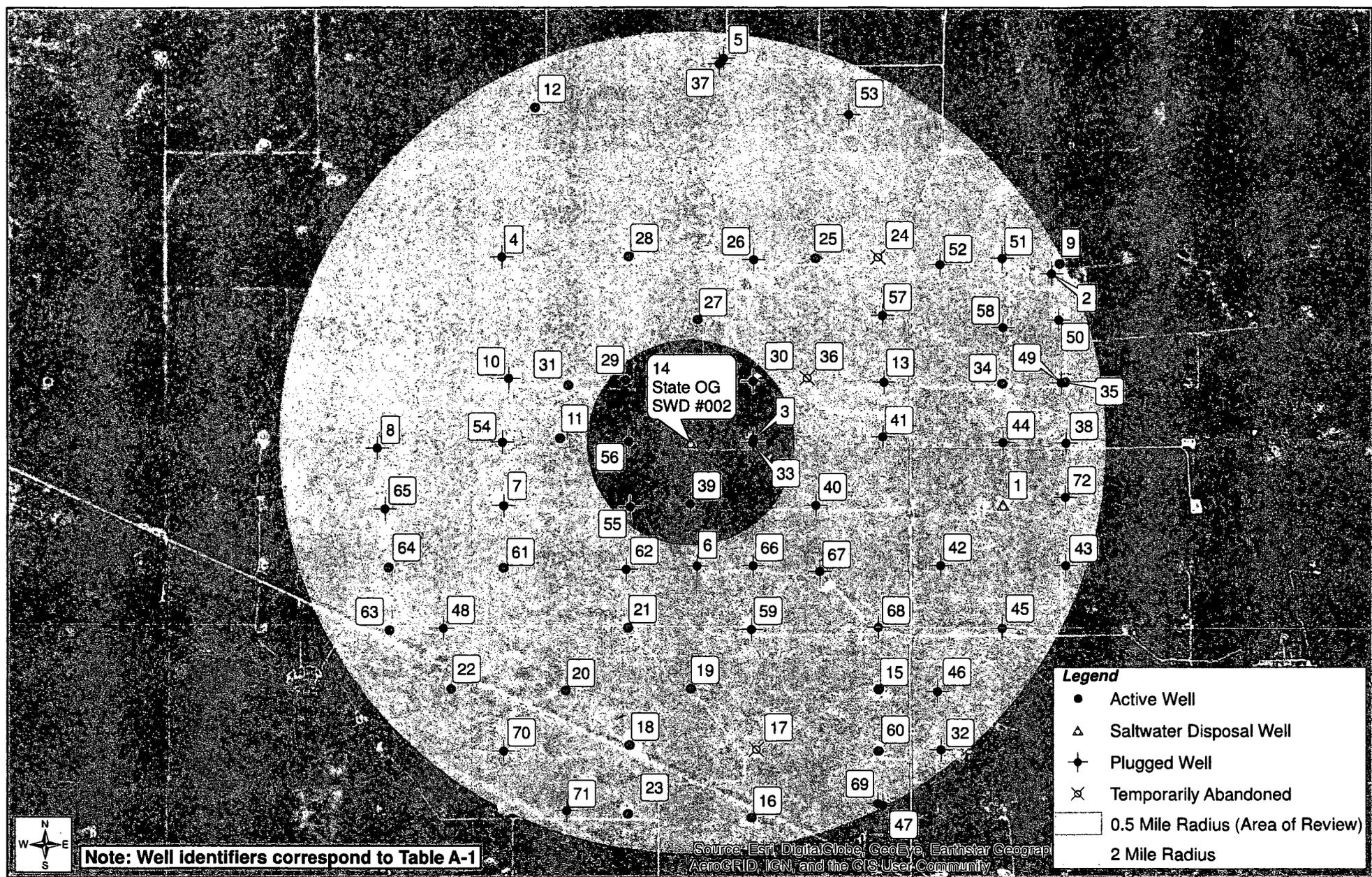
Plugged Well Schematic

Operator: Pre-Ongard Well Operator  
 Well: Tipperary Oil & Gas #001  
 API: 30-025-22068

Twolf Reference #: 56



 Cement Plug



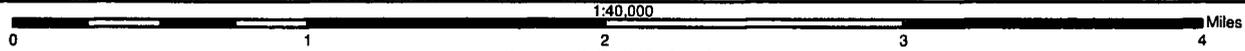
**Figure 1**  
2 Mile Radius and  
Area of Review Map

**Application for Authorization to Inject**

February 2, 2018

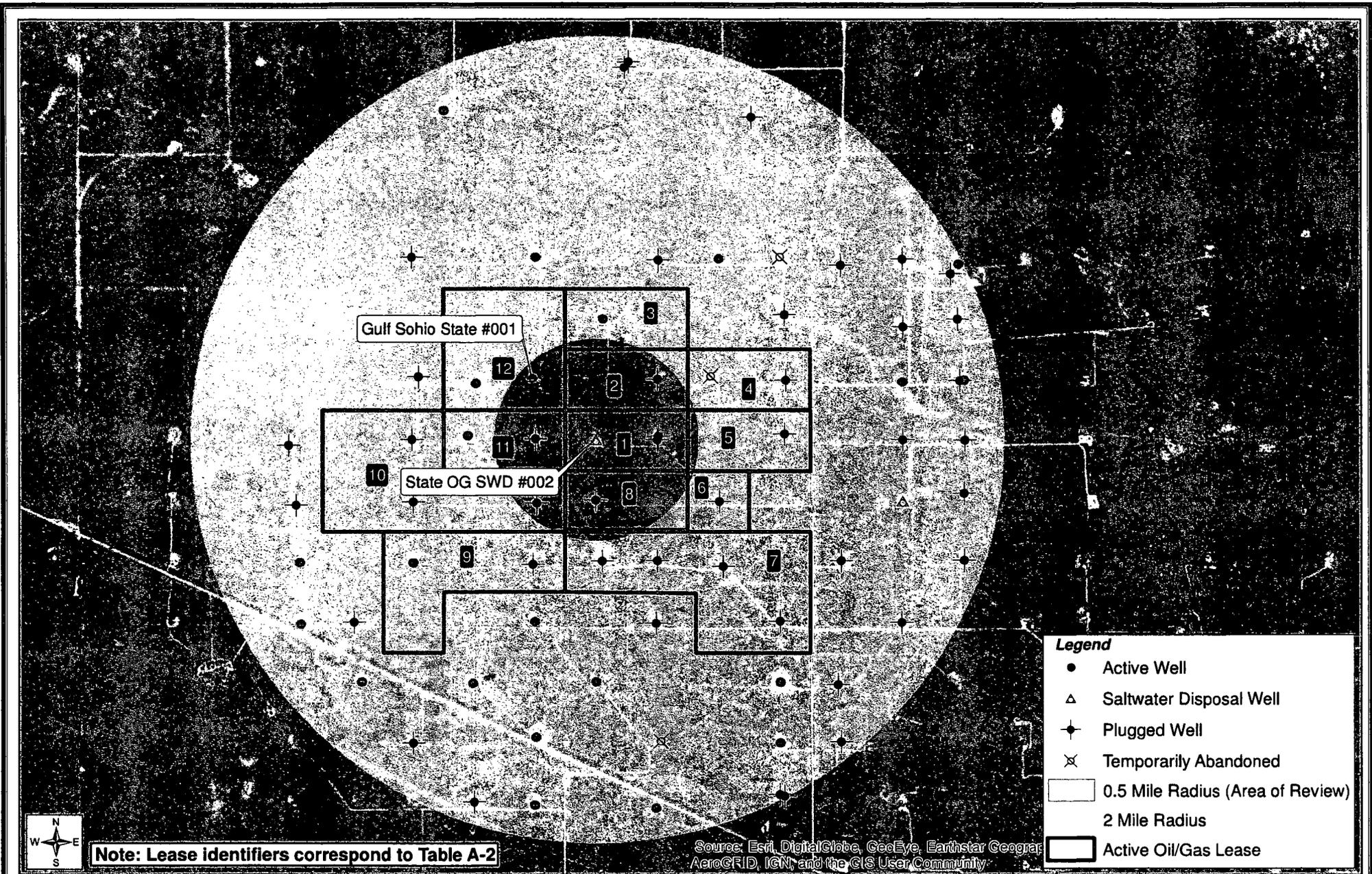


Created By:  
Russell Greer  
TE Project No.: ISR-180006



**State OG SWD #002**  
**Jay Management, LLC**  
**Bagley North Oil Field, Lea County, New Mexico**

Datum: NAD83  
Imagery Source: ESRI  
Vector Source: TE



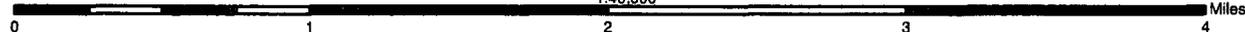
**Legend**

- Active Well
- △ Saltwater Disposal Well
- ★ Plugged Well
- ✕ Temporarily Abandoned
- 0.5 Mile Radius (Area of Review)
- 2 Mile Radius
- ▭ Active Oil/Gas Lease



Note: Lease identifiers correspond to Table A-2

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, AeroGRID, IGN, and the GIS User Community

<p><b>Figure 2</b> Active Oil/Gas Well and Lease Location Map</p>	<p><b>Application for Authorization to Inject</b></p>	<p>February 2, 2018</p>
 <p><b>TIMBERWOLF ENVIRONMENTAL</b></p> <p>Created By: Russell Greer TE Project No.: ISR-180006</p>	<p>1:40,000</p>  <p>0 1 2 3 4 Miles</p> <p><b>State OG SWD #002</b> <b>Jay Management, LLC</b> <b>Bagley North Oil Field, Lea County, New Mexico</b></p>	<p>Datum: NAD83 Imagery Source: ESRI Vector Source: TE</p>

**OIL CONSERVATION DIVISION**  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

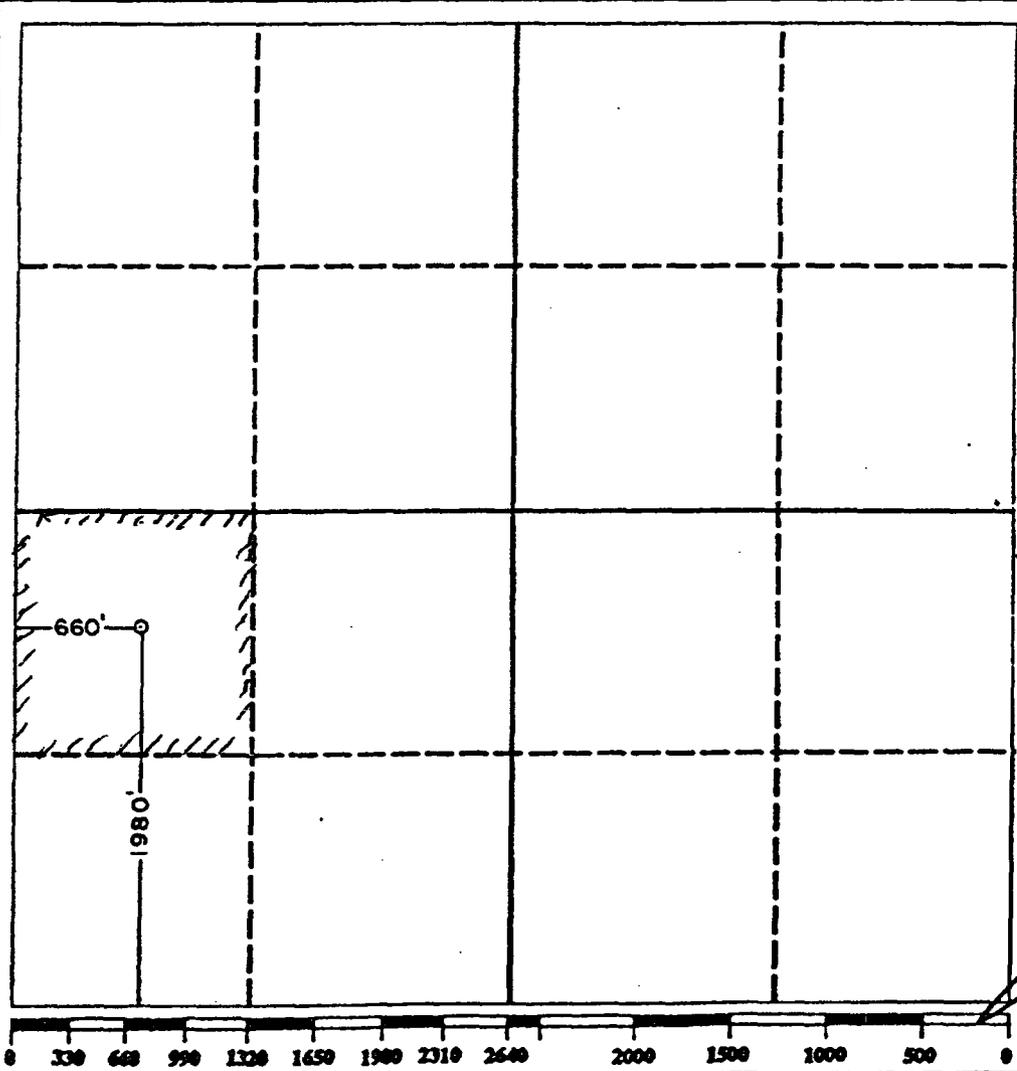
DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

**WELL LOCATION AND ACREAGE DEDICATION PLAT**  
All Distances must be from the outer boundaries of the section

Operator LBO of New Mexico Inc.			Lease OG State		Well No. 2
Unit Letter L	Section 9	Township 11 South	Range 33 East	County Lea	
Actual Footage Location of Well: 660 feet from the West line and 1980 feet from the South line					
Ground level Elev. 3291.8	Producing Formation MISSISSIPIAN	Pool Wildcat <del>NORTH BAGLEY PERMO PENN</del>		Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
  - Yes
  - No
 If answer is "yes" type of consolidation \_\_\_\_\_  
 If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary).  
 No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



**OPERATOR CERTIFICATION**  
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature: *[Signature]*

Printed Name: Raymond Diaz

Position: President

Company: LBO New Mexico

Date: September 9, 1991

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**SURVEYOR CERTIFICATION**  
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: August 14, 1991

Signature & Seal of Professional Surveyor: *[Signature]*

Certificate No. JOHN W. WEST 676  
RONALD J. EDSON 3239

NEW MEXICO PROFESSIONAL SURVEYORS

# Affidavit of Publication

STATE OF NEW MEXICO  
COUNTY OF LEA

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

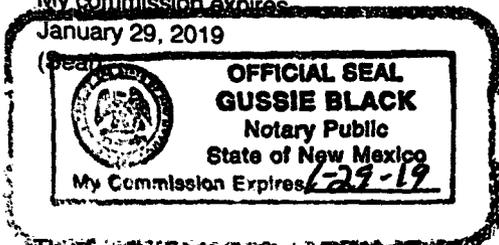
Beginning with the issue dated  
May 26, 2018  
and ending with the issue dated  
May 26, 2018.

  
\_\_\_\_\_  
Publisher

Sworn and subscribed to before me this  
26th day of May 2018.

  
\_\_\_\_\_  
Business Manager

My commission expires  
January 29, 2019



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

## LEGAL NOTICE May 26, 2018

Public Notice for State OG SWD #2 (API: 30-025-31381)  
Jay Management Company, LLC  
1001 West Loop, Suite 750  
Houston, Texas 77027  
(713) 621-6785  
Contact Party: Jim Foster (979) 324-2139

The intended purpose of this injection well is for disposal of produced water associated with oil and gas production activities. This well is a permitted disposal well into the San Andres formation. This application is made to expand the injection interval and to utilize the well for commercial use. The location of the well is 1880 feet from the South Line and 660 feet from the West Line of Section 9, Township 11S, Range 33E, which is in the NW/4 of the SW/4 of the aforementioned section.

The formation name is the San Andres; injection intervals to be between a depth of 4,590' to 4,829'; a maximum injection rate of 6,000 barrels per day with maximum pressure of 947 PSI.

Interested parties must file objections or request a hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days, by Monday the 11th of June.  
#32848

67114900

00212374

MORGAN VIZI  
TIMBERWOLF ENVIRONMENTAL  
1920 W. VILLA MARIA, STE 205  
BRYAN, TX 77807

RECEIVED:	REVIEWER:	TYPE:	APP NO:
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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:** Jay Management Company, LLC **OGRID Number:** 247692  
**Well Name:** State OG SWD #2 **API:** 30-025-31381  
**Pool:** N/A **Pool Code:** N/A

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

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

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

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

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

Jim Foster  
 \_\_\_\_\_  
 Print or Type Name

06/06/18  
 \_\_\_\_\_  
 Date

(979) 324-2139  
 \_\_\_\_\_  
 Phone Number

\_\_\_\_\_  
 Signature

jim@teamtimberwolf.com  
 \_\_\_\_\_  
 e-mail Address

