



Lynda Y Muncy
Secretary
Direct (505) 989 7365
Email lynda.muncy@gknet.com

May 9 2017

STATE OF NEW MEXICO
ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Case 15723

Re Application

To Whom It May Concern

Enclosed please find an original and 3 copies of the application of OWL SWD Operating, LLC for authorization to inject for filing with the Oil and Conservation Division. This office respectfully requests that an endorsed copy be returned via courier.

Very truly yours,

GALLAGHER & KENNEDY, P A

By

Lynda Y Muncy

LYM lym
Original Application & 3 copies of Application

**STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION**

**IN THE MATTER OF THE APPLICATION
OF OWL SWD OPERATING, LLC FOR
AUTHORIZATION TO INJECT, LEA COUNTY,
NEW MEXICO**

CASE NO 15723

APPLICATION

OWL SWD Operating, LLC ("OWL"), by and through its undersigned attorneys, applies pursuant to 19 15 26 8 NMAC for an order authorizing the injection of water for disposal into the Yates-Seven Rivers formation in Lea County, New Mexico. In support of its Application, OWL states

1 OWL is the operator of the following well

Bobcat SWD No 1
740 FSL & 705'FEL (Unit P)
Section 25
T-25S, R 36E, NMPM
Lea County, New Mexico

2 The Bobcat SWD No 1 well is a proposed new well to be drilled to a total depth of approximately 3,060 feet. Applicant proposes to complete the well for injection of water into the Yates Seven Rivers formation by open hole from 2,915 to 3,060 feet.

3 Injection operations through the well will be conducted at an anticipated average daily injection pressure of 550 PSI (surface pressure) and maximum injection pressure of 580 PSI (surface pressure). OWL proposes injection of water at average daily rates of approximately 25,000 bbls and a maximum daily rate of approximately 30,000 bbls. The source of the injected fluids will be formation water from the Delaware, Bone Spring, Devonian, and Yates Seven Rivers formations.

4 OWL's proposed injection operation can be conducted in a safe and responsible manner without causing waste, impairing correlative rights or endangering fresh water, public health or the environment

5 OWL submitted a Form C-108 for authority to inject which has been filed with the Division. The Division advised OWL per letter dated April 20, 2017 that this application will have to be considered by hearing. Included with this application as "Exhibit A" is the completed Form C-108 (excluding copies of files on nearby wells attached to the form)

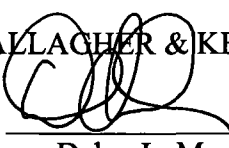
6 OWL currently injects into the Maralo Sholes B Well No. 2 under authority of Administrative Order SWD-1127. OWL intends the Bobcat SWD No. 1 well to replace the Maralo Sholes B Well No. 2.

WHEREFORE, OWL requests that the Division set this matter for hearing before a duly appointed examiner of the Oil Conservation Division on June 8, 2017, and that after notice and hearing as required by law, enter its order approving the use of the Bobcat SWD No. 1 for the injection of water into the Yates Seven Rivers formation at the intervals and the pressures, volumes and rates indicated, and making such other and further provisions as the Division determines to be appropriate in accordance with law.

Respectfully submitted,

GALLAGHER & KENNEDY, P A

By


Dalva L. Moellenberg
Anthony J. Trujillo
Rikki-Lee Chavez
1239 Paseo de Peralta
Santa Fe, New Mexico 87501
(505) 982-9523 (Telephone)
(505) 983-8160 (Fax)

ATTORNEYS FOR OWL SWD Operating, LLC

Application of OWL SWD Operating, LLC for Authorization to Inject, Lea County, New Mexico Applicant seeks an order authorizing the injection of water for disposal into the Yates-Seven Rivers formation in Lea County, New Mexico in the following well

Bobcat SWD No 1
740' FSL & 705 FEL (Unit P)
Section 25
T-25S, R-36E, NMPM
Lea County, New Mexico

Applicant proposes to drill the well at the above location and use it for injection of produced water at depths of 2,915 to 3,060 feet subsurface. The well is located approximately one mile west of Jal, New Mexico.

EXHIBIT

“A”

DATE IN	SUSPENSE	ENGINEER	LOGGED IN	TYPE	APP NO
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St Francis Drive, Santa Fe, NM 87505



Case 15723

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

Application Acronyms

[NSL Non-Standard Location] [NSP Non-Standard Proration Unit] [SD-Simultaneous Dedication]
 [DHC Downhole Commingling] [CTB-Lease Commingling] [PLC Pool/Lease Commingling]
 [PC Pool Commingling] [OLS Off-Lease Storage] [OLM-Off Lease Measurement]
 [WFX Waterflood Expansion] [PMX Pressure Maintenance Expansion]
 [SWD-Salt Water Disposal] [IPI Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION Check Those Which Apply for [A]

[A] Location Spacing Unit Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling Storage Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☒ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other Specify _____

[2] NOTIFICATION REQUIRED TO Check Those Which Apply or ☐ Does Not Apply

[A] ☐ Working Royalty or Overriding Royalty Interest Owners

[B] ☒ Offset Operators Leaseholders or Surface Owner

[C] ☒ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO
 U S Bureau of Land Management Commissioner of Public Lands State Land Office

[E] ☒ For all of the above Proof of Notification or Publication is Attached and/or,

[F] ☐ Waivers are Attached

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE

[4] 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

Stephen L Pattee, P G

Print or Type Name

Signature

Engineer - Agent for OWL

Title

04-28-2017

Date

steve@lonquist.com

e mail Address

District I
1625 N French Dr Hbb NM 88240
Phone (575) 393-6161 Fax (575) 393 0720
District II
811 S First St Artesia, NM 88210
Phone (575) 748 1283 Fax (575) 748 9720
District III
1000 Rio Brazos Road Aztec NM 87410
Phone (505) 334 6178 Fax (505) 334-6170
District IV
1220 S St Francis Dr Santa Fe NM 87505
Phone (505) 476 3460 Fax (505) 476 3462

State of New Mexico

Form C 101
Revised July 18 2013

Energy Minerals and Natural Resources

Oil Conservation Division

☐ AMENDED REPORT

1220 South St Francis Dr

Santa Fe, NM 87505

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address OWL SWD Operating, LLC 8214 Westchester Drive, Suite 850 Dallas TX 75255		OGRID Number 308339
		API Number 30-025
Property Code	Property Name Bobcat SWD	Well No 1

Surface Location

UL Lot P	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
	25	25S	36E		740	South	705	East	Lea

Proposed Bottom Hole Location

UL Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County

Pool Information

Pool Name SWD Yates Seven Rivers	Pool Code 96141
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Additional Well Information

Work Type N	Well Type SWD	Cable/Rotary R	Lease Type Private	Ground Level Elevation 3,307'
Multiple N	Proposed Depth 3,060'	Formation Yates - Seven Rivers	Contractor TBD	Spud Date ASAP
Depth to Ground water 448	Distance from nearest fresh water well 2 328	Distance to nearest surface water +1 mi		

☐ We will be using a closed loop system in lieu of lined pits

Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	12 25"	9 625"	36 0 lb/ft	1,325'	485 sks	Surface
Production	8 75"	7 00"	26 0 lb/ft	2,915'	575 sks	Surface
Tubing	N/A	4 50"	9 50 lb/ft	2,815'	N/A	N/A

Casing/Cement Program Additional Comments

See attached schematic

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Hydraulic/ Blinds, Pipe	2,000 psi	2,000 psi	Schaffer/Cameron

I hereby certify that the information given above is true and complete to the best of my knowledge and belief
I further certify that I have complied with 19 15 14 9 (A) NMAC ☐ and/or 19 15 14 9 (B) NMAC ☒ if applicable
Signature

Printed name Stephen L. Pattee P.G.

Title Consulting Engineer Agent for OWL SWD Operating LLC

E mail Address steve@lonquist.com

Date 04/28/2017

Phone 512 600 1774

OIL CONSERVATION DIVISION

Approved By

Title

Approved Date

Expiration Date

Conditions of Approval Attached

Form C 102
Revised August 1 2011
Submit one copy to
appropriate
District Office
☐ AMENDED REPORT

BOBCAT SWD 001
 NMSP E (NAD 83)
 N (Y) 400500 9'
 E (X) 888384 8
 LAT 32 05 45 95 N
 LONG 103 12 45 52"W

NMSP E (NAD 27)
 N (Y) 400443 2
 E (X) 847196 7
 LAT 32 09 59 720 N
 LONG 103 21 21 867 W

705
 740

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature

04/28/17
 Date

Stephen Patter, P G

Print Name

steve@longquist.com

E-mail Address

SURVEYORS CERTIFICATION

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

APRIL 25 2017

Date of Survey

Signature and Seal of Professional Surveyor

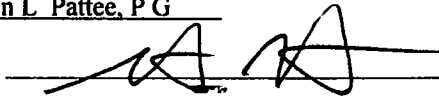
 James E. Tompkins

Job No. WTC51822

James E. Tompkins 14729

Certificate Number

APPLICATION FOR AUTHORIZATION TO INJECT

- I PURPOSE Secondary Recovery Pressure Maintenance ☒ Disposal Storage
Application qualifies for administrative approval? ☒ Yes No
- II OPERATOR OWL SWD Operating, LLC
ADDRESS 8214 Westchester Drive, Suite 850, Dallas, Texas 75255
CONTACT PARTY Preston Carr PHONE 855 695 7937
- 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? Yes ☒ No
If yes give the Division order number authorizing the project _____
- 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 Stephen L Pattee, P G TITLE Consulting Engineer – Agent for OWL
SIGNATURE  DATE 04/28/2017
E MAIL ADDRESS steve@lonquist.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 _____

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

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.

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size 4 50" 9 50 lb/ft J-55 ST&C

Lining Material Duoline

Type of Packer 7 0" D&L Oil Tools Permapak Single Bore

Packer Setting Depth 2,815'

Other Type of Tubing/Casing Seal (if applicable) _____

Additional Data

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

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

2 Name of the Injection Formation Yates- Seven Rivers

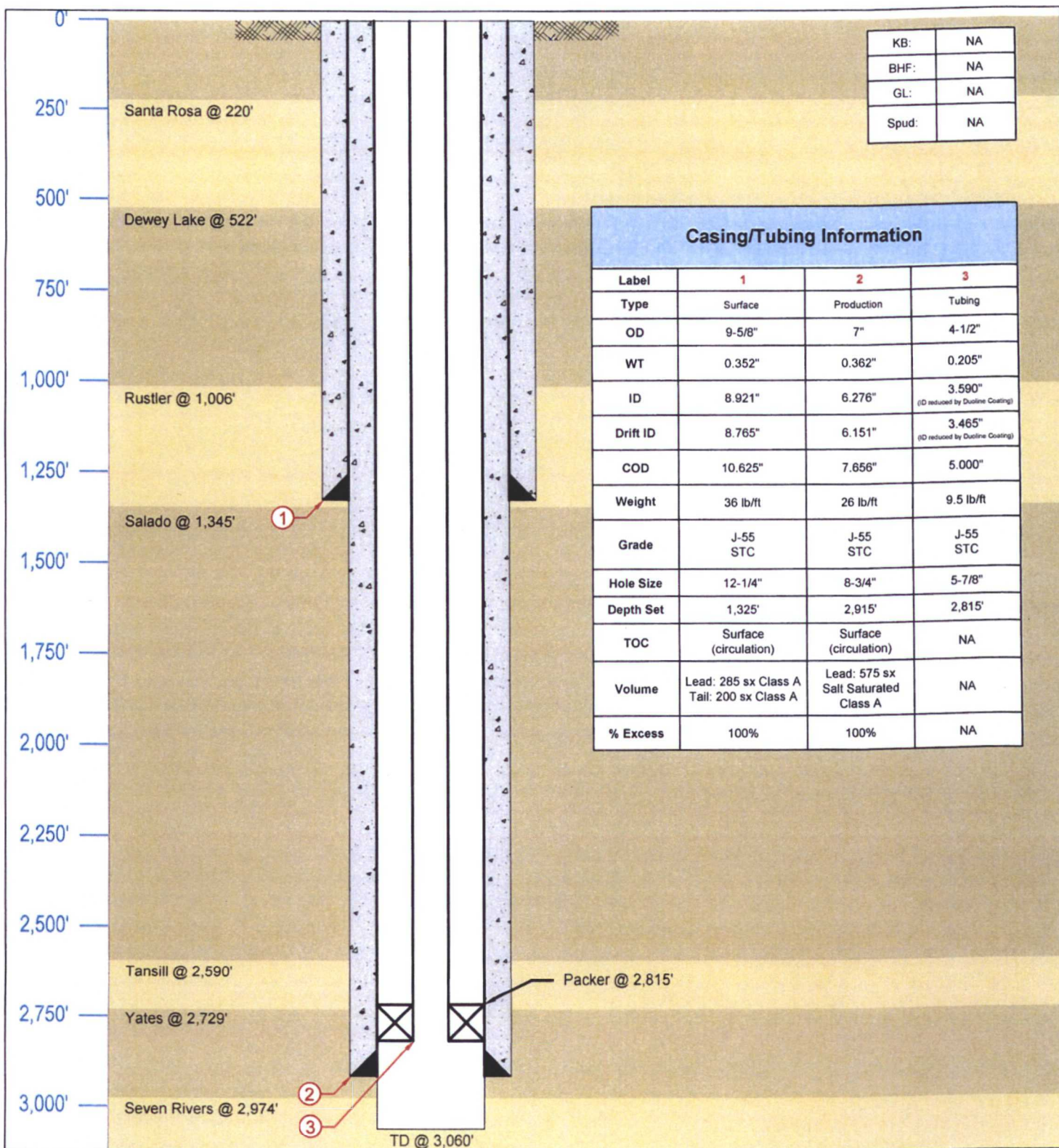
3 Name of Field or Pool (if applicable) SWD, Yates – Seven Rivers (96141)

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 No, this is a new drill

5 Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area Tansil @ 2,590'

Yates @ 2,729'

Seven Rivers @ 2,974'



LONQUIST FIELD SERVICE AUSTIN HOUSTON WICHITA CALGARY	OWL SWD Operating, LLC		Bobcat SWD No. 1	
	Country: USA	State/Province: New Mexico	County/Parish: Lea	
Location:	API No:	Site:	Survey/STR:	
State ID No:	Project No:	Well Type/Status: SWD / New Drill		
Drawn: WHG	Reviewed: SLP	Date: 4/27/17		
Rev No: 1	Notes:			

Texas License F-9147
 3345 Bee Cave Road, Suite 201
 Austin, Texas 78746
 Tel: 512.732.9812
 Fax: 512.732.9816

OWL SWD Operating, Inc

Bobcat SWD No 1

FORM C 108 Supplemental Information

III Well Data

A Wellbore Information

1

Well information	
Lease Name	Bobcat SWD
Well No	1
Location	S 25 T 25S R 36E
Footage Location	740' FSL & 705' FEL

2

a Wellbore Description

Casing Information		
Type	Surface	Long String
OD	9 625"	7 0"
WT	0 352"	0 362
ID	8 921	6 276"
Drift ID	8 765'	6 151'
COD	10 625	7 656
Weight	36 0 #/ft	26 0 #/ft
Grade	J 55, ST&C	J 55, ST&C
Hole Size	12 25	8 75'
Depth Set	1 325	2 915'

b Proposed Cementing Program

Cement Information		
Casing String	Surface	Long String
Lead Cement	12 4 lb/gal 2 24 cf/sk	15 6 lb/gal 1 25 cf/sk
Lead Cement Volume	285 sx	575 sx (37 2% Salt Saturated)
Tail Cement	15 6 lb/gal 1 25 cf/sk	N/A
Tail Cement Volume	200 sx	N/A
Method	Circulate to Surface	Circulate to Surface
Cement Excess	100%	10% in casing 100% in hole
TOC	Surface	Surface

3 Tubing Description

Tubing Information	
OD	4 5'
WT	0 205
ID	3 590 '
Drift ID	3 465
COD	5 00
Weight	9 5 #/ft
Grade	J 55, ST&C
Depth Set	2 815

Tubing will be lined with Duoline

4 Packer Description

D&L Oil Tools 7 0 Permapack Packer – Single Bore

B Completion Information

1 Injection Formation Yates – Seven Rivers

2 Gross Injection Interval 2,915 – 3 060

Completion Type Open Hole

3 Well drilled for injection

4 New drill no prior perforated intervals

5 Oil and Gas Bearing Zones within area of well

Formation	Depth
Tansil	2,590
Yates	2,729
Seven Rivers	2 974'

VI Area of Review

A table and map have been attached containing information on wells that are present within the one half mile AOR For each well within the AOR records and schematics demonstrating completion and P&A, where applicable have been attached if available through the New Mexico OCD's website

VII Proposed Operation Data

1 Proposed Daily Rate of Fluids to be Injection

Average Volume 25 000 BPD

Maximum Volume 30 000 BPD

2 Closed System

3 Anticipated Injection Pressure

Average Injection Pressure 550 PSI (surface pressure)

Maximum Injection Pressure 580 PSI (surface pressure)

4 The injection fluid is to be locally produced water Attached are produced water sample analyses taken from the closest wells that feature samples from the Delaware Bone Spring, Devonian and Yates Seven Rivers formations

5 There is historical production from the Yates Seven Rivers formations within one mile of the proposed well location however most of the wells associated with this production have been plugged and abandoned As such, a chemical analysis of disposal zone formation water is not

required. However, an offset Yates Seven Rivers water sample analysis has been attached for record purposes.

VIII Geological Data

The Yates Formation is a 150 to 200 ft thick siliciclastic unit in the Gaudalupian Artesia Group. The formation is composed of thick sandstone beds interbedded with thin carbonate and evaporites. It is a poorly consolidated, silty, fine-grained rock with porosities ranging from 15 to 28 percent. The Yates is overlain by thick carbonates and evaporites of the Tansil Formation and underlain by carbonates and evaporites of the Seven Rivers Formation.

The Seven Rivers Formation is also a member of the Artesia Group with the Shattuck sandstone member of the Queen at its base and overlain by the Yates Formation. The Seven Rivers Formation is composed of thick carbonate and evaporite beds. Lower porosities are due to the amount of anhydrite and tight carbonate rocks.

Production from these formations has been depleted for decades and they are most likely under pressured. Therefore, they will be able to take water until reaching initial pressure. Through the higher porosities in the injection interval, secondary porosity and an under pressured formation, this injection interval will be able to take disposed water economically.

A Injection Zone Yates – Seven Rivers Formation

Formation	Depth
Santa Rosa	220
Dewey Lake	522
Rustler	1,006
Salado	1,345
Tansil	2,590
Yates	2,729
Seven Rivers	2,974

B Underground Sources of Drinking Water

The lowermost underground source of drinking water (USDW) is anticipated to be approximately 448' below the surface, and fresh water may be present above the Rustler formation. The top of the Rustler formation is estimated at a depth of 1,006', therefore, the surface casing will be set at 1,325' which is below the Rustler and just above the top of the Salado salt formation (top of Salado @ 1,345').

IX Proposed Stimulation Program

No proposed stimulation program.

X Logging and Test Data on the Well

There are no logs or test data on the well. During the process of drilling and completion, resistivity, gamma ray, and density logs will be run.

XI Chemical Analysis of Fresh Water Wells

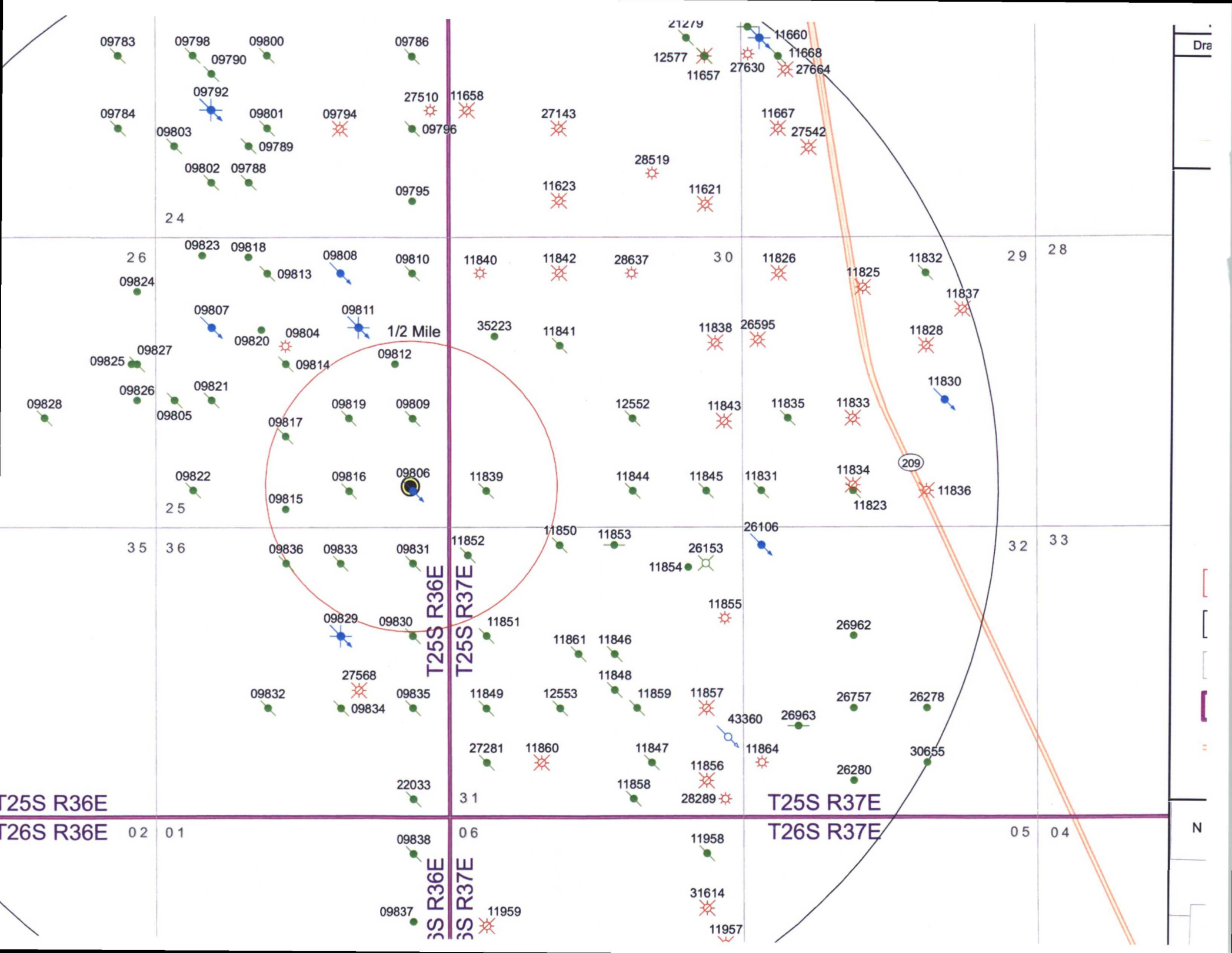
The closest fresh water well (CP 01129 POD2) is located 2 328' from the proposed well location. The well served as a monitoring well for Southern Union Gas Service and is not producing water. POD1 and POD2 both appear to be soil borings only which were plugged upon completion of sampling.

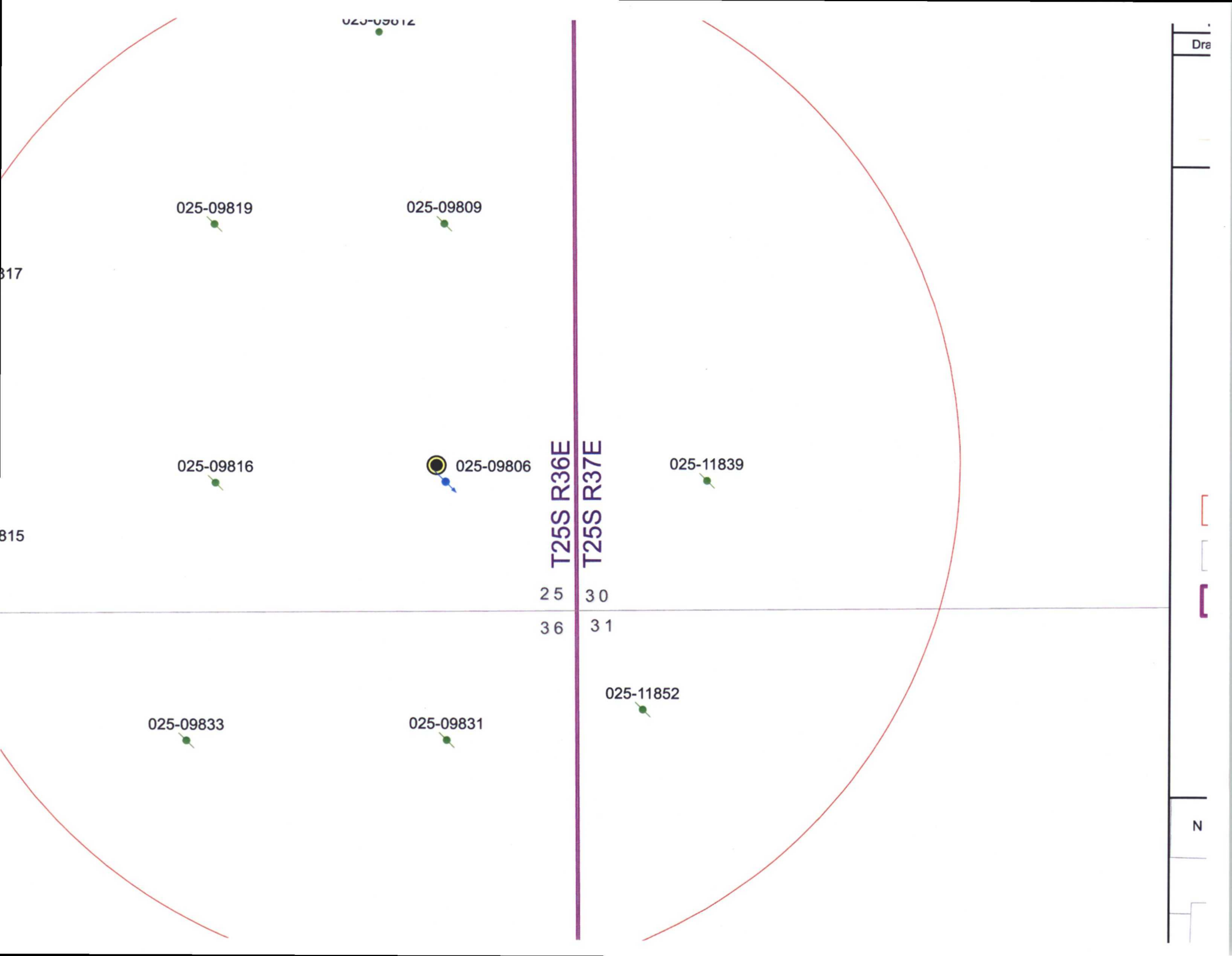
Another well CP 00790 was also found within a 1 mile AOR of the Bobcat SWD No. 1 location. Records indicate that this well ID has been assigned to a well permit which has expired. A diligent attempt to locate and sample these locations will be made with results submitted to the OCD for record purposes.

A map has been attached featuring the proposed well location for Bobcat SWD No. 1 and the location of CP 01129 POD1, CP 01129 POD2, and CP 00790. In addition, the transaction summaries and water right summaries from the New Mexico Office of the State Engineer have been attached for record purposes.

XII Affirmative Statement of Examination of Geologic and Engineering Data

Based on the available engineering and geologic data, we find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.





Half Mile AOR
Bobcat SWD #1

API (30-025)	Well Name	Well Type	Status	Operator	TD (TVD)	Location	Date Drilled
09806	MARALO SHOLES B #002	SWD	Active	OWL SWD OPERATING LLC	3055	P 25 25S 36E	5/25/1947
09809	SHOLES B 25 #003	Oil	Plugged	CONOCOPHILLIPS COMPANY	3035	I 25 25S-36E	8/25/1947
09812	SHOLES B 25 #001	Oil	Active	FULFER OIL & CATTLE LLC	2950	H 25 25S 36E	11/5/1940
09815	HUMPHREYS #001	Oil	Active	FULFER OIL & CATTLE LLC	3255	N 25 25S 36E	2/18/1945
09816	SHOLES B #001	Oil	Plugged	MARALO LLC	3220	O 25 25S-36E	7/1/1946
09817	HUMPHREYS #002	Oil	Plugged	MARALO LLC	3257	K 25 25S 36E	5/14/1945
09819	SHOLES B #003	Oil	Plugged	MARALO LLC	3019	J 25 25S 36E	7/6/1947
09831	HUMBLE STATE #003	Oil	Plugged	MARALO LLC	2950	A 36-25S-36E	6/16/1945
09833	PRE-ONGARD WELL #001	Oil	Plugged	PRE ONGARD WELL OPERATOR	3138	B 36 25S-36E	12/9/1944
11839	PRE-ONGARD WELL #001	Oil	Plugged	PRE ONGARD WELL OPERATOR	3125	4-30 25S 37E	7/22/1948
11852	SHOLES B #004	Oil	Plugged	MARALO LLC	3105	1 31 25S-37E	10/9/1947

Fulfer Oil
& Cattle
Co., LLC

1/2 Mile

Chevron USA Inc, Conoco
Inc, Apache Corp,
ZPZ Delaware I LLC

T25S R36E
T25S R37E

31

Legacy
Reserves
Operating, LP

Federal
Abstract
Company

COG
Operating
LLC

Chevron
USA Inc

Notification Submittals

The following is a list of off set operators and surface landowner to be noticed regarding this application

Notices will be issued on Monday May 1 2017 An affidavit of notice submittals and proofs of certified mail will be submitted to the OCD under separate cover

Bobcat SWD No 1 Notice List				
Notice	Contact	Address		Phone Number
Apache Corp		2000 POST OAK BLVD STE 100	HOUSTON TX 77056	
Chevron USA Inc		6301 DEAUVILLE	MIDLAND TX 79706	
COG Operating LLC	Kanicia Castillo	600 W Illinois Ave	Midland TX 79701	432 685-4332
CONOCOPHILLIPS CO		PO BOX 7500	BARTLESVILLE OK 74005	
Federal Abstract Company		P O Box 2288	Santa Fe NM 87501	505 982 5537
Fulfer Oil & Cattle Co LLC	Gregg Fulfer	PO BOX 1224	JAL NM 88252	
Legacy Reserves Operating LP	John Eklund	P O Box 10848	Midland TX 79702	432 221 6370
ZPZ Delaware I LLC		2000 POST OAK BLVD STE 100	HOUSTON TX 77056	

LEGAL NOTICE
May 3 2017

OWL SWD Operating LLC
8214 Westchester Dr Suite
850 Dallas Texas 75255 is
filling Form C 108
(Application for Authorization
to Inject) with the New
Mexico Oil Conservation
Division for administrative
approval for its salt water
disposal well Bobcat SWD
No 1 The proposed well will
be located 740 FSL & 705
FEL in Section 25 Township
25S Range 36E in Lea
County New Mexico
Disposal water will be
sourced from area
production and will be
injected into the Yates and
Seven Rivers Formations
(determined by offset log
analysis) through an open
hole completion between a
maximum applied for top of
2 915 to a maximum depth
of 3 060 The maximum
surface injection pressure
will be 580 psi with a
maximum rate of 30 000
BWPD Interested parties
opposing the action must file
objections or requests for
hearing with the Oil
Conservation Division 1220
South St Francis Drive
Santa Fe New Mexico
87505 within 15 days
Additional information can
be obtained from the
applicant's agent Lonquist &
Co LLC at (512) 600-1774
#31750

30

CP-00790

NAD 1983
Lat: 32.106713
Long: -103.204023

29

CP-00638

CP-00774

Dra

T25S R36E
T25S R37E



2,328 ft

CP-01129-POD2

NAD 1983
Lat: 32.090551
Long: -103.20888

CP-01129-POD1

NAD 1983
Lat: 32.089162
Long: -103.209157

31 32

N

MITCHELL ANALYTICAL LABORATORY

2638 Faudree
Odessa Texas 79765 8538
561 5579

Company **WadeCo Specialties, LLC**

Well Number	Bobcat SWD T/P	Sample Temp	69 98
Lease	OWL	Date Sampled	7/9/2017
Location	WC56428	Sampled by	Wade Havens
Date Run	2/16/2017	Employee #	
Lab Ref #	17 feb h25945	Analyzed by	GR

Dissolved Gases

		Mg/L	Eq Wt	MEq/L
Hydrogen Sulfide	(H2S)	5 00	16 00	31
Carbon Dioxide	(CO2)	900 00	22 00	40 91
Dissolved Oxygen	(O2)	40	8 00	05

Cations

Calcium	(Ca++)	5 708 40	20 10	284 00
Magnesium	(Mg++)	790 56	12 20	64 80
Sodium	(Na+)	47 829 56	23 00	2 079 55
Barium	(Ba++)	NOT ANALYZED		
Manganese	(Mn+)	1 25	27 50	05
Strontium	(Sr++)	NOT ANALYZED		

Anions

Hydroxyl	(OH)	00	17 00	00
Carbonate	(CO3=)	00	30 00	00
BiCarbonate	(HCO3)	733 20	61 10	12 00
Sulfate	(SO4=)	660 00	48 80	13 52
Chloride	(Cl)	83 892 18	35 50	7 363 16
Total Iron	(Fe)	23 29	18 60	1 25
Total Dissolved Solids		140 543 84		
Total Hardness as CaCO3		17 512 30		
Conductivity MICROMHOS/CM		174 800		

pH	6 010	Specific Gravity 60/60 F	1 098
----	-------	--------------------------	-------

CaSO4 Solubility @ 80 F	38 55MEq/L	CaSO4 scale is unlikely
-------------------------	------------	-------------------------

CaCO3 Scale Index

70 0	125	100 0	445	130 0	1 005
80 0	215	110 0	705	140 0	1 005
90 0	445	120 0	705	150 0	1 345

WadeCo Specialties, LLC

General Information About: Sample 4061			
ASCARTA FEDERAL			
API	300250979	Sample Number	
Unit/Section/ Township/Range	C 2 25S / 36E	Field	JALMAT
County	IL	Formation	ARTESIA
State	MM	Depth	
Lat/Long	32 2204 03.2 968	Sample Source	DST
TDS (mg/L)	35753	Water Type	
Sample Date(MM/DD/YYYY)		Analy Date(MM/DD/YYYY)	
Remark /Description			
Cation Information (mg/L)		Anion Information (mg/L)	
Potassium (K)		Sulfate (SO ₄)	3100
Sodium (Na)		Chloride (Cl)	8400
Calcium (Ca)		Carbonate (CO ₃)	
Magnesium (Mg)		Bicarbonate (HCO ₃)	1220
Barium (Ba)		Hydroxide (OH)	
Manganese (Mn)		Hydrogen Sulfide (H ₂ S)	
Strontium (Sr)		Carbon Dioxide (CO ₂)	
Iron (Fe)		Oxygen (O)	

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ZPZ Delaware I, LLC
 2000 Post Oak Blvd Suite 100
 Houston, Texas 77056

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MAILED 5/1/2017
 New Mexico Energy Mineral &
 Natural Resources Dept Oil
 Conservation Division, District 1
 1625 North French Drive
 Hobbs New Mexico 88240

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Fulfer Oil & Cattle Co LLC
 Attn Gregg Fulfer
 P O Box 1224
 Jal New Mexico 88252

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Legacy Reserve Operating LP
 Attn John Eklund
 P O Box 10848
 Midland Texas 79702

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City

State Zip

Apache Corp
 2000 Post Oak Blvd, Suite 100
 Houston Texas 77056

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Street and Apt

City

State Zip

Chevron USA Inc
 6301 Deauville
 Midland Texas 79706

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