

6/28/2017 DATE IN	SUSPENSE	ENGINEER MAM	6/28/2017 LOGGED IN	TYPE SWD	PKSC1717936409 APP NO.
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

2220 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

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

540-1688
 OWL SWD Operating, LLC (308339)
 Goodbye Toby SWD #1 30-015-
 Siluro-Devonian (97869)

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 of OWL

Title

06/05/2017

Date

steve@lonquist.com

e-mail Address

LONQUIST & CO. LLC

PETROLEUM
ENGINEERS

ENERGY
ADVISORS

AUSTIN · HOUSTON · WICHITA · DENVER · CALGARY

June 28, 2017

Mr. Michael McMillan
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505
(505) 476-3448

**RE: SALTWATER DISPOSAL WELL PERMIT APPLICATION
OWL SWD OPERATING, LLC
GOODBYE TOBY SWD NO. 1**

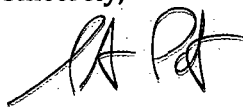
Mr. McMillan:

Please find attached, a permit application for a newly propose saltwater disposal well in Eddy County. The well name for this proposed well is: Goodbye Toby SWD No. 1.

This application is for a new well found on BLM land. A similar application has also been submitted to the BLM for review and approval.

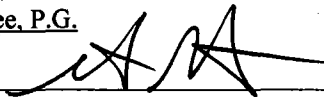
If you have any questions or require any additional information, please don't hesitate to contact me at (512) 600-1774. Thank you Michael.

Sincerely,



Stephen Pattee, P.G.
Regulatory Manager
Lonquist & Co, LLC
(512) 600-1774
steve@lonquist.com

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Storage
Application qualifies for administrative approval? X Yes No
- II. OPERATOR: OWL SWD Operating, LLC
ADDRESS: 8214 Westchester Drive, Suite 850, Dallas, TX 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 X 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: 06/05/2017
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.

INJECTION WELL DATA SHEET

OPERATOR: OWL SWD Operating, LLCWELL NAME & NUMBER: Goodbye Toby SWD No. 1WELL LOCATION: 425' FSL & 949' FWL
FOOTAGE LOCATIONM
UNIT LETTER18
SECTION24S
TOWNSHIP28E
RANGEWELLBORE SCHEMATICWELL CONSTRUCTION DATASurface CasingHole Size: 24.000"Casing Size: 20.00"Cemented with: 1,500 sx.or _____ ft³Top of Cement: surfaceMethod Determined: circulation1st Intermediate CasingHole Size: 17.500"Casing Size: 13.375"Cemented with: 1,500 sx.or _____ ft³Top of Cement: surfaceMethod Determined: circulation2nd Intermediate CasingHole Size: 12.250"Casing Size: 9.625"Cemented with: 2,400 sx.or _____ ft³Top of Cement: surfaceMethod Determined: circulationProduction LinerHole Size: 8.500"Casing Size: 7.000"Cemented with: 400 sx.or _____ ft³

Top of Cement: 10,300'

Method Determined: calculation

Total Depth: 15,250'

Injection Interval

13,800 feet to 15,250 feet

(Open Hole)

INJECTION WELL DATA SHEET

Tubing Size: 5.000", 18 lb/ft, P-110, BT&C from 0' – 10,300' and 5.000", 18 lb/ft, P-110 UFJ from 10,300' – 13,700'

Lining Material: Duoline

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

Packer Setting Depth: 13,700'

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: Silurian-Devonian, Top 100' of Montoya

3. Name of Field or Pool (if applicable): _____

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, new drill.

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Delaware: 2,427'

Bone Spring: 5,962'

Wolfcamp: 9,177'

Strawn: 11,222'

Atoka: 11,447'

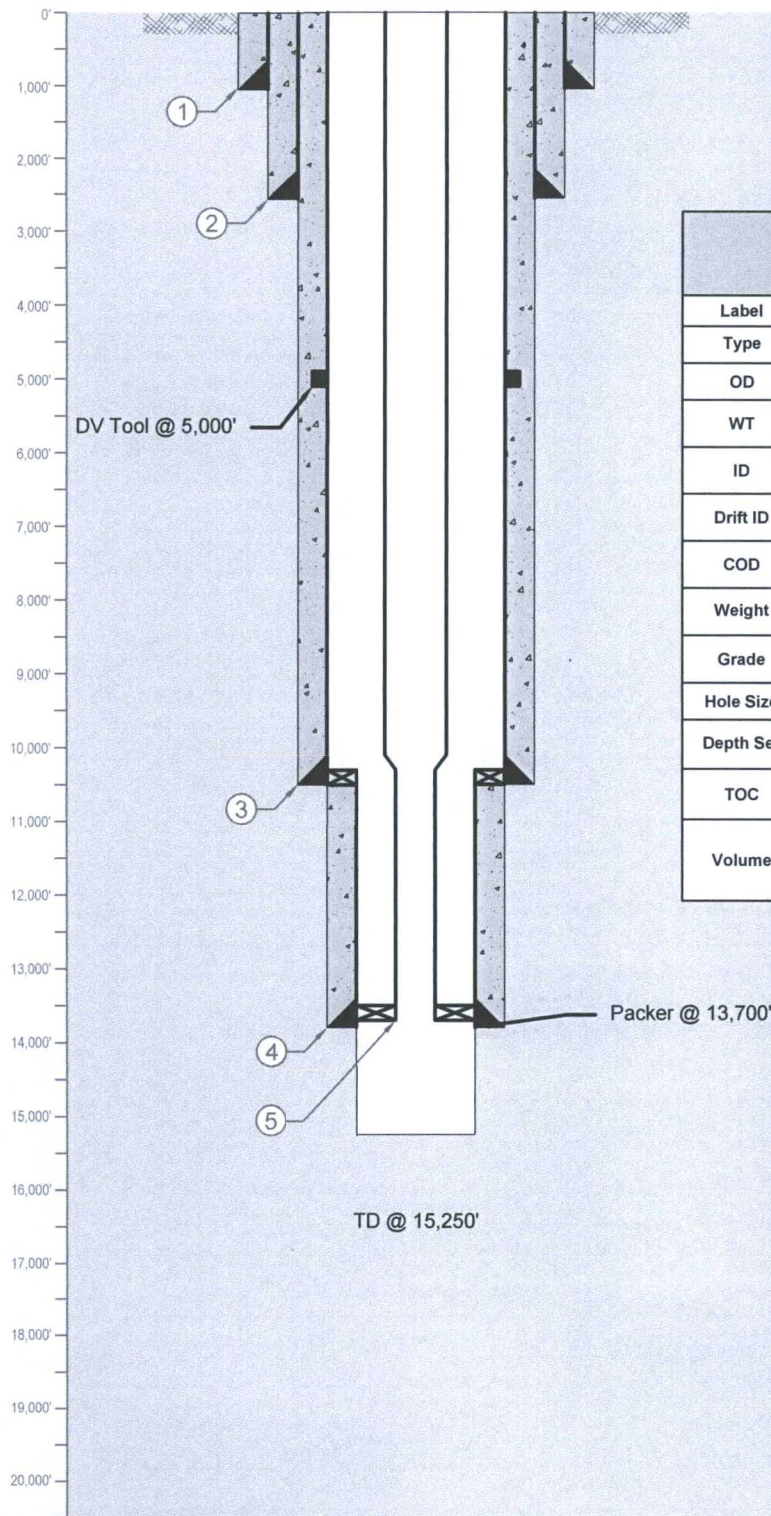
Morrow: 12,247'

Mississippian: 13,325'

Woodford: 13,687'

Devonian: 13,805'

KB:	NA
BHF:	NA
GL:	NA
Spud:	NA



Casing/Tubing Information

Label	1	2	3	4
Type	Surface	Intermediate	Production	Liner
OD	20"	13-3/8"	9-5/8"	7"
WT	0.635"	0.480"	0.545"	0.498"
ID	18.730"	12.415"	8.535"	6.004"
Drift ID	18.542"	12.259"	8.379"	5.879"
COD	21.000"	14.375"	10.625"	7.656"
Weight	133 lb/ft	68 lb/ft	53.5 lb/ft	35 lb/ft
Grade	J-55 BTC	J-55 BTC	HCP-110 LTC	P-110 LTC
Hole Size	24"	17-1/2"	12-1/4"	8-1/2"
Depth Set	1,050'	2,550'	10,500'	10,300' - 13,800'
TOC	Surface (circulation)	Surface (circulation)	Surface (circulation)	10,300'
Volume	Lead: 1,100 sx Tail: 400 sx	Lead: 1,200 sx Tail: 300 sx	Stage 1 Lead: 1,500 sx Stage 1 Tail: 100 sx Stage 2 Lead: 700 sx Stage 2 Tail: 100 sx	400 sx

Tubing Information

Label	5	5
Type	Tubing	Tubing
OD	5"	4-1/2"
WT	0.362"	0.290"
ID	4.276"	3.920"
Drift ID	4.151"	3.795"
COD	5.563"	5.000"
Weight	18 lb/ft	13.5 lb/ft
Grade	L-80 BTC	L-80 BTC
Hole Size	8.535"	6.004"
Depth Set	0' - 10,300'	10,300' - 13,700'

LONQUIST

FIELD SERVICE

AUSTIN WICHITA
HOUSTON CALGARY

Texas License F-9147

3345 Bee Cave Road, Suite 201
Austin, Texas 78746
Tel: 512.732.9812
Fax: 512.732.9816

OWL SWD Operating, LLC

Country: USA

Location:

API No:

State ID No:

Drawn: WHG

Rev No: 1

Goodbye Toby SWD No. 1 - Proposed

State/Province: New Mexico

Site:

Field:

Project No: 1459

Reviewed: SLP

Notes: Wellbore design supplied by OWL

County/Parish: Eddy

Survey/STR: Sect 17, T-24S, R-28E

Well Type/Status: SWD

Date: 8/10/17

Approved: SLP

OWL SWD Operating, LLC.

Goodbye Toby SWD No. 1

FORM C-108 Supplemental Information

III. Well Data

A. Wellbore Information

1.

Well information	
Lease Name	Goodbye Toby SWD
Well No.	1
Location	S-18 T-24S R-28E
Footage Location	425' FSL & 949' FWL

2.

a. Wellbore Description

Casing Information				
Type	Surface	Intermediate	Production	Liner
OD	20"	13.375"	9.625"	7"
WT	0.635"	0.480"	0.545"	0.498"
ID	18.730"	12.415"	8.535"	6.004"
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COD	21.000"	14.375"	10.625"	7.656"
Weight	133 lb/ft	68 lb/ft	53.5 lb/ft	35 lb/ft
Grade	J-55	J-55	HCP-110	P-110
Hole Size	24"	17.5"	12.25"	8.5"
Depth Set	1,050'	2,550'	10,500'	10,300' – 13,800'

b. Cementing Program

Cement Information				
Casing String	Surface	1 st Intermediate	2 nd Intermediate	Liner
Lead Cement	Cl C + 4% Gel + 5% Salt + 0.25 pps Celloflake	HLC + 5% Salt	Stage 1: HLC Stage 2: HLC	Class H
Lead Cement Volume	1,100 sks	1,200 sks	Stage 1: 1,500 sks Stage 2: 700 sks	400 sks
Tail Cement	Cl C + 2% CaCl + 0.25 pps Celloflake	Class C + 2% CaCl	Stage 1: Cl H Stage 2: Cl H	-
Tail Cement Volume	400 sks	300 sks	Stage 1: 100 sks Stage 2: 100 sks	-
TOC	Surface	Surface	Surface	10,300'
Method	Circulate to Surface	Circulate to Surface	Circulate to Surface	Calculated

C-B-L

3. Tubing Description

Tubing Information		
OD	5"	5"
WT	0.362"	0.362"
ID	4.276"	4.276"
Drift ID	4.151"	4.151"
COD	5.563"	5.000"
Weight	18 lb/ft	18 lb/ft
Grade	P-110, BTC	P-110 UFJ
Depth Set	0'-10,300'	10,300'-13,700'

see updated wellbore diagram

Tubing will be lined with Duoline.

4. Packer Description

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

B. Completion Information

1. Injection Formation: Silurian-Devonian
2. Gross Injection Interval: 13,800' – 15,250'

Completion Type: Open Hole

3. Drilled for injection.
4. See the attached wellbore schematic.
5. Oil and Gas Bearing Zones within area of well:

Formation	Depth
Delaware	2,427'
Bone Spring	5,962'
Wolfcamp	9,177'
Strawn	11,222'
Atoka	11,447'
Morrow	12,247'
Mississippian	13,325'
Woodford	13,687'

VI. Area of Review

No wells within the area of review penetrate the proposed injection zone.

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: 2,400 PSI (surface pressure)
Maximum Injection Pressure: 2,760 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 formation.
5. As mentioned above, a Delaware produced water sample analysis is attached.

VIII. Geological Data

The Devonian formation is a dolomitic ramp carbonate that occurs below the Woodford shale and above the Fusselman formation. Strata found in the Devonian formation near Jal are two major groups, the Wristen Buildups and the Thirtyone Deepwater Chert, with the Wristen being more abundant. The Wristen Groups is composed of mixed limestone and dolomites with mudstone to grainstone and boundstone textures. Porosity in the Wristen group is a result of both primary and secondary development. Present are moldic, vugular, karstic (including collapse breccia) features that allow for higher porosities and permeabilities. The Thirtyone Formation contains two end-member reservoir facies, skeletal packstones/grainstones and spiculitic chert, with most of the porosity and permeability found in the coarsely crystalline cherty dolomite. These particular characteristics allow for this formation to be a saltwater disposal horizon with great potential.

A. Injection Zone: Devonian Formation

Formation	Depth
Salado	856'
Delaware	2,427'
Cherry Canyon	3,255'
Brushy Canyon	5,161'
Bone Spring	5,962'
Wolfcamp	9,177'
Strawn	11,222'
Atoka	11,447'
Morrow	12,247'
Mississippian	13,325'
Woodford	13,687'
Devonian	13,805'

B. Underground Sources of Drinking Water

Water bearing formations found in this area are the Culebra, Magenta, Dewey Lake, Santa Rosa, and the Rustler formations. The EPA standard criteria for determining freshwater bearing formations included identifying clean rock containing less than 10,000 milligrams per liter of total dissolved solids. A study done by the USDOE was conducted in northern Eddy County for the Waste Isolation Pilot Plant with the parameters mentioned above. Surface Casing set below the bottom of the Rustler formation will sufficiently protect freshwater bearing formations.

There are no sources of drinking water underlying the injection interval.

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

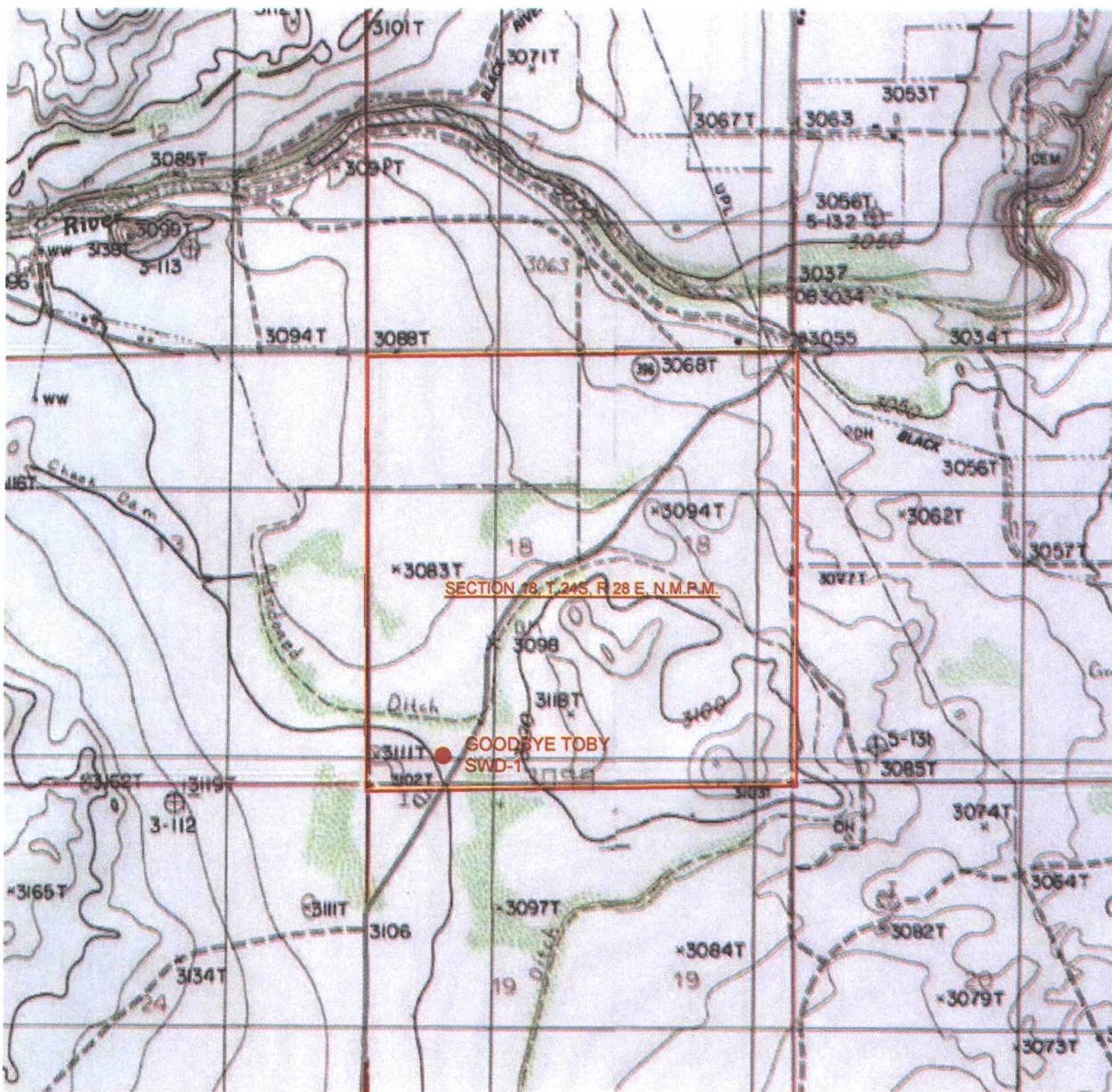
There are ten fresh water wells within one mile of the well location. After attempting to take samples, the wells were found to be abandoned. The Water Right Summaries from the New Mexico Office of the State Engineer are attached.

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.

Job No.: WTC51863
JAMES E. TOMPKINS 14729
Certificate Number

LOCATION VERIFICATION MAP



GRAPHIC SCALE 1" = 2000'

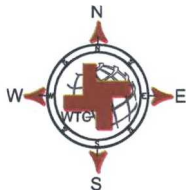
SECTION 18, T 24S, R 28 E, N.M.P.M.

COUNTY: EDDY STATE: NM

DESCRIPTION: 425' FSL & 949' FWL

OPERATOR: OILFIELD WATER LOGISTICS

WELL NAME: GOODBYE TOBY SWD-1



DRIVING DIRECTIONS:

Beginning at the intersection of US 285 (Pecos Hwy.) and State Hwy. 396 (Black River Village Rd.) in Malaga, NM, go West on State Hwy. 396 for approx. 2.7 miles. Turn left and head Southwest onto Roadrunner Road approx. 1.3 miles. The location flag is approx. 225 feet Northwest of the lease road.



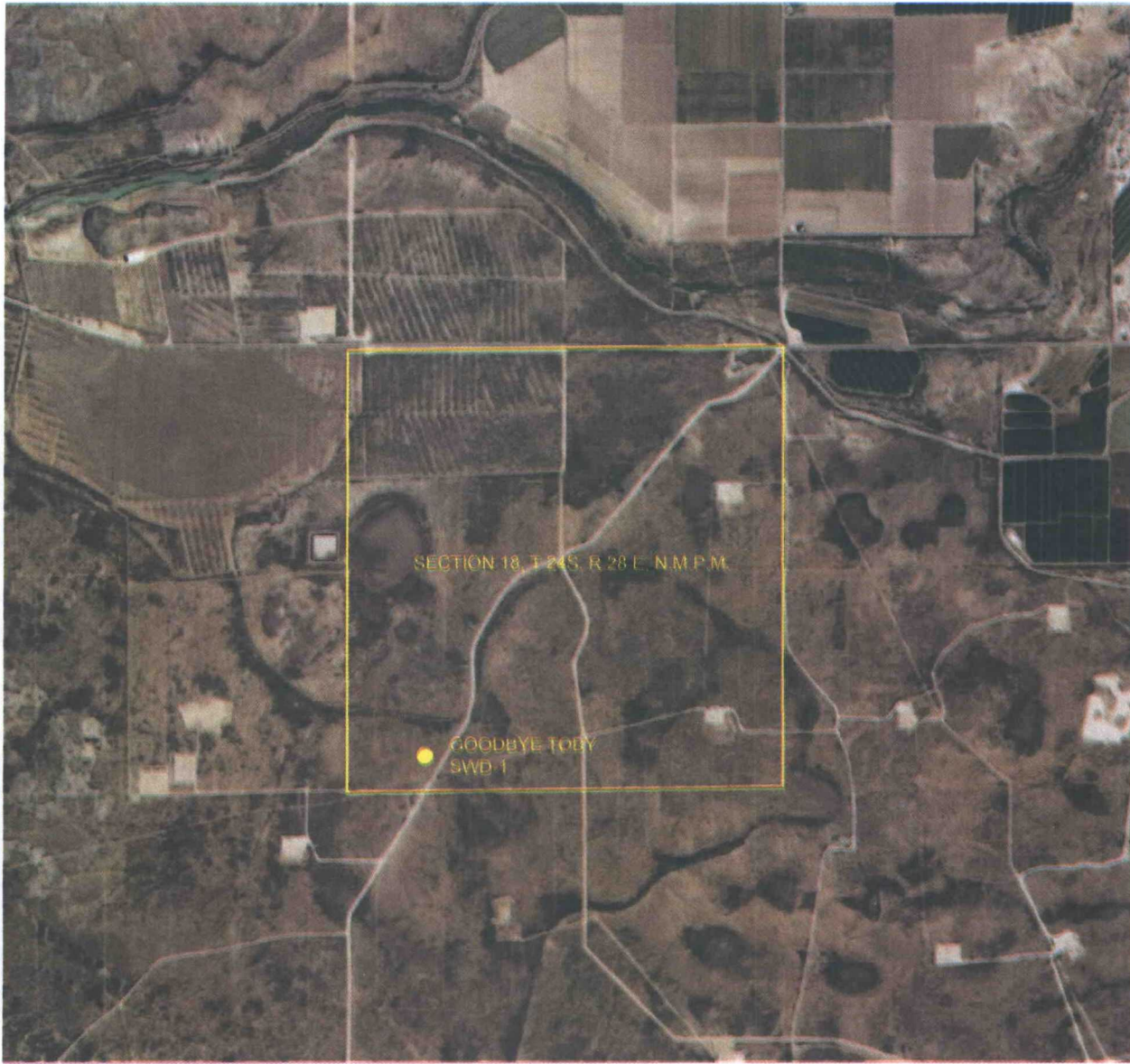
W T C, INC.

405 S.W. 1st Street
Andrews, TX 79714
(432) 523-2181



JOB No.: WTC51863

AERIAL MAP



0 1000 2000 4000

GRAPHIC SCALE 1" = 2000'

SECTION 18, T 24S, R 28 E, N.M.P.M.

COUNTY: EDDY STATE: NM

DESCRIPTION: 425' FSL & 949' FWL

OPERATOR: OILFIELD WATER LOGISTICS

WELL NAME: GOODBYE TOBY SWD-1



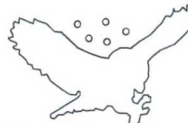
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W T C, INC.

405 S.W. 1st Street
Andrews, TX 79714
(432) 523-2181

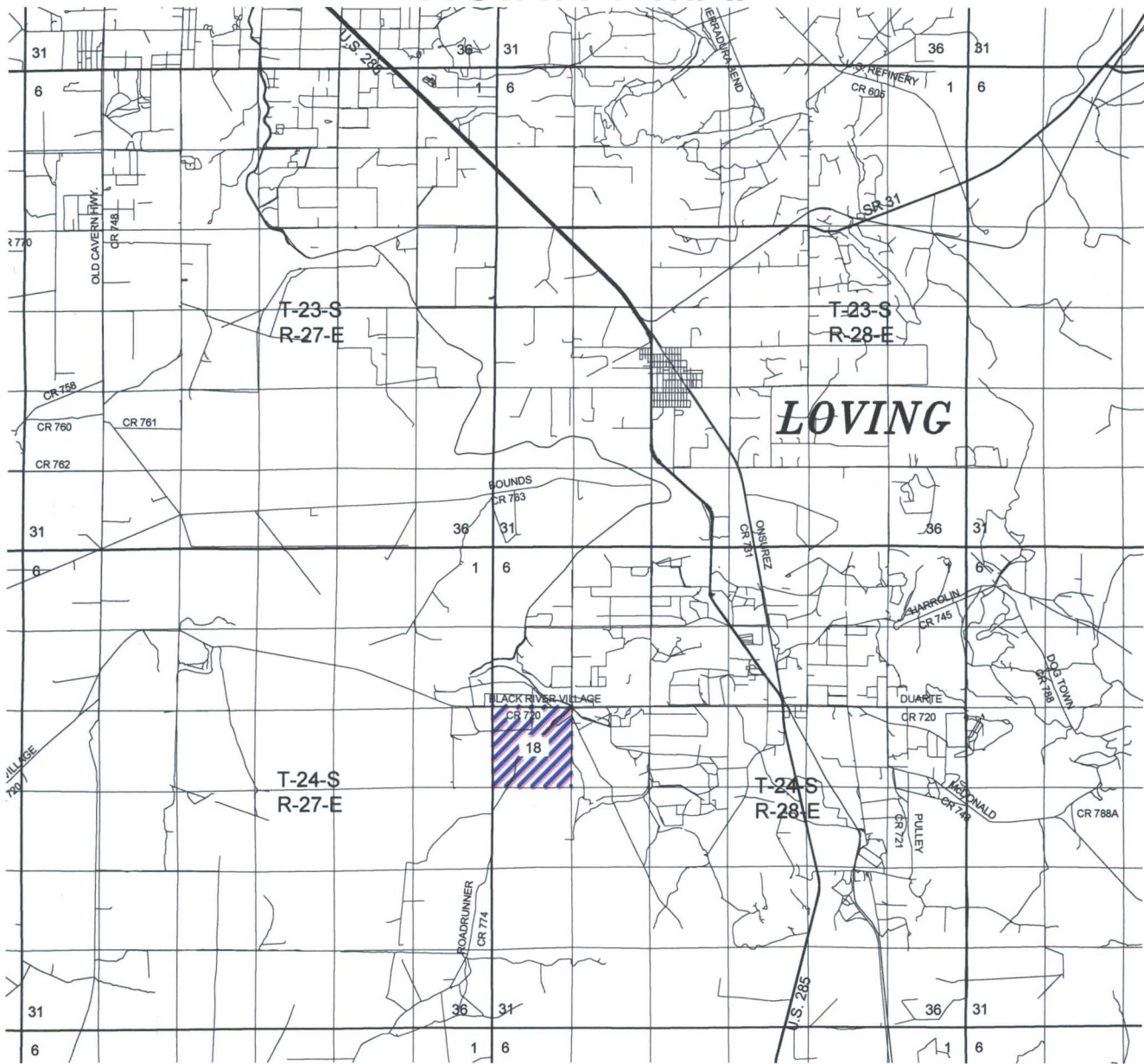


OILFIELD WATER LOGISTICS

JOB No.: WTC51863

[illegible]

VICINITY MAP



0 2 4 6
GRAPHIC SCALE 1" = 2 MILES

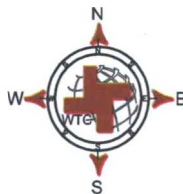
SECTION 18, T 24S, R 28 E, N.M.P.M.

COUNTY: EDDY STATE: NM

DESCRIPTION: 425' FSL & 949' FWL

OPERATOR: OILFIELD WATER LOGISTICS

WELL NAME: GOODBYE TOBY SWD-1



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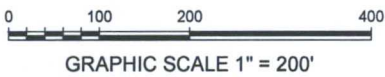
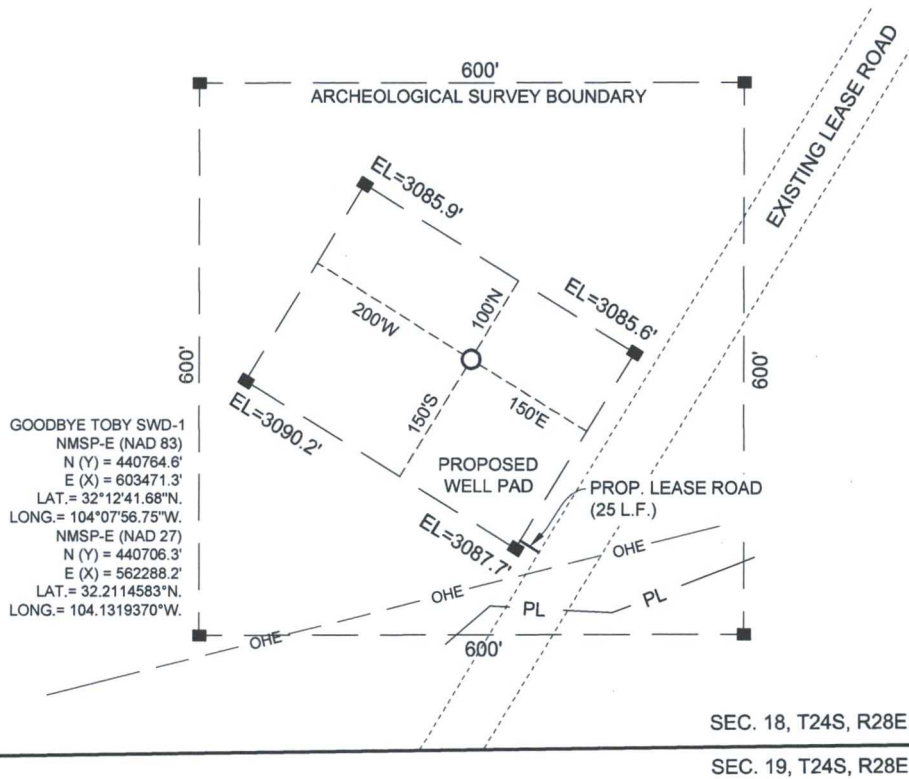
WTC, INC.
405 S.W. 1st Street
Andrews, TX 79714
(432) 523-2181



OILFIELD WATER LOGISTICS

JOB No.: WTC51863

SITE LOCATION



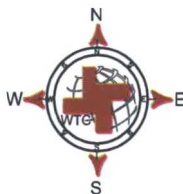
SECTION 18, T 24S, R 28 E, N.M.P.M.

COUNTY: EDDY STATE: NM

DESCRIPTION: 425' FSL & 949' FWL

OPERATOR: OILFIELD WATER LOGISTICS

WELL NAME: GOODBYE TOBY SWD-1



DRIVING DIRECTIONS:

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W T C, INC.
405 S.W. 1st Street
Andrews, TX 79714
(432) 523-2181



JOB No.: WTC51863

ROAD ROUTE MAP



A horizontal number line with tick marks at 0, 2500, 5000, and 10000.

GRAPHIC SCALE 1" = 5000'

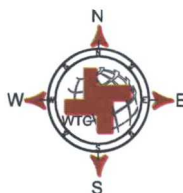
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DRIVING DIRECTIONS:

Beginning at the intersection of US 285 (Pecos Hwy.) and State Hwy. 396 (Black River Village Rd.) in Malaga, NM. go West on State Hwy. 396 for approx. 2.7 miles. Turn left and head Southwest onto Roadrunner Road approx. 1.3 miles. The location flag is approx. 225 feet Northwest of the lease road.

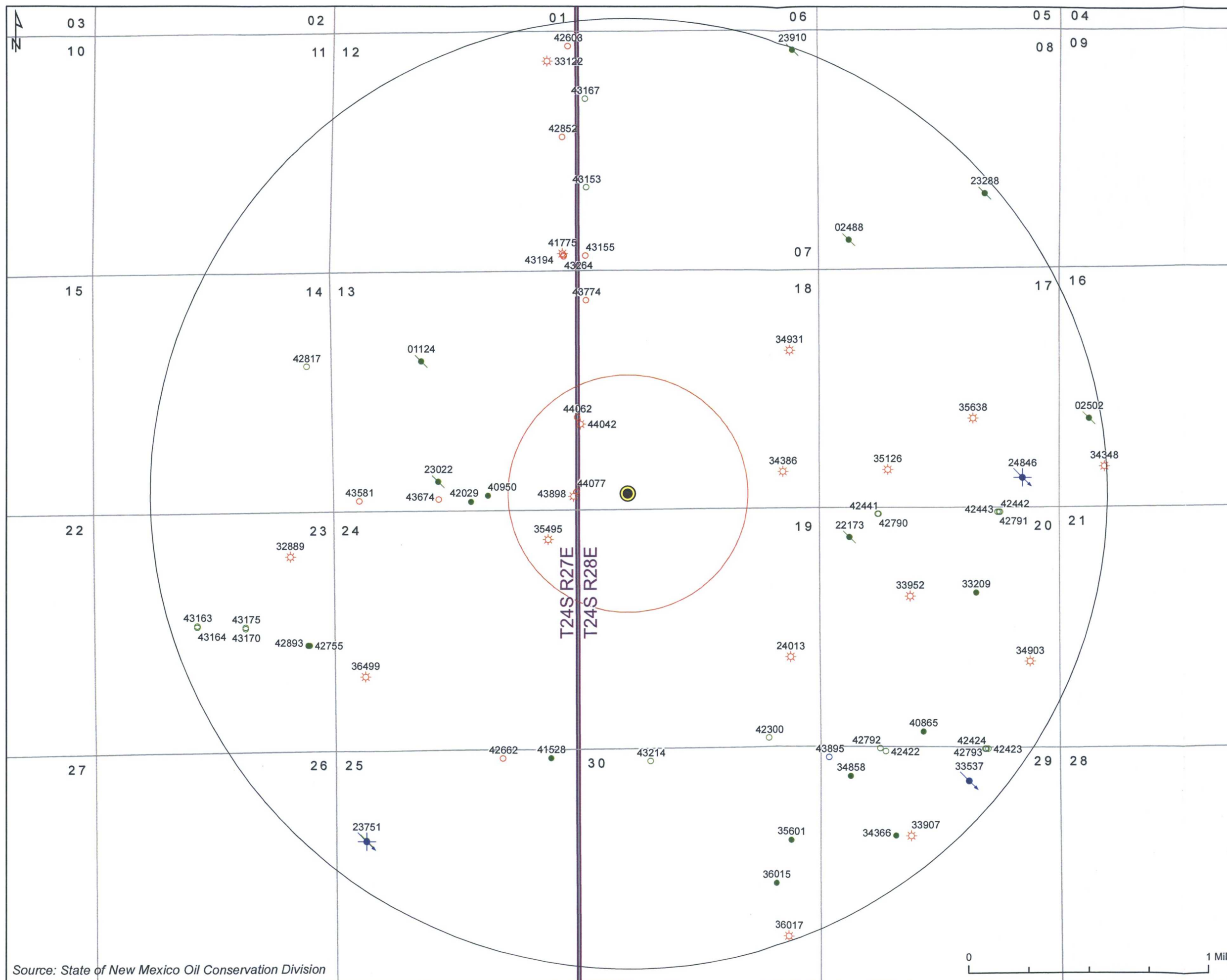


W T C, INC.

405 S.W. 1st Street
Andrews, TX 79714
(432) 523-2181



JOB No.: WTC51863



Source: State of New Mexico Oil Conservation Division

Goodbye Toby SWD #1 Offset Oil & Gas Wells

Eddy County, NM
OWL SWD Operating, LLC

Projection: NAD 1983 State Plane NM East FIPS 3001
Drawn by: SAH Date: 6/1/2017 Approved by: NLB

LONQUIST & CO. LLC
PETROLEUM ENGINEERS ENERGY ADVISORS
AUSTIN · HOUSTON · WICHITA · DENVER · CALGARY

- Goodbye Toby SWD #1
- ☼ Gas Well
- Permitted Gas Well
- Oil Well
- Permitted Oil Well
- Plugged Oil Well
- SWD Well
- Permitted SWD Well
- Plugged SWD Well
- 1/2 mile Radius
- 2 mile Radius
- Section Boundary
- Township Boundary

New Mexico Texas

Map Extent
(Eddy County, NM)

Mexico



27








Goodbye Toby SWD #1
1/2 mile Area of Review
Eddy County, NM
OWL SWD Operating, LLC

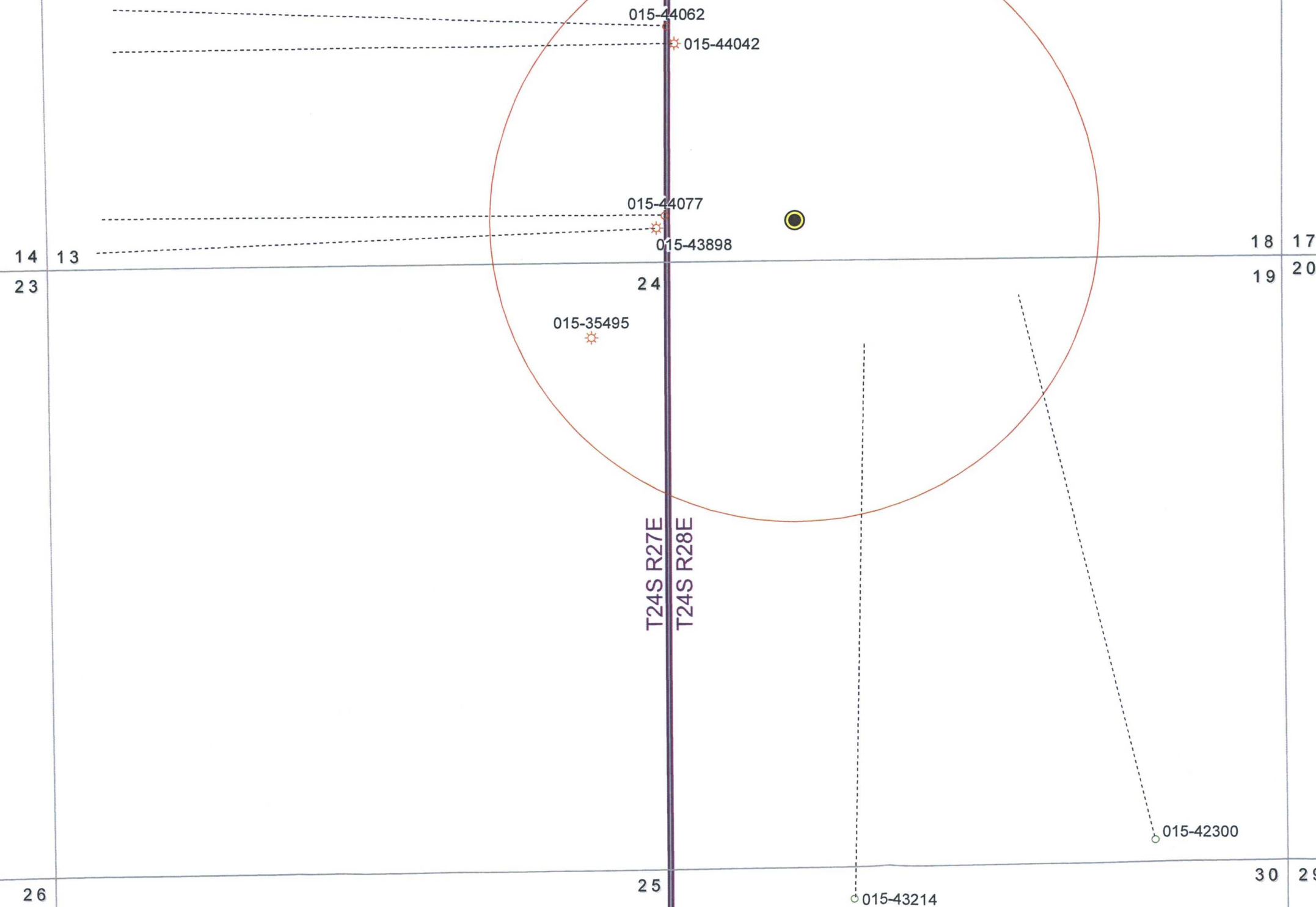
Projection: NAD 1983 State Plane NM East FIPS 3001
Drawn by: SAH Date: 6/1/2017 Approved by: NLB

LONQUIST & CO. LLC

PETROLEUM
ENGINEERS ENERGY
ADVISORS

AUSTIN · HOUSTON · WICHITA · DENVER · CALGARY

-  Goodbye Toby SWD #1
-  Gas Well
-  Permitted Gas Well
-  Permitted Oil Well
-  Lateral
-  1/2 mile Radius
-  Section Boundary

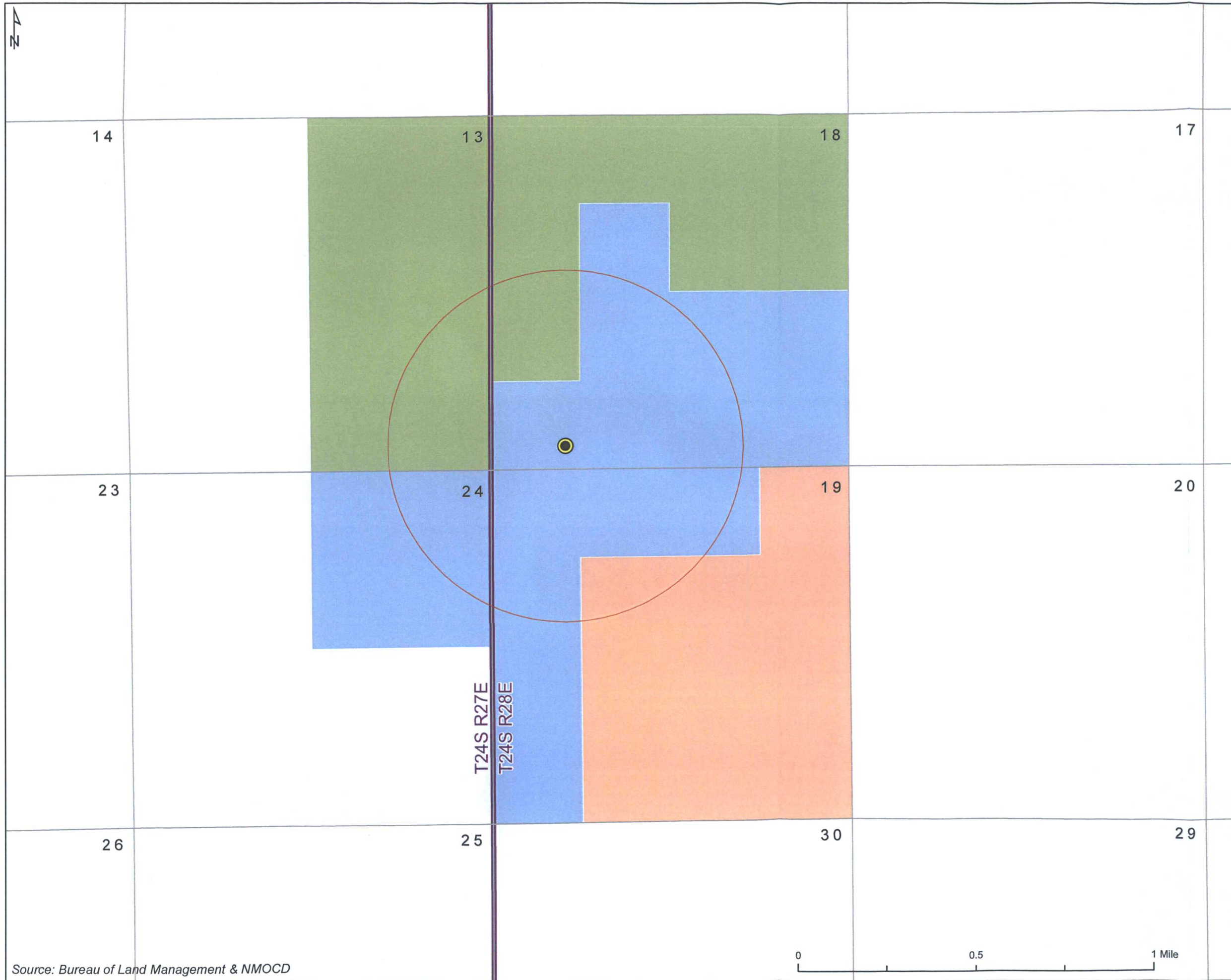


Source: Well Data - State of New Mexico Oil Conservation Division. Lateral - DrillingInfo

0 0.1 0.2 0.4 0.6 0.8 Miles

Half-Mile AOR
Goodbye Toby SWD #1

API (30-015-)	Well Name	Well Type	Status	Operator	TD (TVD)	Location	Date Drilled
35495	WOODY'S HOPE FEDERAL COM #001	Gas	Active	COG OPERATING LLC	13008	A-24-24S-27E	11/5/2007
42300	PARDUE 19 FEDERAL COM #002H	Oil	Permitted	COG OPERATING LLC	0	P-19-24S-28E	
43214	PARDUE 19 FEDERAL COM #004H	Oil	Permitted	COG OPERATING LLC	0	N-19-24S-28E	
43898	MAD RIVER 13 STATE COM #003H	Gas	Active	CAZA OPERATING, LLC	9,296	P-13-24S-27E	10/28/2016
44042	MAD RIVER 13 STATE COM #004H	Gas	Active	CAZA OPERATING, LLC	9,155	I-13-24S-27E	2/14/2017
44062	MAD RIVER 13 STATE COM #005H	Gas	Permitted	CAZA OPERATING, LLC	0	I-13-24S-27E	
44077	MAD RIVER 13 STATE COM #006H	Gas	Permitted	CAZA OPERATING, LLC	0	P-13-24S-27E	



**Goodbye Toby SWD #1
Offset Leases**
Eddy County, NM
OWL SWD Operating, LLC

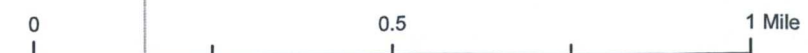
Projection: NAD 1983 State Plane NM East FIPS 3001
 Drawn by: SAH Date: 6/1/2017 Approved by: NLB

LONQUIST & CO. LLC

PETROLEUM ENGINEERS ENERGY ADVISORS

AUSTIN · HOUSTON · WICHITA · DENVER · CALGARY

- Goodbye Toby SWD #1
- 1/2 mile Radius
- Section Boundary
- Township Boundary
- Lessee**
- COG Operating LLC, Caza Operating LLC, & Matador Production Co.
- ConocoPhillips Co
- COG Operating LLC

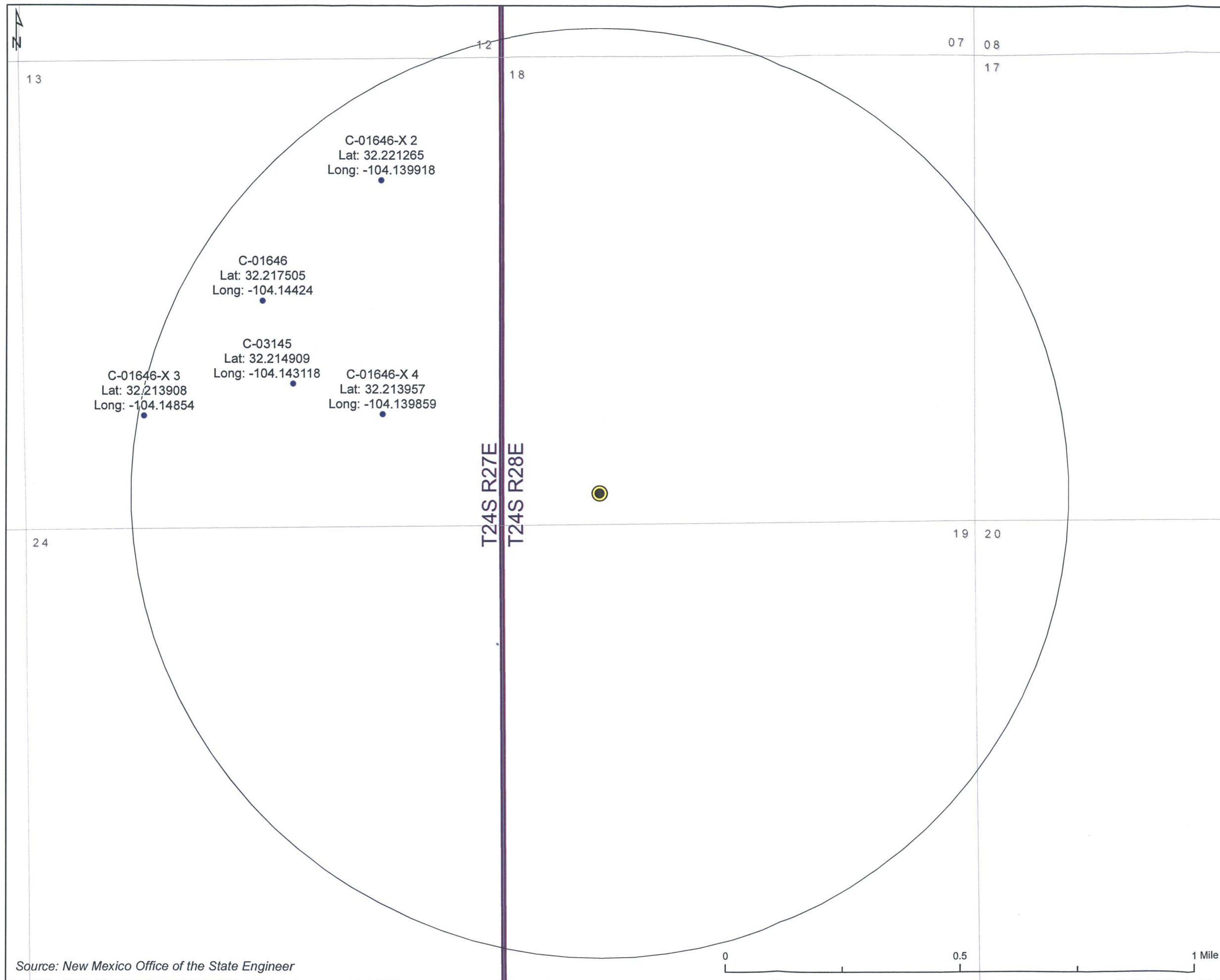


Goodbye Toby SWD No. 1 Notice List			
Notice	Address	Phone Number	Date Noticed
Oil Conservation Division District IV	1220 South St. Francis Drive, Santa Fe, NM 87505	(505) 476-3440	6/5/2017
Oil Conservation Division District II	811 S. First St., Artesia, NM 88210	(575) 748-1283	6/5/2017
Bureau of Land Management	620 E. Greene St., Carlsbad, NM 88220	(575) 234-5972	6/5/2017
COG Operating LLC	550 W Texas Ave, Suite 100, Midland, TX 79701		6/5/2017
ConocoPhillips Co.	PO Box 7500, Bartlesville, OK 74005		6/5/2017
Matador Production Company	5400 LBJ Freeway, Suite 1500, Dallas, TX 75240		6/5/2017
Caza Operating, LLC	200 N Loraine, Midland, TX 79701		6/5/2017

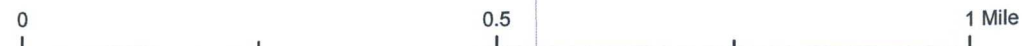
This legal notice will appear in the Carlsbad Current-Argus on Wednesday, June 7, 2017, and run in the paper for one day. The affidavit of publication will be forwarded to the New Mexico Oil Conservation Division upon receipt.

Legal Notice

OWL SWD Operating, LLC, 8214 Westchester Dr., Suite-850, Dallas, Texas 75255, is filing Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division for administrative approval for its salt water disposal well Goodbye Toby SWD No. 1. The proposed well will be located 425' FSL & 949' FWL in Section 18, Township 24S, Range 28E in Eddy County, New Mexico. Disposal water will be sourced from area production, and will be injected into the Siluro-Devonian Formation (determined by offset log analysis) through an open hole completion between a maximum applied for top of 13,800 feet to a maximum depth of 15,250 feet. The maximum surface injection pressure will not exceed 2,760 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.



Source: New Mexico Office of the State Engineer



Goodbye Toby SWD #1 Offset Water Wells Eddy County, NM OWL SWD Operating, LLC

Projection: NAD 1983 State Plane NM East FIPS 3001
 Drawn by: SAH Date: 6/1/2017 Approved by: NLB

LONQUIST & CO. LLC

PETROLEUM ENGINEERS ENERGY ADVISORS

AUSTIN · HOUSTON · WICHITA · DENVER · CALGARY

- Goodbye Toby SWD #1
- Water Well (Nad 83)
- 1 mile Radius
- Section Boundary
- Township Boundary



wellname	api	latitude	longitude	section	township	range	unit	ftgns	ftgew	county	state	field	formation	samplesource	tds_mgL	chloride_mgL	bicarbonate_mgL	sulfate_mgL
MALAGA UNIT #001	3001502494	32.2241287	-104.0375977	13	24S	28E	B	330N	1650E	EDDY	NM	MALAGA	DELAWARE	UNKNOWN	148288	91050	182	400



New Mexico Office of the State Engineer

Water Right Summary

WR File Number: C 00513 Subbasin: C Cross Reference:-
Primary Purpose: IRR IRRIGATION
Primary Status: LIC LICENSED
Total Acres: 473 Subfile: 24 28 21 A B C D
Total Diversion: 1422 Cause/Case: -
Owner: PARDUE LIMITED COMPANY
Contact: C. P. PARDUE

Documents on File

Trn #	Doc	File/Act	Status		Transaction Desc.	From/ To	Acres	Diversion	Consumptive
			1	2					
309248	72121	2004-07-14	EXP	EXP	T 00513-S (T-1)	T		3	
170029	ADM	1999-11-30	PMT	APR	CURRENT INFO	T	0	0	
159621	COWNF	1999-02-02	CHG	PRC	C 00513	T	0	0	
152466	72121	1995-09-01	PMT	APR	C-513 (D)	T		3	
152465	72121	1995-09-01	PMT	APR	C-513-S (D)	T		3	
152460	LIC	1972-08-25	LIC	PRC	C-513	T	473	1419	
152451	ENLRG	1971-12-14	PMT	PBU	C-513-ELGD	T	205.2	615.6	
152445	CPLA	1971-12-13	PMT	APR	C-513	T	0	0	
152445	CPLA	1971-12-13	PMT	APR	C-513	F	0	0	
163280	COWNF	1968-02-19	CHG	PRC	C-513	T	0	0	
152438	LIC	1957-09-30	LIC	PRC	C-513	T	267.8	803.4	
152420	SUPPL	1954-11-05	PMT	CRT	C-513-S	T	0	0	
152411	ALTD	1954-04-19	PMT	PBU	6 & C-513	T	389	1167	

Current Points of Diversion

POD Number	Source	Q Q Q Q				X	Y	Other Location Desc
		64	16	4	Sec Tws Rng			
C 00513	Shallow	2	2	2	20 24S 28E	584605	3564021	
C 00513 S	Shallow	1	3	3	16 24S 28E	584802	3564432	
SP 00006		4	1	3	12 21S 26E	570265	3595078	AVALON DAM GATE TO CID MAIN CA
SP 01927		4	12	24S 27E	581032	3566097*		BLACK RIVER

An () after northing value indicates UTM location was derived from PLSS - see Help

Place of Use

Q Q Q Q					Acres	Diversion	CU	Use	Priority	Status	Other Location Desc
256	64	16	4	Sec Tws Rng							
1	1	21	24S 28E		34.8	104.4		IRR	10/26/1953	LIC	
1	1	22	24S 28E		19.6	58.8		IRR	09/21/1970	LIC	
1	2	21	24S 28E		24.6	73.8		IRR	10/26/1953	LIC	

24 28 21 A B C D

Place of Use

[illegible]

Source

Acres	Diversion	CU	Use	Priority	Source	Description
267.8	803.4		IRR	10/26/1953	GW	
205.2	615.6		IRR		GW	
267.8	803.4		IRR	10/26/1953	GW	
205.2	615.6		IRR	09/21/1970	GW	

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 Right Summary

WR File Number: C 00513 Subbasin: C Cross Reference:-
Primary Purpose: IRR IRRIGATION
Primary Status: LIC LICENSED
Total Acres: 473 Subfile: 24 28 21 A B C D
Total Diversion: 1422 Cause/Case: -
Owner: PARDUE LIMITED COMPANY
Contact: C. P. PARDUE

Documents on File

Trn #	Doc	File/Act	Status		Transaction Desc.	From/ To	Acres	Diversion	Consumptive
			1	2					
309248	72121	2004-07-14	EXP	EXP	T 00513-S (T-1)	T		3	
170029	ADM	1999-11-30	PMT	APR	CURRENT INFO	T	0	0	
159621	COWNF	1999-02-02	CHG	PRC	C 00513	T	0	0	
152466	72121	1995-09-01	PMT	APR	C-513 (D)	T		3	
152465	72121	1995-09-01	PMT	APR	C-513-S (D)	T		3	
152460	LIC	1972-08-25	LIC	PRC	C-513	T	473	1419	
152451	ENLRG	1971-12-14	PMT	PBU	C-513-ELGD	T	205.2	615.6	
152445	CPLA	1971-12-13	PMT	APR	C-513	T	0	0	
152445	CPLA	1971-12-13	PMT	APR	C-513	F	0	0	
163280	COWNF	1968-02-19	CHG	PRC	C-513	T	0	0	
152438	LIC	1957-09-30	LIC	PRC	C-513	T	267.8	803.4	
152420	SUPPL	1954-11-05	PMT	CRT	C-513-S	T	0	0	
152411	ALTD	1954-04-19	PMT	PBU	6 & C-513	T	389	1167	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Source	Q Q Q Q				X	Y	Other Location Desc
		64	16	4	Sec Tws Rng			
C 00513	Shallow	2	2	20	24S 28E	584605	3564021	
C 00513 S	Shallow	1	3	3	16 24S 28E	584802	3564432	
SP 00006		4	1	3	12 21S 26E	570265	3595078	AVALON DAM GATE
SP 01927		4	12	24S 27E	581032	3566097*		TO CID MAIN CA BLACK RIVER

An () after northing value indicates UTM location was derived from PLSS - see Help

Place of Use

Q Q Q Q					Acres	Diversion	CU	Use	Priority	Status	Other Location Desc
256	64	16	4	Sec Tws Rng							
1	1	21	24S 28E		34.8	104.4		IRR	10/26/1953	LIC	
1	1	22	24S 28E		19.6	58.8		IRR	09/21/1970	LIC	
1	2	21	24S 28E		24.6	73.8		IRR	10/26/1953	LIC	

Place of Use

Q	Q	Q	Q	Q	Sec	Tws	Rng	Acres	Diversion	CU	Use	Priority	Status	Other	Location	Desc
256	64	16	4	4												
			1	3	16	24S	28E	38.2	114.6		IRR	10/26/1953	LIC			
			1	4	16	24S	28E	28.4	85.2		IRR	10/26/1953	LIC			
			2	1	21	24S	28E	26.2	78.6		IRR	10/26/1953	LIC			
			2	1	21	24S	28E	0.8	2.4		IRR	09/21/1970	LIC			
			2	2	20	24S	28E	0.9	2.7		IRR	09/21/1970	LIC			
			2	2	21	24S	28E	3.5	10.5		IRR	10/26/1953	LIC			
			2	2	21	24S	28E	24.2	72.6		IRR	09/21/1970	LIC			
			2	3	16	24S	28E	39.6	118.8		IRR	10/26/1953	LIC			
			2	4	16	24S	28E	12.6	37.8		IRR	10/26/1953	LIC			
			2	4	16	24S	28E	9.2	27.6		IRR	09/21/1970	LIC			
			3	1	16	24S	28E	21.5	64.5		IRR	10/26/1953	LIC			
			3	1	21	24S	28E	13.6	40.8		IRR	09/21/1970	LIC			
			3	2	16	24S	28E	18.8	56.4		IRR	10/26/1953	LIC			
			3	2	21	24S	28E	9	27		IRR	09/21/1970	LIC			
			3	3	16	24S	28E	29.6	88.8		IRR	09/21/1970	LIC			
			3	4	16	24S	28E	36.1	108.3		IRR	09/21/1970	LIC			
			4	1	16	24S	28E	19.6	58.8		IRR	10/26/1953	LIC			
			4	1	21	24S	28E	19.8	59.4		IRR	09/21/1970	LIC			
			4	2	21	24S	28E	0.9	2.7		IRR	09/21/1970	LIC			
			4	3	16	24S	28E	37.8	113.4		IRR	09/21/1970	LIC			
			4	4	16	24S	28E	3.7	11.1		IRR	09/21/1970	LIC			

Source

Acres	Diversion	CU	Use	Priority	Source	Description
267.8	803.4	IRR	10/26/1953	GW		
205.2	615.6	IRR		GW		
267.8	803.4	IRR	10/26/1953	GW		
205.2	615.6	IRR	09/21/1970	GW		

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New Mexico Office of the State Engineer Water Right Summary



WR File Number: C 01963 **Subbasin:** C **Cross Reference:-**
Primary Purpose: DOL 72-12-1 DOMESTIC AND LIVESTOCK WATERING
Primary Status: EXP EXPIRED
Total Acres: **Subfile:** -
Total Diversion: 0 **Cause/Case:** -
Owner: WILLA L MCPHEARSON

Documents on File

Trn #	Doc	File/Act	Status		Transaction Desc.	From/ To	Acres	Diversion	Consumptive
			1	2					
 464960	72121	1981-05-19	EXP	EXP	C 01963	T		3	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Source	Q	Q	Q	Sec	Tws	Rng	X	Y	Other Location Desc
C 01963		4	4	07	24S	28E		582877	3565921*	

An () after northing value indicates UTM location was derived from PLSS - see Help



New Mexico Office of the State Engineer Water Right Summary

WR File Number: C 00365 Subbasin: CUB Cross Reference:-
Primary Purpose: IRR IRRIGATION
Primary Status: LIC LICENSED
Total Acres: 61.9 Subfile: 24 28 17 A B
Total Diversion: 185.7 Cause/Case: -
Owner: CARLETON JOE O
Owner: CRAFT JAMES R

Documents on File

Trn #	Doc	File/Act	Status		Transaction Desc.	From/ To	Acres	Diversion	Consumptive
			1	2					
152192	LIC	1959-03-20	LIC	PRC	C 00365	T	61.9	185.7	
152186	CLW	1957-02-04	PMT	APR	C 00365-CLW	T	247	494	
152186	CLW	1957-02-04	PMT	APR	C 00365-CLW	F	247	741	
152178	SUPPL	1956-02-21	CAN	FIN	C 00365-S	T	247	741	
152170	ALTD	1952-11-14	PMT	PBU	C 00365 & SP-6	T	247	741	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Source	Q	Q	Q	Q	Sec	Tws	Rng	X	Y	Other Location Desc
C 00365	Shallow	2	4	1	17	24S	28E		583791	3565226*	
C 00365 S		3	3	08	24S	28E			583283	3565926*	
SP 01927		4	12	24S	27E				581032	3566097*	BLACK RIVER

An () after northing value indicates UTM location was derived from PLSS - see Help

Place of Use

Q	Q	Q	Q	Q	Sec	Tws	Rng	Acres	Diversion	CU	Use	Priority	Status	Other Location Desc
256	64	16	4		1	2	17	24S	28E	30.6	91.8	IRR 09/24/1952	LIC	
					3	2	17	24S	28E	31.3	93.9	IRR 09/24/1952	LIC	

Source

Acres	Diversion	CU	Use	Priority	Source Description
61.9	185.7	IRR	09/24/1952		GW
247	741	IRR			GW

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New Mexico Office of the State Engineer Water Right Summary



[get image list](#)

WR File Number: SD 01886 Subbasin: - Cross Reference: -
Primary Purpose: IRR IRRIGATION
Primary Status: ADJ ADJUDICATED
Total Acres: 40 Subfile: CAUSE NO. 23395
Total Diversion: 100 Cause/Case: -
Owner: CATHERINE GUITAR WOODS

Documents on File

Trn #	Doc	File/Act	Status		Transaction Desc.	From/ To	Acres	Diversion	Consumptive
			1	2					
get images 152111	ORDER	1967-12-08	ADJ	PRC	SD 01886	T	40	100	
get images 152107	DCL	1965-09-20	DCL	PRC	SD 01886	T	40	100	

Current Points of Diversion

POD Number	Source	Q Q Q			Sec	Tws	Rng	X	Y	Other Location Desc
		64	16	4						
SD 01886		4	4	07	24S	28E		582877	3565921*	
SP 01927		4	12	24S	27E			581032	3566097*	BLACK RIVER

An () after northing value indicates UTM location was derived from PLSS - see Help

Place of Use

Q Q Q Q				Sec	Tws	Rng	Acres	Diversion	CU	Use	Priority	Status	Other Location Desc
256	64	16	4										
1	1	4	09	24S	28E		8.1	20.25		IRR	06/22/1885	ADJ	
2	2	3	09	24S	28E		7.6	19		IRR	06/22/1885	ADJ	
3	1	4	09	24S	28E		8.3	20.75		IRR	06/22/1885	ADJ	
3	4	1	09	24S	28E		8.2	20.5		IRR	06/22/1885	ADJ	
4	4	1	09	24S	28E		7.8	19.5		IRR	06/22/1885	ADJ	

Source

Acres	Diversion	CU	Use	Priority	Source Description
40	100		IRR	06/22/1885	SW

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New Mexico Office of the State Engineer Water Right Summary



[get image list](#)

WR File Number: C 00648 Subbasin: C Cross Reference: -
Primary Purpose: DOM 72-12-1 DOMESTIC ONE HOUSEHOLD
Primary Status: PMT PERMIT
Total Acres: Subfile: -
Total Diversion: 3 Cause/Case: -
Owner: T. J. CARLETON

Documents on File

Trn #	Doc	File/Act	Status		Transaction Desc.	From/ To	Acres	Diversion	Consumptive
			1	2					
 get images	197088	72121	1955-04-25	PMT	LOG C 00648	T		3	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Source	Q	Q	Q	64	16	4	Sec	Tws	Rng	X	Y	Other Location Desc
C 00648	Shallow	2	2	2	17	24S	28E				584593	3565644*	

An () after northing value indicates UTM 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 Right Summary

WR File Number: C 00365 Subbasin: CUB Cross Reference:-
Primary Purpose: IRR IRRIGATION
Primary Status: LIC LICENSED
Total Acres: 61.9 Subfile: 24 28 17 A B
Total Diversion: 185.7 Cause/Case: -
Owner: CARLETON JOE O
Owner: CRAFT JAMES R

Documents on File

Trn #	Doc	File/Act	Status		Transaction Desc.	From/	Acres	Diversion	Consumptive
			1	2		To			
152192	LIC	1959-03-20	LIC	PRC	C 00365	T	61.9	185.7	
152186	CLW	1957-02-04	PMT	APR	C 00365-CLW	T	247	494	
152186	CLW	1957-02-04	PMT	APR	C 00365-CLW	F	247	741	
152178	SUPPL	1956-02-21	CAN	FIN	C 00365-S	T	247	741	
152170	ALTD	1952-11-14	PMT	PBU	C 00365 & SP-6	T	247	741	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Source	Q	Q	Q	Q	Sec	Tws	Rng	X	Y	Other Location Desc
C 00365	Shallow	2	4	1	17	24S	28E		583791	3565226*	
C 00365 S		3	3	08	24S	28E			583283	3565926*	
SP 01927		4	12	24S	27E				581032	3566097*	BLACK RIVER

An () after northing value indicates UTM location was derived from PLSS - see Help

Place of Use

Q	Q	Q	Q	Q	Sec	Tws	Rng	Acres	Diversion	CU	Use	Priority	Status	Other Location Desc
256	64	16	4											
	1	2	17	24S	28E			30.6	91.8		IRR	09/24/1952	LIC	
	3	2	17	24S	28E			31.3	93.9		IRR	09/24/1952	LIC	

Source

Acres	Diversion	CU	Use	Priority	Source Description
61.9	185.7		IRR	09/24/1952	GW
247	741		IRR		GW

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 Right Summary



WR File Number: C 00575 Subbasin: C Cross Reference:-
Primary Purpose: IRR IRRIGATION
Primary Status: CAN CANCELLED
Total Acres: Subfile: -
Total Diversion: 0 Cause/Case: -
Owner: J.R. DUARTE

Documents on File

Trn #	Doc	File/Act	Status		Transaction Desc.	From/ To	Acres	Diversion	Consumptive
			1	2					
465329	ALTD	1954-09-10	CAN	FIN	C-575 & SP-6	T	50	150	

Current Points of Diversion

POD Number	Source	Q Q Q			(NAD83 UTM in meters)		Other Location Desc
		64	16	4	X	Y	
C 00575		4	4	08 24S 28E	584491	3565951*	S 1/2
SP 00006		4	1	3 12 21S 26E	570265	3595078	AVALON DAM GATE TO CID MAIN CA

An () after northing value indicates UTM location was derived from PLSS - see Help

Priority Summary

Priority	Status	Acres	Diversion	Pod Number	Source
07/22/1954	CAN	0	0	C 00575 SP 00006	

Place of Use

Q Q Q Q				Sec	Tws	Rng	Acres	Diversion	CU	Use	Priority	Status	Other Location Desc
256	64	16	4										
	2	4	08	24S	28E		0	0		IRR	07/22/1954	CAN	
	4	4	08	24S	28E		0	0		IRR	07/22/1954	CAN	
	4	4	08	24S	28E		0	0		IRR	07/22/1954	CAN	
	4	2	4	08	24S	28E	0	0		IRR	07/22/1954	CAN	

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 Right Summary



[get image list](#)

WR File Number: C 00709 Subbasin: C Cross Reference: -
Primary Purpose: DOL 72-12-1 DOMESTIC AND LIVESTOCK WATERING
Primary Status: PMT PERMIT
Total Acres: Subfile: -
Total Diversion: 3 Cause/Case: -
Owner: C.P. PARDUE & SONS

Documents on File

Trn #	Doc	File/Act	Status		Transaction Desc.	From/ To	Acres	Diversion	Consumptive
			1	2					
 get images	462662	72121	1956-05-25	PMT LOG	C 00709	T		3	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Source	Q	Q	Q	Sec	Tws	Rng	X	Y	Other Location Desc
C 00709	Shallow	3	3	3	16	24S	28E	584802	3564232*	

An () after northing value indicates UTM 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 Right Summary



WR File Number: C 00361

Subbasin: C

Cross Reference: -

Primary Purpose: CLS CLOSED FILE

Primary Status: CLS CLOSED FILE

Total Acres:

Subfile: -

Total Diversion: 0

Cause/Case: -

Owner: C.D. DONAHO

Documents on File

Trn #	Doc	File/Act	Status		Transaction Desc.	From/ To	Acres	Diversion	Consumptive
			1	2					
 465074	CLOSE	1956-09-14	CLS	CLS	RENUM O-2-E-31	T	0	0	0

Place of Use

Q	Q	Q	Q	Sec	Tws	Rng	Acres	Diversion	CU	Use	Priority	Status	Other Location Desc
256	64	16	4										
							0	0	0	CLS		CLS	OIL WELL - NO PLACE OF USE

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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT


APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NMNM-018613A
1b. Type of Well: <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
1c. Type of Completion: <input type="checkbox"/> Hydraulic Fracturing <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		7. If Unit or CA Agreement, Name and No.
2. Name of Operator OWL SWD Operating, LLC		8. Lease Name and Well No. Goodbye Toby SWD No. 1
3a. Address 8214 Westchester Drive, Ste 850, Dallas, TX 75255		9. API Well No. TBD
3b. Phone No. (include area code) 855-695-7937		10. Field and Pool, or Exploratory Silurian-Devonian
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface 425 feet from South line and 949 feet from West line At proposed prod. zone Vertical well		11. Sec., T. R. M. or Blk. and Survey or Area Sec. 18, T-24S, R-28E
14. Distance in miles and direction from nearest town or post office* 3.8		12. County or Parish Eddy County
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 425 feet		13. State NM
16. No of acres in lease 760.240		17. Spacing Unit dedicated to this well
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. N/A		20. BLM/BIA Bond No. in file
19. Proposed Depth 15,250'		23. Estimated duration 60 days
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3,087' MSL		22. Approximate date work will start* As soon as the application is approved
24. Attachments		

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable)

- | | |
|--|---|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be requested by the BLM. |

25. Signature 	Name (Printed/Typed) Stephen Pattee, P.G.	Date 06/05/17
Title		
Approved by (Signature)		
Name (Printed/Typed)		Date
Title		Office

Application approval 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.

Conditions of approval, if any, are attached.

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

GENERAL: This form is designed for submitting proposals to perform certain well operations, as indicated on Federal and Indian lands and leases for action by appropriate Federal agencies, pursuant to applicable Federal laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from local Federal offices.

ITEM 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable Federal regulations concerning subsequent work proposals or reports on the well.

ITEM 4: Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal offices for specific instructions.

ITEM 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on the reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal agency offices.

ITEMS 15 AND 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective productive zone.

ITEM 22: Consult applicable Federal regulations, or appropriate officials, concerning approval of the proposal before operations are started.

ITEM 24: If the proposal will involve hydraulic fracturing operations, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The Privacy Act of 1974 and regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 25 U.S.C. 396; 43 CFR 3160

PRINCIPAL PURPOSES: The information will be used to: (1) process and evaluate your application for a permit to drill a new oil, gas, or service well or to reenter a plugged and abandoned well; and (2) document, for administrative use, information for the management, disposal and use of National Resource Lands and resources including (a) analyzing your proposal to discover and extract the Federal or Indian resources encountered; (b) reviewing procedures and equipment and the projected impact on the land involved; and (c) evaluating the effects of the proposed operation on the surface and subsurface water and other environmental impacts.

ROUTINE USE: Information from the record and/or the record will be transferred to appropriate Federal, State, and local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecution, in connection with congressional inquiries and for regulatory responsibilities.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this application and disclosure of the information is mandatory only if you elect to initiate a drilling or reentry operation on an oil and gas lease.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM connects this information to an evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases. This information will be used to analyze and approve applications. Response to this request is mandatory only if the operator elects to initiate drilling or reentry operations on an oil and gas lease. The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Connection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.

wellname	api	latitude	longitude	section	township	range	unit	town	county	state	formation	sampledate	depth, mgt	impedance	resistivity ohm.cm	sodium, mgt	calcium, mgt	iron, mgt	magnesium, mgt	manganese, mgt	chloride, mgt	bicarbonate, mgt	sulfate, mgt	co2, mgt
DOC HOLIDAY 32 STATE COM #003	300541145	32.1804123	-104.220192	32	24S	130N	D	130W	EDDY	NMA	BONE SPRING ZND SAND	8/23/2014 0:00	6.7	19313.3	59944.7	8287.7	63.6	1065.9	1.03	120600	170.8	17	350	
PREACHER 19 FEDERAL #003H	300541887	32.1957703	-104.2276001	19	24S	130W	D	130W	EDDY	NMA	BONE SPRING ZND SAND	1/19/2015 0:00	6.5	177816.1	67996.2	3040.5	50	455.6	0	108940.6	130	34	470	
PREACHER 19 FEDERAL #003H	300541887	32.1957703	-104.2276001	19	24S	130W	D	130W	EDDY	NMA	BONE SPRING ZND SAND	10/24/2013 0:00	6.47	179419.6	60298.5	5557.4	49.5	455.6	0	108940.6	130	34	470	
JOSEY WALES 16 STATE COM #003H	300541090	32.1957703	-104.226798	16	24S	130W	D	130W	EDDY	NMA	BONE SPRING ZND SAND	10/22/2014 0:00	5.8	203717.6	70814.8	3255.7	51	483.4	0	123664.7	144	34	360	
JOSEY WALES 16 STATE COM #003H	300541090	32.1957703	-104.226798	16	24S	130W	D	130W	EDDY	NMA	BONE SPRING ZND SAND	4/6/2015 0:00	7.6	176588.8	56655.8	7257.2	41.9	919.6	0	109772	146	146	430	
DOC HOLIDAY 32 STATE COM #003	300541145	32.1804123	-104.220192	32	24S	130W	D	130W	EDDY	NMA	BONE SPRING ZND SAND	6/4/2015 0:00	7.3	197760.1	61580.1	68.7	1113.9	1.11	123849.8	146	146	430		
DOC HOLIDAY 32 STATE COM #003	300541145	32.1804123	-104.220192	32	24S	130W	D	130W	EDDY	NMA	BONE SPRING ZND SAND	6/4/2014 0:00	7.3	127081.6	43933.7	2003.8	31.4	394.2	0	77098	195.2	0	50	
PREACHER 19 FEDERAL #003H	300541887	32.1957703	-104.2276001	19	24S	130W	D	130W	EDDY	NMA	BONE SPRING ZND SAND	6/4/2014 0:00	7.4	312558	120501	1427.8	43.3	362.2	0	186000	201.4	3947	180	
DELAWARE	UNKNOWN									NMA	DELAWARE	3/7/2015 0:00	7	203210.2	65823.6	9280.1	59.4	1154	1.17	58570	95	187	350	
ST HAMILTON #001	300501131	32.2294791	-104.1977081	9	24S	130W	K	1780S	EDDY	NMA	DELAWARE	4/7/2015 0:00	6.5	108305	48387	35110.8	4480.2	28.5			192	2040	300	
R.S. STATE #001	300501132	32.1826591	-104.1865203	15	24S	130W	M	330S	EDDY	NMA	DELAWARE	4/7/2015 0:00	6.5	108305	48387	35110.8	4480.2	28.5			192	2040	300	
HABERNHO 17 FEDERAL COM #001H	300516108	32.2218475	-104.2062683	17	24S	130W	A	990N	EDDY	NMA	WOLF CAMP	4/7/2015 0:00	6.9	102136.2	30415.1	5311.5	40.2	643.2	0.61	65927.2	146	146	350	
SEBRANO 29 FEDERAL #001H	300533763	32.1898842	-104.2062149	29	24S	130W	H	1980N	EDDY	NMA	WOLF CAMP	4/7/2015 0:00	6.9	102136.2	30415.1	5311.5	40.2	643.2	1.47	62812.7	183	183	350	
SEBRANO 29 FEDERAL #001H	300533763	32.1898842	-104.2062149	29	24S	130W	H	1980N	EDDY	NMA	WOLF CAMP	1/12/2015 0:00	6.5	106994.9	28702.1	5341.9	46.2	619.5	1.46	63450.1	268	268	350	

Goodbye Tally SWD No. 1 - Offset Produced Water Analysis

McMillan, Michael, EMNRD

From: McMillan, Michael, EMNRD
Sent: Monday, June 12, 2017 4:07 PM
To: 'Steve Pattee'
Cc: Jones, William V, EMNRD; Goetze, Phillip, EMNRD
Subject: Goodbye Toby SWD Well No. 1

Steve:

Your application that was received on June 12, 2017 will not be placed into the administrative application review process.

The following information is required

- Administrative Application checklist (Use new form on website)
- Complete C-108 form with the relevant
- ½ mile AOR map
- 2 mile pool map
- Return receipt for surface owner
- Return receipt for operator of record, if no operator then lessor, if no lessor, then lessee
- Affidavit of publication.

Once the required information is received it will be placed into the administrative application review process.

Michael McMillan
1220 South St. Francis
Santa Fe, New Mexico
505-476-3448
Michael.mcmillan@state.nm.us

LONQUIST & CO. LLC

PETROLEUM
ENGINEERS

ENERGY
ADVISORS

AUSTIN • HOUSTON • WICHITA • DENVER • CALGARY

June 5, 2017

2017 JUN 12 P 12

New Mexico Energy, Minerals, and Natural Resources Department
Oil Conservation Division District IV
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
(505) 476-3440

RE: GOODBYE TOBY SWD NO. 1 AUTHORIZATION TO INJECT

To Whom It May Concern:

Attached for your review is Form C-108, Application for Authorization to Inject, and its supplemental documents prepared for OWL SWD Operating, LLC's Goodbye Toby SWD No. 1. In addition, Forms C-101 and C-102 have also been included with this package. Notices have been sent to offset leaseholders and the surface owner. Proof of notice will be sent to the OCD upon receipt.

Any questions should be directed towards OWL SWD Operating, LLC's agent Lonquist & Co., LLC.

Regards,



Stephen L. Pattee, P.G.
Regulatory Manager
Lonquist & Co., LLC

(512) 600-1774
steve@lonquist.com

[Wells](#) [Operators](#) [Operator Data](#) [OCD Review](#) [OCD Only](#) [Administration](#)

OCD Permitting

[Home](#) [Land Searches](#) [Land Details](#)

Section : 18-24S-28E

Type: Normal

Total Acres: 639.2

County: Eddy (15)

D (1) Federal ¹ Fee ² (15) 39.68	C (C) Fee ¹ Fee ² (15) 40	B (B) Fee ¹ Fee ² (15) 40	A (A) Fee ¹ Fee ² (15) 40
E (2) Federal ¹ Fee ² (15) 39.76	F (F) Federal ¹ Federal ² (15) 40	G (G) Fee ¹ Fee ² (15) 40	H (H) Fee ¹ Fee ² (15) 40
L (3) Federal ¹ Fee ² (15) 39.84	K (K) Federal ¹ Federal ² (15) 40	J (J) Federal ¹ Federal ² (15) 40	I (I) Federal ¹ Federal ² (15) 40
M (4) Federal ¹ Federal ² (15) 39.92	N (N) Federal ¹ Federal ² (15) 40	O (O) Federal ¹ Federal ² (15) 40	P (P) Federal ¹ Federal ² (15) 40

Note ¹ = Surface Owner RightsNote ² = Sub-Surface Mineral Rights

Land Restrictions

No land restrictions found for this section.

[Return to Search](#)

Affidavit of Publication

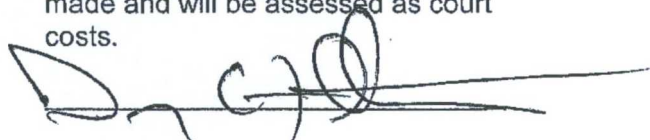
State of New Mexico,
County of Eddy, ss.

Danny Fletcher, being first duly
sworn, on oath says:

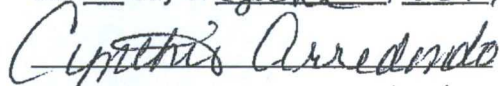
That he is the Publisher of the
Carlsbad Current-Argus, a
newspaper published daily at the
City of Carlsbad, in said county of
Eddy, state of New Mexico and of
general paid circulation in said
county; that the same is a duly
qualified newspaper under the laws
of the State wherein legal notices
and advertisements may be
published; that the printed notice
attached hereto was published in the
regular and entire edition of said
newspaper and not in supplement
thereof on the date as follows, to wit:

June 7 2017

That the cost of publication is \$70.82
and that payment thereof has been
made and will be assessed as court
costs.

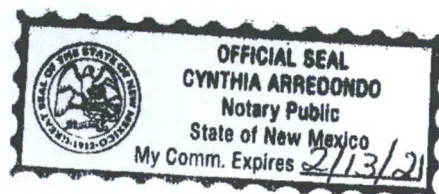


Subscribed and sworn to before me
this 8 day of June, 2017



My commission Expires 2/13/21

Notary Public



June 7, 2017

Legal Notice

OWL SWD Operating, LLC, 8214 Westchester Dr., Suite 850, Dallas, Texas 75255, is filing Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division for administrative approval for its salt water disposal well Goodbye Toby SWD No. 1. The proposed well will be located 425' FSL & 949' FWL in Section 18, Township 24S, Range 28E in Eddy County, New Mexico. Disposal water will be sourced from area production and will be injected into the Siluro-Devonian Formation (determined by offset log analysis) through an open hole completion between a maximum applied for top of 13,800 feet to a maximum depth of 15,250 feet. The maximum surface injection pressure will not exceed 2,760 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 in-

formation can be obtained from the applicant's agent, Longquist & Co., LLC, at (512) 600-1774.



C-108 Review Checklist: Received _____ Add. Request: _____ Reply Date: _____ Suspended: _____ [Ver 15]

ORDER TYPE: WFX / PMX / SWD Number: _____ Order Date: _____ Legacy Permits/Orders: _____

Well No. 1 Well Name(s): Goodby & Toby SW

API: 30-0 15-Pending Spud Date: TBD New or Old: N (UIC Class II Primacy 03/07/1982)

Footages 425 FBL 949 FBL Lot 4 or Unit _____ Sec 18 Tsp 24S Rge 28E County _____

General Location: 3 miles SSW of Mags Pool: S&D, Devonian - Silurian Pool No.: 47869

BLM 100K Map: CARLSBAD Operator: OWL SWD OGRID: 30835 Contact: Stephen Puttace, Agent

COMPLIANCE RULE 5.9: Total Wells: 18 Inactive: 0 Fincl Assur: OK Compl. Order? N/A IS 5.9 OK? Y Date: 8-14-2017

WELL FILE REVIEWED ☐ Current Status: Proposed

WELL DIAGRAMS: NEW: Proposed ☐ or RE-ENTER: Before Conv. ☐ After Conv. ☐ Logs in Imaging: N/A

Planned Rehab Work to Well: _____

Well Construction Details		Sizes (in) Borehole / Pipe	Setting Depths (ft)	Cement Sx or Cf	Cement Top and Determination Method
Planned ___ or Existing ___	Surface	<u>24"/20"</u>	<u>1050'</u>	<u>1500</u>	<u>SURFACE / VISUAL</u>
Planned ___ or Existing ___	Interm/Prod	<u>13 1/8"/9 5/8"</u>			
Planned ___ or Existing ___	Interm/Prod	<u>17 1/2"/13 3/4"</u>	<u>2550</u>	<u>1500</u>	<u>SURFACE / VISUAL</u>
Planned ___ or Existing ___	Prod/Liner	<u>12 1/4"/9 5/8"</u>	<u>10500</u>	<u>8000'</u>	<u>SURFACE / VISUAL</u>
Planned ___ or Existing ___	Liner	<u>8 1/2"/7"</u>	<u>14530</u>	<u>2400</u>	<u>10,300 / C-B-L</u>
Planned ___ or Existing ___	OH / PERF	<u>13800 / 15250</u>			

Injection Lithostratigraphic Units:		Depths (ft)	Injection or Confining Units	Tops	Completion/Operation Details:	
Adjacent Unit: Litho. Struc. Por.			<u>WB</u>	<u>13682</u>	Drilled TD <u>15250</u>	PBTD <u>A - 5" tubing</u>
Confining Unit: Litho. Struc. Por.			<u>OV</u>	<u>13805</u>	NEW TD <u>15250</u>	NEW PBTD <u>Surface</u>
Proposed Inj Interval TOP:					NEW Open Hole <u>AP</u>	NEW Perfs <u>14"</u>
Proposed Inj Interval BOTTOM:					Tubing Size <u>4"</u>	Inter Coated? <u>24-2 1/2" Liner</u>
Confining Unit: Litho. Struc. Por.					Proposed Packer Depth _____	ft
Adjacent Unit: Litho. Struc. Por.					Min. Packer Depth _____	(100-ft limit)
					Proposed Max. Surface Press. <u>2760</u>	psi
					Admin. Inj. Press. <u>2760</u>	(0.2 psi per ft)

AOR: Hydrologic and Geologic Information

POTASH: R-111-P NA Noticed? _____ BLM Sec Ord ☐ WIPP ☐ Noticed? _____ Salt/Salado T: 886 B: 2427 NW: Cliff House fm

FRESH WATER: Aquifer _____ Max Depth _____ HYDRO AFFIRM STATEMENT By Qualified Person ☐

NMOSE Basin: CARLSBAD CAPITAN REEF: thru adj NA No. Wells within 1-Mile Radius? 0 FW Analysis

Disposal Fluid: Formation Source(s) Bone Springs Analysis? Y On Lease ☐ Operator Only ☐ or Commercial ☒

Disposal Int: Inject Rate (Avg/Max BWPD): 25K/30K Protectable Waters? Y Source: _____ System: Closed or Open

HC Potential: Producing Interval? NA Formerly Producing? _____ Method: Logs/DST/P&A/Other regional 2-Mile Radius Pool Map ☐

AOR Wells: 1/2-M Radius Map? Y Well List? Y Total No. Wells Penetrating Interval: 0 Horizontals? _____

Penetrating Wells: No. Active Wells 0 Num Repairs? _____ on which well(s)? _____ Diagrams? _____

Penetrating Wells: No. P&A Wells 0 Num Repairs? _____ on which well(s)? _____ Diagrams? _____

NOTICE: Newspaper Date 7/7/2017 Mineral Owner BLM Surface Owner BLM N. Date 6-05-2017

RULE 26.7(A): Identified Tracts? Y Affected Persons: C.O.G., Matedon, CARA N. Date 6-05-2017

Order Conditions: Issues: P47 C-B-L tubing liner

Add Order Cond: