

Initial Application Part I

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

Revised March 23, 2017

RECEIVED: 3/29/2019	REVIEWER:	TYPE:	APP NO: PMAm1909349439
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Geological & Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND
 REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Applicant: <u>OWL SWD OPERATING, LLC</u>	OGRID Number: <u>308339</u>
Well Name: <u>THE OFFICE SWD #1</u>	API: <u>TBD</u>
Pool: <u>SWD; DEVONIAN-SILURIAN</u>	Pool Code: <u>97869</u>

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

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

A. Location – Spacing Unit – Simultaneous Dedication

☐ NSL

☐ NSP (PROJECT AREA)

☐ NSP (PRORATION UNIT)

☐ SD

B. Check one only for [I] or [II]

[I] Commingling – Storage – Measurement

☐ DHC

☐ CTB

☐ PLC

☐ PC

☐ OLS

☐ OLM

[II] Injection – Disposal – Pressure Increase – Enhanced Oil Recovery

☐ WFX

☐ PMX

☒ SWD

☐ IPI

☐ EOR

☐ PPR

2) NOTIFICATION REQUIRED TO: Check those which apply.

A. ☒ Offset operators or lease holders

B. ☐ Royalty, overriding royalty owners, revenue owners

C. ☒ Application requires published notice

D. ☐ Notification and/or concurrent approval by SLO

E. ☒ Notification and/or concurrent approval by BLM

F. ☒ Surface owner

G. ☒ For all of the above, proof of notification or publication is attached, and/or,

H. ☐ No notice required

FOR OCD ONLY

☐

Notice Complete

☐

Application
Content
Complete

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

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

RAMONA HOVEY

Print or Type Name

Ramona K Hovey

Signature

March 28, 2019

Date

512-600-1777

Phone Number

RAMONA@LONQUIST.COM

e-mail Address

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: Ramona K. Hovey TITLE: Consulting Engineer – Agent for OWL
SIGNATURE: Ramona K Hovey DATE: 3/28/2019
E-MAIL ADDRESS: ramona@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: The Office SWD No. 1WELL LOCATION: 150' FSL & 410' FEL
FOOTAGE LOCATIONP
UNIT LETTER4
SECTION25S
TOWNSHIP27E
RANGEWELLBORE SCHEMATICWELL CONSTRUCTION DATASurface CasingHole Size: 26.000"Casing Size: 20.00"Cemented with: 1,785 sx.or _____ ft³Top of Cement: surfaceMethod Determined: circulation1st Intermediate CasingHole Size: 17.500"Casing Size: 13.625"Cemented with: 3,950 sx.or _____ ft³Top of Cement: surfaceMethod Determined: circulation2nd Intermediate CasingHole Size: 12.250"Casing Size: 9.625"Cemented with: 2,280 sx.or _____ ft³Top of Cement: surfaceMethod Determined: circulation

Total Depth: 14,600'

Injection Interval

13,500 feet to 14,600 feet

(Open Hole)

INJECTION WELL DATA SHEET

Tubing Size: 7", 32 lb/ft, P-110, BT&C from 0' – 13,400'

Lining Material: Duoline

Type of Packer: 9-5/8" x 7" D&L Oil Tools Permapak Packer – Single Bore

Packer Setting Depth: 13,400'

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: Devonian-Silurian

3. Name of Field or Pool (if applicable): SWD: Devonian-Silurian (97869)

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:

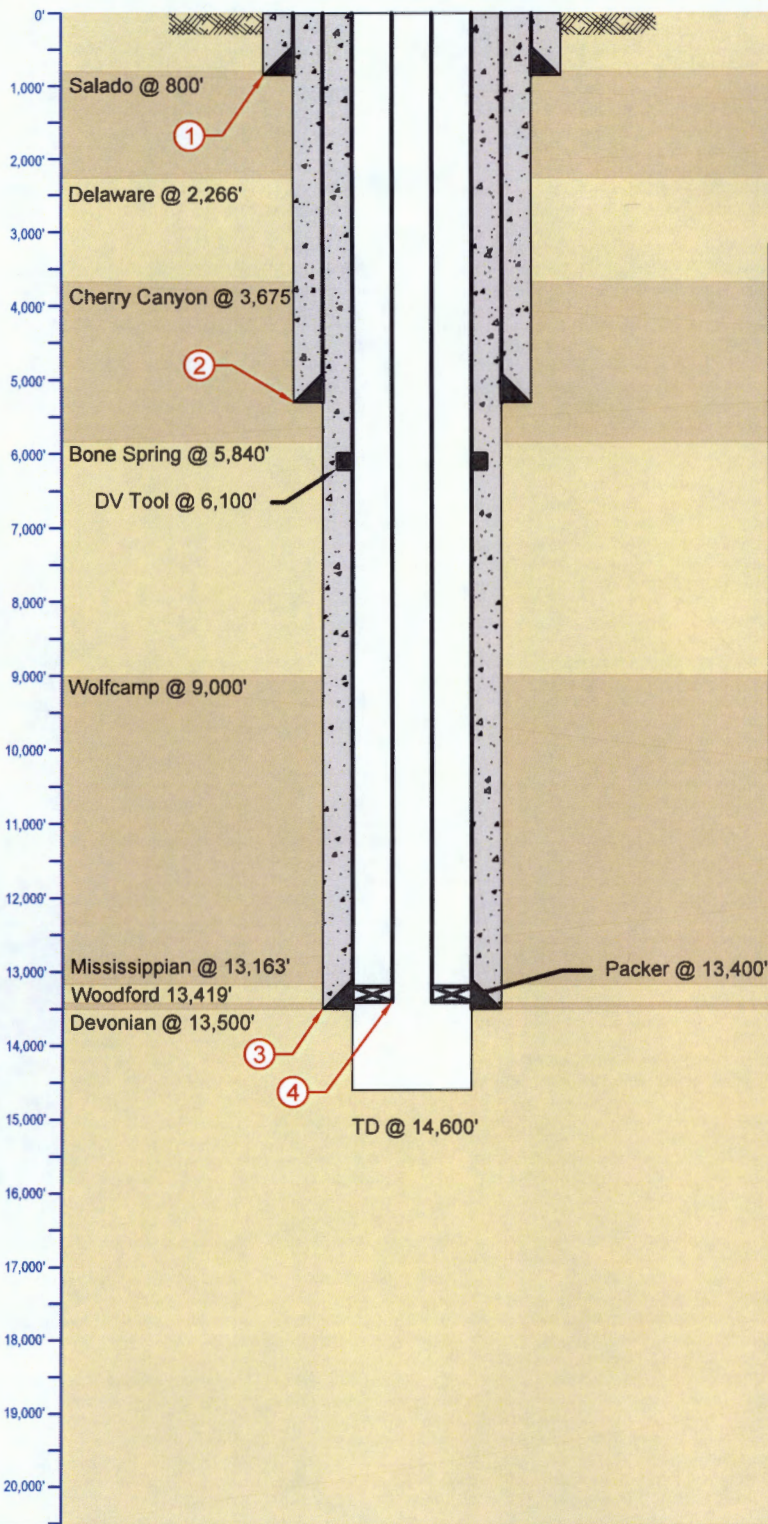
Delaware: 2,266'

Bone Spring: 5,840'

Wolfcamp: 9,000'

Morrow: 11,885'

Mississippian: 13,163'



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

Casing Information				
Label	1	2	3	4
Type	Surface	Intermediate	Production	Tubing
OD	20"	13-5/8"	9-5/8"	7"
WT	0.729"	0.625"	0.595"	0.453"
ID	18.542"	12.375"	8.435"	6.094"
Drift ID	NA	NA	NA	5.969"
COD	21.000"	14.375"	10.625"	7.675"
Weight	133 lb/ft	88.2 lb/ft	58.4 lb/ft	32 lb/ft
Grade	J-55 STC	HCP-110 BTC	P-110 LTC	P-110 BTC
Hole Size	26"	17-1/2"	12-1/4"	NA
Depth Set	850'	5,300'	13,500'	13,400'
TOC	Surface (circulation)	Surface (circulation)	Surface (circulation)	NA
Volume	TBD	TBD	TBD	NA

LONQUIST & CO. LLC

PETROLEUM
ENGINEERS

ENERGY
ADVISORS

HOUSTON | CALGARY
 AUSTIN | WICHITA | DENVER

Texas License F-9147

12912 Hill Country Blvd, Ste F-200
 Austin, Texas 78738
 Tel: 512.732.9812
 Fax: 512.732.9816

OWL SWD Operating, LLC

Country: USA

Location:

API No:

State ID No:

Drawn: WHG

Rev No: 8

The Office SWD No. 1 - Proposed

State/Province: New Mexico

Site:

Field:

Project No:

Reviewed: RH

Notes:

County/Parish: Eddy

Survey/STR: Sect 10, T-25S, R-27E

Well Type/Status: SWD

Date: 3/28/2019

Approved: SLP

OWL SWD Operating, LLC.

The Office SWD No. 1

FORM C-108 Supplemental Information

III. Well Data

A. Wellbore Information

1.

Well information	
Lease Name	The Office SWD
Well No.	1
Location	S-4 T-25S R-27E
Footage Location	150' FSL & 410' FEL

2.

a. Wellbore Description

Casing Design			
Type	Surface	Intermediate	Production
OD	20"	13.625"	9.625"
WT	0.729"	0.625"	0.595"
ID	18.542"	12.375"	8.435"
Drift ID			
COD	21.000"		10.625"
Weight	133 lb/ft	88.2 lb/ft	58.4 lb/ft
Grade	J-55 STC	HCP-110 BTC (or equivalent)	P-110 LTC (or equivalent)
Hole Size	26"	17.5"	12.25"
Depth Set	850'	5,300'	13,500'

b. Cementing Program

Cement Design			
Casing String	Surface	Intermediate	Production
Lead Cement	CI C + 4% Gel + 5% Salt + 0.25 pps Celloflake	HLC + 5% Salt	Stage 1: HLC Stage 2: HLC
Lead Cement Volume	820 sks	3,430 sks	Stage 1: 1,190 sks Stage 2: 730 sks
Tail Cement	CI C + 2% CaCl + 0.25 pps Celloflake	Class C + 2% CaCl	Stage 1: CI H Stage 2: CI H
Tail Cement Volume	965 sks	520 sks	Stage 1: 255 sks Stage 2: 105 sks
TOC	Surface	Surface	Surface
Method	Circulate to Surface	Circulate to Surface	Circulate to Surface

3. Tubing Description

Tubing Design	
OD	7"
WT	0.453"
ID	6.094"
Drift ID	5.969"
COD	7.675"
Weight	32 lb/ft
Grade	P-110, BTC
Depth Set	0'-13,400'

Tubing will be lined with Duoline.

4. Packer Description

D&L Oil Tools 9-5/8" x 7" Permapack Packer – Single Bore

B. Completion Information

1. Injection Formation: Devonian-Silurian
2. Gross Injection Interval: 13,500' – 14,600'

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	2,266'
Bone Spring	5,840'
Wolfcamp	9,000'
Morrow	11,885'
Mississippian	13,163'

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: 35,000 BPD

2. Closed System

3. Anticipated Injection Pressure:

Average Injection Pressure: 2,470 PSI (surface pressure)
Maximum Injection Pressure: 2,700 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 Bone Springs, Wolfcamp, Delaware and Morrow formations.
5. No wells have produced in the Devonian/Silurian in the area surrounding the proposed location.

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
Rustler	620'
Salado	800'
Delaware	2,266'
Cherry Canyon	3,675'
Bone Spring	5,840'
Wolfcamp	9,000'
Strawn	10,852'
Atoka	11,117'
Morrow	11,885'
Mississippian	13,163'
Woodford	13,419'
Devonian	13,500'

B. Underground Sources of Drinking Water

No water wells exist within the one-mile surrounding area for the proposed well. Across the area, fresh water wells are usually drilled around 100'. The Rustler is known to exist in this general area and may also be another USDW and will be protected through the top of the Salado formation at 800' by setting surface casing at 850'.

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 no fresh water wells within one mile of the well location.

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.

The Office SWD No. 1
2 Mile Area of Review
Oilfield Water Logistics
Eddy County, NM

PCS: NAD 1983 SPCS NM-E FIPS 3001 (US Ft.)

Drawn by: SJL Date: 2/21/2019 Approved by: SLP

LONGQUIST & CO. LLC

PETROLEUM
ENGINEERS

ENERGY
ADVISORS

AUSTIN · HOUSTON · WICHITA · DENVER · CALGARY

+ The Office SWD No. 1

1/2 Mile Radius

1 Mile Radius

1.5 Mile Radius

2 Mile Radius

QQ-Section (NM-PLSS 2nd Div.)

Section (NM-PLSS 1st Div.)

Township/Range (NM-PLSS)

Laterals

API (30-015-...) SHL Status - Type (Count)

Horizontal Surface Location (33)

Active - Oil (2)

Active - Gas (4)

Permitted - Oil (1)

Plugged (Site Released) - Oil (11)

Plugged (Site Released) - Gas (2)

Canceled Location (10)

API (30-015-...) BHL Status - Type (Count)

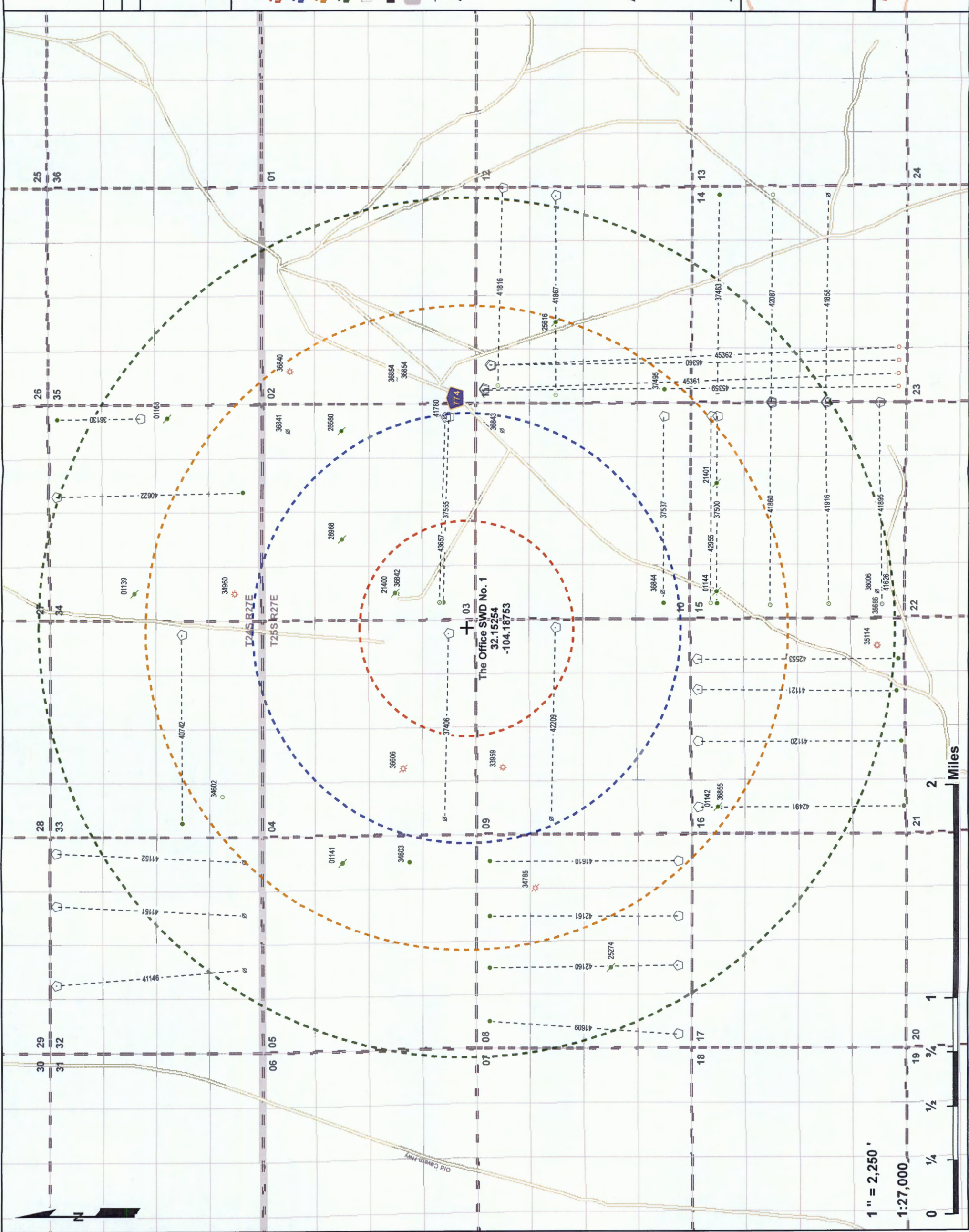
Active - Oil (15)

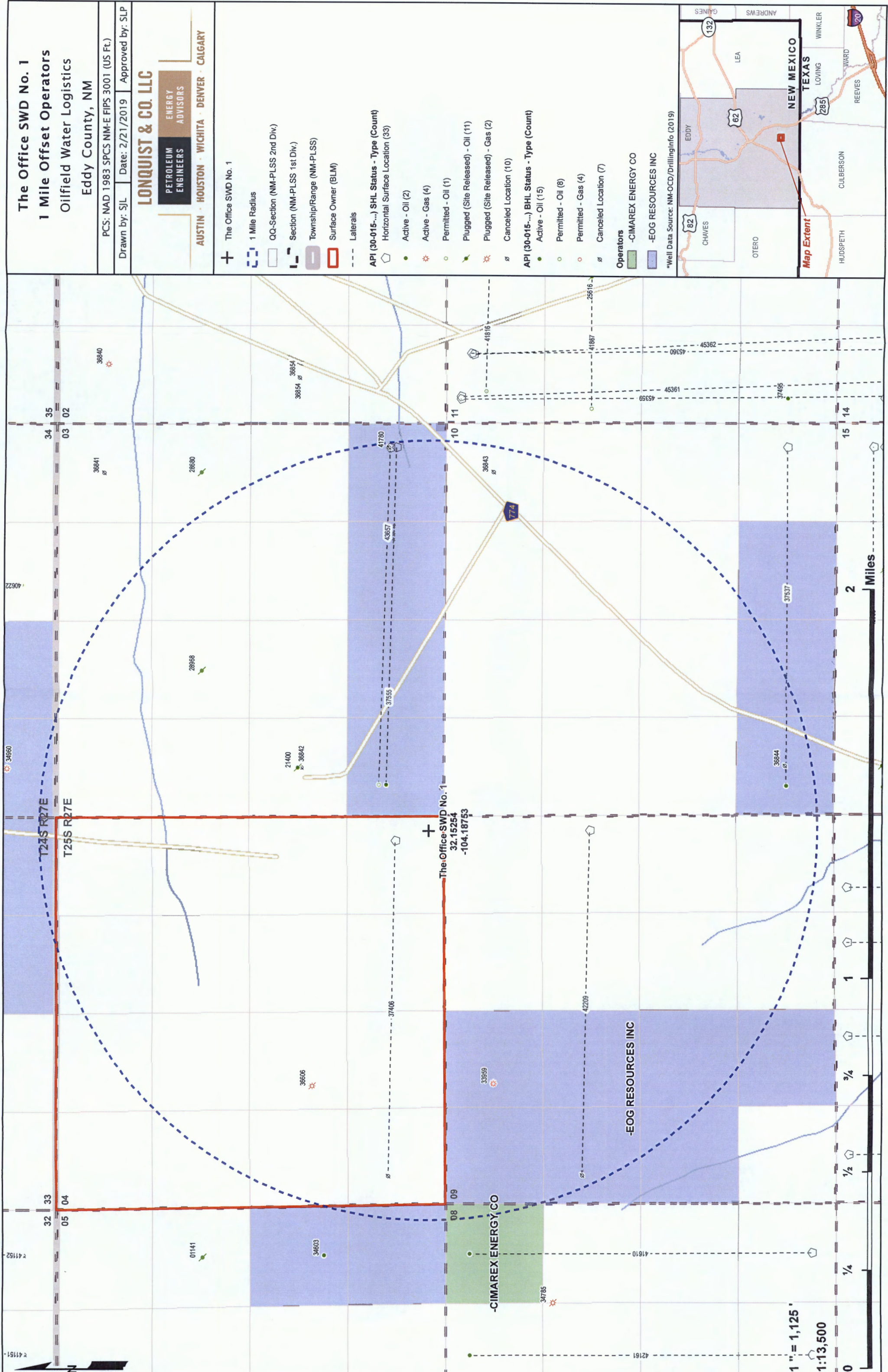
Permitted - Oil (8)

Permitted - Gas (4)

Canceled Location (7)

*Well Data Source: NM-OCDDrillingInfo (2019)





The Office SWD No. 1
1 Mile Offset Operators
Oilfield Water Logistics
Eddy County, NM

PCS: NAD 1983 SPCS NM-E FIPS 3001 (US Ft.)
Drawn by: SJL Date: 2/21/2019 Approved by: SLP

LONQUIST & CO. LLC

PETROLEUM ENGINEERS
ENERGY ADVISORS

AUSTIN · HOUSTON · WICHITA · DENVER · CALGARY

- + The Office SWD No. 1
 - 1 Mile Radius
 - QQ-Section (NM-PLSS 2nd Div.)
 - Section (NM-PLSS 1st Div.)
 - Township/Range (NM-PLSS)
 - Surface Owner (BLM)
 - Laterals
 - API (30-015-...) SHL Status - Type (Count)
 - Horizontal Surface Location (33)
 - Active - Oil (2)
 - Active - Gas (4)
 - Permitted - Oil (1)
 - Plugged (Site Released) - Oil (11)
 - Plugged (Site Released) - Gas (2)
 - Canceled Location (10)
 - API (30-015-...) BHL Status - Type (Count)
 - Active - Oil (15)
 - Permitted - Oil (8)
 - Permitted - Gas (4)
 - Canceled Location (7)
 - Operators
 - CIMAREX ENERGY CO
 - EOG RESOURCES INC
- *Well Data Source: NM-OCD/DrillingInfo (2019)



The Office SWD No. 1
1 Mile Area of Review List

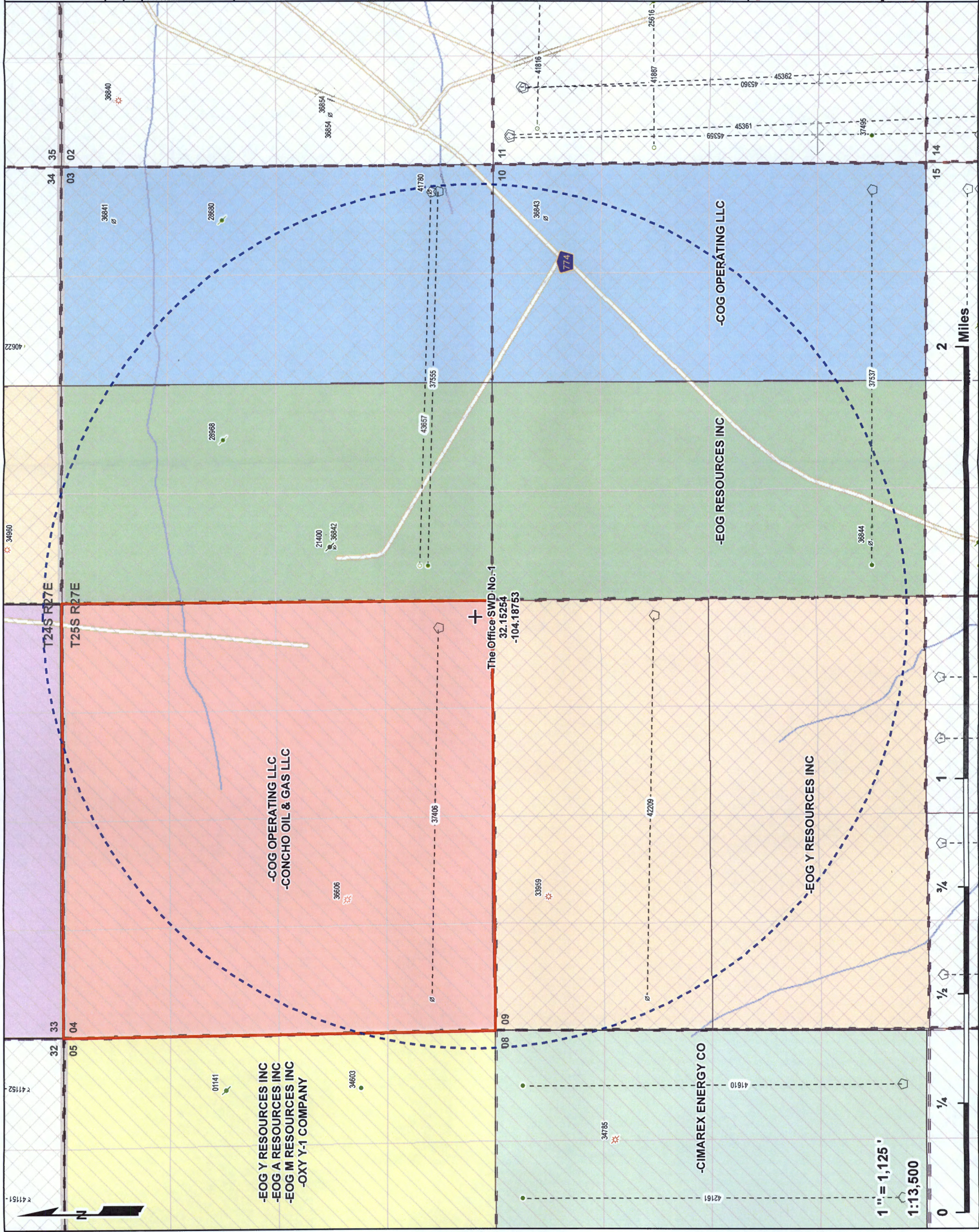
API (30-015-...)	WELL NAME	WELL TYPE	STATUS	OPERATOR	TVD (FT.)	LATITUDE (NAD83 DD)	LONGITUDE (NAD83 DD)	SPUD DATE	FIELD
21400	PRE-ONGARD WELL #001	O	P	PRE-ONGARD WELL OPERATOR	790	32.15741730000	-104.18475340000	10/19/1974	WILDCAT
28968	STATE 3 #002	O	P	TMBR/SHARP DRILLING INC	5910	32.16100690000	-104.180503800	5/11/1996	[96456] SULPHATE DRAW DELAWARE.SOUTH
33959	PADRON BGM STATE COM #001	G	A	EOG Y RESOURCES, INC.	12535	32.1500893000	-104.198555000	2/25/2005	[96785] HACKBERRY, MORROW, NORTH (G); [97474] HACKBERRY DRAW, MORROW, NORTH (G); [97495] WATERHOLE CORRAL, ATOKA (G)
36606	MAGELLAN FEDERAL #003	G	P	EOG Y RESOURCES, INC.	12560	32.1568527000	-104.198638900	9/10/2008	[96785] HACKBERRY, MORROW, NORTH (G); [97474] HACKBERRY DRAW, MORROW, NORTH (G)
36842	HOYT 3 STATE COM #001L	G	C	EOG RESOURCES INC	-	32.1572772527	-104.184739875	-	[96070] WC, MORROW (GAS)
36843	EASTON 10 STATE COM #002A	G	C	EOG RESOURCES INC	-	32.1501461792	-104.171829714	-	[96070] WC, MORROW (GAS)
36844	EASTON 10 STATE COM #001M	G	C	EOG RESOURCES INC	-	32.1392518934	-104.184623162	-	[96070] WC, MORROW (GAS)
37406	MAGELLAN FEDERAL UNIT #004E	O	C	EOG Y RESOURCES, INC.	9	32.1537814683	-104.187933488	8/23/2012	[97816] WC-015 G-02 S252715A, BONE SPRING
37537	MADURO BOZ STATE COM #001H	O	A	EOG Y RESOURCES, INC.	8038	32.1391792000	-104.170692400	2/1/2010	[97816] WC-015 G-02 S252715A, BONE SPRING
37555	CHEROOT BPF STATE COM #001H	O	A	EOG Y RESOURCES, INC.	8081	32.1537743000	-104.170768700	2/1/2010	[97816] WC-015 G-02 S252715A, BONE SPRING
41780	CHEROOT BPF STATE COM #002H	O	C	EOG Y RESOURCES, INC.	-	32.1540489000	-104.170768700	-	[30216] HAY HOLLOW, BONE SPRING, NORTH
42209	PADRON BGM STATE COM #002H	O	C	EOG Y RESOURCES, INC.	-	32.1465263000	-104.187461900	-	[97816] WC-015 G-02 S252715A, BONE SPRING
43657	CHEROOT BPF STATE COM #002H	O	N	EOG Y RESOURCES, INC.	-	32.15401100000	-104.17078900000	-	[30216] HAY HOLLOW, BONE SPRING, NORTH

PCS: NAD 1983 SPCS NM-E FIPS 3001 (US Ft.)		
Drawn by: S/JL	Date: 2/21/2019	Approved by: SLP

**PETROLEUM
ENGINEERS**

**ENERGY
ADVISORS**

+ The Office SWD No. 1



The Office SWD No. 1
1 Mile Offset Operators and Lessees List

S/I/R	QQ UNIT LETTER(S)	OPERATOR	MINERAL LESSEE	MINERAL OWNER	SURFACE OWNER	ADDRESS 1	ADDRESS 2
33/24S/27E	O,P	EOG RESOURCES INC	-	-	-	PO BOX 2267	MIDLAND, TX 79702
34/24S/27E	M,N	EOG RESOURCES INC	-	-	-	PO BOX 2267	MIDLAND, TX 79702
3/25S/27E	M,N,O,P	EOG RESOURCES INC	-	-	-	PO BOX 2267	MIDLAND, TX 79702
	C,D,E,F,K,L	-	EOG RESOURCES INC	-	-	PO BOX 2267	MIDLAND, TX 79702
	A,B,G,H,I,J,O,P	-	COG OPERATING LLC	-	-	600 W ILLINOIS AVE	MIDLAND, TX 79701
4/25S/27E	Entire Section	-	COG OPERATING LLC	-	-	600 W ILLINOIS AVE	MIDLAND, TX 79701
		-	CONCHO OIL & GAS LLC	-	-	600 W ILLINOIS AVE	MIDLAND, TX 79701
5/25S/27E	I,P	EOG RESOURCES INC	-	-	-	PO BOX 2267	MIDLAND, TX 79702
8/25S/27E	A	CIMAREX ENERGY CO	-	-	-	600 N. MARIENFELD STREET SUITE 600	MIDLAND, TX 79701
9/25S/27E	C,D,E,F,K,L,N	EOG RESOURCES INC	-	-	-	PO BOX 2267	MIDLAND, TX 79702
	A,B,G,H,I,J,O,P	-	EOG Y RESOURCES INC	-	-	104 S 4TH ST	ARTESIA, NM 88210
10/25S/27E	M,N,O	EOG RESOURCES INC	-	-	-	PO BOX 2267	MIDLAND, TX 79702
	C,D,E,F,K,L	-	EOG RESOURCES INC	-	-	PO BOX 2267	MIDLAND, TX 79702
	A,B,G,H,I,J	-	COG OPERATING LLC	-	-	600 W ILLINOIS AVE	MIDLAND, TX 79701
Surface Location	-	-	-	-	BUREAU OF LAND MANAGEMENT	301 DINOSAUR TRAIL	SANTA FE, NM 87508



32 33
05 04

T24S R27E 34
T25S R27E 03

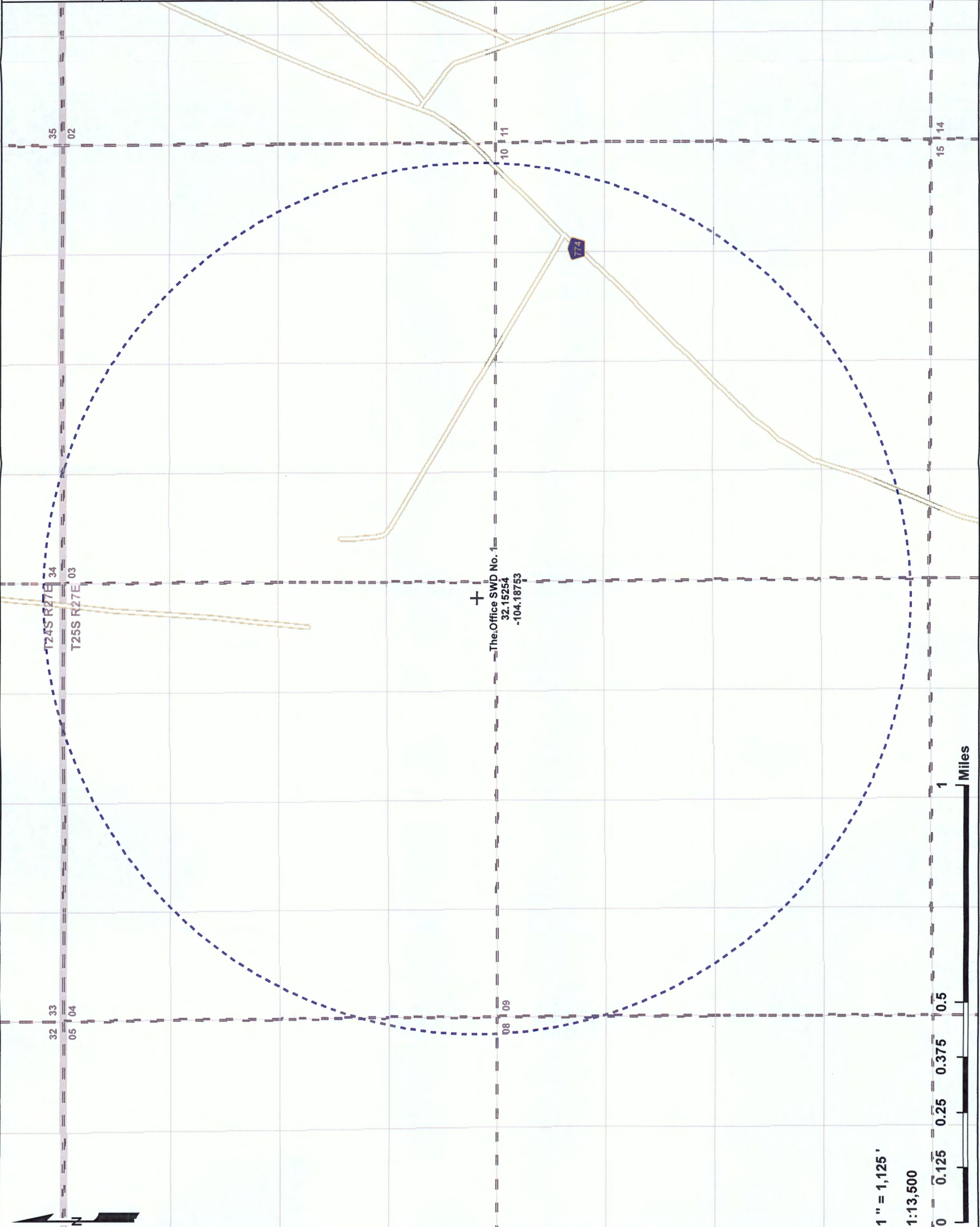
35 02

08 09

The Office SWD No. 1
32.15254
-104.18753

10 11
15 14

1" = 1,125'
1:13,500



The Office SWD No. 1
Water Wells within 1 Mile
Oilfield Water Logistics
Eddy County, NM

PCS: NAD 1983 SPCS NM-E FIPS 3001 (US Ft.)

Drawn by: SJL Date: 2/27/2019 Approved by: SLP

LONQUIST & CO. LLC

PETROLEUM
ENGINEERS

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ADVISORS

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✚ The Office SWD No. 1

⊞ 1 Mile Radius

□ QQ-Section (NM-PLSS 2nd Div.)

└─ Section (NM-PLSS 1st Div.)

▬ Township/Range (NM-PLSS)

*No water wells within 1 mile (NM-OSE 2019)



WELL NAME	API	LAT	LONG	S	T	R	UNIT	frqns	ftgwt	county	state	formation	sampledate	ph	tds_mgL	resistivity_ohm cm	sodium_mg_L	calcium_mg_L	iron_mg_L	magnesium_mg_L	manganese_mg_L	chloride_mg_L	bicarbonate_mg_L	sulfate_mg_L	co2_mg_L
MONA USA #002	3001523094	32.1417465	-104.2325897	7	25S	27E	K	1650S	1660W	EDDY	NM	MORROW	3/7/2000	6.17	92832.7		32968.1	2979.66	621.16	387.96		59225.4	204.58	293.62	
MONA USA #002	3001523094	32.1417465	-104.2325897	7	25S	27E	K	1650S	1660W	EDDY	NM	MORROW	1/2/1900				0	0	0	0		0	0	0	
IRRITABLE 22 STATE COM #002H	3001541359	32.1219177	-104.1758957	22	25S	27E	B	330N	1980E	EDDY	NM	BONE SPRING 2ND SAND	10/8/2015	6.8	161087	0.0627	48367	8782.3	48.9	1151.9		100324.4		544	560
DOC HOLIDAY 32 STATE COM #001	3001541145	32.1804123	-104.220192	32	24S	27E	D	150N	330W	EDDY	NM	BONE SPRING 2ND SAND	8/23/2014	6.7	193316.3		59944.7	8287.7	63.6	1065.9	1.03	120600	170.8	17	350
PREACHER 19 FEDERAL #003H	3001541887	32.1957703	-104.2276001	19	24S	27E	O	150S	1980E	EDDY	NM	BONE SPRING 2ND SAND	8/23/2014	6.5	193786.1		67996.2	3049.5	50	455.6	0	119000	130	34	300
PREACHER 19 FEDERAL #003H	3001541887	32.1957703	-104.2276001	19	24S	27E	O	150S	1980E	EDDY	NM	BONE SPRING 2ND SAND	1/19/2015	7	177819.6		60298.5	5557.4	49.5	721.3	0	108940.6	366	0	470
JOSEY WALES 16 STATE COM #003H	3001541090	32.2103996	-104.1936798	16	24S	27E	O	150S	1980E	EDDY	NM	BONE SPRING 2ND SAND	10/24/2013	6.47	179419.7		56191	7263	34	907	0.8	112857	146.4	573	350
DOC HOLLIDAY 32 STATE COM #001	3001541145	32.1804123	-104.220192	32	24S	27E	D	150N	330W	EDDY	NM	BONE SPRING 2ND SAND	10/22/2014	6.3	205799.3		64141.4	9202.6	68.4	1164.7	1.1	128748.7	122	17	430
PREACHER 19 FEDERAL #003H	3001541887	32.1957703	-104.2276001	19	24S	27E	O	150S	1980E	EDDY	NM	BONE SPRING 2ND SAND	10/22/2014	5.8	203717.6		70834.8	3255.7	51	483.4	0	125604.7	144	34	360
JOSEY WALES 16 STATE COM #003H	3001541090	32.2103996	-104.1936798	16	24S	27E	O	150S	1980E	EDDY	NM	BONE SPRING 2ND SAND	4/6/2015	7.6	176588.8	0.05312	56605.8	7257.2	41.9	919.6	0	109722	146	0	430
DOC HOLLIDAY 32 STATE COM #001	3001541145	32.1804123	-104.220192	32	24S	27E	D	150N	330W	EDDY	NM	BONE SPRING 2ND SAND	4/6/2015	7.3	197760.1	0.04998	61580.1	8480.7	68.7	1113.9	1.11	123849.8	146	0	430
HABANERO 17 FEDERAL COM #001H	3001536108	32.2218475	-104.2062683	17	24S	27E	A	990N	660E	EDDY	NM	WOLFCAMP	4/7/2015	6.5	108205	0.07392	35110.8	4480.2	28.5	627.9	0.61	65927.2	146	0	300
SERRANO 29 FEDERAL #001H	3001537763	32.1898842	-104.2062149	29	24S	27E	H	1980N	660E	EDDY	NM	WOLFCAMP	4/7/2015	6.9	102136.2	0.07961	30415.1	5311.5	40.2	643.7	1.47	62812.7	183	0	350
CRAWFORD #001	3001501121	32.2294731	-104.1977081	9	24S	27E	K	1780S	1980W	EDDY	NM	DELAWARE			95055							58570	95	187	
ST HAMILTON #001	3001501126	32.2109222	-104.186203	15	24S	27E	M	330S	330W	EDDY	NM	DELAWARE			301812							189600	192	2040	
R.S. STATE #001	3001501132	32.1826591	-104.180573	27	24S	27E	N	660S	1980W	EDDY	NM	PENNSYLVANIAN			48387							26570	1505	2263	
DOC HOLLIDAY 32 STATE COM #001	3001541145	32.1804123	-104.220192	32	24S	27E	D	150N	330W	EDDY	NM	BONE SPRING 2ND SAND	6/4/2014	7.3	127681.6		43933.7	2003.8	31.4	394.2	0	77098	195.2	0	50
PREACHER 19 FEDERAL #003H	3001541887	32.1957703	-104.2276001	19	24S	27E	O	150S	1980E	EDDY	NM	BONE SPRING 2ND SAND	6/4/2014	7.4	312558		120501	1427.3	43.3	362.7	0	186000	201.4	3947	180
PREACHER 19 FEDERAL #003H	3001541887	32.1957703	-104.2276001	19	24S	27E	O	150S	1980E	EDDY	NM	BONE SPRING 2ND SAND	6/4/2014	7.4	312550		120501	1427.3	43.3	362.7	0	186000	201.4	0	180
JOSEY WALES 16 STATE COM #003H	3001541090	32.2103996	-104.1936798	16	24S	27E	O	150S	1980E	EDDY	NM	BONE SPRING 2ND SAND	1/7/2015	6.5	179141.4		59469	7527.1	41	943.9	0	109122.7	73.2	0	250
DOC HOLLIDAY 32 STATE COM #001	3001541145	32.1804123	-104.220192	32	24S	27E	D	150N	330W	EDDY	NM	BONE SPRING 2ND SAND	1/7/2015	7	203230.2		65823.6	9280.1	59.4	1154	1.17	124268.5	48.8	0	300
SERRANO 29 FEDERAL #001H	3001537763	32.1898842	-104.2062149	29	24S	27E	H	1980N	660E	EDDY	NM	WOLFCAMP	1/12/2015	6.5	100994.9		28702.1	5341.9	46.2	619.5	1.46	63450.1	268	0	350
FED J #001	3001522471	32.0730133	-104.2359085	6	26S	27E	E	2180N	660W	EDDY	NM	DELAWARE	7/31/1978	5.7	255599							160000	24	330	
WELCH ABV FEDERAL #001	3001501159	32.0332375	-104.201149	21	26S	27E	D	660N	760W	EDDY	NM				20454							11100	980	640	
FED J #001	3001522471	32.0730133	-104.2359085	6	26S	27E	E	2180N	660W	EDDY	NM	DELAWARE		7.4	265727							158000	37	3600	
FED J #001	3001522471	32.0730133	-104.2359085	6	26S	27E	E	2180N	660W	EDDY	NM	DELAWARE										156000	76	790	
FED J #001	3001522471	32.0730133	-104.2359085	6	26S	27E	E	2180N	660W	EDDY	NM	DELAWARE		8.5	263830							157000	78	3700	

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

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

Beginning with the issue dated
March 07, 2019
and ending with the issue dated
March 07, 2019.



Publisher

Sworn and subscribed to before me this
7th day of March 2019.

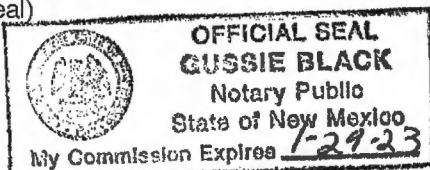


Business Manager

My commission expires

January 29, 2023

(Seal)



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

LEGAL NOTICE MARCH 7, 2019

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 The Office SWD No. 1. The proposed well will be located 150' FSL & 410' FEL in Section 4, Township 25S, Range 27E 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 13,500 feet to a maximum depth of 14,800 feet. The maximum surface injection pressure will not exceed 2,700 psi with a maximum rate of 35,000 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) 800-1774. #33844

67112661

00225472

LONQUIST & CO., LLC
12912 HILL COUNTRY BLVD, STE F200
AUSTIN, TX 78738

The Office SWD #1 Notice List			
Eddy County, NM			
OWL SWD Operating, LLC			
S/T/R	UNIT	REGULATORY	MAILING ADDRESS
		SURFACE OWNER	MAILING ADDRESS
		BUREAU OF LAND MANAGEMENT	620 E. Greene St. Carlsbad, NM 88220
		MINERAL OWNER	MAILING ADDRESS
		NEW MEXICO STATE LAND OFFICE	310 Old Santa Fe Trail Santa Fe, NM 87501
		MINERAL LESSEE	MAILING ADDRESS
3/25S/27E 4/25S/27E 10/25S/27E	A,B,G,H,I,J,O,P ALL A,B,G,H,I,J	COG OPERATING LLC	600 W ILLINOIS AVE MIDLAND, TX 79701
4/25S/27E	ALL	CONCHO OIL & GAS LLC	600 W ILLINOIS AVE MIDLAND, TX 79701
9/25S/27E	A,B,G,H,I,J,O,P	EOG Y RESOURCES INC	104 S 4TH ST ARTESIA, NM 88210
		OFFSET OPERATORS	MAILING ADDRESS
8/25S/27E	A	CIMAREX ENERGY CO	600 N. MARIENFIELD STREET, SUITE 600 MIDLAND, TX 79701
3/24S/27E 3/24S/27E 3/25S/27E 5/25S/27E 9/25S/27E 10/25S/27E	OP MN M,N,O,P I,P C,D,E,F,K,L,N M,N,O	EOG RESOURCES INC	PO BOX 2267 MIDLAND, TX 79702
		OTHER PARTIES	MAILING ADDRESS

Phone number Shipment tracking Date Shipped

USPS - 7018 1130 0001 5497 0896 3/28/2019

USPS - 7018 1130 0001 5497 0902 3/28/2019

USPS - 7018 1130 0001 5497 0919 3/28/2019

USPS - 7018 1130 0001 5497 0926 3/28/2019

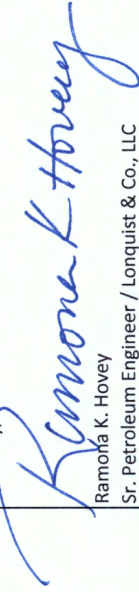
USPS - 7018 1130 0001 5497 0933 3/28/2019

USPS - 7018 1130 0001 5497 0940 3/28/2019

USPS - 7018 1130 0001 5497 0957 3/28/2019

Notices were sent on 3/28/2019 for the The Office SWD #1 application by mailing them a copy of the Form C-108.

Sincerely,


 Ramona K. Hovey
 Sr. Petroleum Engineer / Lonquist & Co., LLC
 For OWL SWD Operating, LLC

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

BUREAU OF LAND MANAGEMENT
620 E GREENE STREET
CARLSBAD NM 88220

1458-THE OFFICE SWD #1



9590 9402 4693 8323 9934 43

2. Article Number (Transfer from service label)

7018 1130 0001 5497 0896

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent

☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

- D. Is delivery address different from item 1? ☐ Yes
 If YES, enter delivery address below: ☐ No

3. Service Type

- | | |
|--|---|
| ☒ Adult Signature | ☐ Priority Mail Express® |
| ☐ Adult Signature Restricted Delivery | ☐ Registered Mail™ |
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| ☐ Certified Mail Restricted Delivery | ☐ Return Receipt for Merchandise |
| ☐ Collect on Delivery | ☐ Signature Confirmation™ |
| ☐ Collect on Delivery Restricted Delivery | ☐ Signature Confirmation Restricted Delivery |
| ☐ Insured Mail | |
| ☐ Insured Mail Restricted Delivery (over \$500) | |

PS Form 3811, July 2015 PSN 7530-02-000-9053

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| ☐ Return Receipt (electronic) | \$ |
| ☐ Certified Mail Restricted Delivery | \$ |
| ☐ Adult Signature Required | \$ |
| ☐ Adult Signature Restricted Delivery | \$ |

Postage

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Total P

\$

Sent To

Street a

City, St

BUREAU OF LAND MANAGEMENT
620 E GREENE STREET
CARLSBAD NM 88220

1458-THE OFFICE SWD #1

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PS Form 3800, April 2015 PSN 7530-02-000-9047

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1. Article Addressed to:

NEW MEXICO STATE LAND OFFICE
310 OLD SANTE FE TRAIL
SANTE FE NM 87501

1458-THE OFFICE SWD #1



9590 9402 4693 8323 9934 36

2. Article Number (Transfer from service label)

7018 1130 0001 5497 0902

PS Form 3811, July 2015 PSN 7530-02-000-9053

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☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
 If YES, enter delivery address below: ☐ No

3. Service Type

- ☒ Adult Signature
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- ☐ Certified Mail Restricted Delivery \$
- ☐ Adult Signature Required \$
- ☐ Adult Signature Restricted Delivery \$

Postage

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Total P&c

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City, Sta

NEW MEXICO STATE LAND OFFICE
310 OLD SANTE FE TRAIL
SANTE FE NM 87501

1458-THE OFFICE SWD #1

PS Form 3800, April 2015 PSN 7530-02-000-9047

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1. Article Addressed to:

COG OPERATING LLC
600 W ILLINGOIS AVE
MIDLAND TX 79701

1458-THE OFFICE SWD #1



9590 9402 4693 8323 9934 29

2. Article Number (Transfer from service label)

7018 1130 0001 5497 0919

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A. Signature

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☐ Agent☐ Addressee

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If YES, enter delivery address below: ☐ No

3. Service Type

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| ☐ Return Receipt (electronic) | \$ |
| ☐ Certified Mail Restricted Delivery | \$ |
| ☐ Adult Signature Required | \$ |
| ☐ Adult Signature Restricted Delivery | \$ |

Postage

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Total

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Sent

State

City

Postmark
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COG OPERATING LLC
600 W ILLINGOIS AVE
MIDLAND TX 79701

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PS Form 3800, April 2015 PSN 7530-02-000-9047

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1. Article Addressed to:

CONCHO OIL & GAS LLC
600 W ILLINOIS AVE
MIDLAND TX 79701

1458-THE OFFICE SWD #1



9590 9402 4693 8323 9934 12

2. Article Number (Transfer from service label)

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Postage

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Total P

\$

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Street &

City, St.

CONCHO OIL & GAS LLC
600 W ILLINOIS AVE
MIDLAND TX 79701

1458-THE OFFICE SWD #1

PS Form 3800, April 2015 PSN 7530-02-000-9047

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1. Article Addressed to:

EOG Y RESOURCES INC
104 S 4TH ST
ARTESIA NM 88210

1458-THE OFFICE SWD #1



9590 9402 4693 8323 9934 05

2. Article Number (Transfer from service label)

7018 1130 0001 5497 0933

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A. Signature

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☐ Agent☐ Addressee

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D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

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☐ Adult Signature Restricted Delivery

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Postage

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Total

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Sent

Street

City

EOG Y RESOURCES INC

104 S 4TH ST

ARTESIA NM 88210

1458-THE OFFICE SWD #1

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1. Article Addressed to:

CIMAREX ENERGY CO
600 N MARIENFIELD ST STE 600
MIDLAND TX 79701

1458-THE OFFICE SWD #1



9590 9402 4693 8323 9933 99

2. Article Number (Transfer from service label)

7018 1130 0001 5497 0940

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

- ☐ Agent
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☒ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail
☐ Insured Mail Restricted Delivery (over \$500)
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☐ Return Receipt (electronic) \$
☐ Certified Mail Restricted Delivery \$
☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$

Postage

\$

Total

\$ Sent

Street

City, State

CIMAREX ENERGY CO
600 N MARIENFIELD ST STE 600
MIDLAND TX 79701

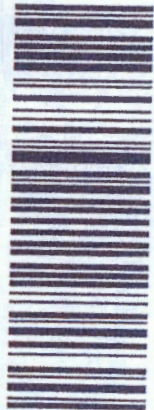
1458-THE OFFICE SWD #1

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS. FOLD AT DOTTED LINE

CERTIFIED MAIL®



7018 1130 0001 5497 0940

7018 1130 0001 5497 0940

Postmark
Here

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

EOG RESOURCES INC
PO BOX 2267
MIDLAND TX 79702

1458-THE OFFICE SWD #1



9590 9402 4693 8323 9933 82

2. Article Number (Transfer from service label)

7018 1130 0001 5497 0957

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from Item 1? ☐ Yes
 If YES, enter delivery address below: ☐ No

3. Service Type

☒ Adult Signature☐ Adult Signature Restricted Delivery☒ Certified Mail®☐ Certified Mail Restricted Delivery☐ Collect on Delivery☐ Collect on Delivery Restricted Delivery☐ Insured Mail☐ Insured Mail Restricted Delivery (over \$500)☐ Priority Mail Express®☐ Registered Mail™☐ Registered Mail Restricted Delivery☐ Return Receipt for Merchandise☐ Signature Confirmation™☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

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

For delivery information, visit our website at www.usps.com®.**OFFICIAL USE**

Certified Mail Fee

\$

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

☐ Return Receipt (hardcopy)

\$

☐ Return Receipt (electronic)

\$

☐ Certified Mail Restricted Delivery

\$

☐ Adult Signature Required

\$

☐ Adult Signature Restricted Delivery

\$

Postage

\$

Total

\$

Sent

Street

City

State

Zip

EOG RESOURCES INC
PO BOX 2267
MIDLAND TX 79702

1458-THE OFFICE SWD #1

Postmark
 Here

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT
 OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

CERTIFIED MAIL®

7018 1130 0001 5497 0957

7018 1130 0001 5497 0957

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
Property Code	Property Name THE OFFICE SWD	Well Number 1
OGRID No.	Operator Name OILFIELD WATER LOGISTICS	Elevation 3247'

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	4	25S	27 E		150	SOUTH	410	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint or Infill	Consolidated Code	Order No.						

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

THE OFFICE SWD-1
NMSP-E (NAD 83)
N (Y) = 419199.5'
E (X) = 586253.8'
LAT. = 32°09'08.55"N.
LONG. = 104°11'17.51"W.
NMSP-E (NAD 27)
N (Y) = 419141.8'
E (X) = 545070.6'
LAT. = 32.15225407°N.
LONG. = 104.1877008°W.

150' 410'

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 to voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Ramona K Hovey 3/28/19
Signature Date

Ramona Hovey

Print Name

ramona@lonquist.com

E-mail Address

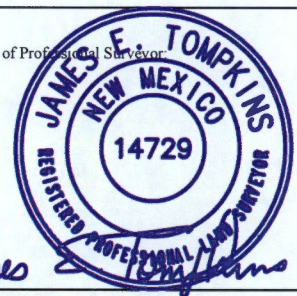
SURVEYORS CERTIFICATION

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

May 25, 2017

Date of Survey

Signature and Seal of Professional Surveyor

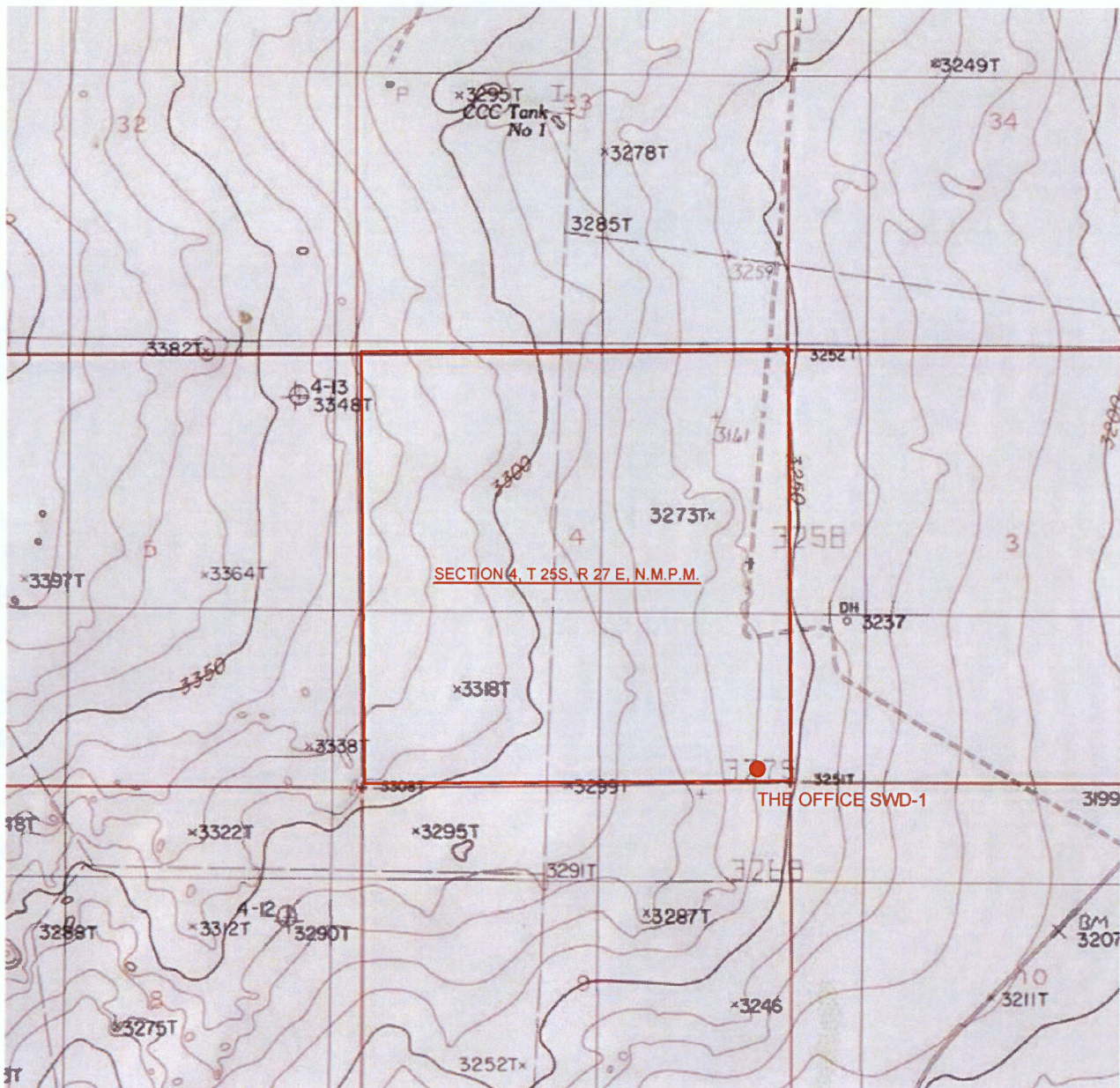


Job No.: WTC51863

JAMES E. TOMPKINS 14729

Certificate Number

LOCATION VERIFICATION MAP



GRAPHIC SCALE 1" = 2000'

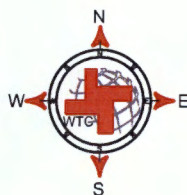
SECTION 4, T 25S, R 27 E, N.M.P.M.

COUNTY: EDDY STATE: NM

DESCRIPTION: 150' FSL & 410' FEL

OPERATOR: OILFIELD WATER LOGISTICS

WELL NAME: THE OFFICE 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. 6.6 miles, turn right approx. 0.90 miles, turn left onto a lease road before the bend approx. 0.4 miles. The location flag is approx. 400 feet North of the lease road.



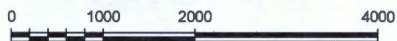
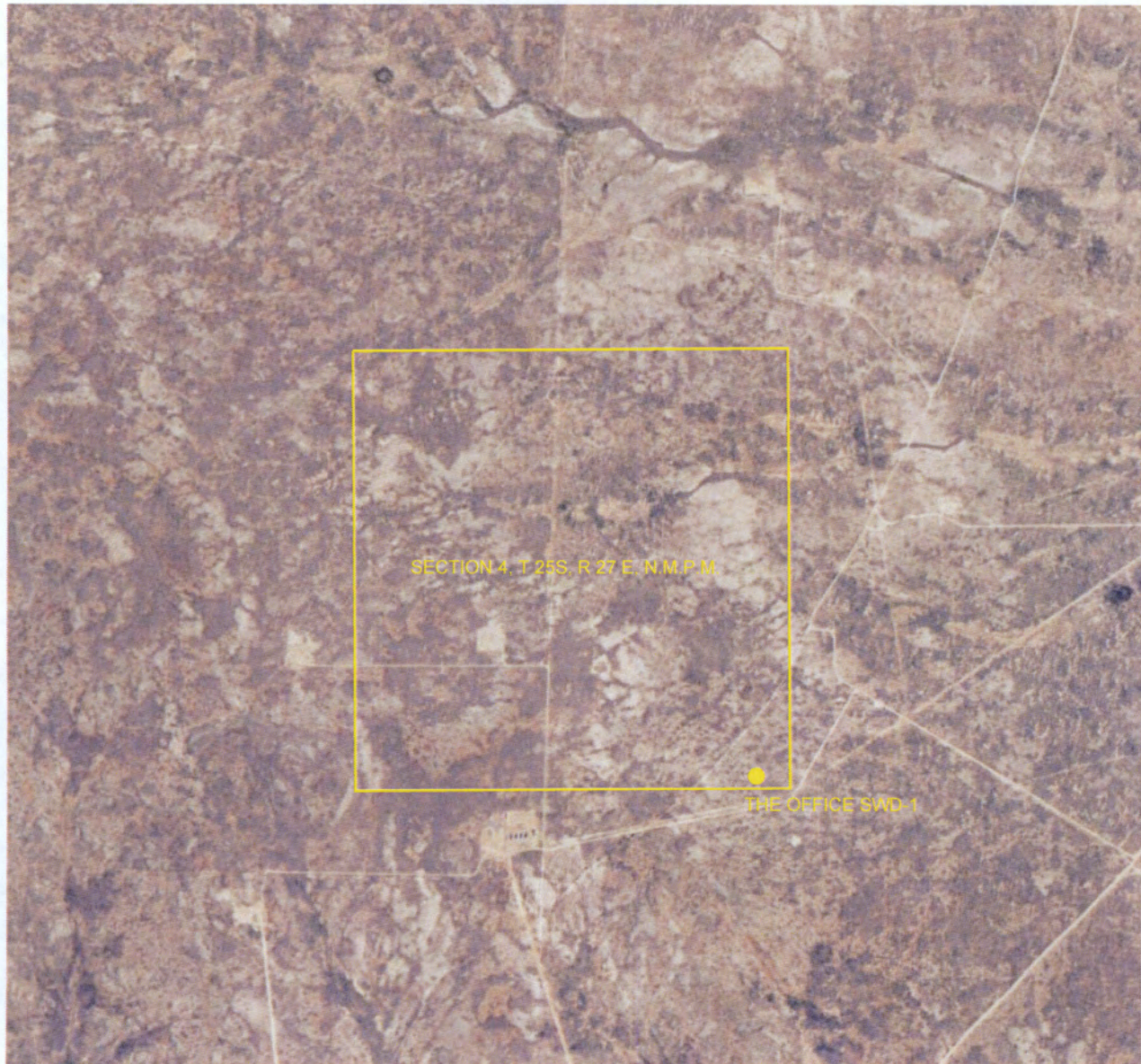
WTC, INC.
405 S.W. 1st Street
Andrews, TX 79714
(432) 523-2181



OILFIELD WATER LOGISTICS

JOB No.: WTC51863

AERIAL MAP



GRAPHIC SCALE 1" = 2000'

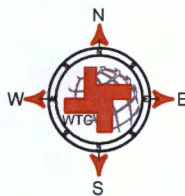
SECTION 4, T 25S, R 27 E, N.M.P.M.

COUNTY: EDDY STATE: NM

DESCRIPTION: 150' FSL & 410' FEL

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W T C, INC.

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



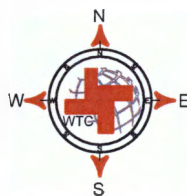
JOB No.: WTC51863

T-25-S
R-27-E

T-25-S
R-28-E



WELL NAME: THE OFFICE SWD-1



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. 6.6 miles, turn right approx. 0.90 miles, turn left onto a lease road before the bend approx. 0.4 miles. The location flag is approx. 400 feet North of the lease road.

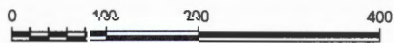
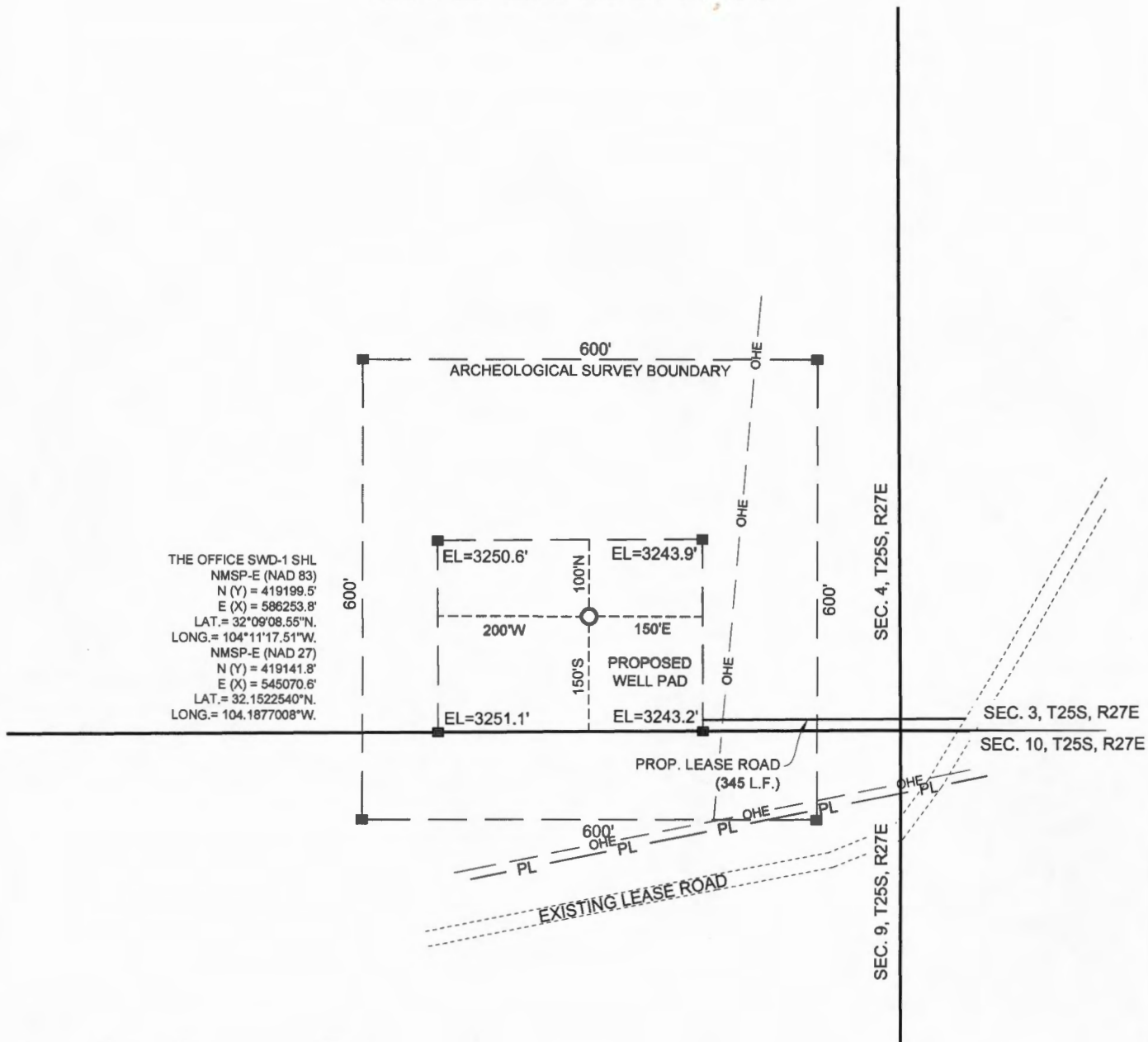


W T C, INC.
405 S.W. 1st Street
Andrews, TX 79714
(432) 523-2181



JOB No.: WTC51863

SITE LOCATION



GRAPHIC SCALE 1" = 200'

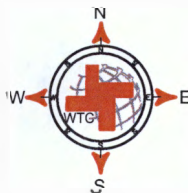
SECTION 4, T 25S, R 27 E, N.M.P.M.

COUNTY: EDDY STATE: NM

DESCRIPTION: 150' FSL & 410' FEL

OPERATOR: OILFIELD WATER LOGISTICS

WELL NAME: THE OFFICE 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. 6.6 miles, turn right approx. 0.90 miles, turn left onto a lease road before the bend approx. 0.4 miles. The location flag is approx. 400 feet North of the lease road.



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



JOB No.: WTC51863

ROAD ROUTE MAP



0 3000 6000 12000

GRAPHIC SCALE 1" = 6000'

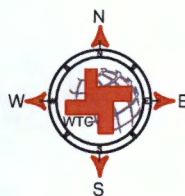
SECTION 4, T 25S, R 27 E, N.M.P.M.

COUNTY: EDDY STATE: NM

DESCRIPTION: 150' FSL & 410' FEL

OPERATOR: OILFIELD WATER LOGISTICS

WELL NAME: THE OFFICE 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. 6.6 miles, turn right approx. 0.90 miles, turn left onto a lease road before the bend approx. 0.4 miles. The location flag is approx. 400 feet North of the lease road.



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



OILFIELD WATER LOGISTICS

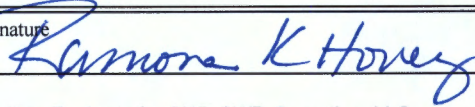
JOB No.: WTC51863

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: ☒ DRILL ☐ REENTER		5. Lease Serial No. NMNM-112917
1b. Type of Well: ☐ Oil Well ☐ Gas Well ☒ Other		6. If Indian, Allottee or Tribe Name
1c. Type of Completion: ☐ Hydraulic Fracturing ☐ Single Zone ☐ 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. The Office SWD No. 1
3a. Address 8214 Westchester Drive, Ste 850, Dallas, TX 75255	3b. Phone No. (include area code) 855-695-7937	9. API Well No. TBD
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface 150 feet from South line and 410 feet from East line At proposed prod. zone Vertical well		10. Field and Pool, or Exploratory Silurian-Devonian
14. Distance in miles and direction from nearest town or post office* 8.6		11. Sec., T. R. M. or Blk. and Survey or Area Sec. 4, T-25S, R-27E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of acres in lease 637.040	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	19. Proposed Depth 14,600'	20. BLM/BIA Bond No. in file
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3,247' MSL	22. Approximate date work will start* As soon as the application is approved	23. Estimated duration 60 days
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) Ramona Hovey	Date 03/28/2019
Title Consulting Engineer for OWL SWD Operating, LLC		
Approved by (Signature)	Name (Printed/Typed)	Date
Title Consulting Engineer for OWL SWD Operating, LLC		

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.

March 28, 2019

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: THE OFFICE 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 The Office SWD No. 1. In addition, Form C-102 and the BLM Form 3160-3 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,



Ramona Hovey
Sr. Petroleum Engineer
Lonquist & Co., LLC

(512) 600-1777
ramona@lonquist.com