

Initial Application Part I

Received 10/10/18

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

RECEIVED: <u>10/10/2018</u>	REVIEWER:	TYPE: <u>SWD</u>	APP NO: <u>PMAM 18284 50192</u>
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ABOVE THIS TABLE FOR OGD 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: OWL SWD Operating, LLC OGRID Number: 308339
 Well Name: Smalls SWD No. 1 API: _____
 Pool: SWD; Silurian-Devonian Pool Code: 97869

**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

OCT 05 2018 AM 10:47

SWD-1775

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

Other:

2) NOTIFICATION REQUIRED TO: Check those which apply.A. ☒ Offset operators or lease holdersB. ☐ Royalty, overriding royalty owners, revenue ownersC. ☒ Application requires published noticeD. ☐ Notification and/or concurrent approval by SLOE. ☐ Notification and/or concurrent approval by BLMF. ☒ Surface ownerG. ☒ 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 Hovey
 Signature

October 4, 2018

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 Hovey TITLE: Consulting Engineer – Agent for OWL SWD Operating, LLC
SIGNATURE: Ramona K. Hovey DATE: October 4, 2018
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, LLC (OGRID 308339)WELL NAME & NUMBER: Smails SWD No. 1WELL LOCATION: 2118' FSL & 222' FEL
FOOTAGE LOCATIONI
UNIT LETTER21
SECTION23 S
TOWNSHIP31 E
RANGEWELLBORE SCHEMATICWELL CONSTRUCTION DATASurface CasingHole Size: 26"Casing Size: 20"Cemented with: 1,830 sksor _____ ft³Top of Cement: surfaceMethod Determined: circulationIntermediate Casing #1Hole Size: 17-1/2"Casing Size: 13-5/8"Cemented with: 3,435 sksor _____ ft³Top of Cement: surfaceMethod Determined: circulationIntermediate Casing #2Hole Size: 12-1/4"Casing Size: 9-5/8"Cemented with: 3,000 sksor _____ ft³Top of Cement: surfaceMethod Determined: circulation

Production Liner

Hole Size: 8-1/2"

Casing Size: 7-5/8"

Cemented with: 320 sks

or _____ ft³

Top of Cement: 12,800'

Method Determined: calculation

Total Depth: 17,490

Injection Interval

16,195 feet to 17,490 feet

(Open Hole)

INJECTION WELL DATA SHEET

Tubing Size: 5.500", 20.0 lb/ft, P-110, BTC from 0'-12,600' & UFJ (or equivalent) from 12,600' – 16,150'

Lining Material: Duoline

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

Packer Setting Depth: 16,150'

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

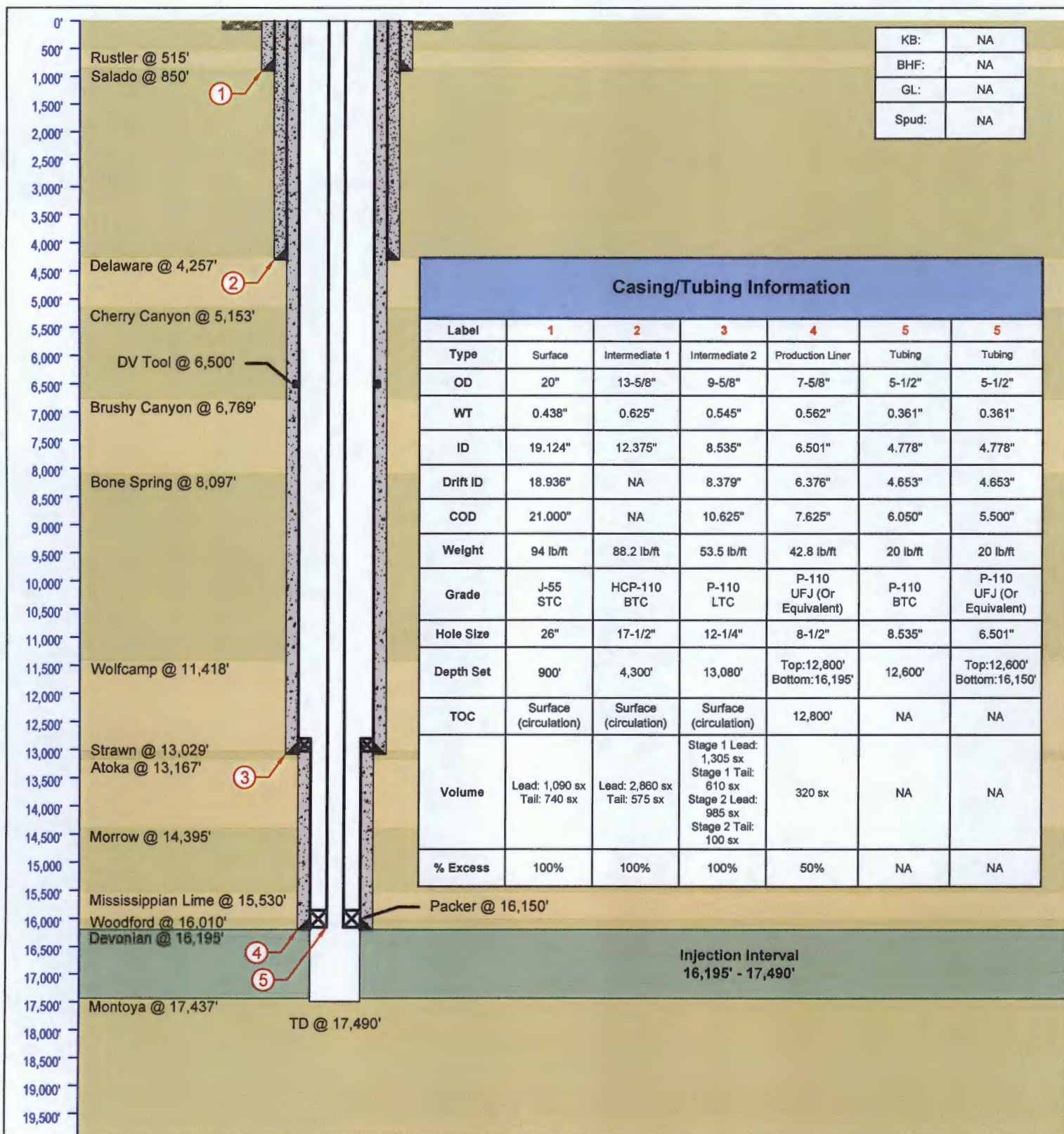
3. Name of Field or Pool (if applicable): _____

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:

Formation	Depth
Delaware	4,257'
Bone Spring	8,097'
Wolfcamp	11,418'
Strawn	13,029'
Atoka	13,167'
Morrow	14,395'



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

Oilfield Water Logistics

Country: USA

Location:

API No: NA

RRC District No:

Drawn: WHG

Rev No: 1

Smails SWD No. 1

State/Province: New Mexico

Site:

Field:

Project No: 1735

Reviewed: RH

Notes:

County/Parish: Eddy

Survey:

Well Type/Status: SWD / New Drill

Date: 10/04/2018

Approved: SLP

OWL SWD Operating, LLC.

Smails SWD No. 1

FORM C-108 Supplemental Information

III. Well Data

A. Wellbore Information

1.

Well information	
Lease Name	Smails SWD
Well No.	1
Location	Unit I S-21 T-23S R-31E
Footage Location	2118' FSL & 222' FEL

2.

a. Wellbore Description

Casing Information				
Type	Surface	Intermediate 1	Intermediate 2	Production
OD	20"	13-5/8"	9-5/8"	7-5/8"
WT	0.438"	0.625"	0.545"	0.562"
ID	19.124"	12.375"	8.535"	6.501"
Drift ID	18.936"	N/A	8.379"	6.376"
COD	21.000"	N/A	10.625"	7.625"
Weight	94 lb/ft	88.2 lb/ft	53.5 lb/ft	42.8 lb/ft
Grade	J-55 STC	HCP-110 STC	P-110 LTC	P-110 UFJ (Or Equivalent)
Hole Size	26"	17-1/2"	12-1/4"	8-1/2"
Depth Set	900'	4,300'	13,080'	12,800'-16,195'

b. Cementing Program

Cement Information				
Casing String	Surface	Intermediate 1	Intermediate 2	Production
Lead Cement	HALCEM C	HALCEM C	Stage 1: NeoCem Stage 2: NeoCem	
Lead Cement Volume	1090 sks	2,860 sks	Stage 1: 1305 sks Stage 2: 985 sks	
Tail Cement	HALCEM C	HALCEM C	Stage 1: NeoCem Stage 2: HalCem	VersaCem H
Tail Cement Volume	740 sks	575 sks	Stage 1: 610 sks Stage 2: 100 sks	320 sks
Cement Excess	100%	100%	100%	50%
TOC	Surface	Surface	Surface	12,600'
Method	Circulate to Surface	Circulate to Surface	Circulate to Surface	Circulate

3. Tubing Description

Tubing		
OD	5-1/2"	5-1/2"
WT	0.361"	0.361"
ID	4.778"	4.778"
Drift ID	4.653"	4.653"
COD	6.050"	5.500"
Weight	20 lb/ft	20 lb/ft
Grade	P-110 BTC	P-110 UFJ (Or Equivalent)
Depth Set	12,600'	12,600'-16,150'

Tubing will be lined with Duoline.

4. Packer Description

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

B. Completion Information

1. Injection Formation: Silurian - Devonian
2. Gross Injection Interval: 16,195' – 17,490'

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	4,257'
Bone Spring	8,097'
Wolfcamp	11,418'
Strawn	13,029'
Atoka	13,167'
Morrow	14,395'

VI. Area of Review

No wells within the one-mile AOR penetrated the proposed injection zone.

VII. Proposed Operation Data

1. Proposed Daily Rate of Fluids to be Injection:

Average Volume: 20,000 BPD
Maximum Volume: 30,000 BPD
2. Closed System
3. Anticipated Injection Pressure:

Average Injection Pressure: 2,430 PSI (surface pressure)
Maximum Injection Pressure: 3,240 PSI (surface pressure)
4. The injection fluid is to be locally produced water. Attached are produced water sample analyses taken from the closest wells that feature samples from the Delaware, Bone Spring, and the Atoka.

5. The injection zone for this well is not productive in this area and the injection well has not been drilled; thus, no sample analysis is available for the Devonian formation.

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 successful Salt Water Disposal horizon.

A. Injection Zone: Devonian Formation

Formation	Depth
Rustler	515'
Salado	850'
Delaware	4,257'
Cherry Canyon	5,153'
Brushy Canyon	6,769'
Bone Spring	8,097'
Wolfcamp	11,418'
Strawn	13,029'
Atoka	13,167'
Morrow	14,395'
Mississippian Lime	15,530'
Woodford	16,010'
Devonian	16,195'
Montoya	17,437'

B. Underground Sources of Drinking Water

There are no water wells that exist in the one-mile surrounding area for the proposed Smalls SWD #1 well. The Rustler may be USDW and will be protected through the top of the Salado Formation at 850' by setting surface casing at 900'.

IX. Proposed Stimulation Program

No proposed stimulation program.

X. Logging and Test Data on the Well

There are no existing 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, per the New Mexico Office of the State Engineer. Thus, no sample analysis was obtained.

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.

This legal notice will appear in the Carlsbad Current Argus on Thursday, October 4, 2018 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 filling Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division for administrative approval for its salt water disposal well Smails SWD No. 1. The proposed well will be located 2118' FSL & 222' FEL in Section 21, Township 23S, Range 31E in Eddy County, New Mexico. Disposal water will be sourced from area production, and will be injected into the Devonian-Silurian Formation (determined by offset log analysis) through an open hole completion between an applied for top of 16,195' feet to a maximum depth of 17,490' feet. The maximum surface injection pressure will not exceed 3,239 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.

C-101 APPLICATION FOR PERMIT TO DRILL

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-101
Revised July 18, 2013

☐ AMENDED REPORT

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

¹ Operator Name and Address OWL SWD Operating, LLC 8214 Westchester Drive, Suite 850, Dallas, TX 75255		² OGRID Number 308339
⁴ Property Code		³ API Number 30-025-
⁵ Property Name Smails SWD		⁶ Well No. 1

⁷ Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
I	21	23S	31E		2118	South	222	East	Eddy

⁸ Proposed Bottom Hole Location

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

⁹ Pool Information

Pool Name SWD; Silurian-Devonian	Pool Code 97869
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Additional Well Information

¹¹ Work Type N	¹² Well Type SWD	¹³ Cable/Rotary R	¹⁴ Lease Type Private	¹⁵ Ground Level Elevation 3,348.42'
¹⁶ Multiple N	¹⁷ Proposed Depth 17,490	¹⁸ Formation Silurian-Devonian	¹⁹ Contractor TBD	²⁰ Spud Date ASAP
Depth to Ground water 850'		Distance from nearest fresh water well 7,426'		Distance to nearest surface water +1 mi

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

²¹ Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	26"	20"	94 lb/ft	900'	1,830 sks	Surface
Intermediate 1	17.5"	13.675"	88.2 lb/ft	4,300'	3,435 sks	Surface
Intermediate 2	12.25"	9.625"	53.5 lb/ft	13,080'	3,000 sks	Surface
Production	8.5"	7.625"	42.8 lb/ft	12,800' - 16,195'	320 sks	12,600'
Tubing	N/A	5.5"	20 lb/ft	0' - 16,150'	N/A	N/A

Casing/Cement Program: Additional Comments

See attached schematic.

²² Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Hydraulic/ Blinds, Pipe	8,000 psi	10,000 psi	TBD (Schaffer/Cameron)

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.
 I further certify that I have complied with 19.15.14.9 (A) NMAC ☐ and/or 19.15.14.9 (B) NMAC ☒, if applicable.
 Signature: *Ramona K Hovey*

OIL CONSERVATION DIVISION

Approved By:

Title:

Approved Date:

Expiration Date:

Printed name: Ramona Hovey

Title: Consulting Engineer- Agent for OWL SWD Operating, LLC

E-mail Address: ramona@lonquist.com

Date: 10/04/2018

Phone: 512-600-1777

Conditions of Approval Attached

C-102 WELL LOCATION PLAT

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazon Road, Artec, NM 87410
District IV
1220 S. St Francis Dr., 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, NM 87505

Form C-102

Revised August 1, 2011

Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code 97869		³ Pool Name SWD; Silurian-Devonian	
⁴ Property Code		⁵ Property Name SMAILS SWD			⁶ Well Number #1
⁷ OGRID No. 308339		⁸ Operator Name OWL SWD OPERATING			⁹ Elevation 3348.42'

¹⁰ Surface Location

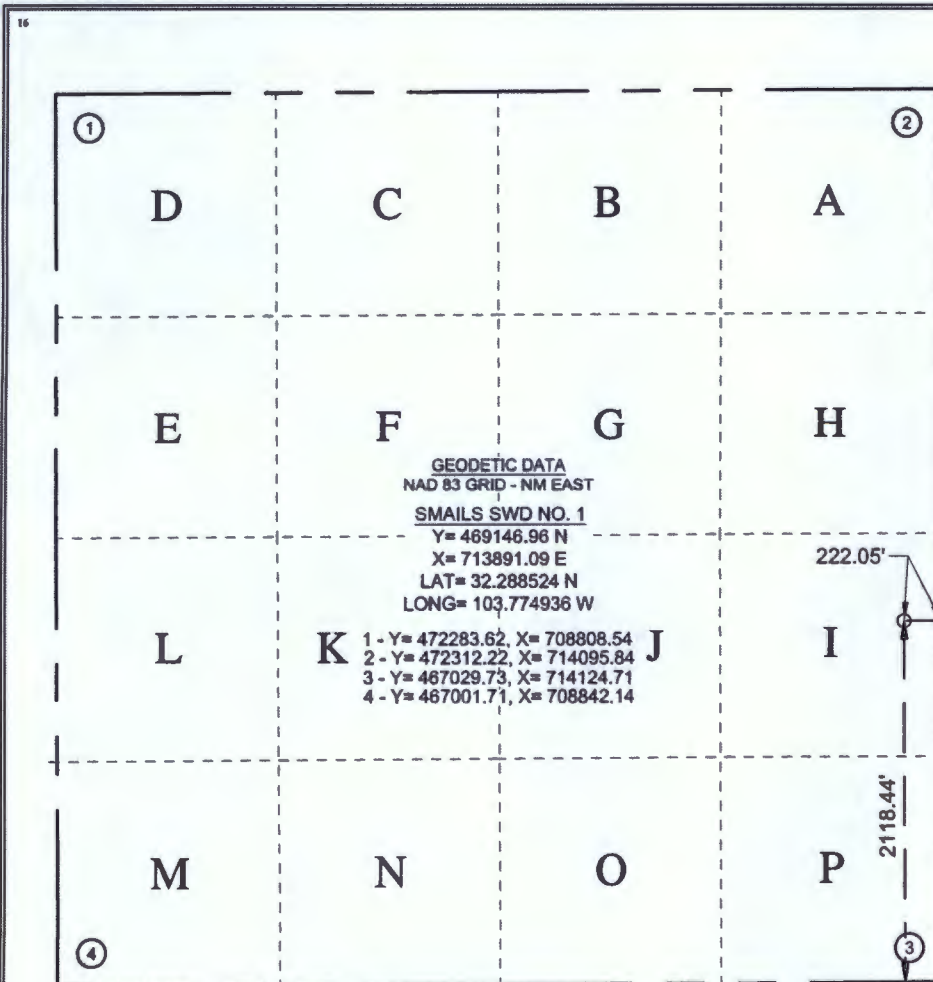
UL or lot no. I	Section 21	Township 23 S	Range 31 E	Lot Idn	Feet from the 2118	North/South line SOUTH	Feet from the 222	East/West line EAST	County EDDY
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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.



¹⁷ 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 a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature *Ramona Hovey* Date *10/4/18*
Printed Name **Ramona Hovey** Date
Email Address **ramona@lonquist.com** Date

¹⁸ SURVEYOR CERTIFICATION

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

Date of Survey *Sept 15, 2018*
Signature and Seal of Professional Surveyor *[Signature]*
Professional Surveyor **20559**

Certificate Number **20559**

McMillan, Michael, EMNRD

From: Ramona Hovey <ramona@lonquist.com>
Sent: Monday, October 15, 2018 1:21 PM
To: McMillan, Michael, EMNRD
Subject: [EXT] FW: Noonan SWD #1 and Smails SWD #1 - Affidavits of Publication
Attachments: Noonan Public Notice.pdf; Smails Public Notice.pdf

Thank you!

Regards,

LONQUIST & CO. LLC



HOUSTON | CALGARY
AUSTIN | WICHITA | DENVER

Ramona Hovey • Sr. Petroleum Engineer • Lonquist & Co., LLC • 12912 Hill Country Blvd., Suite F-200 • Bee Cave, Texas, USA 78738
Direct: 512-600-1777 • Cell: 512-585-0654 • Fax: 512-732-9816 • ramona@lonquist.com • www.lonquist.com

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From: Ramona Hovey
Sent: Wednesday, October 10, 2018 9:41 AM
To: 'McMillan, Michael, EMNRD' <Michael.McMillan@state.nm.us>; Steve Pattee <steve@lonquist.com>; Teresa Rougon <teresa@lonquist.com>
Subject: Noonan SWD #1 and Smails SWD #1 - Affidavits of Publication

Please find the attached affidavits of publication for OWL's Noonan SWD #1 and Smails SWD #1

Regards,

LONQUIST & CO. LLC



HOUSTON | CALGARY
AUSTIN | WICHITA | DENVER

Ramona Hovey • Sr. Petroleum Engineer • Lonquist & Co., LLC • 12912 Hill Country Blvd., Suite F-200 • Bee Cave, Texas, USA 78738
Direct: 512-600-1777 • Cell: 512-585-0654 • Fax: 512-732-9816 • ramona@lonquist.com • www.lonquist.com

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CARLSBAD
CURRENT-ARGUS

AFFIDAVIT OF PUBLICATION

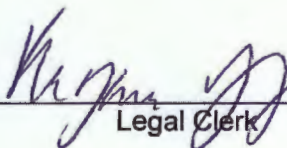
Ad No.
0001264008

LONQUIST & CO., LLC
8550 UNITED PLAZA BLVD., SUITE 702

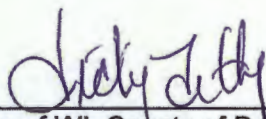
BATON ROUGE LA 70809

I, a legal clerk 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:

10/04/18


Legal Clerk

Subscribed and sworn before me this
4th of October 2018.


State of WI, County of Brown
NOTARY PUBLIC


My Commission Expires

Legal Notice
OWL SWD Operating,
LLC, 8214 Westches-
ter Dr., Suite 850, Dal-
las, Texas 75255, is
filling Form C-108
(Application for Au-
thorization to Inject)
with the New Mexico
Oil Conservation Divi-
sion for administrative
approval for its salt
water disposal well
Smalls SWD No. 1. The
proposed well will be
located 2118' FSL &
222' FEL in Section 21,
Township 23S, Range
31E in Eddy County,
New Mexico. Disposal
water will be sourced
from area production,
and will be injected in-
to the Devonian-
Silurian Formation
(determined by offset
log analysis) through
an open hole comple-
tion between an ap-
plied for top of 16,195'
feet to a maximum
depth of 17,437' feet.
The maximum surface
injection pressure will
not exceed 3,239 psi
with a maximum rate
of 30,000 BWPD. In-
terested parties op-
posing the action
must file objections or
requests for hearing
with the Oil Conserva-
tion Division, 1220
South St. Francis
Drive, Santa Fe, New
Mexico 87505, within
15 days. Additional in-
formation can be ob-
tained from the appli-
cant's agent, Lonquist
& Co., LLC, at (512)
600-1774.
October 4, 2018



USPS Tracking®

FAQs > (<https://www.usps.com/faqs/uspstracking-faqs.htm>)

Track Another Package +

Tracking Number: 7017145000225322045

Remove X

Your item was delivered to an individual at the address at 1:27 pm on October 9, 2018 in SPRING, TX 77389.

✓ Delivered

October 9, 2018 at 1:27 pm
Delivered, Left with Individual
SPRING, TX 77389

Get Updates ▾

Text & Email Updates ▾

Tracking History ▾

Product Information ▾

See Less ^

Tracking Number: 7017145000225321970

Remove X

Your item was delivered at 9:19 am on October 15, 2018 in OKLAHOMA CITY, OK 73102.

✓ Delivered

October 15, 2018 at 9:19 am
Delivered
OKLAHOMA CITY, OK 73102

Get Updates ▾

See More ▾

Tracking Number: 7017145000225322007

Remove X

Your item was picked up at a postal facility at 8:33 am on October 11, 2018 in TULSA, OK 74103.

✓ Delivered

October 11, 2018 at 8:33 am
Delivered, Individual Picked Up at Postal Facility
TULSA, OK 74103

Get Updates ▾

See More ▾

Tracking Number: 7017145000225322021

Remove X

Your item has been delivered to an agent at 5:59 am on October 11, 2018 in HOUSTON, TX 77227.

✓ Delivered

October 11, 2018 at 5:59 am
Delivered, To Agent
HOUSTON, TX 77227

Get Updates ▾

Feedback

[See More](#) ▼

Tracking Number: 70171450000225321994

[Remove](#) X

Expected Delivery on

THURSDAY

11

OCTOBER
2018 ⓘ[See Product Information](#) ▼ **Delivered**October 11, 2018 at 4:05 pm
Delivered
HOUSTON, TX 77002[Get Updates](#) ▼[See More](#) ▼

Tracking Number: 70171450000225321987

[Remove](#) X

Expected Delivery on

TUESDAY

9

OCTOBER
2018 ⓘ[See Product Information](#) ▼ **Delivered**October 9, 2018 at 8:08 am
Delivered
OKLAHOMA CITY, OK 73102[Get Updates](#) ▼[See More](#) ▼

Tracking Number: 70171450000225322014

[Remove](#) X

Expected Delivery on

TUESDAY

9

OCTOBER
2018 ⓘ[See Product Information](#) ▼ **Delivered**October 9, 2018 at 8:23 am
Delivered, Left with Individual
ARTESIA, NM 88210[Get Updates](#) ▼[See More](#) ▼

Tracking Number: 70171450000225322038

[Remove](#) X

Your item has been delivered to an agent at 4:10 am on October 10, 2018 in HOUSTON, TX 77210.

 **Delivered**October 10, 2018 at 4:10 am
Delivered, To Agent
HOUSTON, TX 77210[Get Updates](#) ▼

Feedback

[See More](#) ▼**Can't find what you're looking for?**Go to our [FAQs](#) section to find answers to your tracking questions.[FAQs \(https://www.usps.com/faqs/usps-tracking-faqs.htm\)](https://www.usps.com/faqs/usps-tracking-faqs.htm)**The easiest tracking number is the one you don't have to know.**

With Informed Delivery®, you never have to type in another tracking number. Sign up to:

- See Images* of incoming mail.
- Automatically track the packages you're expecting.
- Set up email and text alerts so you don't need to enter tracking numbers.
- Enter USPS Delivery Instructions™ for your mail carrier.

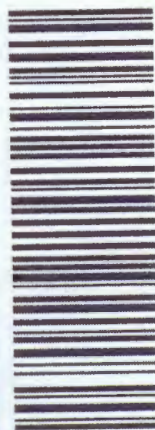
Sign Uphttps://reg.usps.com/entreg/RegistrationAction_input?

*NOTE: Black and white (grayscale) images show the outside, front of letter-sized envelopes and flat mailpieces that are processed through USPS automated equipment.

Feedback

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

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7017 1450 0002 2532 2038
7017 1450 0002 2532 2038

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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

Postmark
Here

1735
Smalls SWD #1
Owl
Edy
City
NM

OXY USA, Inc.
P. O. Box 4294
Houston, Texas 77210

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

See Reverse for Instructions

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

OXY USA, Inc.
P. O. Box 4294
Houston, Texas 77210



9590 9402 3572 7305 4560 14

2. Article Number (Transfer from service label)

7017 1450 0002 2532 2038

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature ☐ 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

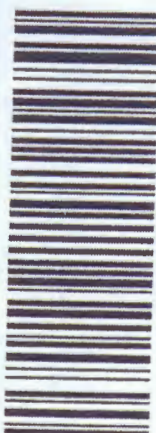
1735 Smalls SWD #1 Owl

3. Service Type ☐ Priority Mail Express®
☐ Adult Signature ☐ Registered Mail™
☐ Adult Signature Restricted Delivery ☐ Registered Mail Restricted Delivery
☐ Certified Mail® ☐ Return Receipt for Merchandise
☐ Certified Mail Restricted Delivery ☐ Signature Confirmation™
☐ Collect on Delivery ☐ Signature Confirmation Restricted Delivery
☐ Collect on Delivery Restricted Delivery

Domestic Return Receipt

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

CERTIFIED MAIL



7017 1450 0002 2532 2045
7017 1450 0002 2532 2045

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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

Postmark
Here

1735
Smalls SWD #1
Owl
Edy
City
NM

XTO Holdings, LLC
22777 Springwoods
Village Pkwy
Spring, TX 77389

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

See Reverse for Instructions

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

XTO Holdings, LLC
22777 Springwoods
Village Pkwy
Spring, TX 77389



9590 9402 3572 7305 4560 21

2. Article Number (Transfer from service label)

7017 1450 0002 2532 2045

COMPLETE THIS SECTION ON DELIVERY

A. Signature ☐ 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

1735 SWD #1 Smalls Owl

3. Service Type ☐ Priority Mail Express®
☐ Adult Signature ☐ Registered Mail™
☐ Adult Signature Restricted Delivery ☐ Registered Mail Restricted Delivery
☐ Certified Mail® ☐ Return Receipt for Merchandise
☐ Certified Mail Restricted Delivery ☐ Signature Confirmation™
☐ Collect on Delivery ☐ Signature Confirmation Restricted Delivery
☐ Collect on Delivery Restricted Delivery

PLACE STICKER AT TOP OF ENVELOPE, FOLD AT DOTTED LINE

CERTIFIED MAIL

7017 1450 0002 2532 2014
7017 1450 0002 2532 2014

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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 \$

Postmark Here
1735
Smalls SWD #1
Oul
Edy
City
NM

Postage \$
Tot \$
Sei \$
Sin \$
City

EOG Resources, Inc.
104 S.4th Street
Artesia, NM 88210

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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.
104 S.4th Street
Artesia, NM 88210

9590 9402 3572 7305 4559 94

2. Article Number (Transfer from service label)
7017 1450 0002 2532 2014

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

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

1735 Smalls SWD #1

3. Service Type
☐ Adult Signature ☐ Priority Mail Express®
☐ Adult Signature Restricted Delivery ☐ Registered Mail™
☐ Certified Mail® ☐ Registered Mail Restricted Delivery
☐ Certified Mail Restricted Delivery ☐ Return Receipt for Merchandise
☐ Collect on Delivery ☐ Signature Confirmation™
☐ Collect on Delivery Restricted Delivery ☐ Signature Confirmation Restricted Delivery

Domestic Return Receipt

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

CERTIFIED MAIL

7017 1450 0002 2532 2021
7017 1450 0002 2532 2021

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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 \$

Postmark Here
1735
Smalls SWD #1
Oul
Edy
City
NM

Postage \$

OXY USA, Inc.
P. O. Box 27570
Houston, Texas 77227

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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:

OXY USA, Inc.
P. O. Box 27570
Houston, Texas 77227

9590 9402 3572 7305 4560 07

2. Article Number (Transfer from service label)
7017 1450 0002 2532 2021

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

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

1735 SWD #1 - Smalls Oul

3. Service Type
☐ Adult Signature ☐ Priority Mail Express®
☐ Adult Signature Restricted Delivery ☐ Registered Mail™
☐ Certified Mail® ☐ Registered Mail Restricted Delivery
☐ Certified Mail Restricted Delivery ☐ Return Receipt for Merchandise
☐ Collect on Delivery ☐ Signature Confirmation™
☐ Collect on Delivery Restricted Delivery ☐ Signature Confirmation Restricted Delivery

Domestic Return Receipt

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

CERTIFIED MAIL®



7017 1450 0002 2532 1994
7017 1450 0002 2532 1994

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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

Postmark
Here

1735

Smalls Sub #1
owl
Edy
city
NA

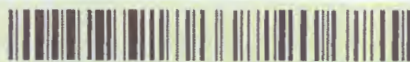
EOG Resources, Inc.
333 Clay Street, #4200
Houston, Texas 77002

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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.

EOG Resources, Inc.
333 Clay Street, #4200
Houston, Texas 77002



9590 9402 3572 7305 4559 70

2 Article Number (Transfer from service label)

7017 1450 0002 2532 1994

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature ☐ 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 ☐ Priority Mail Express®
☐ Adult Signature ☐ Registered Mail™
☐ Adult Signature Restricted Delivery ☐ Registered Mail Restricted Delivery
☐ Certified Mail® ☐ Return Receipt for Merchandise
☐ Certified Mail Restricted Delivery ☐ Signature Confirmation™
☐ Collect on Delivery ☐ Signature Confirmation Restricted Delivery
☐ Collect on Delivery Restricted Delivery ☐ Mail Restricted Delivery

Domestic Return Receipt

1735 *Smalls Sub #1 - owl Edy*
NA

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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

Postmark
Here

1735

Smalls Sub #1
owl
Edy
city
NA

Kaiser Francis Oil
P. O. Box 21463
Tulsa, Oklahoma 74121

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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.

Kaiser Francis Oil
P. O. Box 21463
Tulsa, Oklahoma 74121



9590 9402 3572 7305 4559 87

2. Article Number (Transfer from service label)

7017 1450 0002 2532 2007

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature ☐ 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

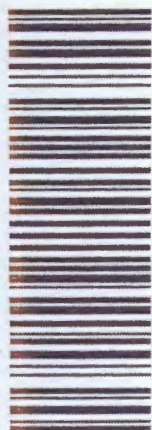
3. Service Type ☐ Priority Mail Express®
☐ Adult Signature ☐ Registered Mail™
☐ Adult Signature Restricted Delivery ☐ Registered Mail Restricted Delivery
☐ Certified Mail® ☐ Return Receipt for Merchandise
☐ Certified Mail Restricted Delivery ☐ Signature Confirmation™
☐ Collect on Delivery ☐ Signature Confirmation Restricted Delivery
☐ Collect on Delivery Restricted Delivery ☐ Mail Restricted Delivery

Domestic Return Receipt

1735 *Smalls Sub #1 - owl Edy*
city
NA

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

CERTIFIED MAIL®



7017 1450 0002 2532 1970
7017 1450 0002 2532 1970

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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 \$

Postmark
Here

Postage

1735
Smals n SWD #1

Devon Energy Prod., Co., LP
333 W Sheridan Avenue
Oklahoma City, OK 73102

Owl
Edy City

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

See Reverse for Instructions

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.

Devon Energy Prod., Co., LP
333 W Sheridan Avenue
Oklahoma City, OK 73102



9590 9402 3572 7305 4559 56

2. Article Number (Transfer from service label)

7017 1450 0002 2532 1970

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

1735 Smals n SWD #1 - Owl Edy

3. Service Type

- ☐ Adult Signature
☐ Adult Signature Restricted Delivery
☐ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery

- ☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Return Receipt for Merchandise
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

all Restricted Delivery

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

Domestic Return Receipt

**U.S. Postal Service™
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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 \$

Postmark
Here

Postage

1735
Smals. SWD #1

Devon Energy Prod., Co., LP
20 N Broadway
Oklahoma City, OK 73102

Owl
Edy City
NM

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

See Reverse for Instructions

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.

Devon Energy Prod., Co., LP
20 N Broadway
Oklahoma City, OK 73102



9590 9402 3572 7305 4559 63

2. Article Number (Transfer from service label)

7017 1450 0002 2532 1987

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

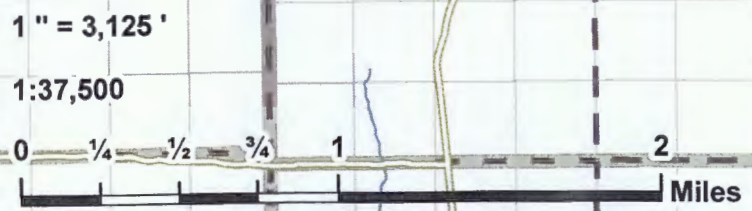
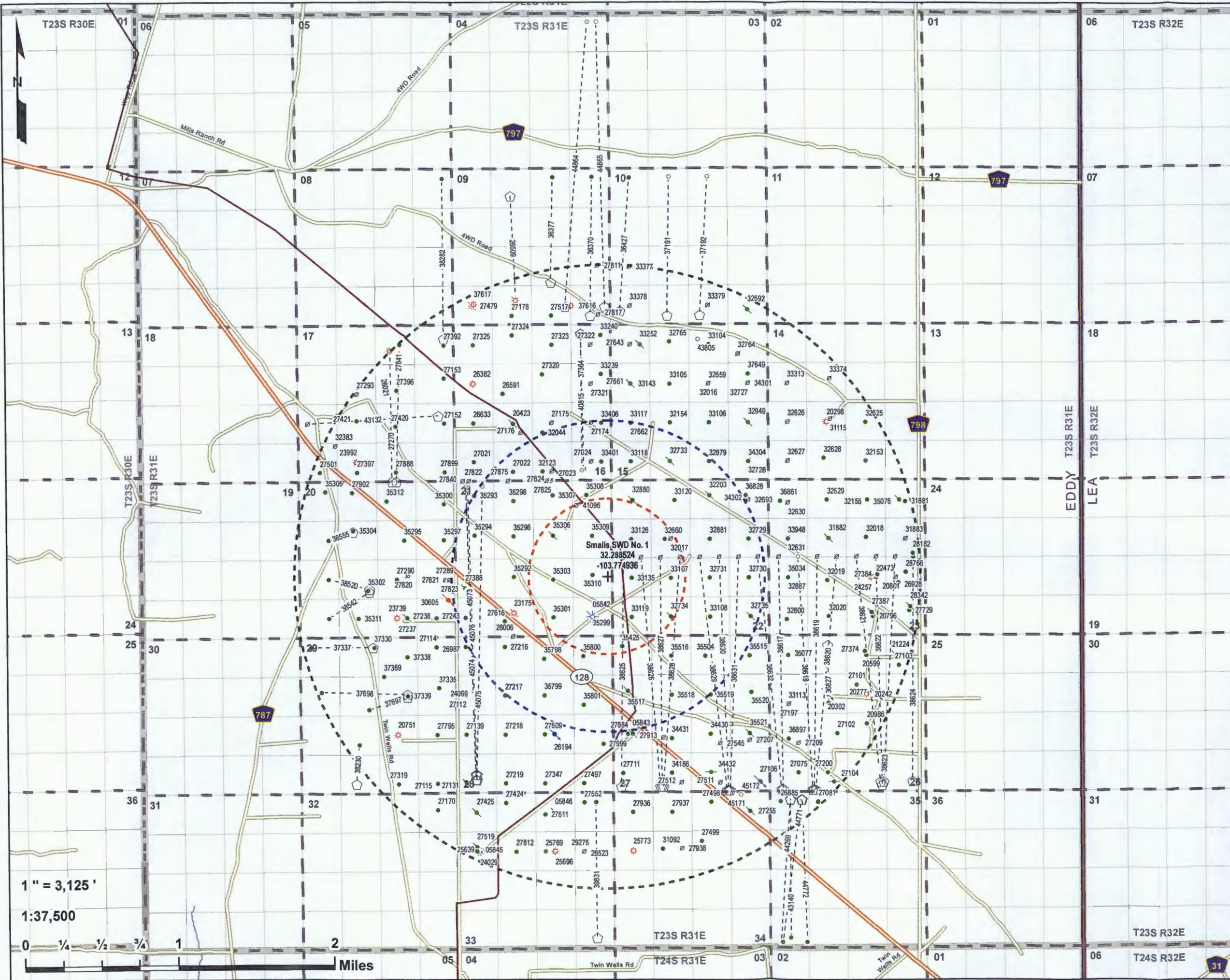
1735 Smals SWD #1 - Owl NM Edy City

3. Service Type

- ☐ Adult Signature
☐ Adult Signature Restricted Delivery
☐ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery

- ☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Return Receipt for Merchandise
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

Restricted Delivery



Smails 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: 9/6/2018 Approved by: ELR

LONGUIST & CO. LLC

PETROLEUM
ENGINEERS

ENERGY
ADVISORS

AUSTIN · HOUSTON · WICHITA · DENVER · CALGARY

+ Smails SWD No. 1

— XTO Gathering Line

○ 1/2 Mile Radius

○ 1 Mile Radius

○ 2 Mile Radius

□ QQ-Section (NM-PLSS 2nd Div.)

□ Section (NM-PLSS 1st Div.)

□ Township/Range (NM-PLSS)

□ County Boundary

--- Laterals

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

- Horizontal Surface Location (48)
- Active - Oil (156)
- ★** Active - Gas (11)
- ⚡** Active - Salt Water Disposal (4)
- ⚡** Active - Injection (1)
- Permitted - Oil (2)
- ★** Permitted - Gas (1)
- Permitted - Salt Water Disposal (1)
- ⊘** Canceled Location (55)
- ⚡** Plugged (Site Released) - Oil (28)
- ★** Plugged (Site Released) - Gas (2)
- ⚡** Plugged (Site Released) - Salt Water Disposal (1)
- Shut In - Oil (2)

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

- Active - Oil (20)
- ★** Active - Gas (2)
- ⊘** Canceled Location (15)
- Permitted - Oil (10)
- ★** Plugged (Site Released) - Gas (1)

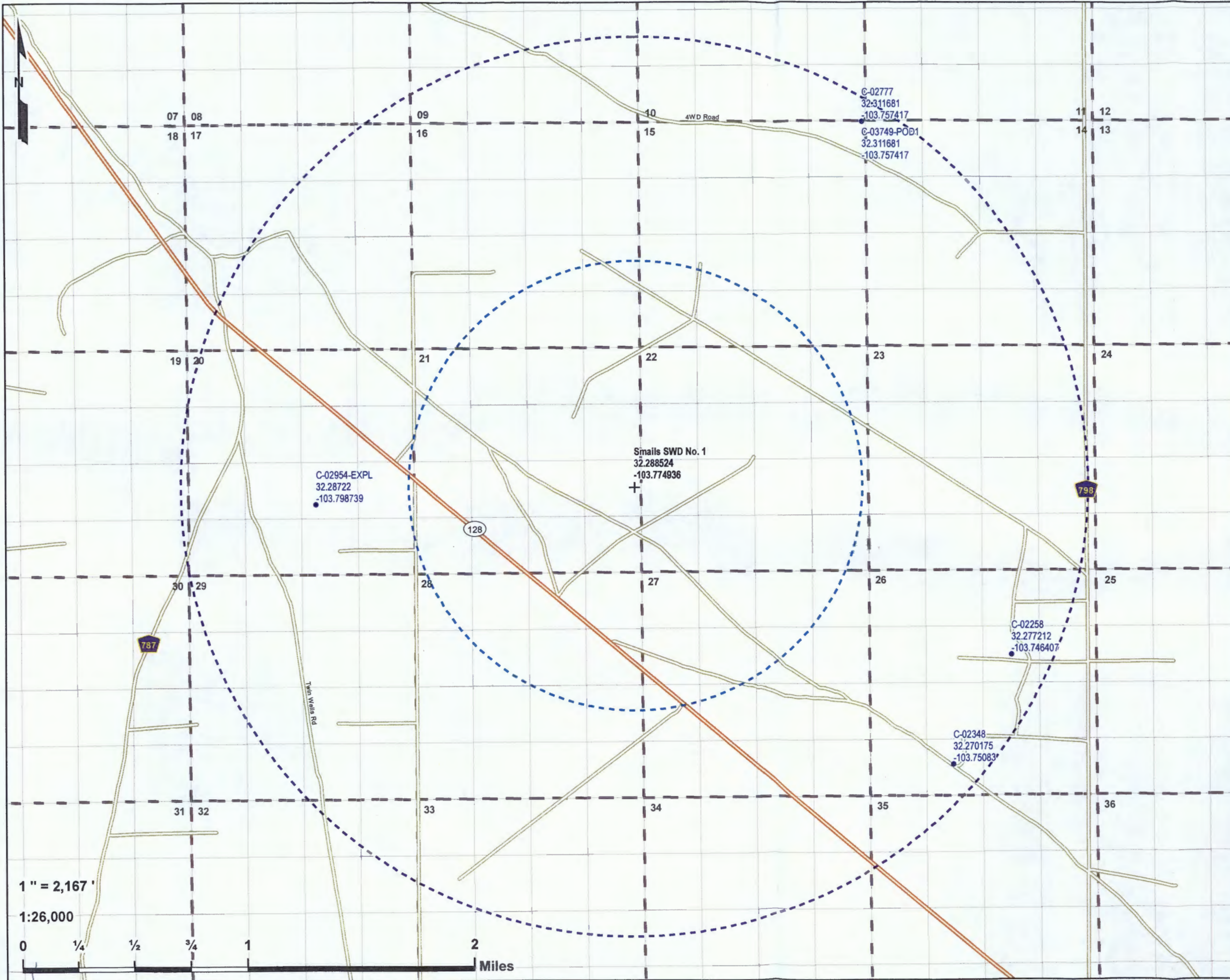
Source: Well SHL/BHL/Directional Data - NM-OCD/DrillingInfo (2018)

Smails 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)	DATE DRILLED
05842	MUSE FEDERAL #014	S	P	KAISER-FRANCIS OIL CO	4362	32.28446960000	-103.77635190000	6/8/1962
23175	PURE GOLD A FEDERAL #001	G	P	OXY USA INC	14967	32.2848625000	-103.784912100	8/12/1980
27022	MEDANO VA STATE #006	O	A	EOG Y RESOURCES, INC.	8122	32.29808040000	-103.78492740000	6/16/1993
27023	MEDANO VA STATE #007	O	C	EOG Y RESOURCES, INC.	0	32.29808128310	-103.78067078300	12/31/9999
27024	MEDANO VA STATE #008	O	C	EOG Y RESOURCES, INC.	0	32.29898445310	-103.77637857100	12/31/9999
27174	MEDANO VA STATE #009	O	C	EOG Y RESOURCES, INC.	0	32.30261292090	-103.77638141900	12/31/9999
27216	PURE GOLD D FEDERAL #005	O	A	OXY USA INC	8140	32.2817574000	-103.785972600	12/26/1992
27243	PURE GOLD A FEDERAL #002	O	A	OXY USA INC	99999	32.2844810000	-103.790245100	1/12/1993
27388	PURE GOLD A FEDERAL #004	O	P	OXY USA INC	99999	32.2872047000	-103.790252700	5/5/1993
27616	PURE GOLD A FEDERAL #003	O	A	OXY USA INC	8120	32.2841225000	-103.785972600	10/16/1993
27662	TODD 15 L FEDERAL #012	O	C	DEVON ENERGY PRODUCTION COMPANY, LP	99999	32.3026097228	-103.772088496	12/31/9999
27824	PURE GOLD A FEDERAL #013	O	C	KAISER-FRANCIS OIL CO	99999	32.2972017875	-103.780816443	12/31/9999
27825	PURE GOLD A FEDERAL #014	O	C	KAISER-FRANCIS OIL CO	99999	32.29720218610	-103.78125549200	12/31/9999
27875	PURE GOLD A FEDERAL #010	O	C	KAISER-FRANCIS OIL CO	0	32.2972060848	-103.785480553	12/31/9999
28006	PURE GOLD A FEDERAL #008	O	C	KAISER-FRANCIS OIL CO	0	32.28269509020	-103.78502181400	12/31/9999
32017	TODD 22 F FEDERAL #006	O	C	DEVON ENERGY PRODUCTION COMPANY, LP	0	32.2917218176	-103.767787444	12/31/9999
32123	MEDANO VA STATE #007Q	O	A	EOG Y RESOURCES, INC.	8150	32.29807660000	-103.78170780000	7/9/2003
32203	TODD 22 B FEDERAL #002	O	P	DEVON ENERGY PRODUCTION COMPANY, LP	8375	32.2957573000	-103.763542200	5/26/2003
32660	TODD 22 F FEDERAL #006	O	A	DEVON ENERGY PRODUCTION COMPANY, LP	8350	32.2917175000	-103.768463100	8/8/2003
32729	TODD 22 H FEDERAL #008	O	A	DEVON ENERGY PRODUCTION COMPANY, LP	8375	32.2917099000	-103.759269700	10/7/2003
32730	TODD 22 I FEDERAL #009	O	A	DEVON ENERGY PRODUCTION COMPANY, LP	8252	32.2880936000	-103.759262100	1/11/2005
32731	TODD 22 J FEDERAL #010	O	A	DEVON ENERGY PRODUCTION COMPANY, LP	8275	32.2880936000	-103.763534500	3/20/2004
32733	TODD 15 N FEDERAL #014	O	P	DEVON ENERGY PRODUCTION COMPANY, LP	8375	32.2989731000	-103.767822300	8/27/2003
32734	TODD 22 N FEDERAL #014	O	P	DEVON ENERGY PRODUCTION COMPANY, LP	8275	32.2844658000	-103.767814600	11/8/2003
32735	TODD 22 P FEDERAL #016	O	P	DEVON ENERGY PRODUCTION COMPANY, LP	8380	32.2844658000	-103.759101900	7/14/2004
32879	TODD 15 O FEDERAL #015	O	A	DEVON ENERGY PRODUCTION COMPANY, LP	8300	32.2989731000	-103.763542200	8/2/2004
32880	TODD 22 D FEDERAL #004	O	P	DEVON ENERGY PRODUCTION COMPANY, LP	8300	32.29534910000	-103.77193450000	11/26/2003
32881	TODD 22 G FEDERAL #007	O	A	DEVON ENERGY PRODUCTION COMPANY, LP	8295	32.2917137000	-103.763542200	9/5/2004
33107	TODD 22 K FEDERAL #011	O	A	DEVON ENERGY PRODUCTION COMPANY, LP	8225	32.2880974000	-103.767814600	12/23/2004
33108	TODD 22 O FEDERAL #015	O	A	DEVON ENERGY PRODUCTION COMPANY, LP	8250	32.2844658000	-103.763534500	4/28/2005
33117	TODD 15 L FEDERAL #012Q	O	A	DEVON ENERGY PRODUCTION COMPANY, LP	8250	32.3026047000	-103.772094700	10/13/2004
33118	TODD 15 M FEDERAL #013	O	A	DEVON ENERGY PRODUCTION COMPANY, LP	8225	32.29897690000	-103.77209470000	8/19/2004
33119	TODD 22 M FEDERAL #013	O	A	DEVON ENERGY PRODUCTION COMPANY, LP	8200	32.2844696000	-103.772087100	9/24/2004
33120	TODD 22 C FEDERAL #003	O	A	DEVON ENERGY PRODUCTION COMPANY, LP	8250	32.2953453000	-103.767334000	12/13/2003
33126	TODD 22 E FEDERAL #005	O	A	DEVON ENERGY PRODUCTION COMPANY, LP	8202	32.2917175000	-103.772087100	11/21/2004
33135	TODD 22 L FEDERAL #012	O	A	DEVON ENERGY PRODUCTION COMPANY, LP	8200	32.2880974000	-103.772087100	4/27/2004
33401	MEDANO VA STATE #008	O	A	EOG Y RESOURCES, INC.	8200	32.29898070000	-103.77529910000	10/10/2004
33406	MEDANO VA STATE #009	O	A	EOG Y RESOURCES, INC.	8200	32.30260850000	-103.77530670000	6/6/2004
35292	PURE GOLD A FEDERAL #005	O	A	OXY USA INC	8150	32.2882729000	-103.784912100	8/24/2007
35293	PURE GOLD A FEDERAL #006	O	A	OXY USA INC	8136	32.2958603000	-103.789199800	4/15/2007
35294	PURE GOLD A FEDERAL #007	O	A	OXY USA INC	8140	32.2921486000	-103.789192200	8/6/2007
35296	PURE GOLD A FEDERAL #008	O	A	OXY USA INC	8174	32.2920609000	-103.784919700	2/10/2007
35298	PURE GOLD A FEDERAL #009	O	A	OXY USA INC	8175	32.2953606000	-103.784919700	7/26/2007
35299	PURE GOLD A FEDERAL #010	O	A	OXY USA INC	8200	32.2847443000	-103.776359600	4/1/2008
35301	PURE GOLD A FEDERAL #011	O	A	OXY USA INC	8150	32.2844734000	-103.780624400	7/29/2007
35303	PURE GOLD A FEDERAL #012	O	A	OXY USA INC	8151	32.2879944000	-103.780632000	4/1/2008

Smails SWD No. 1
1 Mile Area of Review List

35306	PURE GOLD A FEDERAL #013	O	P	OXY USA INC	8195	32.2920570000	-103.780632000	8/12/2007
35307	PURE GOLD A FEDERAL #014	O	A	OXY USA INC	8150	32.2958488000	-103.780639600	5/19/2008
35308	PURE GOLD A FEDERAL #015	O	A	OXY USA INC	8261	32.2958450000	-103.776947000	3/3/2007
35309	PURE GOLD A FEDERAL #016	O	A	OXY USA INC	8240	32.2920532000	-103.776359600	3/11/2007
35310	PURE GOLD A FEDERAL #017	O	A	OXY USA INC	8200	32.2884026000	-103.776359600	3/13/2008
35425	TODD 27 D FEDERAL #004	O	A	DEVON ENERGY PRODUCTION COMPANY, LP	8300	32.2817459000	-103.773147600	3/21/2007
35504	TODD 27 B FEDERAL #002	O	A	DEVON ENERGY PRODUCTION COMPANY, LP	8350	32.2808380000	-103.764053300	4/11/2007
35516	TODD 27 C FEDERAL #003	O	A	DEVON ENERGY PRODUCTION COMPANY, LP	8516	32.2808380000	-103.767807000	10/7/2007
35517	TODD 27 E FEDERAL #005	O	P	DEVON ENERGY PRODUCTION COMPANY, LP	8465	32.2775688000	-103.772598300	11/3/2007
35518	TODD 27 F FEDERAL #006	O	A	DEVON ENERGY PRODUCTION COMPANY, LP	8250	32.2772102000	-103.767807000	5/6/2007
35798	Pure Gold D Fed #009	O	A	OXY USA INC	8127	32.2806244000	-103.781692500	7/17/2009
35799	Pure Gold D Fed #010	O	A	OXY USA INC	8109	32.2772179000	-103.781684900	7/29/2009
35800	Pure Gold D Fed #013	O	A	OXY USA INC	8120	32.2808418000	-103.777420000	9/2/2009
35801	Pure Gold D Fed #014	O	A	OXY USA INC	8300	32.2763062000	-103.777412400	7/1/2009
37364	MEDANO VA STATE #018E	O	C	EOG Y RESOURCES, INC.	0	32.31090663840	-103.77746098000	12/31/9999
38625	ALDABRA 27 FEDERAL #001H	O	A	DEVON ENERGY PRODUCTION COMPANY, LP	0	32.2686996000	-103.773315400	12/25/2013
38626	ALDABRA 27 FEDERAL COM #002H	O	C	DEVON ENERGY PRODUCTION COMPANY, LP	0	32.2686996000	-103.769027700	12/31/9999
38627	ALDABRA 27 FEDERAL COM #003H	O	C	DEVON ENERGY PRODUCTION COMPANY, LP	0	32.2686996000	-103.768867500	12/31/9999
38628	ALDABRA 27 FEDERAL COM #004H	O	C	DEVON ENERGY PRODUCTION COMPANY, LP	0	32.2686996000	-103.768707300	12/31/9999
38629	ALDABRA 27 FEDERAL COM #005H	O	C	DEVON ENERGY PRODUCTION COMPANY, LP	0	32.26832580000	-103.76174160000	12/31/9999
38630	ALDABRA 27 FEDERAL COM #006H	O	C	DEVON ENERGY PRODUCTION COMPANY, LP	0	32.2683258000	-103.761581400	12/31/9999
38631	ALDABRA 27 FEDERAL COM #007H	O	C	DEVON ENERGY PRODUCTION COMPANY, LP	0	32.2683258000	-103.761421200	12/31/9999
38632	ALDABRA 27 FEDERAL COM #008H	O	C	DEVON ENERGY PRODUCTION COMPANY, LP	0	32.26837540000	-103.75576020000	12/31/9999
40815	MEDANO VA STATE #018H	O	N	EOG Y RESOURCES, INC.	0	32.31090160000	-103.77744290000	12/31/9999
41096	PURE GOLD 21 FEDERAL SWD #001	S	C	OXY USA INC	0	32.2948875000	-103.778030400	12/31/9999
45073	IRIDIUM MDP1 28 21 FEDERAL COM #011H	O	N	OXY USA INC	0	32.2693919000	-103.789196000	7/21/2018
45074	IRIDIUM MDP1 28 21 FEDERAL COM #021H	O	N	OXY USA INC	0	32.2698566000	-103.789196900	12/31/9999
45075	IRIDIUM MDP1 28 21 FEDERAL COM #041H	O	N	OXY USA INC	0	32.2698567000	-103.789083600	12/31/9999
45076	IRIDIUM MDP1 28 21 FEDERAL COM #171H	O	N	OXY USA INC	0	32.2693619000	-103.789082800	7/20/2018



Smalls SWD No. 1
Water Wells within 2 Miles
Oilfield Water Logistics
Eddy County, NM

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

Drawn by: SJL Date: 9/6/2018 Approved by: ELR

LONQUIST & CO. LLC

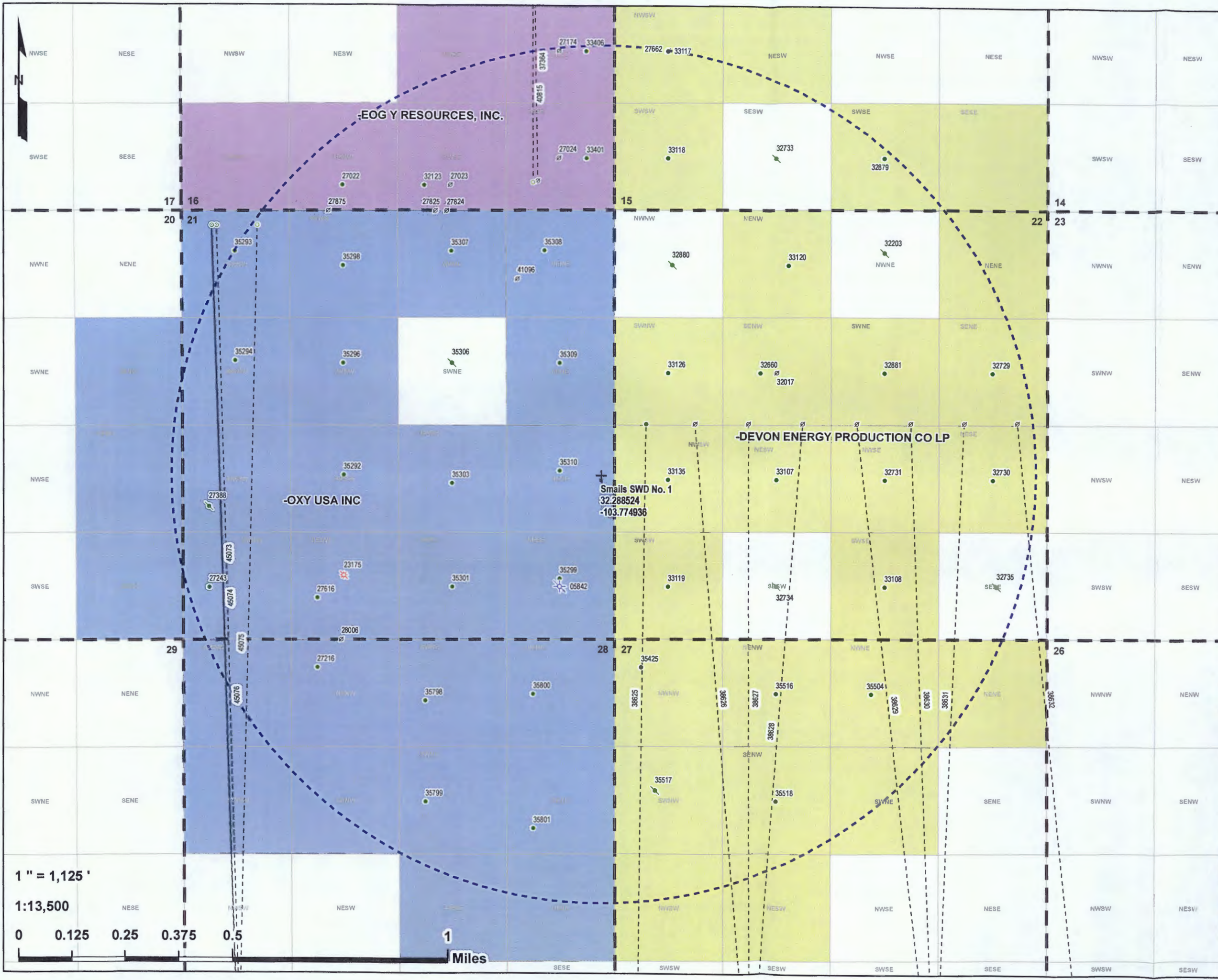
PETROLEUM ENGINEERS **ENERGY ADVISORS**

AUSTIN · HOUSTON · WICHITA · DENVER · CALGARY

- + Smalls SWD No. 1
- Water Well (15) [NM-OSE 2018]
- 1 Mile Radius
- 2 Mile Radius
- QQ-Section (NM-PLSS 2nd Div.)
- Section (NM-PLSS 1st Div.)
- Township/Range (NM-PLSS)

*No water wells within 1 mile radius





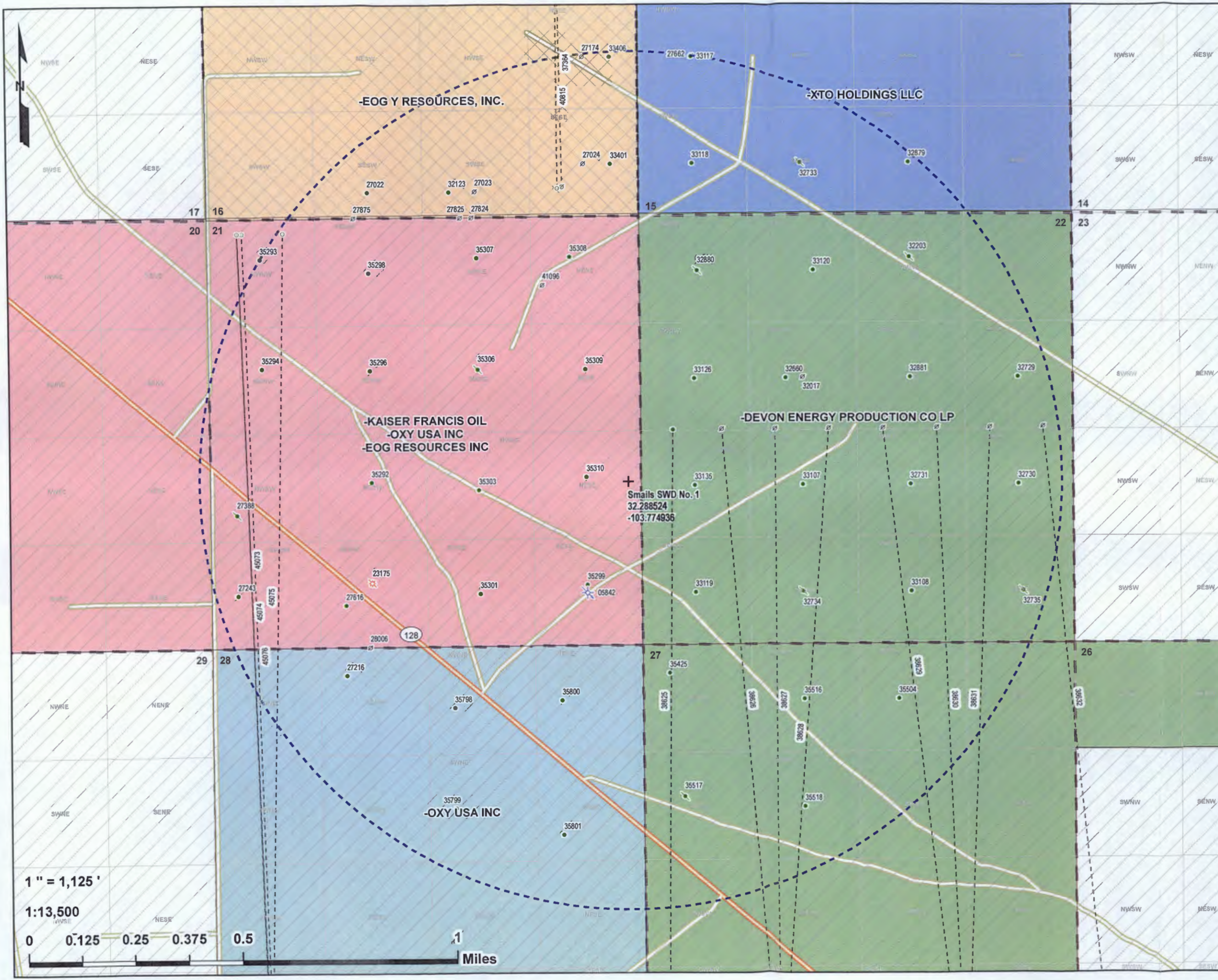
Smail's SWD No. 1
1 Mile Offset Operators
Oilfield Water Logistics
Eddy County, NM

PCS: NAD 1983 SPCS NM-E FIPS 3001 (US Ft.)
Drawn by: SJL Date: 9/7/2018 Approved by: ELR

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

- + Smail's SWD No. 1
 - 1 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 (14)
 - Active - Oil (41)
 - Canceled Location (10)
 - Plugged (Site Released) - Oil (8)
 - Plugged (Site Released) - Gas (1)
 - Plugged (Site Released) - Salt Water Disposal (1)
 - API (30-015-...) BHL Status - Type (Count)
 - Active - Oil (1)
 - Permitted - Oil (5)
 - Canceled Location (8)
 - Operators
 - DEVON ENERGY PRODUCTION CO LP
 - EOG Y RESOURCES, INC.
 - OXY USA INC
- Source: Well SHL/BHL/Directional Data - NM-OCD/DrillingInfo (2018)





Smails SWD No. 1

1 Mile Offset Lessees

Oilfield Water Logistics

Eddy County, NM

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

Drawn by: SJL | Date: 9/6/2018 | Approved by: ELR

LONQUIST & CO. LLC

PETROLEUM ENGINEERS | ENERGY ADVISORS

AUSTIN · HOUSTON · WICHITA · DENVER · CALGARY

+

Smails SWD No. 1

1 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 (14)

Active - Oil (41)

Canceled Location (10)

Plugged (Site Released) - Oil (8)

Plugged (Site Released) - Gas (1)

Plugged (Site Released) - Salt Water Disposal (1)

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

Active - Oil (1)

Permitted - Oil (5)

Canceled Location (8)

Lessees

-DEVON ENERGY PRODUCTION CO LP

-EOG Y RESOURCES, INC.

-KAISER FRANCIS OIL; -OXY USA INC; -EOG RESOURCES INC

-OXY USA INC

-XTO HOLDINGS LLC

Source: Well SHL/BHL/Directional Data - NM-OCD/DrillingInfo (2018)

CHAVES

OTERO

HUDSPETH

NEW MEXICO

EDDY

LEA

ANDREWS

LOVING

WINKLER

CRANE

CULBERSON

REEVES

TEXAS

132

20

Map Extent

Smails SWD No. 1
1 Mile Offset Operators and Lessees List

S/T/R	QQ UNIT LETTER(S)	OPERATOR	MINERAL LESSEE	MINERAL OWNER	ADDRESS 1	ADDRESS 2
16/23S/31E	I,J,M,N,O,P	EOG Y RESOURCES, INC.	-	-	104 S 4TH ST	ARTESIA, NM 88210
	K	-	EOG Y RESOURCES, INC.	-	104 S 4TH ST	ARTESIA, NM 88210
15/23S/31E	K,L,M,O,P	DEVON ENERGY PRODUCTION CO LP	-	-	20 N BROADWAY	OKLAHOMA CITY, OK 73102
	N	-	XTO HOLDINGS LLC	-	22777 SPRINGSWOODS VILLAGE PKWY	SPRING, TX 77389
22/23S/31E	A,C,E,F,G,H,I,J,K,L,M,O	DEVON ENERGY PRODUCTION CO LP	-	-	20 N BROADWAY	OKLAHOMA CITY, OK 73102
	B,D,N,P	-	DEVON ENERGY PRODUCTION CO LP	-	333 W SHERIDAN AVE	OKLAHOMA CITY, OK 73102
21/23S/31E	A,B,C,D,E,F,H,I,J,K,L,M,N,O,P	OXY USA INC	-	-	PO BOX 4294	HOUSTON, TX 77210
	G	-	KAISER FRANCIS OIL	-	PO BOX 21463	TULSA, OK 74121
		-	OXY USA INC	-	PO BOX 27570	HOUSTON, TX 77227
		-	EOG RESOURCES INC	-	333 CLAY ST #4200	HOUSTON, TX 77002
20/23S/31E	H,I,P	OXY USA INC	-	-	PO BOX 4294	HOUSTON, TX 77210
28/23S/31E	A,B,C,D,E,F,G,H,I,J	OXY USA INC	-	-	PO BOX 4294	HOUSTON, TX 77210
27/23S/31E	A,B,C,D,E,F,G,K,L	DEVON ENERGY PRODUCTION CO LP	-	-	20 N BROADWAY	OKLAHOMA CITY, OK 73102

Produced Water Analysis - Surrounding Area

Smails SWD #1

wellname	api	latitude	longitude	section	township	range	unit	ftgns	ftgew	formation	sampledate	ph	tds_mgL	resistivity_o hm_cm	sodium_m g/L	calcium_ mg/L	magnesi um_mgL	chloride_ mg/L	bicarbona te_mgL	sulfate_m g/L
NORTH PURE GOLD 8 FEDERAL #012H	3001537172	32.3174171	-103.7988129	8	23S	31E	J	2080S	2300E	DELAWARE-BRUSHY CANYON	1/13/2015 0:00	6.67	284845.1		73935.3	25239.6	3882.7	177831.8	488	0
NORTH PURE GOLD 4 FEDERAL #002	3001534756	32.3230629	-103.7886581	9	23S	31E		1140N	840W	DELAWARE-BRUSHY CANYON	1/28/2015 0:00	5.3	292449.3		80357.4	25579.5	4080.6	178738.7	73.2	0
NORTH PURE GOLD 8 FEDERAL #015H	3001538282	32.3104858	-103.7924194	17	23S	31E	A	440N	330E	AVALON MIDDLE	1/28/2015 0:00	5.91	239858.4		71907.3	16889.7	2757.4	144378.3	552.1	0
NORTH PURE GOLD 5 FEDERAL #001H	3001535761	32.340271	-103.7935104	5	23S	31E	A	150N	660E	DELAWARE-BRUSHY CANYON	2/6/2015 0:00	5.6	279914.1		73775.3	25103.3	3894.1	173723.7	61	17
NORTH PURE GOLD 5 FEDERAL #002H	3001535850	32.3402786	-103.7977905	5	23S	31E	H	150N	1980E	DELAWARE-BRUSHY CANYON	2/6/2015 0:00	5.7	281807.3		68738	25490.8	4054.4	180260.1	73	0
NORTH PURE GOLD 5 FEDERAL #003H	3001535892	32.3402786	-103.7998962	5	23S	31E	B	150N	2630E	DELAWARE-BRUSHY CANYON	2/6/2015 0:00	5.6	278201.6		70390	25192.2	3952	175284	61	17
TOMB RAIDER 1 FEDERAL #001H	3001542655	32.3400421	-103.7294922	1	23S	31E	B	200N	2005E	BONE SPRING 2ND SAND	2/18/2015 0:00	7.2	9846.5		2752.2	582.8	189.7	4275.1	122	0
BELLOQ 2 STATE #002H	3001542895	32.3400704	-103.7515914	2	23S	31E	C	200N	1720W	WOLFCAMP	10/6/2015 0:00	6.8	119471.8	0.07612	37359.2	5659.1	746.1	73172.5		1035.5
BELLOQ 2 STATE #005H	3001542896	32.3400706	-103.7517541	2	23S	31E	C	200N	1670W	BONE SPRING 2ND SAND	10/6/2015 0:00	7	139843.1	0.06797	44494.8	5639.9	829.6	85890.3		1377.7
BELLOQ 2 STATE #006H	3001542897	32.3400701	-103.7514287	2	23S	31E	C	200N	1770W	BONE SPRING 2ND SAND	10/6/2015 0:00	7	143382.3	0.0661	45080.1	6738.9	958.4	87791.3		1303.7
ALDABRA 25 FEDERAL COM #001H	3001538612	32.2686806	-103.7379837	25	23S	31E	M	200S	635W	BONE SPRING 3RD SAND	10/7/2015 0:00	7.1	113140.8	0.07874	34009.4	5050	651.3	71436.8		660.8
ALDABRA 25 FEDERAL #003H	3001538614	32.2686806	-103.7327271	25	23S	31E	N	200S	2260W	BONE SPRING 3RD SAND	10/7/2015 0:00	7	113319.3	0.07873	33920.5	4990.4	650.5	71731.5		670.9
NORTH PURE GOLD 9 FEDERAL #011H	3001536370	32.3125801	-103.7763824	9	23S	31E	P	330S	660E	DELAWARE-BRUSHY CANYON	4/12/2013 0:00	6.9	285732.9		83635.2	19665	3323	175730	73.2	347
NORTH PURE GOLD 9 FEDERAL #010H	3001536377	32.3156624	-103.7806549	9	23S	31E	J	1450S	1980E	DELAWARE-BRUSHY CANYON	4/12/2013 0:00	6.9	275813		73464	24062	4064	170397	61	337
ALDABRA 25 FEDERAL #006H	3001538602	32.2686806	-103.7263489	25	23S	31E	P	200S	1050E	AVALON LOWER	7/19/2013 0:00	6.3	173088		61003	1287	310	105600	2196	1522
ALDABRA 25 FEDERAL #007H	3001538603	32.2686806	-103.7261887	25	23S	31E	P	200S	1000E	AVALON MIDDLE	7/19/2013 0:00	6.1	171838.1		62260	1330	304	102800	2318	1636
ALDABRA 26 FEDERAL #008H	3001538624	32.2690926	-103.7414856	26	23S	31E	P	350S	445E	BONE SPRING 3RD SAND	7/19/2013 0:00	6.4	173144		61249	1211	290	105600	2074	1603
ALDABRA 25 FEDERAL #003H	3001538614	32.2686806	-103.7327271	25	23S	31E	N	200S	2260W	BONE SPRING 3RD SAND	2/13/2014 0:00	6.5	116623		36425	5150	628	72300	183	0
ALDABRA 25 FEDERAL #007H	3001538603	32.2686806	-103.7261887	25	23S	31E	P	200S	1000E	AVALON MIDDLE	9/4/2014 0:00	7.5	160251.4		55957.6	362.4	70.6	92000	6332	51
ALDABRA 25 FEDERAL #003H	3001538614	32.2686806	-103.7327271	25	23S	31E	N	200S	2260W	BONE SPRING 3RD SAND	9/4/2014 0:00	6.4	93439.8		30119.1	3763.9	516	56700	330	51
ALDABRA 27 FEDERAL #001H	3001538625	32.2686996	-103.7733154	27	23S	31E	M	200S	275W	BONE SPRING 3RD SAND	9/4/2014 0:00	6.8	88892.4		27222.2	3686.9	527.6	54500	460	34
ALDABRA 26 FEDERAL #008H	3001538624	32.2690926	-103.7414856	26	23S	31E	P	350S	445E	BONE SPRING 3RD SAND	10/7/2014 0:00	6.3	104667.4		33685.5	4535.1	602.7	63457.3	284	17
ALDABRA 27 FEDERAL #001H	3001538625	32.2686996	-103.7733154	27	23S	31E	M	200S	275W	BONE SPRING 3RD SAND	10/7/2014 0:00	6.4	128846		40078.5	5902.6	772	80073.4	61	17
ALDABRA 25 FEDERAL #007H	3001538603	32.2686806	-103.7261887	25	23S	31E	P	200S	1000E	AVALON MIDDLE	3/21/2014 0:00	6.5	120527		37521	5432.2	676.3	74438	122	745
ALDABRA 25 FEDERAL #007H	3001538603	32.2686806	-103.7261887	25	23S	31E	P	200S	1000E	AVALON MIDDLE	3/21/2014 0:00	6.5	120140.1		37521	5432.2	676.3	74438	122	0
ALDABRA 26 FEDERAL #008H	3001538624	32.2690926	-103.7414856	26	23S	31E	P	350S	445E	BONE SPRING 3RD SAND	3/21/2014 0:00	6.6	113709.7		33258.9	4909.1	625.4	72869	122	0
TODD 36 B STATE #020H	3001538044	32.2681046	-103.7306747	36	23S	31E	B	10N	2385E	AVALON LOWER	4/21/2014 0:00	7.1	160367.4		65355.7	472.7	170.6	90224	305	0
ALDABRA 25 FEDERAL #003H	3001538614	32.2686806	-103.7327271	25	23S	31E	N	200S	2260W	BONE SPRING 3RD SAND	5/25/2014 0:00	6.4	117104.1		35709	5359.2	694	73200	244	0
ALDABRA 25 FEDERAL #006H	3001538602	32.2686806	-103.7263489	25	23S	31E	P	200S	1050E	AVALON LOWER	6/16/2014 0:00	6.7	116286.7		36577.7	5330.6	651.3	71800	160	5.1
ALDABRA 25 FEDERAL #006H	3001538602	32.2686806	-103.7263489	25	23S	31E	P	200S	1050E	AVALON LOWER	6/16/2014 0:00	6.7	116671		36577.7	5330.6	651.3	71800	160	607
ALDABRA 26 FEDERAL #008H	3001538624	32.2690926	-103.7414856	26	23S	31E	P	350S	445E	BONE SPRING 3RD SAND	6/17/2014 0:00	7.1	116691.1		37414.7	5610.4	690.7	71000	134	3.4
ALDABRA 27 FEDERAL #001H	3001538625	32.2686996	-103.7733154	27	23S	31E	M	200S	275W	BONE SPRING 3RD SAND	6/17/2014 0:00	7.3	124604		43455	6328	839	71737	109	3.4
ALDABRA 27 FEDERAL #001H	3001538625	32.2686996	-103.7733154	27	23S	31E	M	200S	275W	BONE SPRING 3RD SAND	6/17/2014 0:00	7.3	125038		43455	6328	839	71737	109	627
ALDABRA 26 FEDERAL #008H	3001538624	32.2690926	-103.7414856	26	23S	31E	P	350S	445E	BONE SPRING 3RD SAND	6/18/2014 0:00	7.1	117079		37414.7	5610.4	690.7	71000	134	662
NORTH PURE GOLD 10 FEDERAL #001H	3001536427	32.3129883	-103.7731705	10	23S	31E		480S	330W	DELAWARE-BRUSHY CANYON	11/24/2014 0:00	5.15	291342.3		81651.6	22710.7	3767.5	179798.5	52	34
MEDANO VA STATE #003	3001526591	32.305336	-103.7860031	16	23S	31E	F	2310N	1650W	DELAWARE	6/15/2000 0:00	5.6				10960	833.1	109108	537	125
ALDABRA 25 FEDERAL COM #001H	3001538612	32.2686806	-103.7379837	25	23S	31E	M	200S	635W	BONE SPRING 3RD SAND	8/17/2015 0:00	5.3	109640.8	0.07924	35480.3	5430.6	671.6	66018.5		648.6
TOMB RAIDER 1 FEDERAL #001H	3001542655	32.3400421	-103.7294922	1	23S	31E	B	200N	2005E	BONE SPRING 2ND SAND	8/17/2015 0:00	6.3	146749.4	0.06454	47947.3	7556.1	940	87902.2		952.5
GARDNER TL #001	3001505847	32.2599945	-103.7667236	34	23S	31E	K	2310S	2310W	DELAWARE			383600							
TODD 26 G FEDERAL #001	3001520242	32.2771912	-103.7464523	26	23S	31E	G	1980N	1980E	ATOKA	8/20/1969 0:00	6.7	202478					126000	93	540
NORTH PURE GOLD 8 FEDERAL #012H	3001537172	32.3174171	-103.7988129	8	23S	31E	J	2080S	2300E	DELAWARE-BRUSHY CANYON	6/16/2010 0:00	7	295783.1		85513.8	21355	3309	181309	512.3	623
NORTH PURE GOLD 8 FEDERAL #014H	3001537966	32.3121109	-103.7968597	8	23S	31E	O	150S	1700E	AVALON LOWER	7/1/2011 0:00	7	143469.1		54686.9	334	65	82680	1952	2871
TODD 36 B STATE #020H	3001538044	32.2681046	-103.7306747	36	23S	31E	B	10N	2385E	AVALON LOWER	7/1/2011 0:00	7	140625.6		54055.2	221	62	83255	244	1882
NORTH PURE GOLD 8 FEDERAL #015H	3001538282	32.3104858	-103.7924194	17	23S	31E	A	440N	330E	AVALON MIDDLE	7/1/2011 0:00	6.9	177441.7		60934.5	5485	1045	106633	280.6	1624
TELEDYNE 17 #001	3001522553	32.2996635	-104.0090866	17	23S	29E	N	660S	1980W	MORROW	11/16/1978 0:00	6	62523					37600	142	810
SPUD 16 STATE #011H	3001541149	32.3034325	-103.9833145	16	23S	29E	I	2030S	660E	BONE SPRING 1ST SAND	4/16/2015 0:00	7	153041.8	0.06026	53895.7	1294.2	272.6	92918.4	2708.4	0
SPUD 16 STATE #012H	3001541150	32.3032951	-103.9833221	16	23S	29E	I	1980S	660E	BONE SPRING 1ST SAND	4/16/2015 0:00	7	146424.7	0.06343	55118.3	1444.9	312.8	84786.2	2659.6	0
SPUD 16 STATE #009H	3001538059	32.3013306	-103.9873581	16	23S	29E	O	1265S	1905E	AVALON UPPER	4/16/2015 0:00	7	154164.4	0.06015	54960.3	797.8	202.5	92020.7	3660	0
JAMES RANCH UNIT #001	3001504735	32.3431091	-103.8321228	36	22S	30E	O	660S	2009E	ATOKA			92746					55500	580	923
JAMES RANCH UNIT #001	3001504735	32.3431091	-103.8321228	36	22S	30E	O	660S	2009E	ATOKA			65656					38600	549	1270
JAMES RANCH UNIT #001	3001504735	32.3431091	-103.8321228	36	22S	30E	O	660S	2009E	ATOKA			86236					51600	610	886
JAMES RANCH UNIT #001	3001504735	32.3431091	-103.8321228	36	22S	30E	O	660S	2009E	ATOKA			96171					57700	397	953
JAMES RANCH UNIT #001	3001504735	32.3431091	-103.8321228	36	22S	30E	O	660S	2009E	ATOKA			85273					50170	733	1913