

DATE IN 10/31/2017	SUSPENSE	ENGINEER MAM	LOGGED IN 10/31/2017	TYPE SUD	APP NO. 7144173044969
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ABOVE THIS LINE FOR DIVISION USE ONLY

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



ADMINISTRATIVE APPLICATION CHECKLIST

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

Application Acronyms:

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

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

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

Check One Only for [B] or [C]

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

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

- [D] Other: Specify _____

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

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
 [B] ☒ Offset Operators, Leaseholders or Surface Owner
 [C] ☒ Application is One Which Requires Published Legal Notice
 [D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
 [E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,
 [F] ☐ Waivers are Attached

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

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

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

Chris Weyand

Print or Type Name

Signature

Consulting Engineer

Title

10/27/2017

Date

chris@lonquist.com

e-mail Address

LONQUIST & CO. LLC

PETROLEUM
ENGINEERS

ENERGY
ADVISORS

AUSTIN • HOUSTON • WICHITA • DENVER • CALGARY

October 27, 2017

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

RECEIVED OCD
2011 OCT 31 P 12

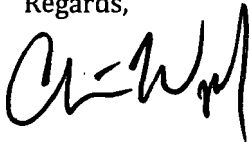
RE: ALPHA SWD NO. 2 AUTHORIZATION TO INJECT

To Whom It May Concern:

Attached for your review is Form C-108, Application for Authorization to Inject, and its supplemental documents prepared for Alpha SWD Operating LLC's Alpha SWD No. 2. In addition, Forms C-101 and C-102 have also been included with this package. Notices have been sent to offset leaseholders and the surface owner. Proof of notice will be sent to the OCD upon receipt.

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

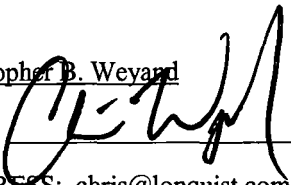
Regards,



Christopher B. Weyand
Staff Engineer
Lonquist & Co., LLC

(512) 600-1764
chris@lonquist.com

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Storage
Application qualifies for administrative approval? X Yes No
- II. OPERATOR: ALPHA SWD OPERATING LLC
ADDRESS: 4436 STERLING LN // PLANO, TX 75093
CONTACT PARTY: KURT KNEWITZ PHONE: (214) 418-1177
- 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: Christopher B. Weyand TITLE: Consulting Engineer
SIGNATURE:  DATE: 10/27/2017
E-MAIL ADDRESS: chris@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: ALPHA SWD OPERATING LLCWELL NAME & NUMBER: ALPHA SWD #2WELL LOCATION: 353' FNL & 2,398' FWL C 18 23S 28E
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGEWELLBORE SCHEMATICWELL CONSTRUCTION DATASurface CasingHole Size: 26.000"Casing Size: 20.000"Cemented with: 1,145 sx.or ft³Top of Cement: surfaceMethod Determined: circulation1st Intermediate CasingHole Size: 17.500"Casing Size: 13.375"Cemented with: 1,410 sx.or ft³Top of Cement: surfaceMethod Determined: circulation2nd Intermediate CasingHole Size: 12.250"Casing Size: 9.625"Cemented with: 1,935 sx.or ft³Top of Cement: surfaceMethod Determined: circulation

Production Casing

Hole Size: 8.500"

Casing Size: 7.625"

Cemented with: 1,600 sx.

or _____ ^{ft}³

Top of Cement: surface

Method Determined: circulation

Total Depth: 14,465'

Injection Interval

13,275 feet to 14,465 feet

(Open Hole)

INJECTION WELL DATA SHEET

Tubing Size: 5.500", 17 lb/ft, P-110 UFJ from 0' - 13,225'
 Lining Material: Duoline

Type of Packer: D&L Oil Tools 7.625" Permapack Packer – Single Bore

Packer Setting Depth: 13,225'

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? N/A

2. Name of the Injection Formation: Devonian, Silurian, Fusselman and Montoya (Top 100')

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

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:

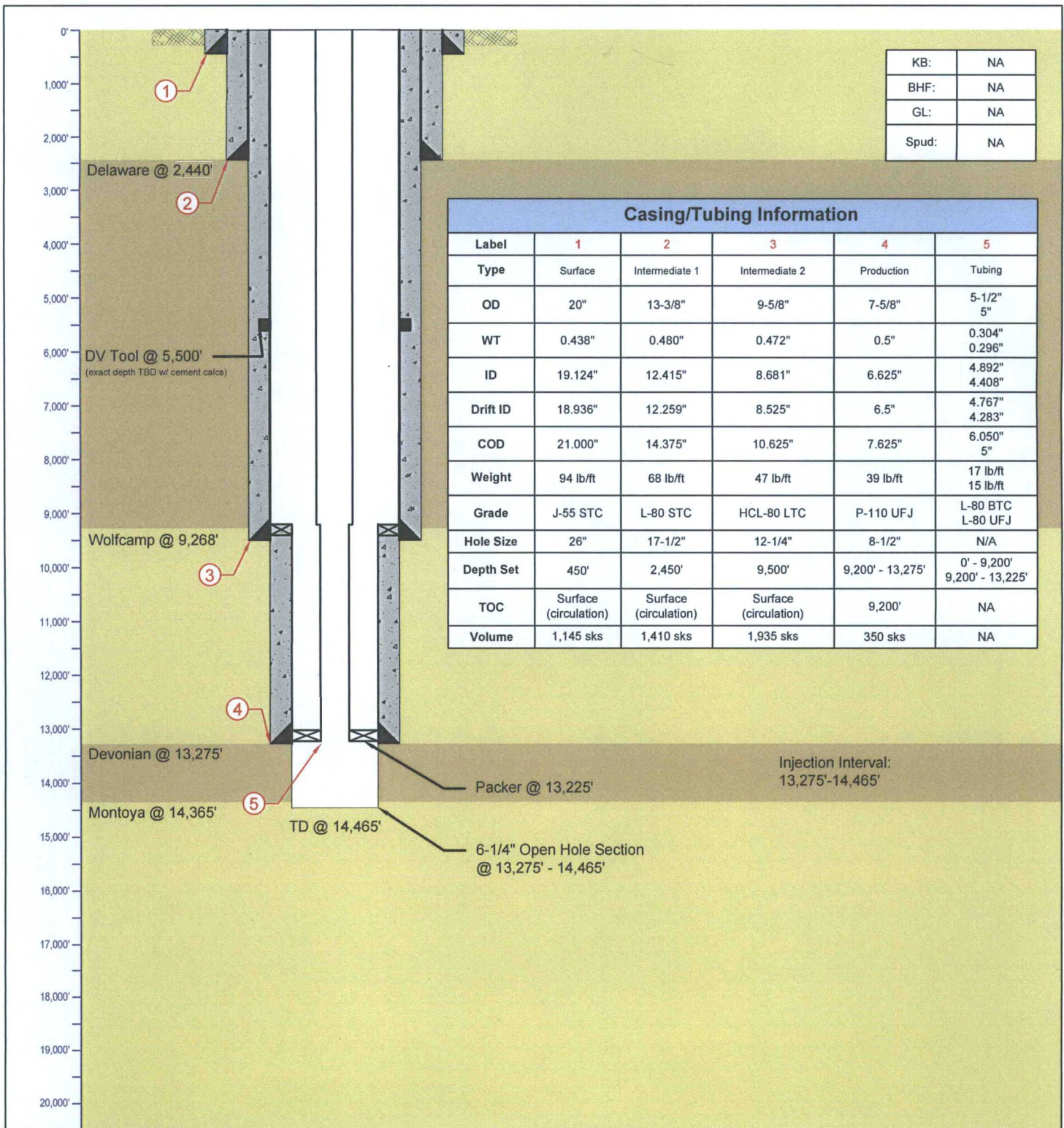
Delaware: 2,440'

Bone Spring: 5,956'

Wolfcamp: 9,268'

Atoka: 11,096'

Morrow: 11,921'



LONQUIST FIELD SERVICE AUSTIN HOUSTON WICHITA CALGARY	Alpha SWD		Alpha SWD No. 2	
	Country: USA		State/Province: New Mexico	County/Parish: Eddy
	Location:		Site:	Survey/STR: 18-23S-28E
	API No:		Field:	Well Type/Status: SWD
	State ID No:		Project No:	Date: 12/20/2017
Texas License F-9147 3345 Bee Cave Road, Suite 201 Austin, Texas 78746 Tel: 512.732.9812 Fax: 512.732.9816	Drawn: CJG		Reviewed: CBW	Approved: SLP
	Rev No: 1		Notes:	

Alpha SWD Operating LLC

Alpha SWD No. 2

FORM C-108 Supplemental Information

III. Well Data

A. Wellbore Information

1.

Well information	
Lease Name	Alpha SWD
Well No.	2
Location	S-18 T-23S R-28E
Footage Location	353' FNL & 2,398' FWL

2.

a. Wellbore Description

Casing Information				
Type	Surface	Intermediate 1	Intermediate 2	Production
OD	20"	13.375"	9.625"	7.625"
WT	0.438"	0.480"	0.472"	0.500"
ID	19.124"	12.415"	8.681"	6.625"
Drift ID	18.936"	12.259"	8.525"	6.500"
COD	21.00"	14.375"	10.625"	7.625"
Weight	94 lb/ft	68 lb/ft	47 lb/ft	39 lb/ft
Grade	J-55	L-80	HCL-80	P-110
Hole Size	26"	17.5"	12.25"	8.5"
Depth Set	450'	2,450'	9,500'	13,275'

b. Cementing Program

Cement Information				
Casing String	Surface	Intermediate 1	Intermediate 2	Production
Lead Cement	C	C	C	H
Lead Cement Volume	1,145 sx	1,145 sx	Stage 1: 615 sx Stage 2: 920 sx	Stage 1: 250 sx Stage 2: 1,350 sx
Tail Cement		C	H	
Tail Cement Volume		265 sx	Stage 1: 400 sx	
Cement Excess	100%	25%	50%	50%
TOC	Surface	Surface	Surface	Surface
Method	Circulate to Surface	Circulate to Surface	Circulate to Surface	Circulate to Surface

3. Tubing Description

Tubing Information	
OD	5.5"
WT	0.304"
ID	4.892"
Drift ID	4.767"
COD	5.500"
Weight	17 lb/ft
Grade	P-110 UFJ
Depth Set	13,225'

Tubing will be lined with Duoline.

4. Packer Description

D&L Oil Tools 7.625" Permapack Packer – Single Bore

B. Completion Information

1. Injection Formation: Devonian, Silurian, Fusselman, Montoya (Top 100')

2. Gross Injection Interval: 13,275' – 14,465'

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	2,440'
Bone Spring	5,956'
Wolfcamp	9,268'
Atoka	11,096'
Morrow	11,921'

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: 32,000 BPD

2. Closed System

3. Anticipated Injection Pressure:

Average Injection Pressure: 1,800 PSI (surface pressure)

Maximum Injection Pressure: 2,655 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, Wolfcamp, Atoka, and Morrow formations.

5. The disposal interval is non-productive. No water samples are available from the surrounding area.

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 include 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 tremendous Salt Water Disposal horizon.

A. Injection Zone: Siluro-Devonian Formation

Formation	Depth
Rustler	Eroded, not present
Salado	175'
Delaware	2,440'
Bone Spring	5,956'
Wolfcamp	9,268'
Strawn	10,804'
Atoka	11,096'
Morrow	11,921'
Mississippian Lime	12,835'
Woodford	13,170'
Devonian	13,275'

B. Underground Sources of Drinking Water

Within 1-mile of the proposed Alpha SWD #2 location water wells range in depth from 30' to 220'. Reported depths to fresh water range from 14' to 217' (60' on average). This is not a known fresh water aquifer, but rather represents a sporadic alluvial source.

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

Cardinal Laboratories in Hobbs, New Mexico has been contracted to obtain water samples from fresh water wells within 1 mile and provide chemical analysis of the samples. When analysis is complete, the report will be provided to the OCD.

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.

NAME: Christopher B. Weyand

TITLE: Consulting Engineer

SIGNATURE: 

DATE: 10/29/2017

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone (505) 393-6161 Fax: (505) 393-0720

DISTRICT II
811 S. First St., Artesia, NM 88210
Phone (505) 746-1263 Fax: (505) 746-9720

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) 476-3463

State of New Mexico
Energy, Minerals and 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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code 96101	Pool Name SWD; Silurian-Devonian
Property Code	Property Name ALPHA SWD	Well Number 2
OGRID No. 372180	Operator Name ALPHA SWD OPERATING LLC	Elevation 3051'

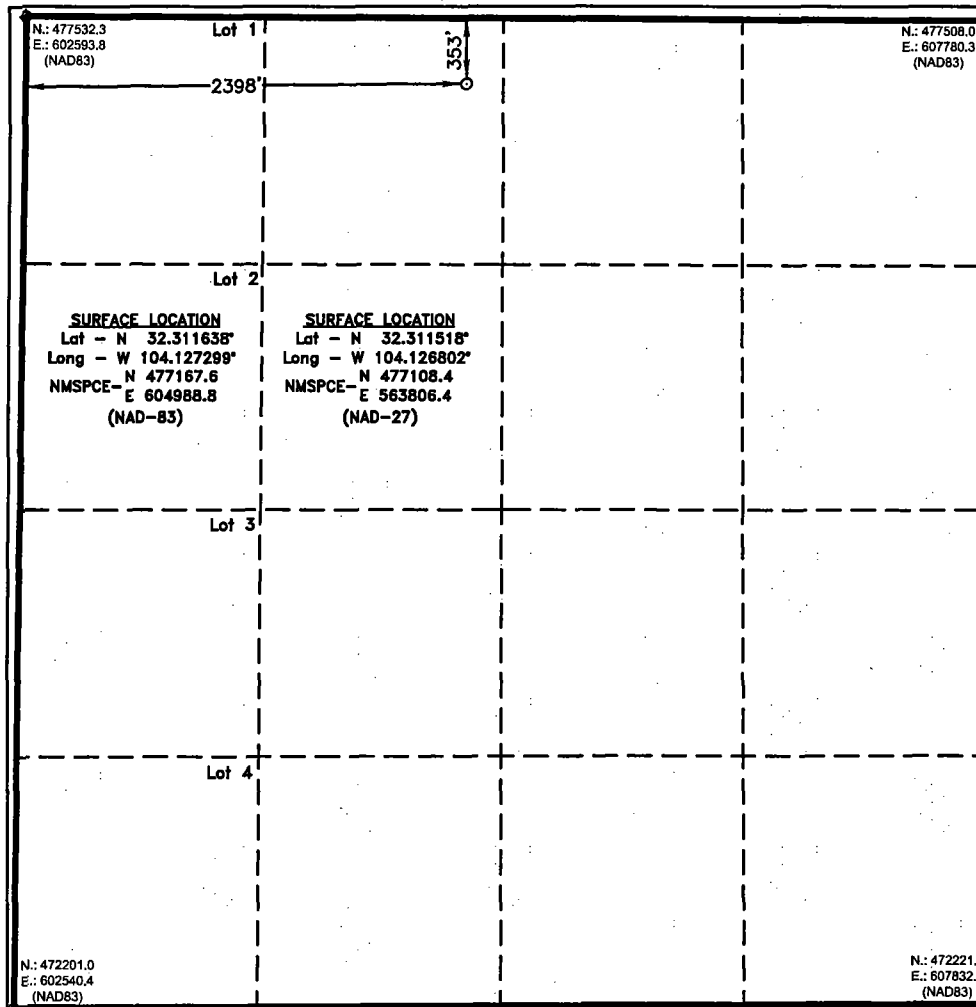
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	18	23 S	28 E		353	NORTH	2398	WEST	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	Consolidation 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



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: *[Signature]* Date: 10/27/2011

Printed Name: Christopher Weyand

Email Address: chris@lonquist.com

7977

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 Surveyed: OCTOBER 28, 2011
Signature: *[Signature]*
Professional Surveyor: 7977

Certificate No. 7977
BRAIN SURVEYING

0' 1000' 2000' 3000' 4000'
SCALE: 1" = 2000'
WO Num.: 33363

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

Form C-101
Revised July 18, 2013

Energy Minerals and Natural Resources**Oil Conservation Division**☐ AMENDED REPORT**1220 South St. Francis Dr.****Santa Fe, NM 87505****APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

¹ Operator Name and Address ALPHA SWD OPERATING LLC 4436 STERLING LN PLANO, TX 75093		² OGRID Number 372180
		³ API Number 30-015-TBD
⁴ Property Code	⁵ Property Name ALPHA SWD	⁶ Well No. 2

⁷ Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
C	18	23S	28E		353	NORTH	2,398	WEST	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 96101
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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 3,051'
¹⁶ Multiple N	¹⁷ Proposed Depth 14,465'	¹⁸ Formation Siluro-Devonian	¹⁹ Contractor TBD	²⁰ Spud Date ASAP
Depth to Ground water 60'		Distance from nearest fresh water well 862'		Distance to nearest surface water >1 mile

☒ 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	450'	1,145	Surface
Intermediate 1	17.5"	13.375"	68 lb/ft	2,450'	1,410	Surface
Intermediate 2	12.25"	9.625"	47 lb/ft	9,500'	1,935	Surface
Production	8.5"	7.625"	39 lb/ft	13,275'	1,600	Surface
Tubing	N/A	5.5"	17 lb/ft	13,225'	N/A	N/A

Casing/Cement Program: Additional Comments

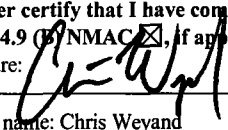
See attached schematic.

²² Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Hydraulic/Blinds, Pipe	5,000 psi	8,000 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: 

Printed name: Chris Weyand

Title: Consulting Engineer

E-mail Address: chris@lonquist.com

Date: 10/27/2017

Phone: 512-600-1764

OIL CONSERVATION DIVISION

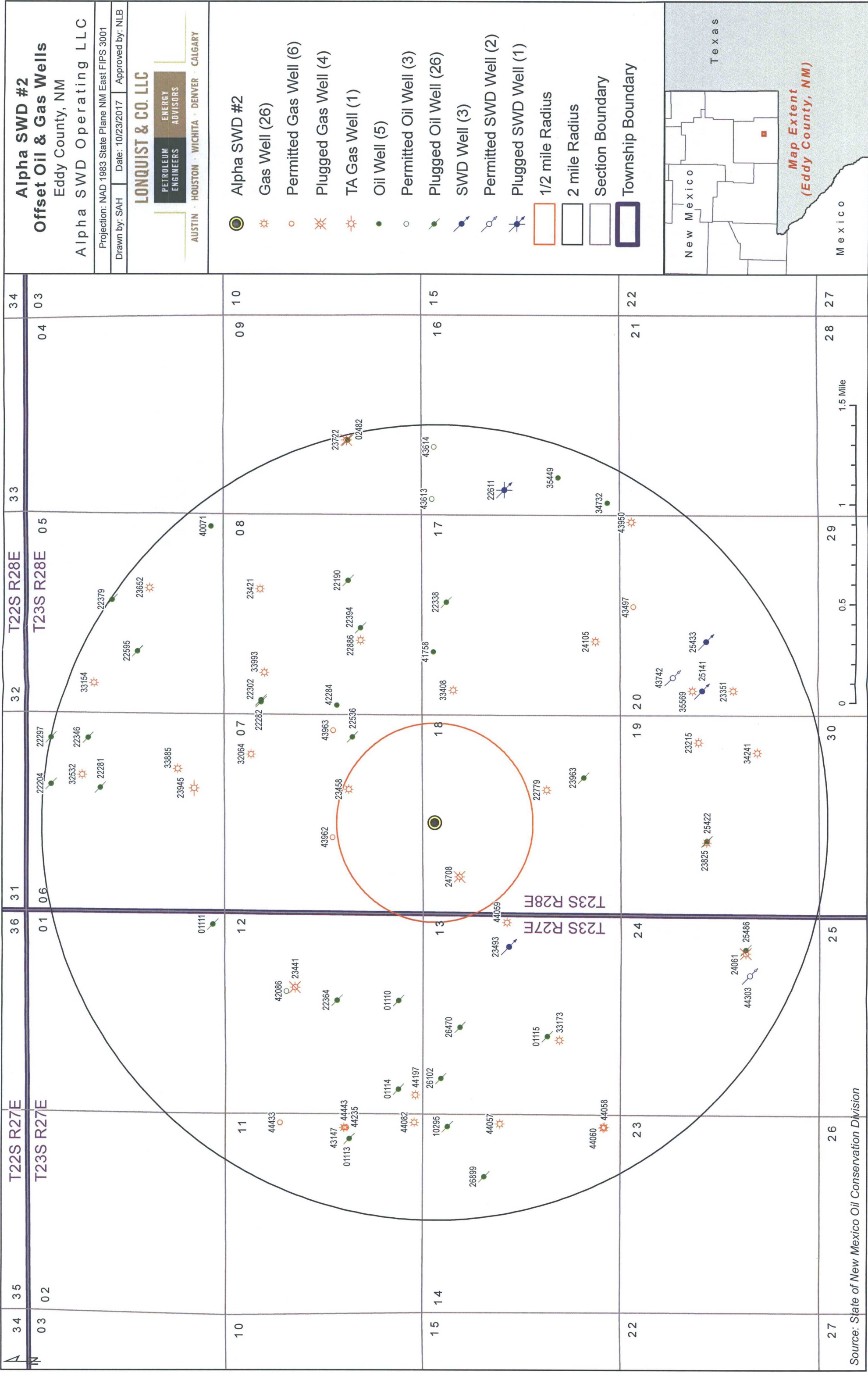
Approved By:

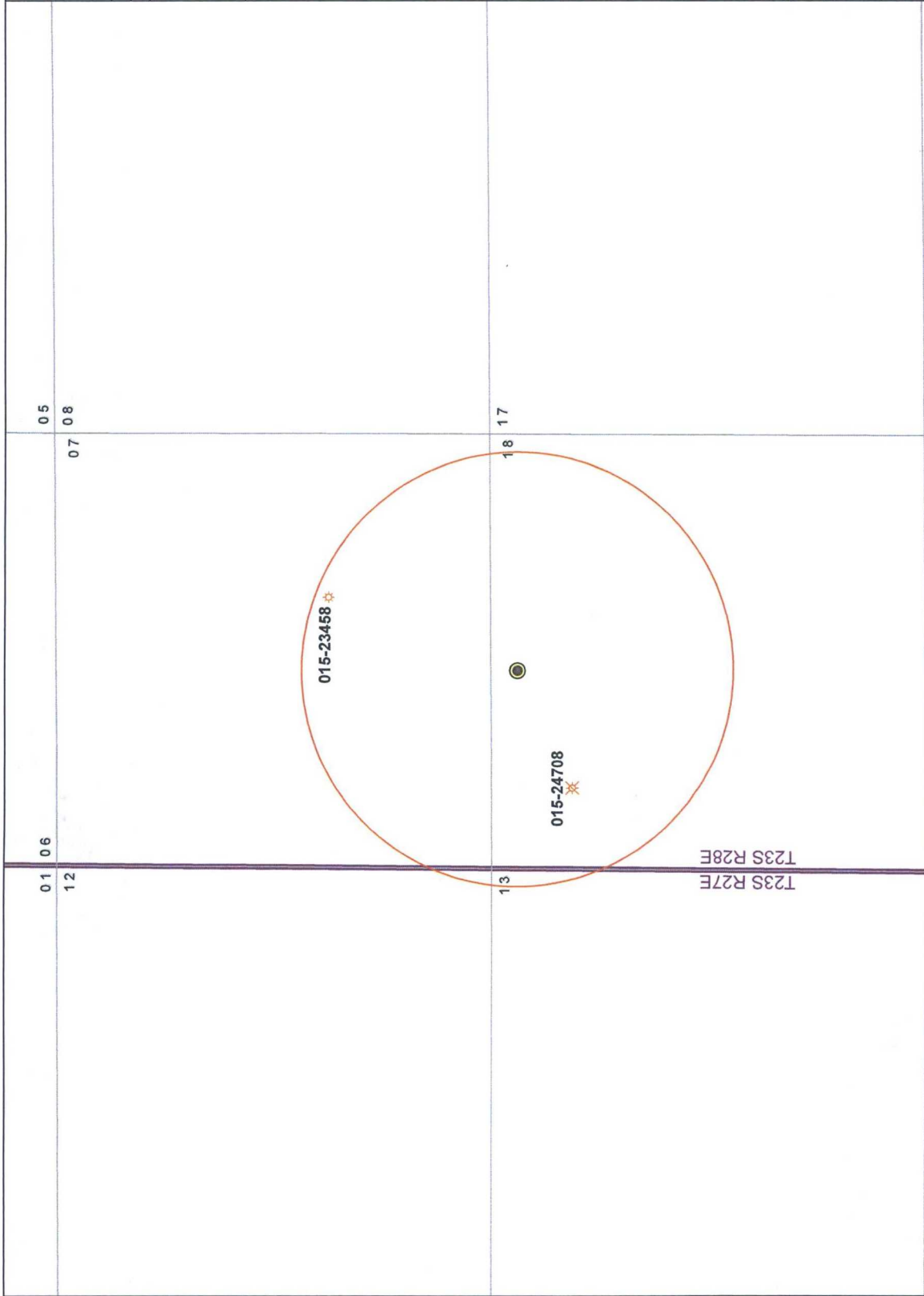
Title:

Approved Date:

Expiration Date:

Conditions of Approval Attached





Alpha SWD #2
1/2 mile Area of Review
Eddy County, NM
Alpha SWD Operating LLC

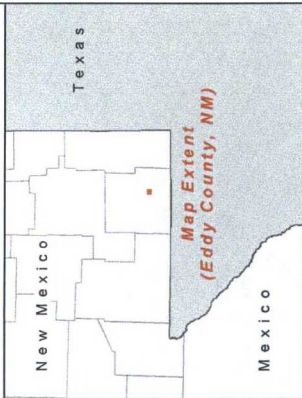
Projection: NAD 1983 State Plane NM East FIPS 3001
Drawn by: SAH | Date: 10/23/2017 | Approved by: NLB

LONQUIST & CO. LLC

PETROLEUM
ENGINEERS
ENERGY
ADVISORS

AUSTIN HOUSTON WICHITA DENVER CALGARY

- Alpha SWD #2
- Gas Well
- Plugged Gas Well
- 1/2 mile Radius
- Section Boundary

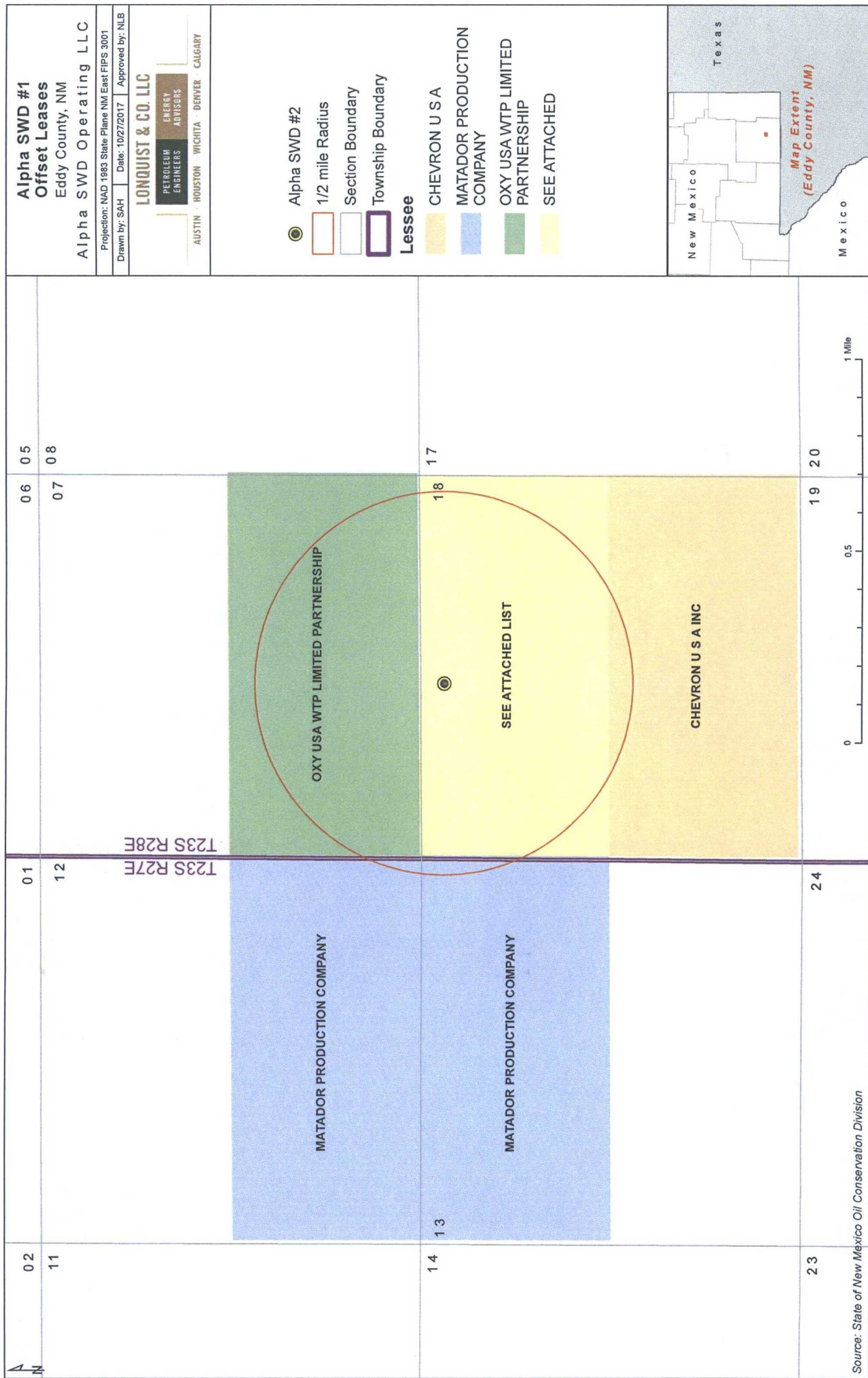


Source: Well Data - State of New Mexico Oil Conservation Division, Lateral - Drilling Info

0 0.1 0.2 0.4 0.6 0.8 Miles

Half-Mile AOR
Alpha SWD #2

API (30-015-)	Well Name	Well Type	Status	Operator	TD (TVD)	Location	Date Drilled
23458	BRANTLEY A COM #001	Gas	Active	OXY USA WTP LIMITED PARTNERSHIP	12,545	J-07-23S-28E	1/20/1997
24708	CARRASCO 18 #001	Gas	Plugged	CHEVRON U S A INC	12,650	1-18-23S-28E	8/30/2006

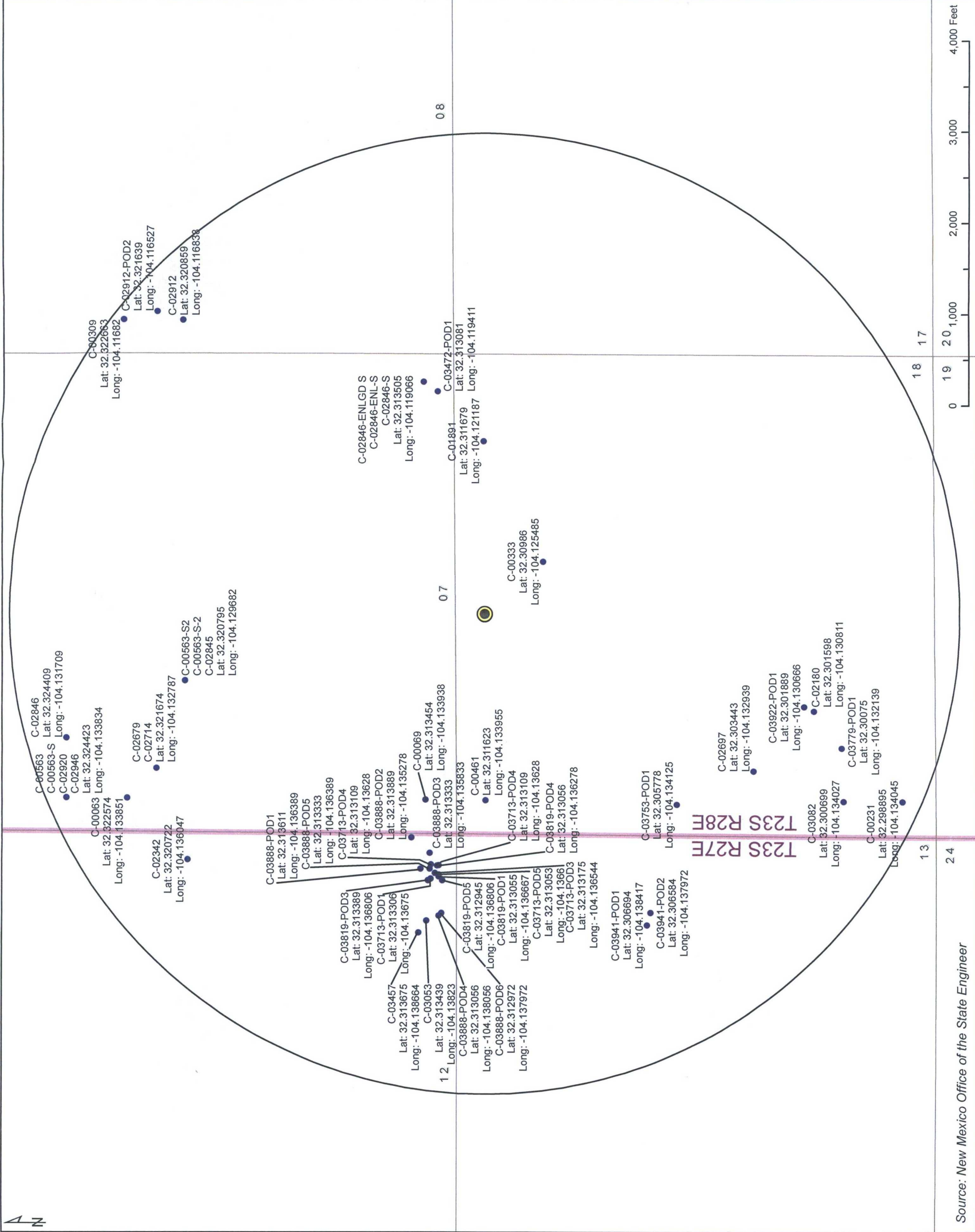


Alpha SWD No. 2 Notice List			
Notice	Address	Phone Number	Date Noticed
Oil Conservation Division District IV	1220 South St. Francis Drive, Santa Fe, NM 87505	(505) 476-3440	
Oil Conservation Division District II	811 S. First St., Artesia, NM 8821C	(575) 748-1283	
Surface Owner			
POLK LAND & MINERALS LP	C/O GLEN WEBB PC, 3300 S. 14th, Suite 206, ABILENE, TX 79605	(325) 201-1738	
Leasehold Operators - 1/2 Mile			
MATADOR PRODUCTION COMPANY	ONE LINCOLN CENTER, 5400 LBJ FREEWAY STE 1500, DALLAS, TX 7524C	(972) 371-5200	
CHEVRON U S A INC	6301 DEAUVILLE BLVD, MIDLAND, TX 79706	(866) 212-1212	
OXY USA WTP LIMITED PARTNERSHIP	PO BOX 4294, HOUSTON, TX 7721C	(713) 366-5716	
Leaseholders and Mineral Owners - N/2 of Sec. 18-23S-28E			
Tap Rock Resources, LLC	602 Park Point Drive, Suite 200, Golden, CO 80401	(720) 772-5090	
Snow Oil & Gas	818 E Broadway St, Andrews, TX 79714	(432) 524-2371	
Crown Oil Partners V, LP	P.O. Box 50820, Midland, TX 79710-0820		
Crump Energy Partners II, LLC	P.O. Box 50820, Midland, TX 79710-0820		
Nadel & Gussman Delaware, LLC	15 East 5th Street, Suite 3300, Tulsa, OK 74103-434C	(918) 583-3333	
Marathon Oil Permian, LLC	5555 San Felipe Street, Houston, TX 77056	(713) 629-6600	
Sally Carter Ballard	3616 133rd Street, Lubbock, TX 79423		
Peter R. Carter	9320 Stratford Way, Dallas, TX 75220	(214) 902-9225	
Barbara Carter	24 Condesa Road, Santa Fe, NM 87508	(505) 820-9331	
Jeri Alexander Mangum, fka Jeri Alexander Lott and First Financial Trust and Asset Management Co., N.A., as Trustees of the Carol Gibson Trust and Cynthia Rhodes Trust	P.O. Box 701, Abilene, TX 79604		
Caki Family Limited Partnership	3721 Pallos Verdas, Dallas, TX 75229		
Catherine Gall Parker and Craig Parker Exempt Trust	3721 Pallos Verdas, Dallas, TX 75229		
Caren Gall Lucas Exempt Trust	P.O. Box 90621, Austin, TX 78709-0621		
JMA Oil Properties, Ltd, Whose General Partner is JMA Management, LLC	P.O. Box 58, Abilene, TX 79604		
Emma U. Carrasco	P.O. Box 26, Loving, NM 88256		
The Emilio R. Villa Revocable Trust	1206 Bryan Circle, Carlsbad, NM 88220		
Edmund T. Anderson, IV	2521 Humble, Midland, TX 79705	(432) 684-4560	
Edmund T. Anderson, IV, Trustee for the Mary Anderson Boll Family Trust	2521 Humble, Midland, TX 79705	(432) 684-4560	
Guitar Land & Cattle, LP	P.O. Box 2213, Abilene, TX 79604		
The Earl B. Guitar and Margaret Ann Guitar Revocable Trust	P.O. Box 748, Abilene, TX 79604		
CrownRock Minerals, L.P.	P.O. Box 51933, Midland, TX 79710		
Truchas Peaks, LLC	110 Louisiana, Suite 500, Midland, TX 79701		
Honey's Heritage LP	P.O. Box 833206, Richardson, TX 75083-3206		
The Mary Guitar Polk Estate Limited Partnership	15250 Prestonwood Blvd., #441, Dallas, TX 75248	(972) 388-1144	
Ruth Ann Polk Caudle	15250 Prestonwood Blvd., #441, Dallas, TX 75248	(972) 388-1144	
JPH Holdings, LP	4400 Arcady, Dallas, TX 75205		
POLK LAND & MINERALS LP	C/O GLEN WEBB PC, 3300 S. 14th, Suite 206, ABILENE, TX 79605	(325) 201-1738	

Alpha SMD #2: Offset Produced Water Analysis

wellname	api	latitude	longitude	section	township	range	county	state	formation	ph	tds_mg/l	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
WILLIAMS GAS COM #001	3001522686	32.287032	-104.0459916		25.235	28E	EDDY	NM	ATOKA	8.2	238539							138000		2370	3950
WILLIAMS GAS COM #001	3001522686	32.287032	-104.0459916		25.235	28E	EDDY	NM	ATOKA	7.9	217050							128000		1080	3900
LOVE RANGER 33 STATE #002H	3001541240	32.2592392	-104.1868896		33.235	27E	EDDY	NM	BONE SPRING 2ND SAND	6.7	201244	0.05376	67243.9	9225	40.4	1171.5	1.35	121289		61	0
LOVE RANGER 33 STATE #002H	3001541240	32.2592392	-104.1868896		33.235	27E	EDDY	NM	BONE SPRING 2ND SAND	6.4	138166.5		46409	9044	44		2.5	78243		110	0
GOMEZ #001	3001522595	32.3395887	-104.1125488		5.235	28E	EDDY	NM	DELAWARE	6.4	139440							80500		303	2100
NM #001	3001524589	32.297123	-104.0955887		21.235	28E	EDDY	NM	DELAWARE	4.9	202807		60819.2	70577.5	2.94	4029.39		143136		38.624	213.568
AMOCO FEDERAL 11 #006	3001526486	32.3250542	-104.0546036		11.235	28E	EDDY	NM	DELAWARE-BRUSH CANYON	5.38	307701		96916.8	34317.6	46.8	5392.8		226593		26.4	505.2
AMOCO FEDERAL 11 #005	3001526527	32.3219872	-104.0537567		11.235	28E	EDDY	NM	DELAWARE-BRUSH CANYON	6.03	297557		90601.8	35088.6	63.017	4688.23		218632		49.938	619.469
VILLA COM #001	3001522886	32.3171425	-104.1116333		8.235	28E	EDDY	NM	MORROW	5.08	27040.2		8664.21	1173.13	553.382	128.646		16623.9		39.819	147.024
VILLA COM #001	3001522886	32.3171425	-104.1116333		8.235	28E	EDDY	NM	MORROW	6.37	6803.65		2064.35	379.288	154.071	39.273		3939.38		56.392	209.435
BRANTLEY #001	3001522677	32.2886339	-104.0770493		22.235	28E	EDDY	NM	MORROW	6.7	736018		1292.43	422.1	1069.27	56.28		4157.68		303.51	3400
VILLA COM #001	3001522886	32.3171425	-104.1116333		8.235	28E	EDDY	NM	MORROW	6.5	278468							166000			
BRANTLEY #001	3001522677	32.2886339	-104.0770493		22.235	28E	EDDY	NM	MORROW	6.5	108205	0.07392	35110.8	4480.2	78.5	627.9	0.61	65927.2		146	300
HABANERO 17 FEDERAL COM #001H	3001536108	32.2218475	-104.2062463		17.245	27E	EDDY	NM	WOLF CAMP	6.9	102136.2		30415.1	5341.9	40.2	648.7	1.47	62812.7		183	0
SERRANO 29 FEDERAL #001H	3001537783	32.1898842	-104.2062149		29.245	27E	EDDY	NM	WOLF CAMP	6.5	102994.9	0.07961	28702.1	5341.9	46.2	619.5	1.46	63450.1		268	0

4 N



Alpha SWD #2

Offset Water Wells

Eddy County, NM

Alpha SWD Operating Inc.

Projection: NAD 1983 State Plane NM East FIPS 3001

Drawn by: SAH

Date: 10/23/2017

Approved by: NLB

LONQUIST & CO. LLC

PETROLEUM ENGINEERS

ENERGY ADVISORS

AUSTIN · HOUSTON · WICHITA · DENVER · CALGARY

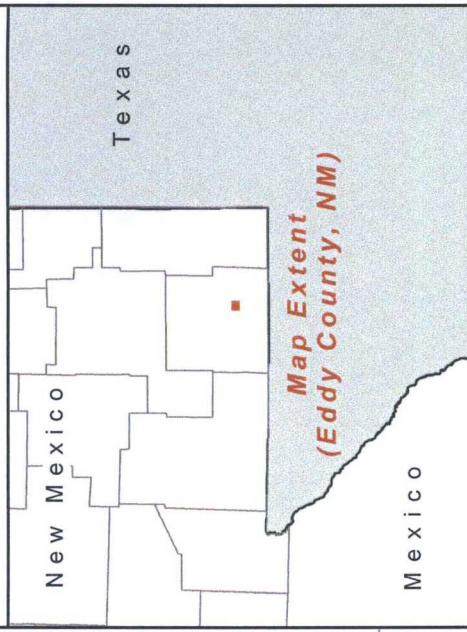
Alpha SWD #2

Water Well

1 mile Radius

Section Boundary

Township Boundary



October 31, 2017

Legal Notice

Alpha SWD Operating LLC, 4436 Sterling Ln, Plano, Texas 75093 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 Alpha SWD No. 2. The proposed well will be located 353' FNL & 2,398' FWL in Section 18, Township 23S, Range 28E in Eddy County, New Mexico. Disposal water will be sourced from area production, and will be injected into the Siluro-Devonian Formation (determined by offset log analysis) through an open hole completion between a maximum applied for top of 13,275 feet to a maximum depth of 14,465 feet. The maximum surface injection pressure will not exceed 2,655 psi with a maximum rate of 32,000 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) 600-1764.

McMillan, Michael, EMNRD

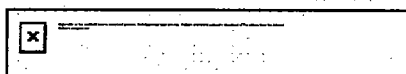
From: TrackingUpdates@fedex.com
Sent: Tuesday, October 31, 2017 10:12 AM
To: Chris Weyand
Subject: FedEx Shipment 770599377942 Delivered

Your package has been delivered

Tracking # 770599377942

Ship date:
Fri, 10/27/2017

Maria Rivas
Lonquist and Co., LLC
Austin, TX 78738
US



Delivered


Delivery date:
Tue, 10/31/2017 10:09
am

1220 South Street
Oil Conservation Div. - District
IV
Francis Drive
SANTA FE, NM 87505
US

Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	<u>770599377942</u>
Status:	Delivered: 10/31/2017 10:09 AM Signed for By: A.KILLOY
Reference:	#1538
Signed for by:	A.KILLOY
Delivery location:	SANTA FE, NM
Delivered to:	Mailroom
Service type:	FedEx 2Day A.M
Packaging type:	Your Packaging
Number of pieces:	1
Weight:	1.00 lb.
Special handling/Services:	Deliver Weekday
Standard transit:	10/31/2017 by 10:30 am

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 11:11 AM CDT on 10/31/2017.

McMillan, Michael, EMNRD

From: TrackingUpdates@fedex.com
Sent: Tuesday, October 31, 2017 12:44 PM
To: Chris Weyand
Subject: FedEx Shipment 770599550871 Delivered

Your package has been delivered

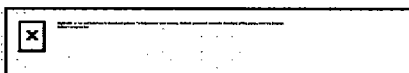
Tracking # 770599550871

Ship date:
Mon, 10/30/2017

Maria Rivas
Lonquist and Co., LLC
Austin, TX 78738
US

Delivery date:
Tue, 10/31/2017 1:41
pm

Matador Production
Company
LBJ Freeway, Suite 1500 One
Lincoln Center, 5400
DALLAS, TX 75240
US




Delivered

Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	<u>770599550871</u>
Status:	Delivered: 10/31/2017 1:41 PM Signed for By: LLISA
Reference:	#1538
Signed for by:	LLISA
Service type:	FedEx Ground
Packaging type:	Package
Number of pieces:	1
Weight:	1.00 lb.
Standard transit:	10/31/2017

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 1:43 PM CDT on 10/31/2017.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

McMillan, Michael, EMNRD

From: TrackingUpdates@fedex.com
Sent: Tuesday, October 31, 2017 12:57 PM
To: Chris Weyand
Subject: FedEx Shipment 770608267189 Delivered

Your package has been delivered

Tracking # 770608267189

Ship date:
Mon, 10/30/2017

Maria Rivas
Lonquist and Co., LLC
Austin, TX 78738
US




Delivery date:
Tue, 10/31/2017 1:50 pm

Marathon Oil Permian LLC
Marathon Oil Permian LLC
5555 San Felipe Street
HOUSTON, TX 77056
US

Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	<u>770608267189</u>
Status:	Delivered: 10/31/2017 1:50 PM Signed for By: CMARCUS
Reference:	#1538
Signed for by:	CMARCUS
Service type:	FedEx Ground
Packaging type:	Package
Number of pieces:	1
Weight:	1.00 lb.
Standard transit:	10/31/2017

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 1:56 PM CDT on 10/31/2017.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

McMillan, Michael, EMNRD

From: TrackingUpdates@fedex.com
Sent: Tuesday, October 31, 2017 1:11 PM
To: Chris Weyand
Subject: FedEx Shipment 770608378123 Delivered

Your package has been delivered

Tracking # 770608378123

Ship date:
Mon, 10/30/2017

Maria Rivas
Lonquist and Co., LLC
Austin, TX 78738
US

Delivery date:
Tue, 10/31/2017 2:09
pm


Peter R. Carter
Peter R. Carter
9320 Stratford Way
DALLAS, TX 75220
US



Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	<u>770608378123</u>
Status:	Delivered: 10/31/2017 2:09 PM
Reference:	#1538
Service type:	FedEx Ground
Packaging type:	Package
Number of pieces:	1
Weight:	1.00 lb.
Standard transit:	10/31/2017

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 2:11 PM CDT on 10/31/2017.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date the package should be delivered by, based on the selected service, destination, and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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McMillan, Michael, EMNRD

From: TrackingUpdates@fedex.com
Sent: Tuesday, October 31, 2017 1:32 PM
To: Chris Weyand
Subject: FedEx Shipment 770608732545 Delivered

Your package has been delivered

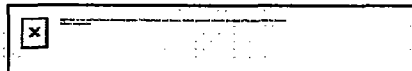
Tracking # 770608732545

Ship date:
Mon, 10/30/2017

Maria Rivas
Lonquist and Co., LLC
Austin, TX 78738
US

Delivery date:
Tue, 10/31/2017 2:29 pm

The Mary Guitar Polk Estate LP
The Mary Guitar Polk Estate LP
#441 15250 Prestonwood Blvd.
DALLAS, TX 75248
US




Delivered

Shipment Facts

Our records indicate that the following package has been delivered:

Tracking number:	<u>770608732545</u>
Status:	Delivered: 10/31/2017 2:29 PM Signed for By: MWILL
Reference:	#1538
Signed for by:	MWILL
Service type:	FedEx Ground
Packaging type:	Package
Number of pieces:	1
Weight:	1.00 lb.
Standard transit:	10/31/2017

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 2:31 PM CDT on 10/31/2017.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

McMillan, Michael, EMNRD

From: TrackingUpdates@fedex.com
Sent: Tuesday, October 31, 2017 1:32 PM
To: Chris Weyand
Subject: FedEx Shipment 770608747548 Delivered

Your package has been delivered

Tracking # 770608747548

Ship date:
Mon, 10/30/2017

Maria Rivas
Lonquist and Co., LLC
Austin, TX 78738
US

Delivery date:
Tue, 10/31/2017 2:29 pm


Ruth Ann Polk Caudle
Ruth Ann Polk Caudle
#441 15250 Prestonwood Blvd.
DALLAS, TX 75248
US



Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	<u>770608747548</u>
Status:	Delivered: 10/31/2017 2:29 PM Signed for By: MWILL
Reference:	#1538
Signed for by:	MWILL
Service type:	FedEx Ground
Packaging type:	Package
Number of pieces:	1
Weight:	1.00 lb.
Standard transit:	10/31/2017

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 2:32 PM CDT on 10/31/2017.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date the package should be delivered by, based on the selected service, destination, and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

McMillan, Michael, EMNRD

From: McMillan, Michael, EMNRD
Sent: Tuesday, October 31, 2017 1:58 PM
To: 'Chris Weyand'
Cc: Goetze, Phillip, EMNRD; Jones, William V, EMNRD
Subject: Alpha SWD Alpha SWD Well No. 2

Chris:

Your application for Alpha SWD Alpha SWD Well No. 2 is cancelled.

The following information is not present:

- No affidavit of publication. I did not see a proposed publication in the packet.
- No proof of mailing

When you get a complete application you may reapply

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

McMillan, Michael, EMNRD

From: Chris Weyand <chris@lonquist.com>
Sent: Wednesday, November 8, 2017 3:52 PM
To: McMillan, Michael, EMNRD
Cc: Goetze, Phillip, EMNRD; Jones, William V, EMNRD
Subject: RE: Alpha SWD Alpha SWD Well No. 2
Attachments: Affidavit for Alpha SWD #2.pdf; Alpha SWD #2 Water Analysis.pdf; Alpha SWD#2 Delivery Receipts.pdf

Mike,

Attached please find the following:

- Affidavit of Publication
- Water analysis from two nearby fresh water wells (C-00333 & C-01891)
- Delivery receipts

Please let me know if you need anything else.

Thanks,

Chris Weyand
Staff Engineer
Lonquist & Co., LLC
(512) 600-1764 Direct
(210) 846-2673 Mobile

From: McMillan, Michael, EMNRD [mailto:Michael.McMillan@state.nm.us]
Sent: Tuesday, October 31, 2017 3:06 PM
To: Chris Weyand
Cc: Goetze, Phillip, EMNRD; Jones, William V, EMNRD
Subject: RE: Alpha SWD Alpha SWD Well No. 2

Your application will not be cancelled

Your application will now be suspended for 10-days until the rest of the notices and affidavit of publication is received
Mike

From: Chris Weyand [mailto:chris@lonquist.com]
Sent: Tuesday, October 31, 2017 2:02 PM
To: McMillan, Michael, EMNRD <Michael.McMillan@state.nm.us>
Cc: Goetze, Phillip, EMNRD <Phillip.Goetze@state.nm.us>; Jones, William V, EMNRD <WilliamV.Jones@state.nm.us>
Subject: RE: Alpha SWD Alpha SWD Well No. 2

Mike,

Here's a proof for the publication that was scheduled to run today and delivery notices that we've received thus far.

Do we still need to reapply?

Thanks,

Chris Weyand
Staff Engineer
Lonquist & Co., LLC
(512) 600-1764 Direct
(210) 846-2673 Mobile

From: McMillan, Michael, EMNRD [<mailto:Michael.McMillan@state.nm.us>]
Sent: Tuesday, October 31, 2017 2:58 PM
To: Chris Weyand
Cc: Goetze, Phillip, EMNRD; Jones, William V, EMNRD
Subject: Alpha SWD Alpha SWD Well No. 2

Chris:

Your application for Alpha SWD Alpha SWD Well No. 2 is cancelled.

The following information is not present:

- No affidavit of publication. I did not see a proposed publication in the packet.
- No proof of mailing

When you get a complete application you may reapply

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

Maria Rivas

From: TrackingUpdates@fedex.com
Sent: Tuesday, October 31, 2017 11:12 AM
To: Chris Weyand
Subject: FedEx Shipment 770599377942 Delivered

Your package has been delivered

Tracking # 770599377942

Ship date:
Fri, 10/27/2017

Maria Rivas

Lonquist and Co., LLC
Austin, TX 78738
US

Delivery date:
Tue, 10/31/2017 10:09
am

1220 South Street
Oil Conservation Div. - District
IV
Francis Drive
SANTA FE, NM 87505
US



Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number: 770599377942

Status: Delivered: 10/31/2017 10:09
AM Signed for By: A.KILLOY

Reference: #1538

Signed for by: A.KILLOY

Delivery location: SANTA FE, NM

Delivered to: Mailroom

Service type: FedEx 2Day A.M

Packaging type: Your Packaging

Number of pieces: 1

Weight: 1.00 lb.

Special handling/Services: Deliver Weekday

Standard transit: 10/31/2017 by 10:30 am

✉ Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 11:11 AM CDT on 10/31/2017.

Maria Rivas

From: TrackingUpdates@fedex.com
Sent: Wednesday, November 01, 2017 3:07 PM
To: Chris Weyand
Subject: FedEx Shipment 770599457829 Delivered

Your package has been delivered

Tracking # 770599457829

Ship date:
Mon, 10/30/2017

Maria Rivas

Lonquist and Co., LLC
Austin, TX 78738
US

Delivery date:
Wed, 11/1/2017 2:05
pm

NM Oil Conservation District
II
811 South First Street
ARTESIA, NM 88210
US



Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number: 770599457829

Status: Delivered: 11/01/2017 2:05
PM Signed for By: RRANDI

Reference: Project # 1538

Signed for by: RRANDI

Service type: FedEx Ground

Packaging type: Package

Number of pieces: 1

Weight: 1.00 lb.

Standard transit: 11/1/2017

✉ Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 3:06 PM CDT on 11/01/2017.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date the package should be delivered by, based on the selected service, destination, and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

Maria Rivas

From: TrackingUpdates@fedex.com
Sent: Tuesday, October 31, 2017 10:35 AM
To: Maria Rivas
Subject: FedEx Shipment 770599508640 Delivered

Your package has been delivered

Tracking # 770599508640

Ship date:
Fri, 10/27/2017
Maria Rivas
Lonquist and Co., LLC
Austin, TX 78738
US



Delivery date:
Tue, 10/31/2017 10:32
am
c/o Glen Webb
Polk land & Minerals, LP
3300 South 14th Street, Suite
206
ABILENE, TX 79605
US

Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number: 770599508640

Status: Delivered: 10/31/2017 10:32
AM Signed for By: G.WEBB

Reference: #1538

Signed for by: G.WEBB

Delivery location: ABILENE, TX

Delivered to: Receptionist/Front Desk

Service type: FedEx 2Day A.M

Packaging type: Your Packaging

Number of pieces: 1

Weight: 1.00 lb.

Special handling/Services: Deliver Weekday

Standard transit: 10/31/2017 by 10:30 am

☒ Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 10:34 AM CDT on 10/31/2017.

Maria Rivas

From: TrackingUpdates@fedex.com
Sent: Tuesday, October 31, 2017 1:44 PM
To: Chris Weyand
Subject: FedEx Shipment 770599550871 Delivered

Your package has been delivered

Tracking # 770599550871

Ship date:
Mon, 10/30/2017

Maria Rivas

Lonquist and Co., LLC
Austin, TX 78738
US

Delivery date:

Tue, 10/31/2017 1:41
pm

Matador Production

Company


LBJ Freeway, Suite 1500 One
Lincoln Center, 5400
DALLAS, TX 75240
US



Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	<u>770599550871</u>
Status:	Delivered: 10/31/2017 1:41 PM Signed for By: LLISA
Reference:	#1538
Signed for by:	LLISA
Service type:	FedEx Ground
Packaging type:	Package
Number of pieces:	1
Weight:	1.00 lb.
Standard transit:	10/31/2017

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 1:43 PM CDT on 10/31/2017.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

FedEx

Maria Rivas

From: TrackingUpdates@fedex.com
Sent: Wednesday, November 01, 2017 12:10 PM
To: Chris Weyand
Subject: FedEx Shipment 770599583050 Delivered

Your package has been delivered

Tracking # 770599583050

Ship date:
Mon, 10/30/2017

Maria Rivas
Longquist and Co., LLC
Austin, TX 78738
US




Delivery date:
Wed, 11/1/2017 12:07
pm

chevron USA Inc.
6301 Deauville Blvd.
MIDLAND, TX 79706
US

Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	<u>770599583050</u>
Status:	Delivered: 11/01/2017 12:07 PM Signed for By: MBROWN
Reference:	#1538
Signed for by:	MBROWN
Service type:	FedEx Ground
Packaging type:	Package
Number of pieces:	1
Weight:	1.00 lb.
Standard transit:	11/1/2017

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 12:09 PM CDT on 11/01/2017.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date the package should be delivered by, based on the selected service, destination, and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

Maria Rivas

From: TrackingUpdates@fedex.com
Sent: Thursday, November 02, 2017 6:34 PM
To: Chris Weyand
Subject: FedEx Shipment 770608051585 Delivered

Your package has been delivered

Tracking # 770608051585

Ship date:
Mon, 10/30/2017

Maria Rivas
Lonquist and Co., LLC
Austin, TX 78738
US



Delivery date:
Thu, 11/2/2017 3:51 pm

Tap Rock Resources
Tap Rock Resources
602 Park Point Drive Suite 200
GOLDEN, CO 80401
US

Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	<u>770608051585</u>
Status:	Delivered: 11/02/2017 3:51 PM Signed for By: RBEERMA
Reference:	1538
Signed for by:	RBEERMA
Delivery location:	Golden, CO
Service type:	FedEx Ground
Packaging type:	Package
Number of pieces:	1
Weight:	1.00 lb.
Standard transit:	11/1/2017

☒ Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 6:34 PM CDT on 11/02/2017.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date the package should be delivered by, based on the selected service, destination, and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

Maria Rivas

From: TrackingUpdates@fedex.com
Sent: Wednesday, November 01, 2017 12:36 PM
To: Chris Weyand
Subject: FedEx Shipment 770608151029 Delivered

Your package has been delivered

Tracking # 770608151029

Ship date:
Mon, 10/30/2017

Maria Rivas

Lonquist and Co., LLC
Austin, TX 78738
US



Delivery date:
Wed, 11/1/2017 12:34
pm

Snow Oil & Gas
Snow Oil & Gas
818 E Broadway St
ANDREWS, TX 79714
US

Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	<u>770608151029</u>
Status:	Delivered: 11/01/2017 12:34 PM
Reference:	1538
Service type:	FedEx Ground
Packaging type:	Package
Number of pieces:	1
Weight:	1.00 lb.
Standard transit:	11/1/2017

Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 12:36 PM CDT on 11/01/2017.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date the package should be delivered by, based on the selected service, destination, and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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Maria Rivas

From: TrackingUpdates@fedex.com
Sent: Wednesday, November 01, 2017 1:58 PM
To: Chris Weyand
Subject: FedEx Shipment 770608173262 Delivered

Your package has been delivered

Tracking # 770608173262

Ship date:
Mon, 10/30/2017

Maria Rivas

Longquist and Co., LLC
Austin, TX 78738
US

Delivery date:

Wed, 11/1/2017 1:55
pm


Crown Oil Partners V, LP
Crown Oil Partners V, LP
4000 N Blg Spring, Suite 300
MIDLAND, TX 79705
US



Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	<u>770608173262</u>
Status:	Delivered: 11/01/2017 1:55 PM Signed for By: ADEVRIS
Reference:	1538
Signed for by:	ADEVRIES
Service type:	FedEx Ground
Packaging type:	Package
Number of pieces:	1
Weight:	1.00 lb.
Standard transit:	11/1/2017

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 1:58 PM CDT on 11/01/2017.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Maria Rivas

From: TrackingUpdates@fedex.com
Sent: Wednesday, November 01, 2017 1:58 PM
To: Chris Weyand
Subject: FedEx Shipment 770608188747 Delivered

Your package has been delivered

Tracking # 770608188747

Ship date:
Mon, 10/30/2017

Maria Rivas
Lonquist and Co., LLC
Austin, TX 78738
US

Delivery date:
Wed, 11/1/2017 1:55
pm

Crump Energy Partners II,
LLC
Crump Energy Partners II, LLC
4000 N Big Spring, Suite 310
MIDLAND, TX 79705
US



Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number: 770608188747

Status: Delivered: 11/01/2017 1:55
PM Signed for By:
ADEVRIES

Reference: #1538

Signed for by: ADEVRIES

Service type: FedEx Ground

Packaging type: Package

Number of pieces: 1

Weight: 1.00 lb.

Standard transit: 11/1/2017

☒ Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 1:58 PM CDT on 11/01/2017.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Maria Rivas

From: TrackingUpdates@fedex.com
Sent: Wednesday, November 01, 2017 4:08 PM
To: Chris Weyand
Subject: FedEx Shipment 770608221989 Delivered

Your package has been delivered

Tracking # 770608221989

Ship date:
Mon, 10/30/2017

Maria Rivas

Lonquist and Co., LLC
Austin, TX 78738
US

Delivery date:

Wed, 11/1/2017 4:04
pm

**Nadel & Gussman Delaware
LLC**

Nadel & Gussman Delaware
LLC
15 East 5th Street Suite 3300
TULSA, OK 74103
US



Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	<u>770608221989</u>
Status:	Delivered: 11/01/2017 4:04 PM Signed for By: PPARDUE
Reference:	#1538
Signed for by:	PPARDUE
Delivery location:	Tulsa, OK
Service type:	FedEx Ground
Packaging type:	Package
Number of pieces:	1
Weight:	1.00 lb.
Standard transit:	11/1/2017

☒ Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 4:07 PM CDT on 11/01/2017.

All weights are estimated.

Maria Rivas

From: TrackingUpdates@fedex.com
Sent: Tuesday, October 31, 2017 1:57 PM
To: Chris Weyand
Subject: FedEx Shipment 770608267189 Delivered

Your package has been delivered

Tracking # 770608267189

Ship date:
Mon, 10/30/2017

Maria Rivas

Lonquist and Co., LLC
Austin, TX 78738
US

Delivery date:
Tue, 10/31/2017 1:50
pm

Marathon Oil Permian LLC
Marathon Oil Permian LLC
5555 San Felipe Street
HOUSTON, TX 77056
US



Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	<u>770608267189</u>
Status:	Delivered: 10/31/2017 1:50 PM Signed for By: CMARCUS
Reference:	#1538
Signed for by:	CMARCUS
Service type:	FedEx Ground
Packaging type:	Package
Number of pieces:	1
Weight:	1.00 lb.
Standard transit:	10/31/2017

☒ Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 1:56 PM CDT on 10/31/2017.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

FedEx

Maria Rivas

From: TrackingUpdates@fedex.com
Sent: Tuesday, October 31, 2017 2:11 PM
To: Chris Weyand
Subject: FedEx Shipment 770608378123 Delivered

Your package has been delivered

Tracking # 770608378123

Ship date:
Mon, 10/30/2017

Maria Rivas

Lonquist and Co., LLC
Austin, TX 78738
US

Delivery date:
Tue, 10/31/2017 2:09
pm

Peter R. Carter

Peter R. Carter
9320 Stratford Way
DALLAS, TX 75220
US



Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	<u>770608378123</u>
Status:	Delivered: 10/31/2017 2:09 PM
Reference:	#1538
Service type:	FedEx Ground
Packaging type:	Package
Number of pieces:	1
Weight:	1.00 lb.
Standard transit:	10/31/2017

☒ Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 2:11 PM CDT on 10/31/2017.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

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Maria Rivas

From: TrackingUpdates@fedex.com
Sent: Thursday, November 02, 2017 11:15 AM
To: Chris Weyand
Subject: FedEx Shipment 770608514871 Delivered

Your package has been delivered

Tracking # 770608514871

Ship date:
Mon, 10/30/2017

Maria Rivas
Lonquist and Co., LLC
Austin, TX 78738
US

Delivery date:
Thu, 11/2/2017 10:14
am


Barbara Carter
Barbara Carter
24 Condessa Road
SANTA FE, NM 87508
US



Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	<u>770608514871</u>
Status:	Delivered: 11/02/2017 10:14 AM Signed for By: Signature Not Req
Reference:	#1538
Signed for by:	Signature Not Req
Service type:	FedEx Ground
Packaging type:	Package
Number of pieces:	1
Weight:	1.00 lb.
Standard transit:	11/2/2017

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 11:15 AM CDT on 11/02/2017.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

FedEx

Maria Rivas

From: TrackingUpdates@fedex.com
Sent: Wednesday, November 01, 2017 10:24 AM
To: Chris Weyand
Subject: FedEx Shipment 770608568790 Delivered

Your package has been delivered

Tracking # 770608568790

Ship date:
Mon, 10/30/2017

Maria Rivas
Lonquist and Co., LLC
Austin, TX 78738
US

Delivery date:
Wed, 11/1/2017 10:23
am


Edmund T Anderson
Edmund T Anderson
2521 Humble
MIDLAND, TX 79705
US



Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	<u>770608568790</u>
Status:	Delivered: 11/01/2017 10:23 AM Signed for By: Signature Not Req
Reference:	#1538
Signed for by:	Signature Not Req
Service type:	FedEx Ground
Packaging type:	Package
Number of pieces:	1
Weight:	1.00 lb.
Standard transit:	11/1/2017

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 10:24 AM CDT on 11/01/2017.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Maria Rivas

From: TrackingUpdates@fedex.com
Sent: Wednesday, November 01, 2017 10:25 AM
To: Chris Weyand
Subject: FedEx Shipment 770608584960 Delivered

Your package has been delivered

Tracking # 770608584960

Ship date:
Mon, 10/30/2017

Maria Rivas
Lonquist and Co., LLC
Austin, TX 78738
US

Delivery date:
Wed, 11/1/2017 10:23
am


Edmund T. Anderson, IV,
Trustee
Mary Anderson Boll Family
Trust
2521 Humble
MIDLAND, TX 79705
US



Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	<u>770608584960</u>
Status:	Delivered: 11/01/2017 10:23 AM Signed for By: Signature Not Req
Reference:	#1538
Signed for by:	Signature Not Req
Service type:	FedEx Ground
Packaging type:	Package
Number of pieces:	1
Weight:	1.00 lb.
Standard transit:	11/1/2017

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 10:24 AM CDT on 11/01/2017.

All weights are estimated.

Maria Rivas

From: TrackingUpdates@fedex.com
Sent: Tuesday, October 31, 2017 2:32 PM
To: Chris Weyand
Subject: FedEx Shipment 770608732545 Delivered

Your package has been delivered

Tracking # 770608732545

Ship date:
Mon, 10/30/2017

Maria Rivas

Lonquist and Co., LLC
Austin, TX 78738
US

Delivery date:
Tue, 10/31/2017 2:29
pm

**The Mary Gultar Polk Estate
LP**

The Mary Gultar Polk Estate LP
#441 15250 Prestonwood Blvd.
DALLAS, TX 75248
US



Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	<u>770608732545</u>
Status:	Delivered: 10/31/2017 2:29 PM Signed for By: MWILL
Reference:	#1538
Signed for by:	MWILL
Service type:	FedEx Ground
Packaging type:	Package
Number of pieces:	1
Weight:	1.00 lb.
Standard transit:	10/31/2017

✉ Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 2:31 PM CDT on 10/31/2017.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Maria Rivas

From: TrackingUpdates@fedex.com
Sent: Tuesday, October 31, 2017 2:32 PM
To: Chris Weyand
Subject: FedEx Shipment 770608747548 Delivered

Your package has been delivered

Tracking # 770608747548

Ship date:
Mon, 10/30/2017

Maria Rivas

Lonquist and Co., LLC
Austin, TX 78738
US

Delivery date:
Tue, 10/31/2017 2:29
pm

Ruth Ann Polk Caudle

Ruth Ann Polk Caudle
#441 15250 Prestonwood Blvd.
DALLAS, TX 75248
US



Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	<u>770608747548</u>
Status:	Delivered: 10/31/2017 2:29 PM Signed for By: MWILL
Reference:	#1538
Signed for by:	MWILL
Service type:	FedEx Ground
Packaging type:	Package
Number of pieces:	1
Weight:	1.00 lb.
Standard transit:	10/31/2017

✉ Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 2:32 PM CDT on 10/31/2017.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

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Maria Rivas

From: TrackingUpdates@fedex.com
Sent: Tuesday, November 07, 2017 6:10 PM
To: Chris Weyand
Subject: FedEx Shipment 770668744474 Delivered

Your package has been delivered

Tracking # 770668744474

Ship date:
Fri, 11/3/2017

Maria Rivas
Lonquist and Co., LLC
Austin, TX 78738
US

Delivery date:
Tue, 11/7/2017 6:08 pm

Catherine Parker & Craig
Parker
Catherine Parker & Craig Parker
3721 Pallos Verdas
DALLAS, TX 75229
US



Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	<u>770668744474</u>
Status:	Delivered: 11/07/2017 6:08 PM Signed for By: Signature Not Req
Reference:	#1538
Signed for by:	Signature Not Req
Service type:	FedEx Ground
Packaging type:	Package
Number of pieces:	1
Weight:	1.00 lb.
Standard transit:	11/6/2017

☒ Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 8:09 PM CST on 11/07/2017.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

FedEx

Maria Rivas

From: TrackingUpdates@fedex.com
Sent: Monday, November 06, 2017 6:05 PM
To: Chris Weyand
Subject: FedEx Shipment 770668810230 Delivered

Your package has been delivered

Tracking # 770668810230

Ship date:
Fri, 11/3/2017

Maria Rivas

Longist and Co., LLC
Austin, TX 78738
US

Delivery date:
Mon, 11/6/2017 6:04
pm

Caki Family Limited
Partnership
3721 Pallos Verdas
DALLAS, TX 75229
US



Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	<u>770668810230</u>
Status:	Delivered: 11/06/2017 6:04 PM Signed for By: Signature Not Req
Reference:	#1538
Signed for by:	Signature Not Req
Service type:	FedEx Ground
Packaging type:	Package
Number of pieces:	1
Weight:	1.00 lb.
Standard transit:	11/6/2017

☒ Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 6:05 PM CST on 11/06/2017.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

FedEx



November 8, 2017

Dear Customer:

The following is the proof-of-delivery for tracking number **770682019651**.

Delivery Information:

Status:	Delivered	Delivered to:	Receptionist/Front Desk
Signed for by:	S.PINKERTON	Delivery location:	MIDLAND, TX
Service type:	FedEx Priority Overnight	Delivery date:	Nov 7, 2017 12:35
Special Handling:	Deliver Weekday		

Signature image is available. In order to view image and detailed information, the shipper or payor account number of the shipment must be provided.

Shipping Information:

Tracking number:	770682019651	Ship date:	Nov 6, 2017
		Weight:	0.5 lbs/0.2 kg

Recipient:
MIDLAND, TX US

Shipper:
Austin, TX US

Reference

#

Thank you for choosing FedEx.

Maria Rivas

From: auto-reply@usps.com
Sent: Monday, November 06, 2017 11:07 AM
To: Chris Weyand
Subject: USPS® Item Delivered, To Agent 70141820000032039875



Hello **Chris Weyand**,

Your item has been delivered to an agent at 4:46 am on November 6, 2017 in HOUSTON, TX 77210.

Tracking Number: **70141820000032039875**

Delivered, To Agent



Tracking & Delivery Options

My Account

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Want regular updates on your package? [Set up text alerts](#).

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Maria Rivas

From: auto-reply@usps.com
Sent: Friday, November 03, 2017 9:05 AM
To: Chris Weyand
Subject: USPS® Item Delivered, Individual Picked Up at Postal Facility 70171000000034025471



Hello **Chris Weyand**,

Your item was picked up at a postal facility at 8:15 am on November 2, 2017 in ABILENE, TX 79604.

Tracking Number: **70171000000034025471**

Delivered, Individual Picked Up at Postal Facility



Tracking & Delivery Options

My Account

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Maria Rivas

From: auto-reply@usps.com
Sent: Monday, November 06, 2017 10:09 AM
To: Chris Weyand
Subject: USPS® Item Delivered, Individual Picked Up at Post Office 70171000000034025518



Hello **Chris Weyand**,

Your item was picked up at the post office at 11:37 am on November 4, 2017 in LOVING, NM 88256.

Tracking Number: **70171000000034025518**

Delivered, Individual Picked Up at Post Office



Tracking & Delivery Options

My Account

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Maria Rivas

From: auto-reply@usps.com
Sent: Friday, November 03, 2017 11:27 AM
To: Chris Weyand
Subject: USPS® Item Delivered 70171000000034025525



Hello **Chris Weyand**,

Your item was delivered at 11:08 am on November 3, 2017 in ABILENE, TX 79601.

Tracking Number: **70171000000034025525**

Delivered



Tracking & Delivery Options

My Account

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Maria Rivas

From: auto-reply@usps.com
Sent: Friday, November 03, 2017 9:15 AM
To: Chris Weyand
Subject: USPS® Item Delivered 70171000000034025563



Hello **Chris Weyand**,

Your item was delivered at 10:57 am on November 2, 2017 in MIDLAND, TX 79705.

Tracking Number: **70171000000034025563**

Delivered



Tracking & Delivery Options

My Account

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online or via email.



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Maria Rivas

From: auto-reply@usps.com
Sent: Friday, November 03, 2017 9:17 AM
To: Chris Weyand
Subject: USPS® Item Delivered, Left with Individual 70171000000034025594



**UNITED STATES
POSTAL SERVICE®**

Hello **Chris Weyand**,

Your item was delivered to an individual at the address at 12:11 pm on November 2, 2017 in DALLAS, TX 75205.

Tracking Number: **70171000000034025594**

Delivered, Left with Individual



Tracking & Delivery Options

My Account

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Want regular updates on your package? **Set up text alerts.**

INFORMED DELIVERY®

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online or via email.



Download USPS Mobile®

Maria Rivas

From: auto-reply@usps.com
Sent: Friday, November 03, 2017 2:37 PM
To: Chris Weyand
Subject: USPS® Item Delivered, Left with Individual 70171000000034025600



Hello **Chris Weyand**,

Your item was delivered to an individual at the address at 2:31 pm on November 3, 2017 in LUBBOCK, TX 79423.

Tracking Number: **70171000000034025600**

Delivered, Left with Individual



Tracking & Delivery Options

My Account

Visit **USPS Tracking®** to check the most up-to-date status of your package. Sign up for **Informed Delivery®** to digitally preview the address side of your incoming letter-sized mail and manage your packages scheduled to arrive soon! To update how frequently you receive emails from USPS, log in to your **USPS.com** account.

Want regular updates on your package? **Set up text alerts.**

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Download USPS Mobile®

Maria Rivas

From: auto-reply@usps.com
Sent: Wednesday, November 08, 2017 11:17 AM
To: Chris Weyand
Subject: USPS® Item Delivered 70171000000034025631



Hello **Chris Weyand**,

Your item was delivered at 10:06 am on November 7, 2017 in ABILENE, TX 79601.

Tracking Number: **70171000000034025631**

Delivered



Tracking & Delivery Options

My Account

Visit **USPS Tracking®** to check the most up-to-date status of your package. Sign up for **Informed Delivery®** to digitally preview the address side of your incoming letter-sized mail and manage your packages scheduled to arrive soon! To update how frequently you receive emails from USPS, log in to your **USPS.com** account.

Want regular updates on your package? **Set up text alerts.**

INFORMED DELIVERY®

Sign up to view your mail
online or via email.



Download USPS Mobile®



Maria Rivas

From: auto-reply@usps.com
Sent: Friday, November 03, 2017 3:25 PM
To: Chris Weyand
Subject: USPS® Ready for Pickup 70171000000034025587



Hello **Chris Weyand**,

Your package is **ready for pickup** at your designated post office.

Your item arrived at the RICHARDSON, TX 75083 post office at 1:46 pm on November 3, 2017 and is ready for pickup.

Tracking Number: **70171000000034025587**

Ready for Pickup!



Tracking & Delivery Options

My Account

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SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY		SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<p>■ Complete items 1, 2, and 3.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p>		<p>A. Signature <i>[Signature]</i> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>[Name]</i> C. Date of Delivery <i>11/2/17</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, enter delivery address below: <input type="checkbox"/> No</p>		<p>■ Complete items 1, 2, and 3.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p>		<p>A. Signature <i>[Signature]</i> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>[Name]</i> C. Date of Delivery <i>11/2/17</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, enter delivery address below: <input type="checkbox"/> No</p>	
1. Article Addressed to: JPH Holdings, LP 4400 Arcady Dallas, TX 75205				1. Article Addressed to: CrownRock Minerals, L.P. P.O. Box 51933 Midland, TX 79710			
2. Article Number (Transfer from service label) 9590 9402 3107 7166 6872 43		3. Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery		3. Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery			
7017 1000 0000 3402 5594 PS Form 3811, July 2015 PSN 7530-02-000-9063		Domestic Return Receipt		7017 1000 0000 3402 5563 PS Form 3811, July 2015 PSN 7530-02-000-9063		Domestic Return Receipt	

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY		SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
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1. Article Addressed to: Jeri Alexander Mangum, Ika Jeri Alexander Lott and First Financial Trust and Asset Management Co., N.A., as Trustees of the Carol Gibson Trust and Cynthia Rhodes Trust P.O. Box 701 Abilene, TX 79604				1. Article Addressed to: Sally Carter Ballard 3616 133rd St. Lubbock, TX 79423			
2. Article Number (Transfer from service label) 9590 9402 3107 7166 6872 2U		3. Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery		3. Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery			
7017 1000 0000 3402 5471 PS Form 3811, July 2015 PSN 7530-02-000-9063		Domestic Return Receipt		7017 1000 0000 3402 5600 PS Form 3811, July 2015 PSN 7530-02-000-9063		Domestic Return Receipt	

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY		SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
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1. Article Addressed to: JMA Oil Properties, Ltd, Whose General Partner is JMA Management, LLC P.O. Box 58 Abilene, TX 79604				1. Article Addressed to: Emma U. Carrasco P.O. Box 26 Loving, NM 88256			
2. Article Number (Transfer from service label) 9590 9402 3107 7166 6872 00		3. Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery		3. Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery			
7017 1000 0000 3402 5525 PS Form 3811, July 2015 PSN 7530-02-000-9063		Domestic Return Receipt		7017 1000 0000 3402 5518 PS Form 3811, July 2015 PSN 7530-02-000-9063		Domestic Return Receipt	

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1. Article Addressed to: Truchas Peaks, LLC 110 Louisiana, Suite 500 Midland, TX 79701				1. Article Addressed to: Oxy USA WTP Limited Partnership P. O. Box 4294 Houston, Texas 77210			
2. Article Number (Transfer from service label) 9590 9402 3107 7166 6873 29		3. Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery		3. Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery			
7017 1000 0000 3402 5570 PS Form 3811, July 2015 PSN 7530-02-000-9063		Domestic Return Receipt		7014 1620 0000 3203 9875 PS Form 3811, July 2015 PSN 7530-02-000-9063		Domestic Return Receipt	

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY		SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
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1. Article Addressed to: Guitar Land & Cattle, LP P.O. Box 2213 Abilene, TX 79604				1. Article Addressed to: Honey's Heritage LP P.O. Box 833206 Richardson, TX 75083-3206			
2. Article Number (Transfer from service label) 9590 9402 3107 7166 6873 36		3. Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery		3. Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery			
7017 1000 0000 3402 55A7 PS Form 3811, July 2015 PSN 7530-02-000-9063		Domestic Return Receipt		7017 1000 0000 3402 55A7 PS Form 3811, July 2015 PSN 7530-02-000-9063		Domestic Return Receipt	

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.

Article Addressed to:
Carl B + Margaret Ann
Gutier Revocable Trust
PO Box 748
Abilene, TX 79604

9590 9402 3291 7196 8828 22

Article Number (Transfer from service label)

7016 3560 0000 5828 3507

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature ☒ Agent ☐ Addressee
B. Received by (Printed Name) ☒ Date of Delivery 11/14/17
C. Is delivery address different from item 1? ☐ Yes ☒ No
D. If YES, enter delivery address below:

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

Domestic Return Receipt

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:
KAREN GALL LUCAS TRUST
P.O. Box 90621
AUSTIN, TX 78709-0621

9590 9402 3101 7100 0000 01

2. Article Number (Transfer from service label)
7017 1000 0000 3402 5662

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature ☒ Agent ☐ Addressee
B. Received by (Printed Name) ☒ Date of Delivery 11/15/17
C. Is delivery address different from item 1? ☐ Yes ☒ No
D. If YES, enter delivery address below:

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

Domestic Return Receipt

CARDINAL LABORATORIES **SCALE INDEX WATER ANALYSIS REPORT**

Company : LONGQUIST FIELD SERVICES
 Lease Name : NOT GIVEN
 Well Number : WELL C 00333 (H702956-01)
 Location : NOT GIVEN

Date Sampled : 10/27/17
 Company Rep. : CHRIS WEYAND

ANALYSIS

1. pH	6.56	
2. Specific Gravity @ 60/60 F.	1.0100	
3. CaCO3 Saturation Index @ 80 F.	+0.582	'Calcium Carbonate Scale Possible'
@ 140 F.	+1.432	'Calcium Carbonate Scale Possible'

Dissolved Gasses

4. Hydrogen Sulfide	0.012	PPM
5. Carbon Dioxide	ND	PPM
6. Dissolved Oxygen	ND	PPM

Cations

		/	Eq. Wt.	=	MEQ/L
7. Calcium (Ca++)	1,110.00	/	20.1	=	55.22
8. Magnesium (Mg++)	335.00	/	12.2	=	27.46
9. Sodium (Na+)	1,740	/	23.0	=	90.79
10. Barium (Ba++)	0.000	/	68.7	=	0.00

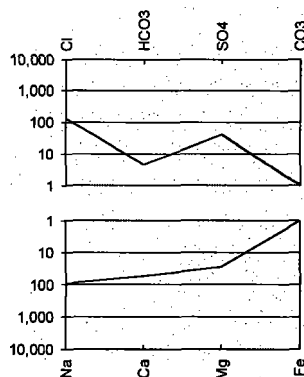
Anions

11. Hydroxyl (OH-)	0	/	17.0	=	0.00
12. Carbonate (CO3=)	0	/	30.0	=	0.00
13. Bicarbonate (HCO3-)	278	/	61.1	=	4.55
14. Sulfate (SO4=)	1,920	/	48.8	=	39.34
15. Chloride (Cl-)	4,600	/	35.5	=	129.58

Other

16. Total Iron (Fe)	0.000	/	18.2	=	0.00
17. Total Dissolved Solids	10,400				
18. Total Hardness As CaCO3	4,151.0				
19. Calcium Sulfate Solubility @ 90 F.	2,620				'Calcium Sulfate Scale Possible'
20. Resistivity (Measured)	0.827				Ohm/Meters @ 77 Degrees (F)

Logarithmic Water Pattern



PROBABLE MINERAL COMPOSITION

COMPOUND	Eq. Wt.	X	MEQ/L	=	mg/L
Ca(HCO3)2	81.04	X	4.55	=	369
CaSO4	68.07	X	39.34	=	2,678
CaCl2	55.50	X	11.33	=	629
Mg(HCO3)2	73.17	X	0.00	=	0
MgSO4	60.19	X	0.00	=	0
MgCl2	47.62	X	27.46	=	1,308
NaHCO3	84.00	X	0.00	=	0
NaSO4	71.03	X	0.00	=	0
NaCl	58.46	X	90.79	=	5,308

CARDINAL LABORATORIES **SCALE INDEX WATER ANALYSIS REPORT**

Company : LONGQUIST FIELD SERVICES	Date Sampled : 10/27/17
Lease Name : NOT GIVEN	Company Rep. : CHRIS WEYAND
Well Number : WELL C 01891 (H702956-02)	
Location : NOT GIVEN	

ANALYSIS

1. pH	6.84	
2. Specific Gravity @ 60/60 F.	1.0090	
3. CaCO ₃ Saturation Index @ 80 F.	+0.924	'Calcium Carbonate Scale Possible'
@ 140 F.	+1.624	'Calcium Carbonate Scale Possible'

Dissolved Gasses

4. Hydrogen Sulfide	0.000	PPM
5. Carbon Dioxide	ND	PPM
6. Dissolved Oxygen	ND	PPM

Cations

		/	Eq. Wt.	=	MEQ/L
7. Calcium (Ca++)	944.00	/	20.1	=	46.97
8. Magnesium (Mg++)	221.00	/	12.2	=	18.11
9. Sodium (Na+)	1,050	/	23.0	=	54.83
10. Barium (Ba++)	0.000	/	68.7	=	0.00

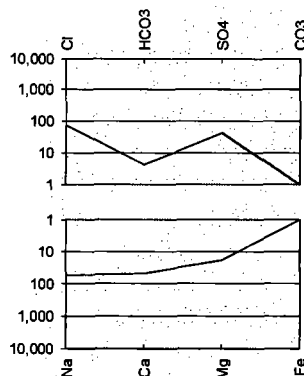
Anions

11. Hydroxyl (OH-)	0	/	17.0	=	0.00
12. Carbonate (CO ₃ =)	0	/	30.0	=	0.00
13. Bicarbonate (HCO ₃ -)	249	/	61.1	=	4.08
14. Sulfate (SO ₄ =)	2,010	/	48.8	=	41.19
15. Chloride (Cl-)	2,650	/	35.5	=	74.65

Other

16. Total Iron (Fe)	1.980	/	18.2	=	0.11
17. Total Dissolved Solids	7,400				
18. Total Hardness As CaCO ₃	3,267.0				
19. Calcium Sulfate Solubility @ 90 F.	2,622				'Calcium Sulfate Scale Possible'
20. Resistivity (Measured)	1.168				Ohm/Meters @ 77 Degrees (F)

Logarithmic Water Pattern



PROBABLE MINERAL COMPOSITION

COMPOUND	Eq. Wt.	X	MEQ/L	=	mg/L
Ca(HCO ₃) ₂	81.04	X	4.08	=	330
CaSO ₄	68.07	X	41.19	=	2,804
CaCl ₂	55.50	X	1.70	=	94
Mg(HCO ₃) ₂	73.17	X	0.00	=	0
MgSO ₄	60.19	X	0.00	=	0
MgCl ₂	47.62	X	18.11	=	863
NaHCO ₃	84.00	X	0.00	=	0
NaSO ₄	71.03	X	0.00	=	0
NaCl	58.46	X	54.83	=	3,205



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

November 03, 2017

CHRIS WEYAND

Lonquist Field Services, LLC

3345 Bee Cave Road, Suite 201

Austin, TX 78746

RE: WATER SAMPLES

Enclosed are the results of analyses for samples received by the laboratory on 10/27/17 14:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-9. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

Lonquist Field Services, LLC
3345 Bee Cave Road, Suite 201
Austin TX, 78746

Project: WATER SAMPLES
Project Number: NONE GIVEN
Project Manager: CHRIS WEYAND
Fax To: (512) 732-9816

Reported:
03-Nov-17 16:45

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WELL C- 00333	H702956-01	Water	27-Oct-17 10:00	27-Oct-17 14:50
WELL C- 01891	H702956-02	Water	27-Oct-17 11:00	27-Oct-17 14:50

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Lonquist Field Services, LLC
3345 Bee Cave Road, Suite 201
Austin TX, 78746

Project: WATER SAMPLES
Project Number: NONE GIVEN
Project Manager: CHRIS WEYAND
Fax To: (512) 732-9816

Reported:
03-Nov-17 16:45

WELL C- 00333
H702956-01 (Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	278		5.00	mg/L	1	7101105	AC	30-Oct-17	310.1	
Alkalinity, Carbonate	<1.00		1.00	mg/L	1	7101105	AC	30-Oct-17	310.1	
Chloride*	4600		4.00	mg/L	1	7103006	AC	30-Oct-17	4500-Cl-B	
Conductivity*	12100		1.00	uS/cm	1	7102713	AC	27-Oct-17	120.1	
pH*	6.56		0.100	pH Units	1	7102713	AC	27-Oct-17	150.1	
Resistivity	0.827			Ohms/m	1	7102713	AC	27-Oct-17	120.1	
Specific Gravity @ 60° F	1.010		0.000	[blank]	1	7110311	AC	03-Nov-17	SM 2710F	
Sulfate*	1920		250	mg/L	25	7103009	AC	30-Oct-17	375.4	
TDS*	10400		5.00	mg/L	1	7102613	AC	30-Oct-17	160.1	
Alkalinity, Total*	228		4.00	mg/L	1	7101105	AC	30-Oct-17	310.1	
Sulfide, total	0.0122		0.0100	mg/L	1	7103007	AC	30-Oct-17	376.2	

Green Analytical Laboratories

Total Recoverable Metals by ICP (E200.7)

Barium*	<1.25	1.25	mg/L	25	B710265	JDA	01-Nov-17	EPA200.7	M5
Calcium*	1110	2.50	mg/L	25	B710265	JDA	01-Nov-17	EPA200.7	
Iron*	<1.25	1.25	mg/L	25	B710265	JDA	01-Nov-17	EPA200.7	
Magnesium*	335	2.50	mg/L	25	B710265	JDA	01-Nov-17	EPA200.7	
Potassium*	<25.0	25.0	mg/L	25	B710265	JDA	01-Nov-17	EPA200.7	M5
Sodium*	1740	25.0	mg/L	25	B710265	JDA	01-Nov-17	EPA200.7	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Lonquist Field Services, LLC
 3345 Bee Cave Road, Suite 201
 Austin TX, 78746

 Project: WATER SAMPLES
 Project Number: NONE GIVEN
 Project Manager: CHRIS WEYAND
 Fax To: (512) 732-9816

 Reported:
 03-Nov-17 16:45

WELL C- 01891
H702956-02 (Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Alkalinity, Bicarbonate	249		5.00	mg/L	1	7101105	AC	30-Oct-17	310.1	
Alkalinity, Carbonate	<1.00		1.00	mg/L	1	7101105	AC	30-Oct-17	310.1	
Chloride*	2650		4.00	mg/L	1	7103006	AC	30-Oct-17	4500-Cl-B	
Conductivity*	8560		1.00	uS/cm	1	7102713	AC	27-Oct-17	120.1	
pH*	6.84		0.100	pH Units	1	7102713	AC	27-Oct-17	150.1	
Resistivity	1.17			Ohms/m	1	7102713	AC	27-Oct-17	120.1	
Specific Gravity @ 60° F	1.009		0.000	[blank]	1	7110311	AC	03-Nov-17	SM 2710F	
Sulfate*	2010		500	mg/L	50	7103009	AC	30-Oct-17	375.4	
TDS*	7400		5.00	mg/L	1	7102613	AC	30-Oct-17	160.1	
Alkalinity, Total*	204		4.00	mg/L	1	7101105	AC	30-Oct-17	310.1	
Sulfide, total	<0.0100		0.0100	mg/L	1	7103007	AC	30-Oct-17	376.2	

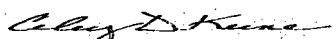
Green Analytical Laboratories
Total Recoverable Metals by ICP (E200.7)

Barium*	<1.25		1.25	mg/L	25	B710265	JDA	01-Nov-17	EPA200.7	
Calcium*	944		2.50	mg/L	25	B710265	JDA	01-Nov-17	EPA200.7	
Iron*	1.98		1.25	mg/L	25	B710265	JDA	01-Nov-17	EPA200.7	
Magnesium*	221		2.50	mg/L	25	B710265	JDA	01-Nov-17	EPA200.7	
Potassium*	<25.0		25.0	mg/L	25	B710265	JDA	01-Nov-17	EPA200.7	
Sodium*	1050		25.0	mg/L	25	B710265	JDA	01-Nov-17	EPA200.7	

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Analytical Results For:

 Lonquist Field Services, LLC
 3345 Bee Cave Road, Suite 201
 Austin TX, 78746

 Project: WATER SAMPLES
 Project Number: NONE GIVEN
 Project Manager: CHRIS WEYAND
 Fax To: (512) 732-9816

 Reported:
 03-Nov-17 16:45

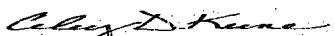
Inorganic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7101105 - General Prep - Wet Chem										
Blank (7101105-BLK1)										
Prepared & Analyzed: 11-Oct-17										
Alkalinity, Carbonate	ND	1.00	mg/L							
Alkalinity, Bicarbonate	5.00	5.00	mg/L							
Alkalinity, Total	4.00	4.00	mg/L							
LCS (7101105-BS1)										
Prepared & Analyzed: 11-Oct-17										
Alkalinity, Carbonate	ND	2.50	mg/L				80-120			
Alkalinity, Bicarbonate	318	12.5	mg/L				80-120			
Alkalinity, Total	260	10.0	mg/L	250		104	80-120			
LCS Dup (7101105-BSD1)										
Prepared & Analyzed: 11-Oct-17										
Alkalinity, Carbonate	ND	2.50	mg/L				80-120		20	
Alkalinity, Bicarbonate	330	12.5	mg/L				80-120	3.86	20	
Alkalinity, Total	270	10.0	mg/L	250		108	80-120	3.77	20	
Batch 7102613 - Filtration										
Blank (7102613-BLK1)										
Prepared: 26-Oct-17 Analyzed: 28-Oct-17										
TDS	ND	5.00	mg/L							
LCS (7102613-BS1)										
Prepared: 26-Oct-17 Analyzed: 30-Oct-17										
TDS	217	5.00	mg/L	213		102	80-120			
Duplicate (7102613-DUP1)										
Source: H702901-17 Prepared: 26-Oct-17 Analyzed: 28-Oct-17										
TDS	702	5.00	mg/L		674			4.07	20	
Batch 7102713 - General Prep - Wet Chem										
LCS (7102713-BS1)										
Prepared & Analyzed: 27-Oct-17										
Conductivity	467		uS/cm	500		93.4	80-120			
pH	7.07		pH Units	7.00		101	90-110			

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Lonquist Field Services, LLC
 3345 Bee Cave Road, Suite 201
 Austin TX, 78746

 Project: WATER SAMPLES
 Project Number: NONE GIVEN
 Project Manager: CHRIS WEYAND
 Fax To: (512) 732-9816

 Reported:
 03-Nov-17 16:45

Inorganic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7102713 - General Prep - Wet Chem
Duplicate (7102713-DUP1)

Source: H702952-06

Prepared & Analyzed: 27-Oct-17

Conductivity	3690	1.00	uS/cm		3690			0.00	20	
pH	8.24	0.100	pH Units		8.23			0.121	20	
Resistivity	2.71		Ohms/m		2.71			0.00	20	

Batch 7103006 - General Prep - Wet Chem
Blank (7103006-BLK1)

Prepared & Analyzed: 30-Oct-17

Chloride	ND	4.00	mg/L							
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LCS (7103006-BS1)

Prepared & Analyzed: 30-Oct-17

Chloride	104	4.00	mg/L	100	104	80-120				
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LCS Dup (7103006-BSD1)

Prepared & Analyzed: 30-Oct-17

Chloride	104	4.00	mg/L	100	104	80-120	0.00	20		
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Batch 7103007 - General Prep - Wet Chem
Blank (7103007-BLK1)

Prepared & Analyzed: 30-Oct-17

Sulfide, total	ND	0.0100	mg/L							
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Duplicate (7103007-DUP1)

Source: H702952-06

Prepared & Analyzed: 30-Oct-17

Sulfide, total	0.00700	0.0100	mg/L		0.00600			15.4	20	
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Batch 7103009 - General Prep - Wet Chem
Blank (7103009-BLK1)

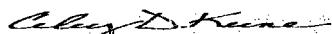
Prepared & Analyzed: 30-Oct-17

Sulfate	ND	10.0	mg/L							
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

Lonquist Field Services, LLC
3345 Bee Cave Road, Suite 201
Austin TX, 78746

Project: WATER SAMPLES
Project Number: NONE GIVEN
Project Manager: CHRIS WEYAND
Fax To: (512) 732-9816

Reported:
03-Nov-17 16:45

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7103009 - General Prep - Wet Chem**LCS (7103009-BS1)**

Prepared & Analyzed: 30-Oct-17

Sulfate	23.3	10.0	mg/L	20.0		116	80-120			
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LCS Dup (7103009-BSD1)

Prepared & Analyzed: 30-Oct-17

Sulfate	23.0	10.0	mg/L	20.0		115	80-120	1.21	20	
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Batch 7110311 - General Prep - Wet Chem**Duplicate (7110311-DUP1)**

Source: H702956-01

Prepared & Analyzed: 03-Nov-17

Specific Gravity @ 60° F	1.010	0.000	[blank]		1.010			0.0505	20	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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Lonquist Field Services, LLC
3345 Bee Cave Road, Suite 201
Austin TX, 78746

Project: WATER SAMPLES
Project Number: NONE GIVEN
Project Manager: CHRIS WEYAND
Fax To: (512) 732-9816

Reported:
03-Nov-17 16:45

Total Recoverable Metals by ICP (E200.7) - Quality Control
Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B710265 - Total Rec. 200.7/200.8/200.2
Blank (B710265-BLK1)

Prepared: 31-Oct-17 Analyzed: 01-Nov-17

Iron	ND	0.050	mg/L							
Sodium	ND	1.00	mg/L							
Calcium	ND	0.100	mg/L							
Potassium	ND	1.00	mg/L							
Magnesium	ND	0.100	mg/L							
Barium	ND	0.050	mg/L							

LCS (B710265-BS1)

Prepared: 31-Oct-17 Analyzed: 01-Nov-17

Sodium	6.72	1.00	mg/L	6.48		104	85-115			
Barium	2.08	0.050	mg/L	2.00		104	85-115			
Potassium	8.33	1.00	mg/L	8.00		104	85-115			
Magnesium	20.8	0.100	mg/L	20.0		104	85-115			
Calcium	4.07	0.100	mg/L	4.00		102	85-115			
Iron	4.12	0.050	mg/L	4.00		103	85-115			

LCS Dup (B710265-BSD1)

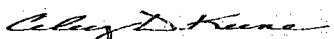
Prepared: 31-Oct-17 Analyzed: 01-Nov-17

Calcium	4.21	0.100	mg/L	4.00		105	85-115	3.31	20	
Potassium	8.50	1.00	mg/L	8.00		106	85-115	2.02	20	
Sodium	6.83	1.00	mg/L	6.48		105	85-115	1.59	20	
Barium	2.11	0.050	mg/L	2.00		105	85-115	1.47	20	
Iron	4.22	0.050	mg/L	4.00		106	85-115	2.58	20	
Magnesium	21.3	0.100	mg/L	20.0		107	85-115	2.55	20	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

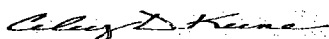
Notes and Definitions

M5	Sample was chosen for matrix spike. Spike recovery did not meet laboratory acceptance criteria, possible matrix interference in sample.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Caley D. Keene, Lab Director/Quality Manager



**101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476**

† Cardinal cannot accept verbal changes. Please fax written changes to (515) 499-2326 or email cardinal@1250.org

Affidavit of Publication

State of New Mexico,
County of Eddy, ss.

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

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

October 31 2017

That the cost of publication is \$68.15
and that payment thereof has been
made and will be assessed as court
costs.

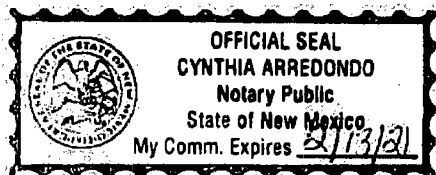
[Signature]

Subscribed and sworn to before me
this 3 day of November 2017

Cynthia Arredondo

My commission Expires 2/13/21

Notary Public



October 31, 2017

Legal Notice

Alpha SWD Operating LLC, 4436 Sterling Ln, Plano, Texas 75093 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 Alpha SWD No. 2. The proposed well will be located 353' FNL & 2,398' FWL in Section 18, Township 23S, Range 28E in Eddy County, New Mexico. Disposal water will be sourced from area production, and will be injected into the Siluro-Devonian Formation (determined by offset log analysis) through an open hole completion between a maximum applied for top of 13,275 feet to a maximum depth of 14,465 feet. The maximum surface injection pressure will not exceed 2,655 psi with a maximum rate of 32,000, 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) 600-1764.

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State of New Mexico,
County of Eddy, ss.

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sworn, on oath says:

That he is the Publisher of the
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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:

October 31 2017

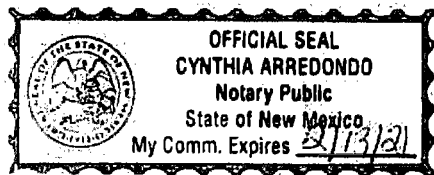
That the cost of publication is **\$68.15**
and that payment thereof has been
made and will be assessed as court
costs.

Subscribed and sworn to before me
this 3 day of November, 2017

Cynthia Arredondo

My commission Expires 2/13/21

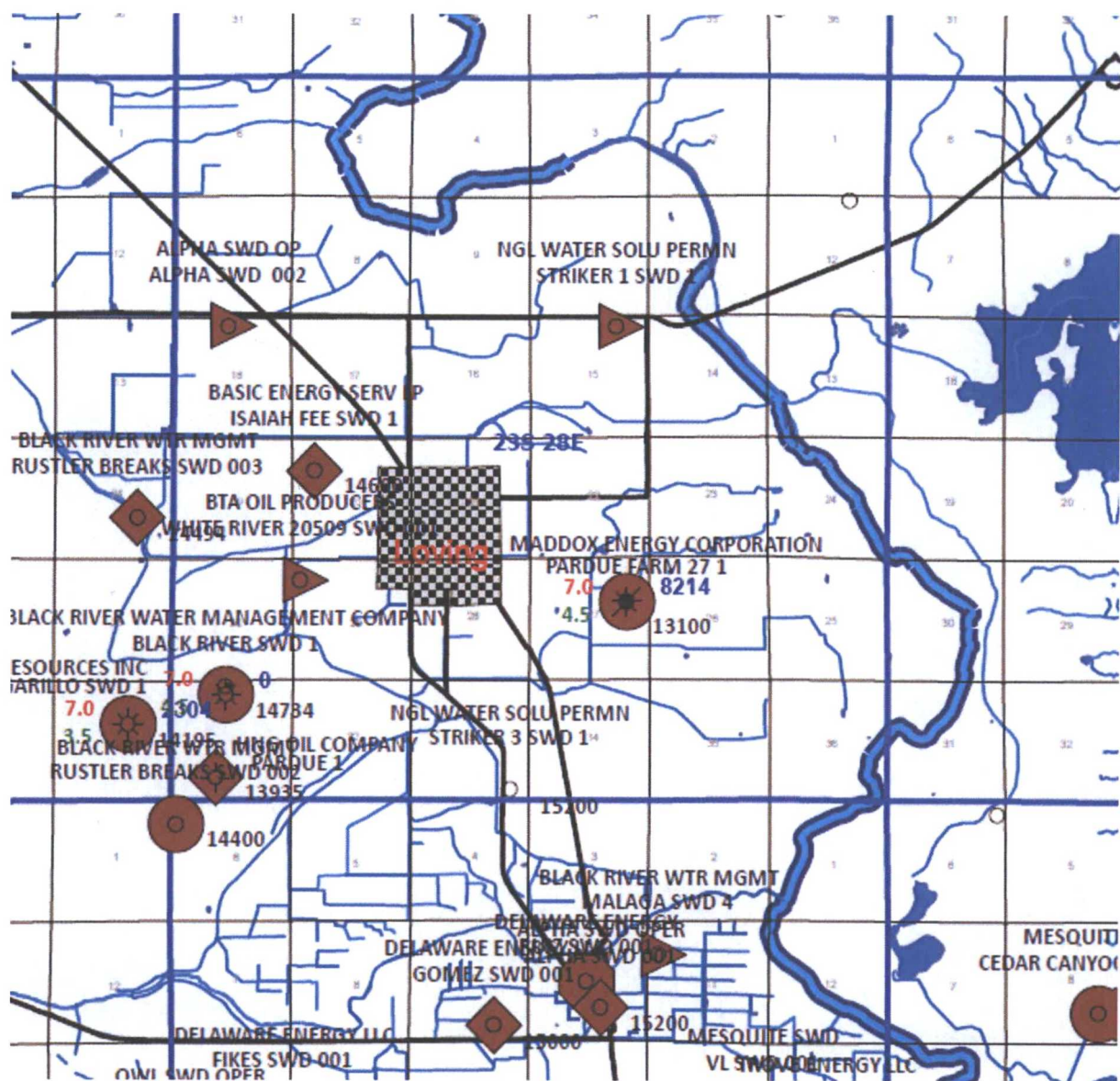
Notary Public



October 31, 2017

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New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW#### in the
POD suffix indicates the
POD has been replaced
& no longer serves a
water right file.)

(R=POD has been
replaced,
O=orphaned,
C=the file is
closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD	Sub-	Code	basin	County	Q	Q	Q	Q	Sec	Tws	Rng	X	Y	DepthWell	DepthWater	Water
						64	16	4	16	4	16	4					
C 01572		C	ED	3	3	3	13	23S	26E	570245	3573761*	215					
C 01626		C	ED	3	1	13	23S	26E	570343	3574674*	246	198	48				
C 01642		C	ED	2	2	1	13	23S	26E	570845	3575177*	303					
C 01672		C	ED	4	3	13	23S	26E	570750	3573861*	280	80	200				
C 01733		C	ED	1	3	3	13	23S	26E	570245	3573961*	247	197	50			
C 01743		C	ED	1	3	3	13	23S	26E	570245	3573961*	250	196	54			
C 01762		C	ED	2	1	13	23S	26E	570746	3575078*	260	191	69				
C 01762 POD2		C	ED	2	1	13	23S	26E	570746	3575078*	250	203	47				
C 01765		C	ED	2	1	13	23S	26E	570746	3575078*	350						
C 01822		C	ED	3	1	13	23S	26E	570343	3574674*	258	200	58				
C 01822 POD2		C	ED	3	1	13	23S	26E	570343	3574674*	228	212	16				
C 01825		C	ED	3	2	13	23S	26E	571151	3574670*	243	221	22				
C 01832		C	ED	1	3	13	23S	26E	570345	3574268*	250	200	50				
C 01851		C	ED	1	1	13	23S	26E	570341	3575080*	258	207	51				
C 01857		C	ED	13	23S	26E	570949	3574465*	255	197	58						
C 01867		C	ED	1	1	1	13	23S	26E	570240	3575179*	250	212	38			
C 01905		C	ED	2	3	13	23S	26E	570749	3574267*	300						
C 01968		C	ED	1	4	1	13	23S	26E	570646	3574771*	247	200	47			
C 02040		C	ED	3	3	3	13	23S	26E	570245	3573761*	264	185	79			



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW#### in the
POD suffix indicates the
POD has been replaced
& no longer serves a
water right file.)

(R=POD has been
replaced,
O=orphaned,
C=the file is
closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Sub- basin	Code	Q Q Q Q				Sec	Tws	Rng	X	Y	Depth Well		Water Column	
			64	16	4	16									
<u>C. 00312</u>	O	ED	3	3	1	20	23S	28E	583140	3573106*	230	70	160		
<u>C. 00313</u>		ED	3	3	3	17	23S	28E	583136	3573915*	250	75	175		
<u>C. 00333</u>		ED	3	1	2	18	23S	28E	582325	3575118*	147				
<u>C. 00851</u>	C	ED		3	17	23S	28E	583438	3574217*	200	50	150			
<u>C. 00911</u> <u>POD2</u>	C	ED	1	2	4	20	23S	28E	584359	3572911*	69	34	35		
<u>C. 00911</u> <u>POD3</u>	C	ED	1	2	4	20	23S	28E	584359	3572911*	218	60	158		
<u>C. 01477</u>		ED	1	3	3	19	23S	28E	581532	3572484*	127	10	117		
<u>C. 01992</u>	C	ED	3	4	1	19	23S	28E	581929	3573094*	232	45	187		
<u>C. 02180</u>	C	ED		3	18	23S	28E	581831	3574198*	140	80	60			
<u>C. 02697</u>	C	ED	1	3	18	23S	28E	581629	3574401*	220	42	178			
<u>C. 03082</u>	C	ED	1	3	3	18	23S	28E	581529	3574096*	220	217	3		
<u>C. 03542</u> <u>POD1</u>	CUB	ED	2	4	4	20	23S	28E	584615	3572530	22	16	6		
<u>C. 03542</u> <u>POD2</u>	CUB	ED	2	4	4	20	23S	28E	584620	3572497	30				
<u>C. 03753</u> <u>POD1</u>	C	ED	3	3	1	18	23S	28E	581515	3574658	210	60	150		
<u>C. 03762</u> <u>POD1</u>	CUB	ED	4	4	2	17	23S	28E	585314	3574066	40	31	9		
<u>C. 03762</u> <u>POD2</u>	CUB	ED	4	4	2	17	23S	28E	584893	3575598	40	30	10		
<u>C. 03779</u> <u>POD1</u>	C	ED	2	3	3	18	23S	28E	581707	3574103	110	70	40		
<u>C. 03922</u> <u>POD1</u>	C	ED	3	2	3	18	23S	28E	581844	3574230	138	75	63		
<u>C. 04066</u> <u>POD1</u>	C	ED	2	4	1	18	23S	28E	582038	3574823	155	80	75		

Average Depth to Water:	61 feet
Minimum Depth:	10 feet
Maximum Depth:	217 feet

Record Count: 19

PLSS Search:

Section(s): 17-20 Township: 23S Range: 28E

***UTM location was derived from PLSS - see Help**

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

12/13/17 12:02 PM

WATER COLUMN/ AVERAGE DEPTH TO
WATER

McMillan, Michael, EMNRD

From: Chris Weyand <chris@lonquist.com>
Sent: Tuesday, November 28, 2017 4:13 PM
To: McMillan, Michael, EMNRD
Subject: RE: Alpha SWD Alpha SWD Well No. 2
Attachments: FedEx Shipment 770682019651 Truchas.pdf; FedEx Shipment 770681830802 Villa Trust.pdf

Mike,

I realized there were two FedEx notices I hadn't not provided the delivery confirmation for.

Please see attached.

Thanks,

Chris Weyand
Staff Engineer
Lonquist & Co., LLC
(512) 600-1764 Direct
(210) 846-2673 Mobile

From: Chris Weyand
Sent: Tuesday, November 28, 2017 4:58 PM
To: 'McMillan, Michael, EMNRD'
Subject: RE: Alpha SWD Alpha SWD Well No. 2

Mike – Sorry to bother you again, but if you're able, please let me know if you need anything else to "Complete" this application.

I think I've gotten you everything.

Thanks,

Chris Weyand
Staff Engineer
Lonquist & Co., LLC
(512) 600-1764 Direct
(210) 846-2673 Mobile

From: Chris Weyand
Sent: Tuesday, November 28, 2017 4:16 PM
To: 'McMillan, Michael, EMNRD'
Subject: RE: Alpha SWD Alpha SWD Well No. 2

Mike,

The requested green cards just came back.

Thanks,

Chris Weyand

From: Maria Rivas
Sent: Thursday, November 09, 2017 12:19 PM
To: Chris Weyand
Subject: FW: FedEx Shipment 770681830802 Delivered

Thank you,
Maria

LONQUIST & CO. LLC Maria L Rivas • Administrative Assistant • Lonquist & Co., LLC • 12912 Hill Country Blvd., Suite F-200 • Austin, Texas, USA 78738
Direct: 512-600-1763 • **Cell:** 516-851-9899 • **Fax:** 512-732-9816 • maria@lonquist.com • www.lonquist.com

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From: TrackingUpdates@fedex.com [<mailto:TrackingUpdates@fedex.com>]
Sent: Wednesday, November 08, 2017 6:11 PM
To: Maria Rivas
Subject: FedEx Shipment 770681830802 Delivered

Your package has been delivered

Tracking # 770681830802

Ship date:
Mon, 11/6/2017

Maria Rivas
Lonquist and Co., LLC
Austin, TX 78738
US

Delivery date:
Wed, 11/8/2017 5:07
pm

The Emilio R. Villa Recovable
Trust
1206 Bryan Circle
CARLSBAD, NM 88220
US

Delivered

Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number: 770681830802

Status: Delivered: 11/08/2017 5:07
PM Signed for By: Signature
not required

Chris Weyand

From: Maria Rivas
Sent: Tuesday, November 07, 2017 12:42 PM
To: Chris Weyand
Subject: FW: FedEx Shipment 770682019651 Delivered

Thank you,
Maria

LONQUIST & CO. LLC Maria L Rivas • Administrative Assistant • Lonquist & Co., LLC • 12912 Hill Country Blvd., Suite F-200 • Austin, Texas, USA 78738
PETROLEUM ENGINEERS **ENERGY ADVISORS** Direct: 512-600-1763 • Cell: 516-851-9899 • Fax: 512-732-9816 • maria@lonquist.com • www.lonquist.com

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From: TrackingUpdates@fedex.com [<mailto:TrackingUpdates@fedex.com>]
Sent: Tuesday, November 07, 2017 12:41 PM
To: Maria Rivas
Subject: FedEx Shipment 770682019651 Delivered

Your package has been delivered

Tracking # 770682019651

Ship date:
Mon, 11/6/2017

Maria Rivas
Lonquist and Co., LLC
Austin, TX 78738
US

Delivery date:
Tue, 11/7/2017 12:35
pm

Delivered

Truchas Peaks, LLC
110 Lousiana , Suite 500
MIDLAND, TX 79701
US

Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number: 770682019651

Status: Delivered: 11/07/2017 12:35
PM Signed for By:
S.PINKERTON

Reference: #

McMillan, Michael, EMNRD

From: Chris Weyand <chris@lonquist.com>
Sent: Wednesday, December 20, 2017 1:16 PM
To: McMillan, Michael, EMNRD
Cc: Jones, William V, EMNRD
Subject: RE: Alpha SWD Alpha SWD Well No. 2
Attachments: Alpha SWD #2_20171220 v2.pdf

Mike / Will,

Would it be acceptable to run a liner instead of production casing back to surface and as a result run a split string of tubing?

Please see attached.

Thanks,

Chris Weyand
Staff Engineer
Lonquist & Co., LLC
(512) 600-1764 Direct
(210) 846-2673 Mobile

From: McMillan, Michael, EMNRD [mailto:Michael.McMillan@state.nm.us]
Sent: Wednesday, December 20, 2017 10:35 AM
To: Chris Weyand
Cc: Jones, William V, EMNRD
Subject: RE: Alpha SWD Alpha SWD Well No. 2

Chris:
Based on work by Will Jones, the maximum tubing size that will be allowed with the wellbore diagram in your proposed SWD is a 5-inch tubing.

As a result, the OCD will require a revised wellbore diagram.

Thank You

Mike

From: Chris Weyand [mailto:chris@lonquist.com]
Sent: Tuesday, December 12, 2017 9:10 AM
To: McMillan, Michael, EMNRD <Michael.McMillan@state.nm.us>
Subject: RE: Alpha SWD Alpha SWD Well No. 2

Hi Mike,

Hope all is well. Are you able to provide an estimated date the order will be issued for the Alpha SWD #2?

**FORM C-108 Technical Review Summary** [Prepared by reviewer and included with application; V16.2]DATE RECORD: First Rec: 10/3/2017 Admin Complete: 11/28/2017 or Suspended: _____ Add. Request/Reply: _____ORDER TYPE: WFX / PMX / (SWD) Number: _____ Order Date: _____ Legacy Permits/Orders: _____Well No. 2 Well Name(s): Alpha SWD
API: 30-0 15-44 S30 Spud Date: TBD New or Old (EPA): AL (UIC Class II Primacy 03/07/1982)Footages 353 FAL 2X338 FAL Lot _____ or Unit C Sec 18 Tsp 235 Rge 2KE County EddyGeneral Location: 2 miles NW Loving Pool: SWD, Devonian-Silurian Pool No.: 97869BLM 100K Map: Carlsbad Operator: Alpha SWD operating LLL OGRID: 372080 Contact: Chris Weyand, AgentCOMPLIANCE RULE 5.9: Total Wells: 2 Inactive: 0 Fincl Assur: OK Compl. Order? MA IS 5.9 OK? Y Date: 12-15-2017WELL FILE REVIEWED ☐ Current Status: ProposedWELL DIAGRAMS: NEW: Proposed ☒ or RE-ENTER: Before Conv. ☐ After Conv. ☐ Logs in Imaging: _____

Planned Rehab Work to Well: _____

Well Construction Details		Sizes (in) Borehole / Pipe	Setting Depths (ft)	Cement Sx or Cf	Cement Top and Determination Method
Planned ___ or Existing ___ Surface		<u>26" / 20"</u>	<u>450</u>	<u>1145</u>	<u>SURFACE / VISUAL</u>
Planned ___ or Existing ___ Interm/Prod		<u>17 1/2" / 13 3/4"</u>	<u>2450</u>	<u>1410</u>	<u>SURFACE / VISUAL</u>
Planned ___ or Existing ___ Interm/Prod		<u>12 1/4" / 9 5/8"</u>	<u>9500</u>	<u>5900</u>	<u>1935</u>
Planned ___ or Existing ___ Prod/Liner		<u>8 1/2" / 7 5/8"</u>	<u>13275</u>	<u>11200</u>	<u>1600</u>
Planned ___ or Existing ___ Liner					
Planned ___ or Existing ___ OH / PERF		<u>13275 / 14465</u>		<u>Inj Length 1190'</u>	

Injection Lithostratigraphic Units:	Depths (ft)	Injection or Confining Units	Tops
Adjacent Unit: Litho. Struc. Por.		<u>WD</u>	<u>13170</u>
Confining Unit: Litho. Struc. Por.		<u>DV</u>	<u>13275</u>
Proposed Inj Interval TOP:			
Proposed Inj Interval BOTTOM:			
Confining Unit: Litho. Struc. Por.			
Adjacent Unit: Litho. Struc. Por.			

Completion/Operation Details:	
Drilled TD	<u>14465</u> PBDT
NEW TD	NEW PBDT
NEW Open Hole	<input checked="" type="radio"/> or NEW Perfs <input type="radio"/>
Tubing Size	<u>4</u> in. Inter Coated? <input checked="" type="radio"/>
Proposed Packer Depth	<u>13225</u> ft
Min. Packer Depth	<u>13175</u> (100-ft limit)
Proposed Max. Surface Press.	<u>2655</u> psi
Admin. Inj. Press.	<u>2655</u> (0.2 psi per ft)

AOR: Hydrologic and Geologic Information

POTASH: R-111-P MA Noticed? _____ BLM Sec Ord ☐ WIPP ☐ Noticed? _____ Salt/Salado T: 175' B: 2440 NW: Cliff House fm

FRESH WATER: Aquifer Quaternary Max Depth 2220 HYDRO AFFIRM STATEMENT By Qualified Person ☒

NMOSE Basin: Carlsbad CAPITAN REEF: thru _____ adj _____ NA No. GW Wells in 1-Mile Radius? 5 FW Analysis? Y

Disposal Fluid: Formation Source(s) Ocala, Pecos, Permian, Wolfcamp, etc. Analysis? Y On Lease ☐ Operator Only ☐ or Commercial ☒

Disposal Interval: Inject Rate (Avg/Max BWPD): 25K / 32K Protectable Waters? _____ Source: _____ System: Closed or Open

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

AOR Wells: 1/2-M Radius Map and Well List? Y No. Penetrating Wells: 0 [AOR Horizontals: _____ AOR SWDs: _____]

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

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

NOTICE: Newspaper Date 10-3-2017 Mineral Owner 10-27-2017 Surface Owner PAK Land & Mining N. Date 10-27-17

RULE 26.7(A): Identified Tracts? Y Affected Persons: ODY, MATA, DAN, CHELSEA, TRAVIS, CROWN N. Date 11-26-2017

Order Conditions: Issues: SPLIT TAPER tubing - 75' -> Surface + 24'

Additional COAs: 5" / Liner