

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

**APPLICATION OF NGL WATER SOLUTIONS PERMIAN, LLC
FOR APPROVAL OF SALT WATER DISPOSAL WELL
IN LEA COUNTY, NEW MEXICO**

Case No. _____

APPLICATION

NGL Water Solutions Permian, LLC (“NGL”), OGRID No. 372338, through its undersigned attorneys, hereby submits this application to the Oil Conservation Division (“Division”) pursuant to the provisions of NMSA 1978, § 70-2-12, for an order approving drilling of a salt water disposal well in Lea County, New Mexico. In support of this application, NGL states as follows:

1. NGL proposes to drill the London SWD #1 well at a surface location 655 feet from the South line and 355 feet from the East line of Section 22, Township 24 South, Range 35 East, NMPM, Lea County, New Mexico for the purpose of operating a salt water disposal well.
2. NGL seeks authority to inject salt water into the SWD; Delaware formation at a depth of 5,380’ to 8,879’.
3. NGL further seeks approval of the use of 13 3/8 inch tubing for the surface casing, 9 5/8 inch for the intermediate casing, and 7 inch tubing inside the liner and requests that the Division approve a maximum daily injection rate for the well of 35,000 bbls per day.
4. NGL anticipates using an average pressure of 950 psi for this well, and it requests that a maximum pressure of 1,076 psi be approved for the well.
5. On or about April 13, 2021, NGL filed an administrative application with the Division seeking administrative approval of the subject well for produced water disposal.

6. NGL complied with the notice requirements for administrative applications, including mailing and publication in the Hobbs News-Sun.

7. Franklin Mountain Energy submitted a protest with respect to NGL's administrative application.

8. To NGL's knowledge, no other protests were submitted.

9. A proposed C-108 for the subject well is attached hereto in Exhibit A.

10. The granting of this application will avoid the drilling of unnecessary wells, will prevent waste, and will protect correlative rights.

WHEREFORE, NGL requests that this application be set for hearing before an Examiner of the Oil Conservation Division on September 9, 2021; and that after notice and hearing, the Division enter its order approving this application.

Respectfully submitted,

ABADIE & SCHILL, PC

/s/ Darin C. Savage

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Attorneys for NGL Water Solutions Permian, LLC

Application of NGL Water Solutions Permian, LLC, for approval of saltwater disposal well in Lea County, New Mexico. Applicant seeks an order approving disposal into the SWD; Delaware formation through the London SWD #1 well at a surface location 655 feet from the South line and 355 feet from the East line of Section 22, Township 24 South, Range 35 East, NMPM, Lea County, New Mexico for the purpose of operating a salt water disposal well. Applicant seeks authority to inject salt water into the SWD: Delaware formation at a depth of 5,380' to 8,879'. Applicant further seeks approval of the use of 13 3/8 inch tubing for the surface casing, 9 5/8 inch for the intermediate casing, and 7 inch tubing inside the liner and requests that the Division approve a maximum daily injection rate for the well of 35,000 bbls per day.

Revised March 23, 2017

RECEIVED:	REVIEWER:	TYPE:	APP NO:
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

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



ADMINISTRATIVE APPLICATION CHECKLIST

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

Applicant: NGL WATER SOLUTIONS PERMIAN LLCOGRID Number: 372338Well Name: LONDON SWD #1API: TBDPool: SWD;DELAWAREPool Code: 96100

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

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

A. Location - Spacing Unit - Simultaneous Dedication

☐ NSL☐ NSP (PROJECT AREA)☐ NSP (PRORATION UNIT)☐ SD

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

[I] Commingling - Storage - Measurement

☐ DHC☐ CTB☐ PLC☐ PC☐ OLS☐ OLM

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

☐ WFX☐ PMX☒ SWD☐ IPI☐ EOR☐ PPR

2) NOTIFICATION REQUIRED TO: Check those which apply.

A. ☒ Offset operators or lease holdersB. ☐ Royalty, overriding royalty owners, revenue ownersC. ☒ Application requires published noticeD. ☒ Notification and/or concurrent approval by SLOE. ☒ Notification and/or concurrent approval by BLMF. ☒ Surface ownerG. ☒ For all of the above, proof of notification or publication is attached, and/or,H. ☐ No notice required

FOR OCD ONLY

☐ Notice Complete☐ Application
Content
Complete

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

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

JOSEPH VARGO

Print or Type Name

Signature

Date

3-11-21

(303) 815-1010, extension 3652

Phone Number

Joseph.Vargo@nglep.com

e-mail Address


EXHIBIT**A**

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-108
Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance X Disposal _____ Storage
Application qualifies for administrative approval? _____ Yes _____ No
- II. OPERATOR: **NGL Water Solutions Permian, LLC**
ADDRESS: **865 North Albion Street, Suite 400, Denver, CO 80220**
CONTACT PARTY: **Joseph Vargo, Regulatory Director** PHONE: **(303) 815-1010**
- 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: **Joseph Vargo** TITLE: **Regulatory Director**
- SIGNATURE:  DATE: 3-11-21
- E-MAIL ADDRESS: **Joseph.Vargo@nglep.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: _____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

Side 2

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: **NGL Water Solutions Permian, LLC**
 WELL NAME & NUMBER: **London SWD No. 1**

WELL LOCATION: 655' FSL, 355' FEL P 22 24-S 35-E

FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATICWELL CONSTRUCTION DATASurface Casing

Hole Size: 17-1/2" Casing Size: 13-3/8"

Cemented with: 807 sx. or ft³

Top of Cement: Surface Method Determined: Calculated

Intermediate Casing

Hole Size: 12-1/4" Casing Size: 9-5/8"

Cemented with: 1774 sx. or ft³

Top of Cement: Surface Method Determined: Calculated

Production Casing

Hole Size: Casing Size:

Cemented with: sx. or ft³

Top of Cement: Method Determined:

Total Depth: 8,879'

Injection Interval

Open Hole, 5,380' feet to 8,879'

(Perforated or Open Hole; indicate which)

Geologic Tops (MD ft)	Section
Cenozoic Alluvium 25'	Surface Drill 17-1/2" 0' - 850'. Set and Cement 13-3/8" Casing
Triassic 227'	
Permian Dewey Lake 752'	
Rustler Anhydrite 830'	
Surface TD - 850'	
DV Tool 1000'	Intermediate Drill 4530' of 12-1/4" Hole 850' - 5380' Set 9-5/8" Casing
Salado Anh (base Silic) 1194'	
Top Salt (Tx) NM 1194'	
Castile 2722'	
Base Salt (Bx) NM 4923'	
Delaware 5322'	
Lamar Limestone 5350'	
Perm Packer - 5340'	
Intermediate - 5380'	
Bell Canyon 5369'	
Cherry Canyon 6302'	
Brushy Canyon 7754'	
Injection TD - 8879'	Injection Interval Drill 3499' of 8-1/2" Hole 5380' - 8879' Open Hole

INJECTION WELL DATA SHEETTubing Size: 7" Lining Material: TK-805Type of Packer: 9-5/8" x 7" Permanent Packer w/ Stainless TrimPacker Setting Depth: 5,340'

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

Additional Data

1. Is this a new well drilled for injection? _____ Yes _____

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

2. Name of the Injection Formation: Bell Canyon, Cherry Canyon, Brushy Canyon

3. Name of Field or Pool (if applicable): SWD, Delaware

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 _____

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

Bone Spring Sand – 10,382' TVD

Wolfcamp – 12,578' TVD

NGL Water Solutions Permian, LLC
London SWD No.1
Form C-108 Supplemental Information

III. Well Data

A. Wellbore Information

1.

Well Information	
Lease Name	Tap 10 Ranch
Well Name	London SWD No. 1
County	Lea
Location	SESE 22-T24S-R35E
Footage Location	655' FSL, 355' FEL

2. Casing Data

a.

Casing Information		
Type	Surface	Intermediate
OD	13.375"	9.625"
WT	.458"	.473"
ID	12.615"	8.835"
Drift ID	12.459"	8.679"
COD	14.375"	10.625"
Weight	54.5#	40#
Grade	J-55	L-80
Hole Size	17.5"	12.25"
Depth Set	850'	5,380'

*Please note that based on regional mapping, we expect the London SWD No. 1 to be west of the reef trend, and don't expect to encounter Capitan Reef facies. If the reef is encountered, the salt section will be isolated behind an additional cemented casing before drilling through the Capitan.

b.

Cement Information		
Casing String	Surface	Intermediate
Cement Type	Class A	Class A
Cement Yield	1.595 ft3/sk	1.468 ft3/sk
Total Cement Volume	807 sks	1774 sks
Cement Excess	100%	30% Over Caliper
TOC	Surface	Surface
Method	Circulate to Surface	DV Tool, Circulate to Surface

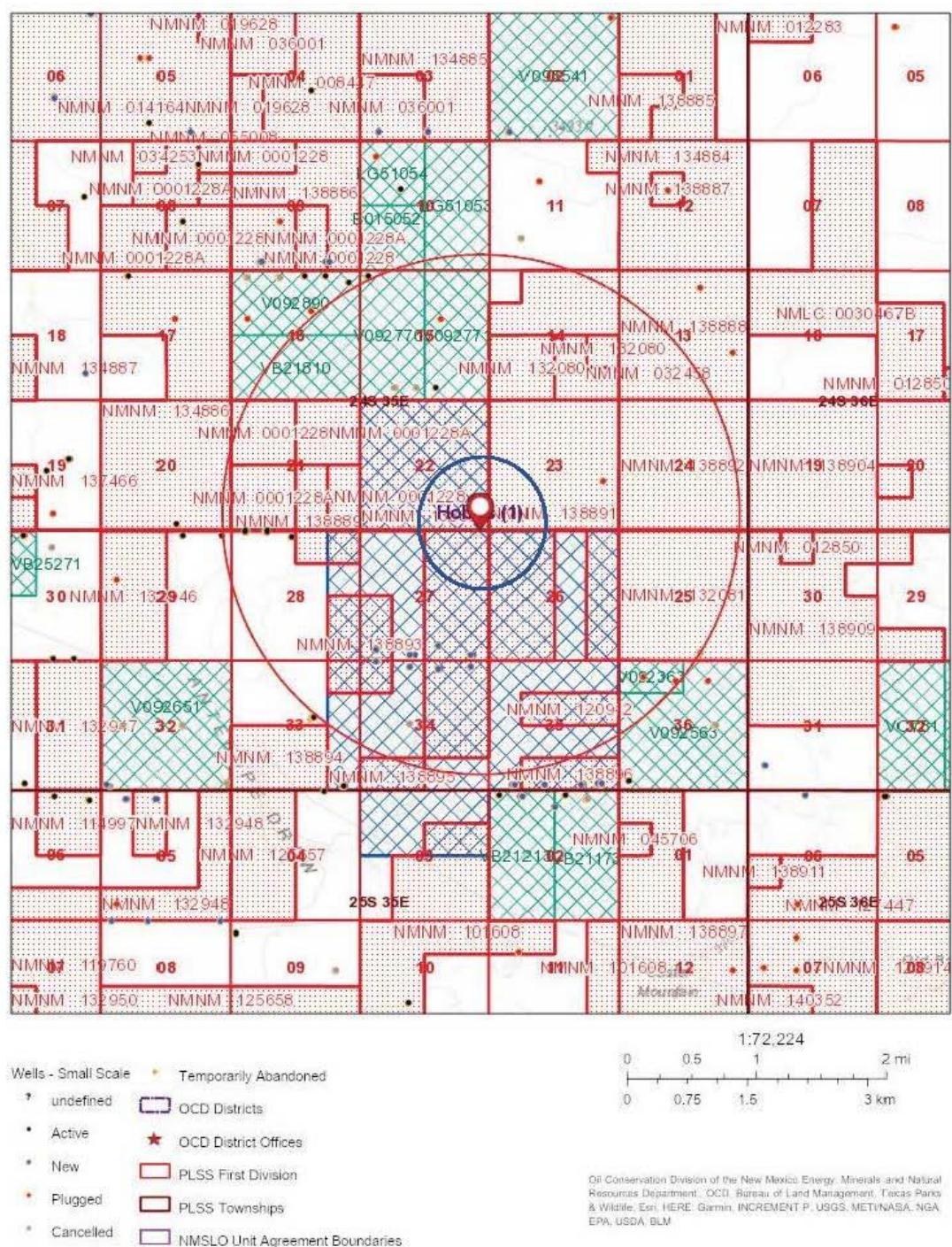
3. Tubing Description

Tubing Information	
OD	7"
WT	0.425"
ID	6.276"
Drift ID	6.151"
COD	7.656"
Weight	26#
Grade	P-110
Depth Set	5,340'

Lining Material: TK-805

4. Packer Description: 9-5/8" x 7" Permanent Packer w/ Stainless Trim set at 5,340'

V. AOR Map and list of wells within 2 miles.



1/4/2021

#	API	Well Name	Well Type	Well Status	Operator Name
1	30-025-45048	COONSKIN FEE #028H	Oil	Active	COG OPERATING LLC
2	30-025-45051	COONSKIN FEE #603H	Oil	Active	COG OPERATING LLC
3	30-025-45053	COONSKIN FEE #702H	Oil	Active	COG OPERATING LLC
4	30-025-45052	COONSKIN FEE #701H	Oil	Active	COG OPERATING LLC
5	30-025-45050	COONSKIN FEE #602H	Oil	Active	COG OPERATING LLC
6	30-025-45049	COONSKIN FEE #601H	Oil	Active	COG OPERATING LLC
7	30-025-43683	COONSKIN FEE #025H	Oil	Active	COG OPERATING LLC
8	30-025-45030	BRAHMAN 15 10 STATE COM #452C	Oil	Cancelled	COG OPERATING LLC
9	30-025-08684	PRE-ONGARD WELL #001	Oil	Plugged (site released)	PRE-ONGARD WELL OPERATOR
10	30-025-44655	MAN HANDS 24S35E3427 #217C	Oil	Cancelled	TAP ROCK OPERATING, LLC
11	30-025-45032	BRAHMAN STATE 24 35 15 #602C	Oil	Cancelled	COG OPERATING LLC
12	30-025-45031	BRAHMAN 15 10 STATE COM #453C	Oil	Cancelled	COG OPERATING LLC
13	30-025-27167	PRE-ONGARD WELL #001	Oil	Plugged (site released)	PRE-ONGARD WELL OPERATOR
14	30-025-26016	PRE-ONGARD WELL #001	Oil	Plugged (site released)	PRE-ONGARD WELL OPERATOR
15	30-025-26127	PRE-ONGARD WELL #001	Oil	Plugged (site released)	PRE-ONGARD WELL OPERATOR
16	30-025-26123	PRE-ONGARD WELL #001	Oil	Cancelled	PRE-ONGARD WELL OPERATOR
17	30-025-46276	PORK PIE STATE COM #704H	Oil	Active	COG OPERATING LLC
18	30-025-47289	MAN HANDS FEDERAL COM #131H	Oil	New	TAP ROCK OPERATING, LLC
19	30-025-47290	MAN HANDS FEDERAL COM #135H	Oil	New	TAP ROCK OPERATING, LLC
20	30-025-47291	MAN HANDS FEDERAL COM #211H	Oil	New	TAP ROCK OPERATING, LLC
21	30-025-47292	MAN HANDS FEDERAL COM #215H	Oil	New	TAP ROCK OPERATING, LLC
22	30-025-47341	MULVA FEDERAL COM #111H	Oil	New	TAP ROCK OPERATING, LLC
23	30-025-47342	MULVA FEDERAL COM #131H	Oil	New	TAP ROCK OPERATING, LLC
24	30-025-47343	MULVA FEDERAL COM #211H	Oil	New	TAP ROCK OPERATING, LLC
25	30-025-47344	MULVA FEDERAL COM #215H	Oil	New	TAP ROCK OPERATING, LLC
26	30-025-47740	MULVA FEDERAL COM #112H	Oil	New	TAP ROCK OPERATING, LLC
27	30-025-47741	MULVA FEDERAL COM #113H	Oil	New	TAP ROCK OPERATING, LLC
28	30-025-47742	MULVA FEDERAL COM #114H	Oil	New	TAP ROCK OPERATING, LLC
29	30-025-47743	MULVA FEDERAL COM #132H	Oil	New	TAP ROCK OPERATING, LLC

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1/4/2021

30	30-025-47744	MULVA FEDERAL COM #133H	Oil	New	TAP ROCK OPERATING, LLC
31	30-025-47745	MULVA FEDERAL COM #134H	Oil	New	TAP ROCK OPERATING, LLC
32	30-025-47746	MULVA FEDERAL COM #135H	Oil	New	TAP ROCK OPERATING, LLC
33	30-025-47747	MULVA FEDERAL COM #218H	Oil	New	TAP ROCK OPERATING, LLC
34	30-025-47787	MULVA FEDERAL COM #212H	Oil	New	TAP ROCK OPERATING, LLC
35	30-025-47788	MULVA FEDERAL COM #217H	Oil	New	TAP ROCK OPERATING, LLC
36	30-025-47798	MAN HANDS FEDERAL COM #112H	Oil	New	TAP ROCK OPERATING, LLC
37	30-025-47799	MAN HANDS FEDERAL COM #113H	Oil	New	TAP ROCK OPERATING, LLC
38	30-025-47800	MAN HANDS FEDERAL COM #133H	Oil	New	TAP ROCK OPERATING, LLC
39	30-025-47801	MAN HANDS FEDERAL COM #134H	Oil	New	TAP ROCK OPERATING, LLC
40	30-025-47802	MAN HANDS FEDERAL COM #136H	Oil	New	TAP ROCK OPERATING, LLC
41	30-025-47803	MAN HANDS FEDERAL COM #137H	Oil	New	TAP ROCK OPERATING, LLC
42	30-025-47804	MAN HANDS FEDERAL COM #212H	Oil	New	TAP ROCK OPERATING, LLC
43	30-025-47805	MAN HANDS FEDERAL COM #213H	Oil	New	TAP ROCK OPERATING, LLC
44	30-025-47806	MAN HANDS FEDERAL COM #214H	Oil	New	TAP ROCK OPERATING, LLC
45	30-025-47807	MAN HANDS FEDERAL COM #216H	Oil	New	TAP ROCK OPERATING, LLC
46	30-025-47808	MAN HANDS FEDERAL COM #217H	Oil	New	TAP ROCK OPERATING, LLC
47	30-025-47809	MAN HANDS FEDERAL COM #218H	Oil	New	TAP ROCK OPERATING, LLC
48	30-025-47830	MULVA FEDERAL COM #136H	Oil	New	TAP ROCK OPERATING, LLC
49	30-025-47831	MULVA FEDERAL COM #137H	Oil	New	TAP ROCK OPERATING, LLC
50	30-025-47832	MULVA FEDERAL COM #213H	Oil	New	TAP ROCK OPERATING, LLC
51	30-025-47833	MULVA FEDERAL COM #214H	Oil	New	TAP ROCK OPERATING, LLC
52	30-025-47834	MULVA FEDERAL COM #216H	Oil	New	TAP ROCK OPERATING, LLC
53	30-025-48091	MAN HANDS FEDERAL COM #114H	Oil	New	TAP ROCK OPERATING, LLC
54	30-025-48092	MAN HANDS FEDERAL COM #132H	Oil	New	TAP ROCK OPERATING, LLC

VI. There are no completed or plugged wells in the proposed injection interval within the 1-mile AOR. None of the horizontal wells in the area penetrate the injection interval within the 1-mile AOR. Plugged and proposed wells within the 1-mile AOR are summarized below:

API No.	Well Name	Status	Notes
30-025-27167	FRAZIER FEDERAL #1	P&A'd	TD @ 4,167'
Pending C-108	JAL PUBLIC LIBRARY TRUST 23-24-35 SWD #1	Proposed SWD	Int 1 Casing set @ 5,220' w/ cmt circulated to surface Int 2 Casing set @ 12,650' w/ cmt circulated to surface

VII. Proposed Operation Data

1. Average Daily Rate: 30,000 bpd
Max Daily Rate: 35,000 bpd
2. Closed System
3. Average Surface Injection Pressure: 950 psi
Maximum Surface Injection Pressure: 1,076 psi
4. The injection fluid is to be locally produced water. Representative water analysis is attached.
5. The disposal interval is non-productive. No water samples are available from the surrounding area.

VIII. Geological Data

The Delaware Mountain Group (DMG) of the Delaware Basin consists of interbedded Guadalupian-age arkosic to subarkosic sandstone, siltstone, shale, and detrital limestone that was deposited in deep water as a series of submarine fans, channel, overbank, and pelagic suspension deposits, mainly during lowstand and early transgressive sea-level changes. Stratigraphic divisions within the Delaware Mountain Group are well understood and have been documented in the recent geologic literature (e.g., Gardner, 1997a, 1997b, Montgomery, et al., 2000a, Montgomery, et al., 2000b, Dutton, et al., 2000, and Dutton et al., 2003, and many other publications).

The Delaware basin was a restricted, deep water basin, bounded by carbonate ramp (San Andres and Grayburg formations) and carbonate rim (Goat Seep and Capitan reefs) that developed on the western margin of the Central Basin Platform, the Northwest Shelf, and the Diablo Platform that surrounded the Delaware Basin portion of the Permian Basin in West Texas and SE New Mexico.

The Delaware Mountain Group is approximately 3762' thick in the vicinity of the proposed SWD wells (Table 1). The Delaware Mountain Group is formally divided into the Brushy Canyon, Cherry Canyon, and Bell Canyon Formations in ascending order (Exhibits 1 – 4, Appendix A-1). This succession is capped by the Lamar Limestone Member of the Bell Canyon Formation, a 45' - 100' thick interval overlying the sandstones of the Bell Canyon, which is comprised of an upper shale ("Delaware Shale"), underlain by organic-rich, detrital limestone, interbedded with shale, siltstone, and sparse, very fine, arkosic to subarkosic sandstone (Exhibit 1). The Bell Canyon formation consists of clean, very fine to fine grained, friable to moderately well cemented, massive to medium and thin bedded sandstone, interbedded with carbonaceous siltstone and shale, and thin to medium bedded, detrital limestone (Exhibit 1 and Exhibit 2). The Cherry Canyon and Brushy Canyon formations consist of the following: (1) very fine to fine-grained, arkosic to subarkosic sandstones, mostly massive to locally finely laminated in character, (2) very fine-grained sandstones microlaminated with siltstone and carbonaceous shale, (3) dark-colored organic-rich siltstones (lutites), (4) carbonate beds (limestone or dolomite), which are thicker and more prevalent in the Bell Canyon and Cherry Canyon, and near the basin margins, and (5) black to dark gray, calcareous, organic-rich shales (Exhibit 2 and Exhibit 3). Carbonates are moderately abundant in the Bell Canyon and upper Cherry Canyon but decrease in thickness and abundance in the lower portion of the Cherry Canyon and

in the Brushy Canyon formations. Shale beds tend to be thin and sparse within the main body of the individual formations but become thicker and more abundant at the base of each formation. This is particularly evident at the base of the Brushy Canyon formation, where the underlying shales have been informally designated as the Avalon Shale, the uppermost shale of the Bone Spring Formation (Exhibit 4).

Porosity and permeability of the Bell Canyon, Cherry Canyon, and Brushy Canyon range from 12% to 25%, and 1 – 5 mD, respectively, but locally, streaks of permeability can reach up to 200 md (Dutton, 2008, Montgomery, et al., 2000a and 2000b, Spain, 1992). These reservoir parameters, together with good to excellent lateral continuity of the sand bodies within the Delaware Mountain Group indicate that sandstone within the Delaware Mountain Group is highly capable of taking water injection.

Upward vertical migration of injected salt water from the Delaware Mountain Group will be inhibited by the extremely low permeability of the shale, detrital limestone, and tightly cemented siltstone of the Lamar Limestone Member at the top of the Delaware Mountain Group (Exhibit 1). This impermeable interval extends beneath the Capitan Reef to the East and will prevent the migration of injected salt water into the overlying Capitan Reef regional aquifer (Cross Section A-A'). The Capitan Reef is overlain by approximately 2,400' of interbedded anhydrite and salt (Cross section A-A'). To the west of the Capitan Reef in the Delaware basin, the Delaware Mountain Group is overlain by approximately 4,500' of interbedded anhydrite, salt, and thin shales (Cross Section A-A'), which will provide an additional effective barrier to upward migration of injected salt water. The locations of wells used for Cross Section A – A' are shown on the Cross Section Index map, both of which are located in Appendix A-1. The shales and tightly cemented siltstone and sandstone of the basal Brushy Canyon will isolate the underlying Avalon Shale and Sandstone from invasion by injected salt water. We have proposed a buffer zone of approximately 250' above the top of the Leonardian Avalon shale (Top Bone Spring formation) from the bottom of the proposed injection zone in the lower Brushy Canyon (Exhibit 4).

- A. Injection zone - Bell Canyon, Cherry Canyon, and Brushy Canyon Formations, Delaware Mountain Group, illustrated on Cross Section A – A'.

Table 1 - Local formation tops and anticipated drilling depths to the injection zone (pale blue):

Formation	Depth
Rustler Anhydrite	830'
Salado	1,194'
Delaware Mountain Group	5,322'
Lamar Limestone	5,350'
Bell Canyon	5,369'
Cherry Canyon	6,302'
Brushy Canyon	7,754'
Base Brushy Canyon Injection Zone	8,900'
Bone Spring, Leonardian (Avalon Shale)	9,129'
Bone Spring 1st Limestone	9,236'

Underground Sources of Drinking Water

The most closely offsetting water wells are drilled to 1,250' or shallower, generally producing from the Santa Rosa, Chinle, and Ogallala formations. Fresh water depth varies from 40' to 475' (300' on average) in the area in the form of sporadic alluvial sources and the Santa Rosa. In general, any USDWs (i.e., Upper Rustler) would be expected to fall above the salt and anhydrite of the Rustler/Salado/Castile evaporites and will be protected. The top of the Rustler is estimated at approximately 830'. An independent, third party review was conducted to confirm these findings and can be found in Appendix A-1. Regional mapping indicates the location to be west of the Capitan Reef facies.

References:

Dutton, S.P., W.A. Flanders, and H.H. Zirczy, 2000, Application of Advanced Reservoir Characterization, Simulation, and Production Optimization Strategies to Maximize Recovery in Slope and Basin Clastic Reservoirs, West Texas (Delaware Basin), DOE/BC/14936-15, OSTI-ID—755452, 60 p.

Dutton, S.P., W.A. Flanders, and M.D. Barton, 2003, Reservoir characterization of Permian deep water sandstone, East Ford Field, Delaware basin, Texas, Bull. Amer. Assoc. of Petrol. Geol., v. 87, no. 4, pp. 609-627.

Dutton, S.P., 2008, Calcite cement in Permian deep-water sandstones, Delaware Basin, West Texas: Origin, distribution, and effect on reservoir properties, Bull. Amer. Assoc. of Petrol. Geol., v. 92, no. 6, pp. 765-787.

Gardner, M.H., 1997a, Characterization of deep-water siliciclastic reservoirs in the Upper Bell Canyon and Cherry Canyon Formations of the Northern Delaware Basin, Culberson and Reeves Counties, Texas, in: Major, R.D., 1997, Oil and gas on Texas State Lands: an assessment of the resource and characterization of type reservoirs: The University of Texas at Austin, Bureau of Economic Geology Report of Investigations no. 241 (RI0241D), pp. 137-146.

Gardner, M.H., 1997b, Sequence Stratigraphy and Hydrocarbon Habitat of the Permian (Guadalupe) Delaware Mountain Group, Delaware Basin, West Texas, in: Major, R.D., 1997, Oil and gas on Texas State Lands: an assessment of the resource and characterization of type reservoirs: The University of Texas at Austin, Bureau of Economic Geology Report of Investigations no. 241 (RI0241D), pp. 147-157.

Gardner, M.H., 2018 Tectonics and Sedimentation of Permian Delaware Basin Deep Water Systems, abstract, Rocky Mountain Section, SEPM (Sedimentary for Sedimentary Geology), Luncheon Presentation, March 27, 2018.

Montgomery, S.L., John Worrall, and Dean Hamilton, 2000a, Delaware Mountain Group, West Texas and Southeastern New Mexico, A case of refund opportunity: Part 1 – Brushy Canyon, Bull. Amer. Assoc. of Petrol. Geol., v. 83, no. 12, pp. 1901-1926.

Montgomery S.L., Dean Hamilton, Tim Hunt, and John Worrall, 2000b, Delaware Mountain Group, West Texas, A case of refund opportunity: Part 2 – Cherry Canyon Formation, Bull. Amer. Assoc. of Petrol. Geol., v. 84, no. 1, pp. 1-11.

Spain, D.R., 1992, Petrophysical evaluation of a slope fan/ Basin Floor fan complex: Cherry Canyon Formation, Ward County, Texas, Bull. Amer. Assoc. of Petrol. Geol., v. 76, no. 6, pp. 805-827.

IX. No proposed stimulation program planned at this time.

X. There are no logs or test data on the well. During the process of drilling and completion, the following logging program will be used: Gamma Ray, Caliper, Resistivity, Neutron, and Density for intermediate and injection interval, 200' correlation cased hole neutron from shoe up into casing, CBL for intermediate and surface.

XI. There are no producing freshwater wells within one mile of the location. CP-01119-POD2 shown on the 1-mile water well map could not be located.

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 (in the London SWD #1) and any underground sources of drinking water.

NAME: John C. Webb

TITLE: Sr. Geologist

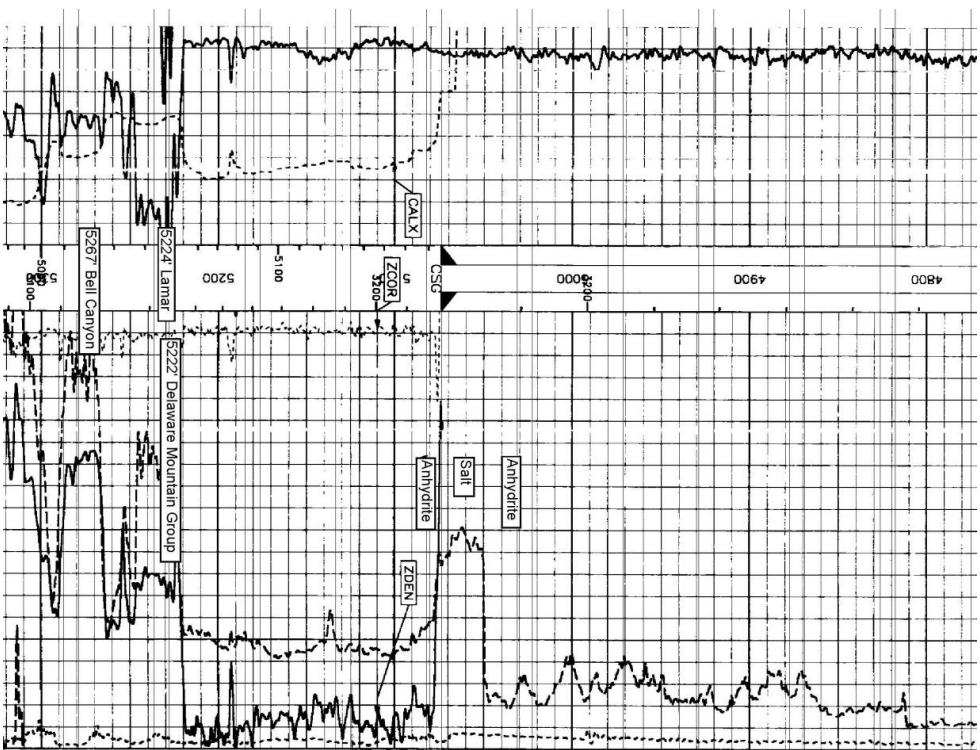
SIGNATURE: 

DATE: 3/10/2021

Offset Produced Water Analysis																		
wellname	api	section	township	range	unit	county	formation	ph	tds_mgl	sodium_mgl	calcium_mgl	iron_mgl	magnesium_mgl	manganese_mgl	chloride_mgl	bicarbonate_mgl	sulfate_mgl	co2_mgl
FIGHTING OKRA 18 FEDERAL COM #001H	3002540382	18 26S		34E	E	Lea	AVALON UPPER	8	201455.9	66908.6	9313	10	1603	1.6	121072.7	1024.8	940	1950
ICHABOD 7 FEDERAL #001H	3002540043	7 26S		34E	P	Lea	AVALON UPPER	8.25	1508.7	317.4	90.7	0	55.4	0	242.4	125	675	0
ICHABOD 7 FEDERAL #001H	3002540043	7 26S		34E	P	Lea	AVALON UPPER	5.97	220260.7	66687.9	13470	121.8	2827	3.42	134969.6	440	910	1400
FIGHTING OKRA 18 FEDERAL COM #001H	3002540382	18 26S		34E	E	Lea	AVALON UPPER	7.5	163025.9	58095.8	4006	28.5	648.2	0.76	96978.1	915	2000	6
ICHABOD 7 FEDERAL #001H	3002540043	7 26S		34E	P	Lea	AVALON UPPER	7	225003.5	76053.3	8718	159.9	1414	3.26	136469.2	231.8	1395	900
FIGHTING OKRA 18 FEDERAL COM #001H	3002540382	18 26S		34E	E	Lea	AVALON UPPER	7	196841.4	66599.5	7587	25.7	1213	1.25	118673.2	976	1300	1820
ICHABOD 7 FEDERAL #001H	3002540382	18 26S		34E	P	Lea	AVALON UPPER	7	196841.4	66599.5	7587	25.7	1213	1.25	118673.2	976	1300	1820
ICHABOD 7 FEDERAL #001H	3002540043	7 26S		34E	P	Lea	AVALON UPPER	6.7	212466.6	71749.9	7064	68	1291	2	125645	1049.2	2840	50
THISTLE UNIT #071H	3002542425	27 23S		33E	A	Lea	BONE SPRING 1ST SAND	5.6	171476.3	55363.2	1023	40.4	1023	1.1	104576.4	244	560	770
BELL LAKE 19 STATE #001H	3002541024	19 24S		33E	M	Lea	BONE SPRING 2ND SAND	6.77	134649.2	44572.9	6215	37.9	759.3	0.93	81681.6	244	765	200
BELL LAKE 19 STATE #002H	3002541151	19 24S		33E	O	Lea	BONE SPRING 2ND SAND	7.01	128413.3	44427.6	4207	41.9	705.9	0.78	77482.5	366	910	300
BELL LAKE 19 STATE #003H	3002541516	19 24S		33E	O	Lea	BONE SPRING 2ND SAND	6.67	138617.2	46648.4	5778	41.1	731.5	1.1	84031	244	710	300
BELL LAKE 19 STATE #004H	3002541517	19 24S		33E	O	Lea	BONE SPRING 2ND SAND	6.68	133460.5	44483.1	5917	30.5	718.2	0.83	80981.7	244	675	300
SALADO DRAW 6 FEDERAL #001H	3002541293	6 26S		34E	M	Lea	BONE SPRING 3RD SAND	6.6	99401.9	34493.3	3295	0.4	396.8	0.37	59986.5	109.8	710	70
SALADO DRAW 6 FEDERAL #001H	3002541293	6 26S		34E	M	Lea	BONE SPRING 3RD SAND	6.5	99612.7	34586.5	3244	10.3	417.7	0.39	59986.5	158.6	820	50
SALADO DRAW 6 FEDERAL #001H	3002541293	6 26S		34E	M	Lea	BONE SPRING 3RD SAND	6.7	95604	31066	3196	10	394	0.5	59071	183	0	100
SALADO DRAW 6 FEDERAL #001H	3002541293	6 26S		34E	M	Lea	BONE SPRING 3RD SAND	7	98321.4	33892.3	3267	9.5	534.7	0.39	59986.6	219.6	635	300
SNAPPING 2 STATE #014H	3001542888	2 26S		31E	P	EDDY	WOLFCAMP	7.3	81366.4	26319.4	2687.4	26.1	326.7		50281.2		399.7	100
BELLOQ 2 STATE #002H	3001542895	2 23S		31E	C	EDDY	WOLFCAMP	6.8	119471.8	37359.2	5659.1	22.4	746.1		73172.5		1035.5	250

Appendix A-1

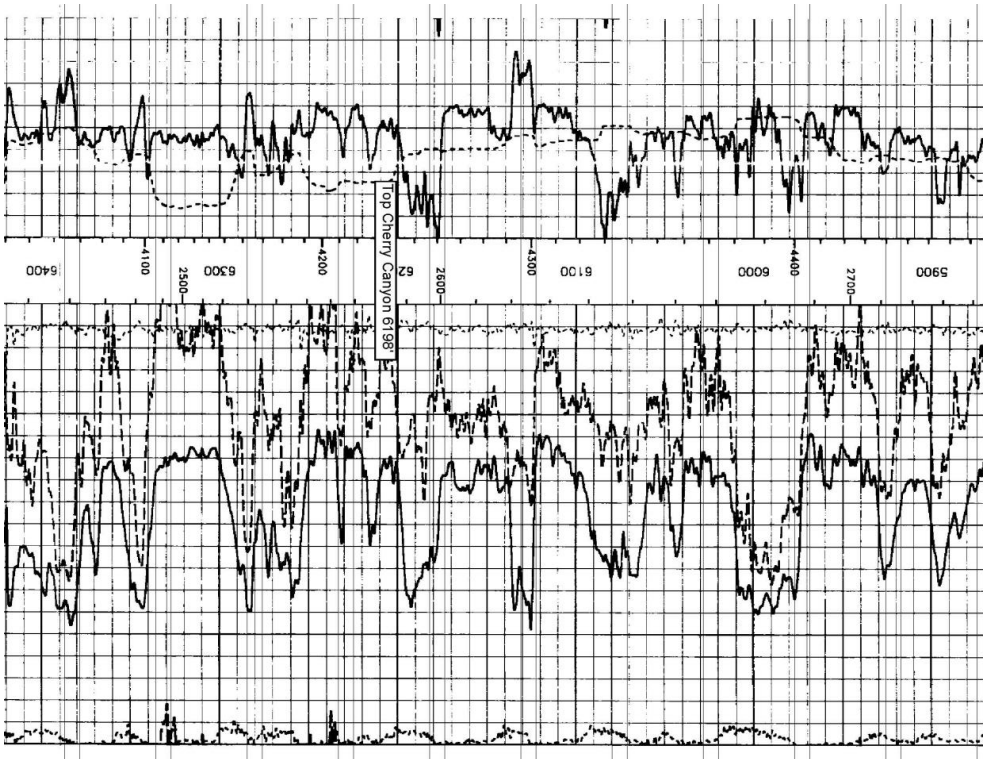
Exhibit 1: Top Delaware Mountain Group and Bell Canyon Formation
30-025-35322 Gamma Ray, Caliper, Density - Neutron Porosity Log



↑ **Castile Formation, 2620' - 5222'**
Anhydrite and Salt

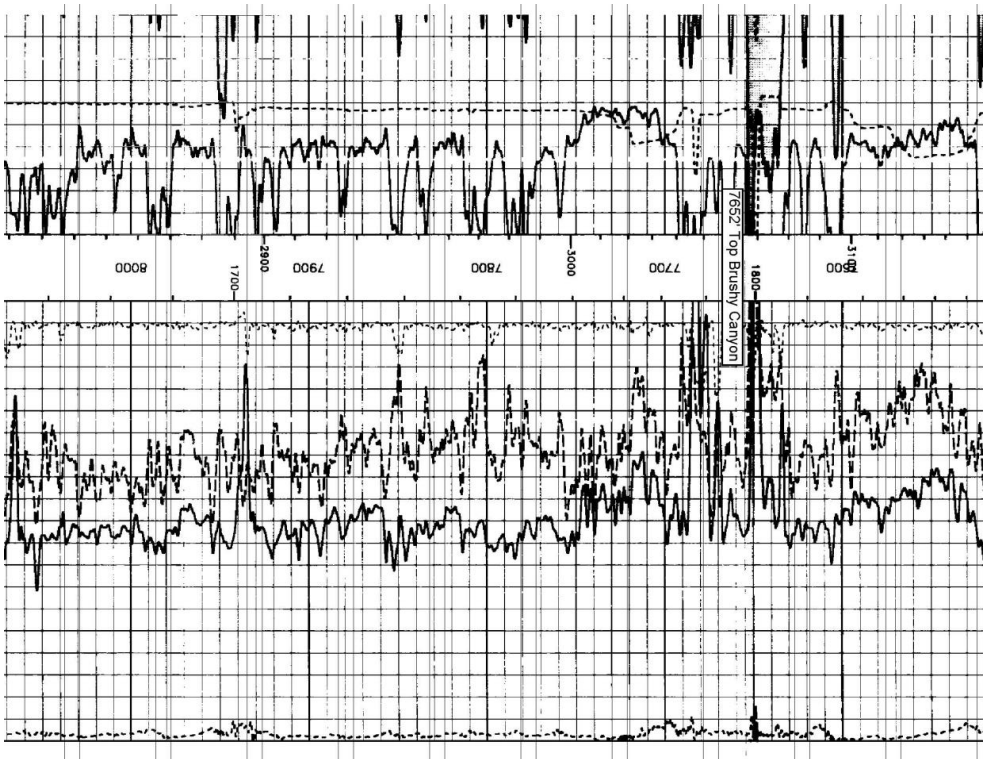
↑ **Delaware Mountain Group, 5222' - 8948'**
Sandstone, interbedded Shale and Limestone
↑ **Lamar Limestone, 5224' - 5267'**
Limestone, interbedded Shale and Siltstone
↑ **Bell Canyon Formation, 5267' - 6198'**
Sandstone, interbedded Shale and Limestone

Exhibit 2: Top Cherry Canyon Formation
30-025-35322 Gamma Ray, Caliper, Density - Neutron Porosity Log



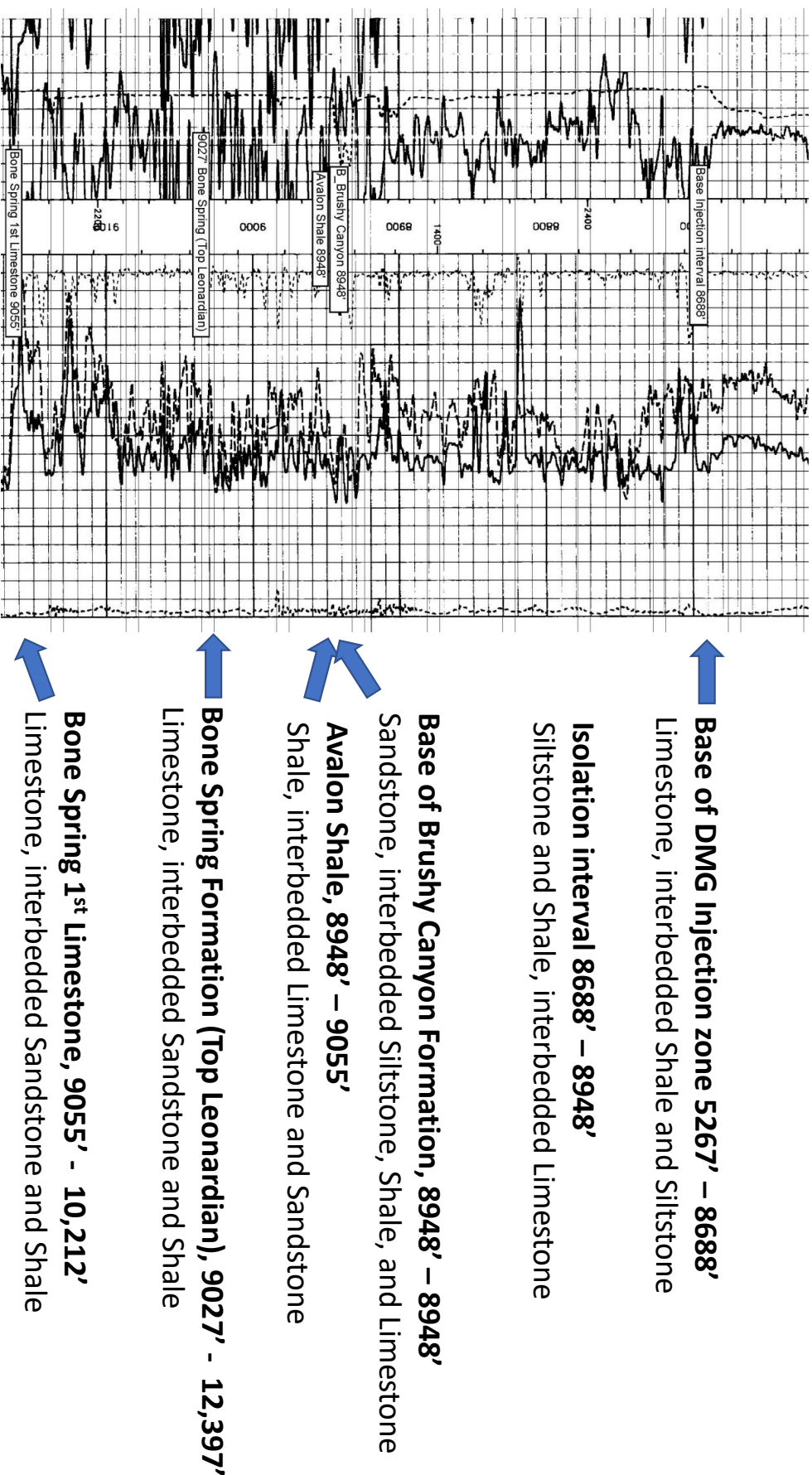
Cherry Canyon Formation, 6198' – 7652'
Sandstone, interbedded Shale and Limestone

Exhibit 3: Top Brushy Canyon Formation
30-025-35322 Gamma Ray, Caliper, Density - Neutron Porosity Log



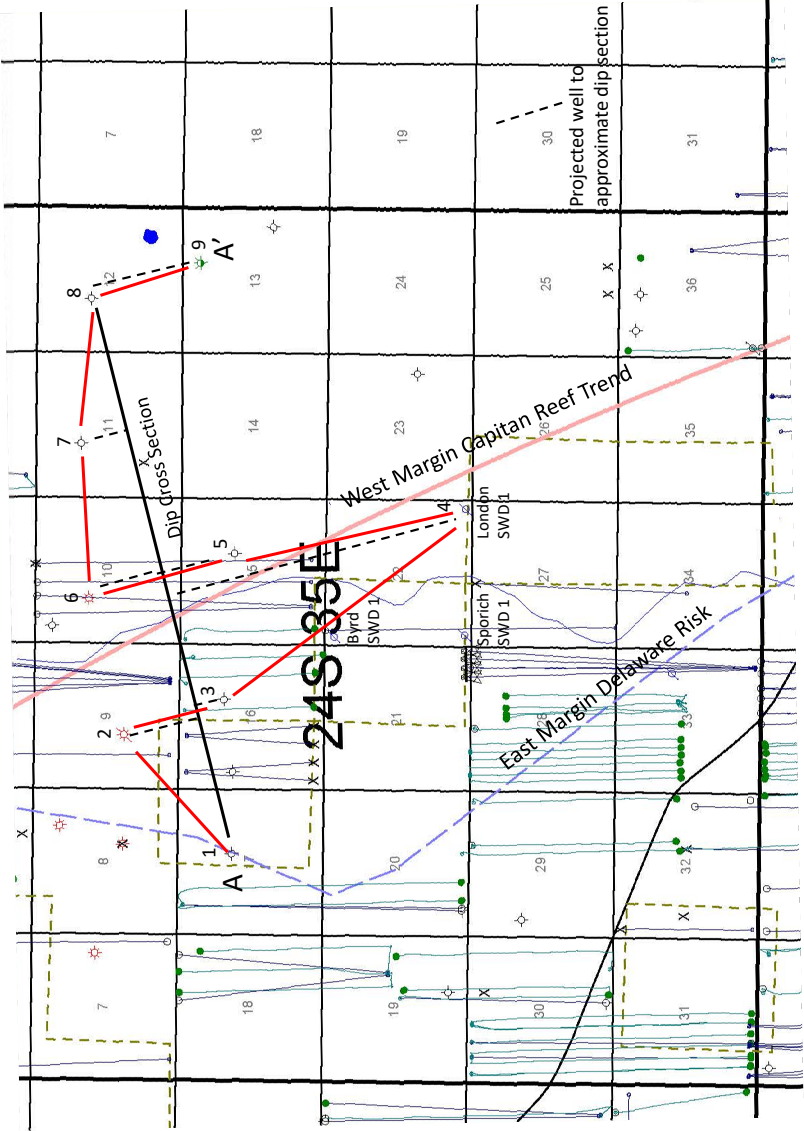
Brushy Canyon Formation, 7652' – 8948'
Sandstone, interbedded Shale and Limestone

Exhibit 4: Base Brushy Canyon Formation, Top Avalon Shale, and Bone Spring Formation
30-025-35322 Gamma Ray, Caliper, Density - Neutron Porosity Log





London SWD 1 Index Map Cross Section A – A'





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TAP 10 Groundwater Statement Verification
January 29, 2021

The following items are related to the proposed C-108 statement for groundwater resources in the area surrounding the proposed TAP 10 SWD wells. This memo summarizes observations regarding static water levels and general water quality in the area based on data from the USGS, OSE and from relevant literature sources.

- Based on USGS and OSE data, static water levels in T24S, R35E vary between 10' and 560' below ground surface (bgs). The aquifer identification codes from the USGS range from Quaternary/bolson/surficial to Chinle to Santa Rosa and these are reasonable identifications for this area (two wells are misidentified as "surficial" with water tables greater than 100' bgs, and these may be Ogallala or Chinle wells).
- The USGS data table provided to ZGC by IPT includes three wells that are exceptionally deep for water wells: one listed at 1,250' TD, one at 5,713' TD and one at 5,300' TD.
 - o The 1,250' well has a water table at ~270' bgs and is coded as a Santa Rosa aquifer. This well may include a groundwater contribution from the underlying Dewey Lake and Rustler Formations and water quality may be correspondingly poor.
 - o The 5,713' well has a water table at ~1,050 bgs. This well is located in sec. 20, T24S, R36E. Nearby producing wells (e.g., 30-025-43779) list a Rustler top around 770' suggesting the local water table occurs in the upper Rustler.
 - o The 5,300' well has a water table at ~480-540' bgs and the well is located in sec. 28, T23S, R35E. This is probably a Santa Rosa well, but may also include contributions from Permian strata.
 - o These deeper wells are most likely wells drilled for hydrocarbon production or potash mining that proved to not be useable and were turned over for either use or monitoring. For example, the 1,250' deep well has a note in the associated OSE record that states: "This well will be used for livestock watering purpose also". It was originally drilled by Gulf, then turned over to a private individual (J. Post).
- The OSE data lists two wells drilled to ~5,390' TD with standing water recorded at ~4,400' and 4,365' bgs and one well drilled to ~1,570' TD with no water level recorded. Because the data recorded and presented by OSE represents a one-time water level measurement recorded immediately after the well was completed, there is no information about the current static water level. Both driller records indicate these wells encountered "limestone/dolostone/chalk" from ~4,400' to TD. It is highly unlikely that water sourced from this deep and from limestone or dolostone will be potable, even by livestock standards, but without chemistry data, it's not clear if this water may meet the (lower) standards for livestock water. All three of these wells appear to have been drilled by or for Intercontinental Potash Corporation and so were presumably not drilled for drinking or livestock water use.

Water quality notes from Jones (1973) for a study area, Los Medaños, just northwest of the Tap 10 area:

- The Santa Rosa Sandstone supplies most stock well water in the Los Medaños area and surrounding townships.
- The Rustler yields greater quantities of water than the Santa Rosa, but much of the Rustler water contains excessive dissolved material.
 - o Rustler water is probably from the Culebra Dolomite and/or the Magenta Dolomite
 - o Some specific conductance measurements for Rustler water were as high as 15,000 micromhos/centimeter (this is extremely high) although most values ranged from 1,000 to 5,000 micromhos/centimeter.
- The local groundwater is a more complex aquifer system that includes lower Chinle sandstone beds, the Santa Rosa Sandstone, and horizons within the Dewey Lake and Rustler Formations.
- The quantity of water is variable throughout the area, but other than Rustler wells, generally ranged from 5 to 10 gallons per minute (gpm). Rustler wells can be 100 gpm or higher.

Jones, C.L., 1973, Salt deposits of the Los Medaños area, Eddy and Lea County, with sections on ground water hydrology (M.E. Cooley) and surficial geology (G.O. Bachman): USGS Open-file Report 73-135, 73 p.

Respectfully submitted,

Kate Zeigler, Ph.D., CPG
 Noah Jemison, Ph.D.

DISTRICT I
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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code 96100	Pool Name SWD;DELAWARE
Property Code	Property Name LONDON SWD	Well Number 1
OGRID No. 372338	Operator Name NGL WATER SOLUTIONS PERMIAN, LLC	Elevation 3317.3'

Surface Location

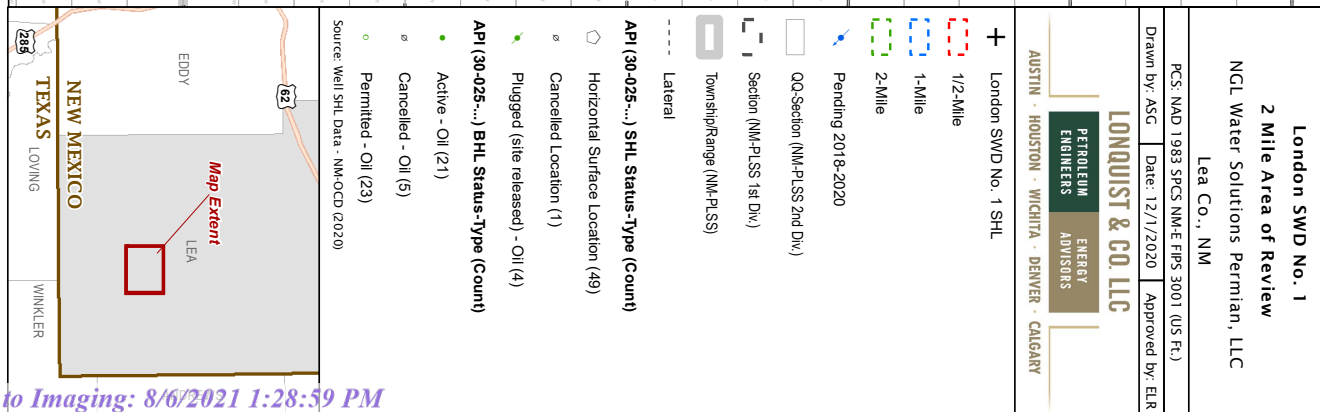
UL or lot No. P	Section 22	Township 24-S	Range 35-E	Lot Idn	Feet from the 655	North/South line SOUTH	Feet from the 355	East/West line EAST	County LEA
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Bottom Hole Location If Different From Surface

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

<p>NAD 83 NME SURFACE LOCATION Y=437000.6 N X=846129.3 E LAT.=32.197553° N LONG.=103.347999° W</p>					<p>S.L. 355'</p> <p>655'</p>														
										<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>[Signature]</i> 3-11-21 Signature Date Joseph Vargo Printed Name Joseph.Vargo@nle.com E-mail Address</p>									
										<p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>NOVEMBER 17, 2020 Date of Survey</p>									
										<p>Signature & Seal of Professional Surveyor</p> <p><i>[Seal: CHAD L. HARCROW, NEW MEXICO, LICENSED PROFESSIONAL SURVEYOR, 17777]</i> Chad Harcrow 11/30/20 Certificate No. CHAD HARCROW 17777 W.O. # 20-1471 DRAWN BY: AH</p>									



London SWD No. 1
1-Mile Area of Review List

API	WELL NAME & WELL NO.	STATUS	TYPE	OPERATOR	TVD (FT.)	FIELD (RESERVOIR)	LATITUDE (NAD83 DD)	LONGITUDE (NAD83 DD)	DATE DRILLED
3002547798	MAN HANDS FEDERAL COM #112H	NEW	OIL	TAP ROCK OPERATING, LLC	-	-	32.18187700	-103.35705200	-
3002547799	MAN HANDS FEDERAL COM #113H	NEW	OIL	TAP ROCK OPERATING, LLC	-	-	32.1803580000	-103.35325100	-
3002547800	MAN HANDS FEDERAL COM #133H	NEW	OIL	TAP ROCK OPERATING, LLC	-	-	32.1802894000	-103.353592500	-
3002547801	MAN HANDS FEDERAL COM #134H	NEW	OIL	TAP ROCK OPERATING, LLC	-	-	32.1805101000	-103.349316600	-
3002547802	MAN HANDS FEDERAL COM #136H	NEW	OIL	TAP ROCK OPERATING, LLC	11933	-	32.1803581000	-103.353511700	-
3002547803	MAN HANDS FEDERAL COM #137H	NEW	OIL	TAP ROCK OPERATING, LLC	12041	-	32.1805817000	-103.357211200	-
3002547804	MAN HANDS FEDERAL COM #212H	NEW	OIL	TAP ROCK OPERATING, LLC	-	-	32.1805820000	-103.357292000	-
3002547805	MAN HANDS FEDERAL COM #213H	NEW	OIL	TAP ROCK OPERATING, LLC	12171	-	32.1803581000	-103.353592500	-
3002547806	MAN HANDS FEDERAL COM #214H	NEW	OIL	TAP ROCK OPERATING, LLC	12223	-	32.1805789000	-103.349316600	-
3002547807	MAN HANDS FEDERAL COM #216H	NEW	OIL	TAP ROCK OPERATING, LLC	-	-	32.1802894000	-103.353511700	-
3002547808	MAN HANDS FEDERAL COM #217H	NEW	OIL	TAP ROCK OPERATING, LLC	12160	-	32.1805180000	-103.357211000	-
3002547809	MAN HANDS FEDERAL COM #218H	NEW	OIL	TAP ROCK OPERATING, LLC	12152	-	32.1805101000	-103.349235800	-
3002544655	MAN HANDS 2435E3427 #217C	Cancelled	OIL	TAP ROCK OPERATING, LLC	0	[98098] W/C-025 G-09 5243532M, WOLF BONE	32.174149	-103.3572716	1/1/1990
3002527167	PRE-ONGARD WELL #001	Plugged (site released)	OIL	PRE-ONGARD WELL OPERATOR	4167	-	32.2011414	-103.3319092	2/15/2020
3002546670	GIPPLE FEDERAL COM #138H	Active	OIL	TAP ROCK OPERATING, LLC	12134	[98098] W/C-025 G-09 5243532M, WOLF BONE; [98294] W/C-025 G-07 5243517D, MIDDLE BONE 5P	32.1672082000	-103.365929000	-
3002547289	MAN HANDS FEDERAL COM #131H	NEW	OIL	TAP ROCK OPERATING, LLC	0	[98098] W/C-025 G-09 5243532M, WOLF BONE	32.1812780000	-103.361804400	-
3002547290	MAN HANDS FEDERAL COM #135H	NEW	OIL	TAP ROCK OPERATING, LLC	0	[98098] W/C-025 G-09 5243532M, WOLF BONE	32.1812779000	-103.361723600	-
3002547291	MAN HANDS FEDERAL COM #211H	NEW	OIL	TAP ROCK OPERATING, LLC	0	[98098] W/C-025 G-09 5243532M, WOLF BONE	32.1812092000	-103.361804400	-
3002547292	MAN HANDS FEDERAL COM #215H	NEW	OIL	TAP ROCK OPERATING, LLC	0	[98098] W/C-025 G-09 5243532M, WOLF BONE	32.1812092000	-103.361723600	-
3002547073	MAN HANDS FEDERAL COM #111H	NEW	OIL	TAP ROCK OPERATING, LLC	0	-	-	-	-

London SWD No. 1 - 1-Mile Area of Review List
NM-OC0 (2021)







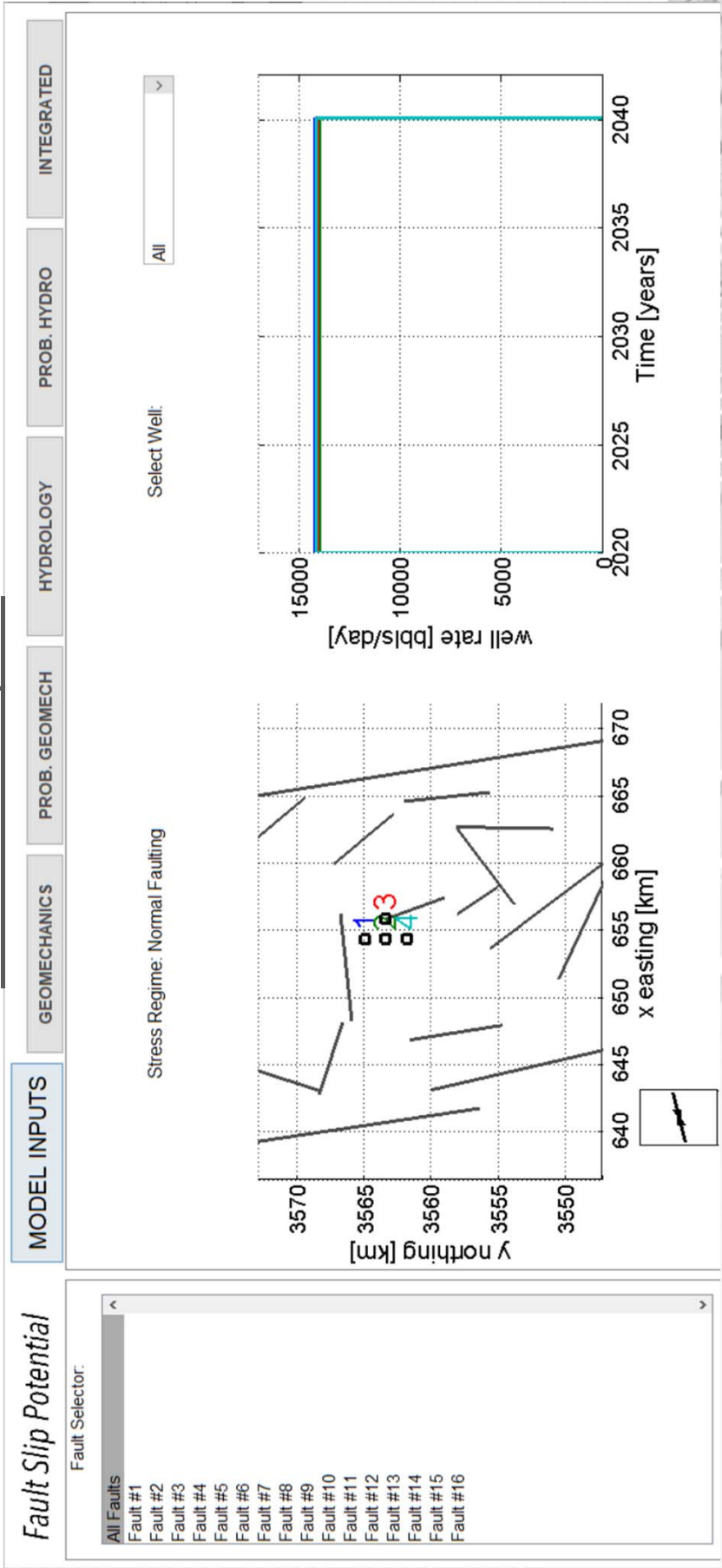
Tap 10 Fault Slip Potential (FSP)

Basement fault slip potential simulation

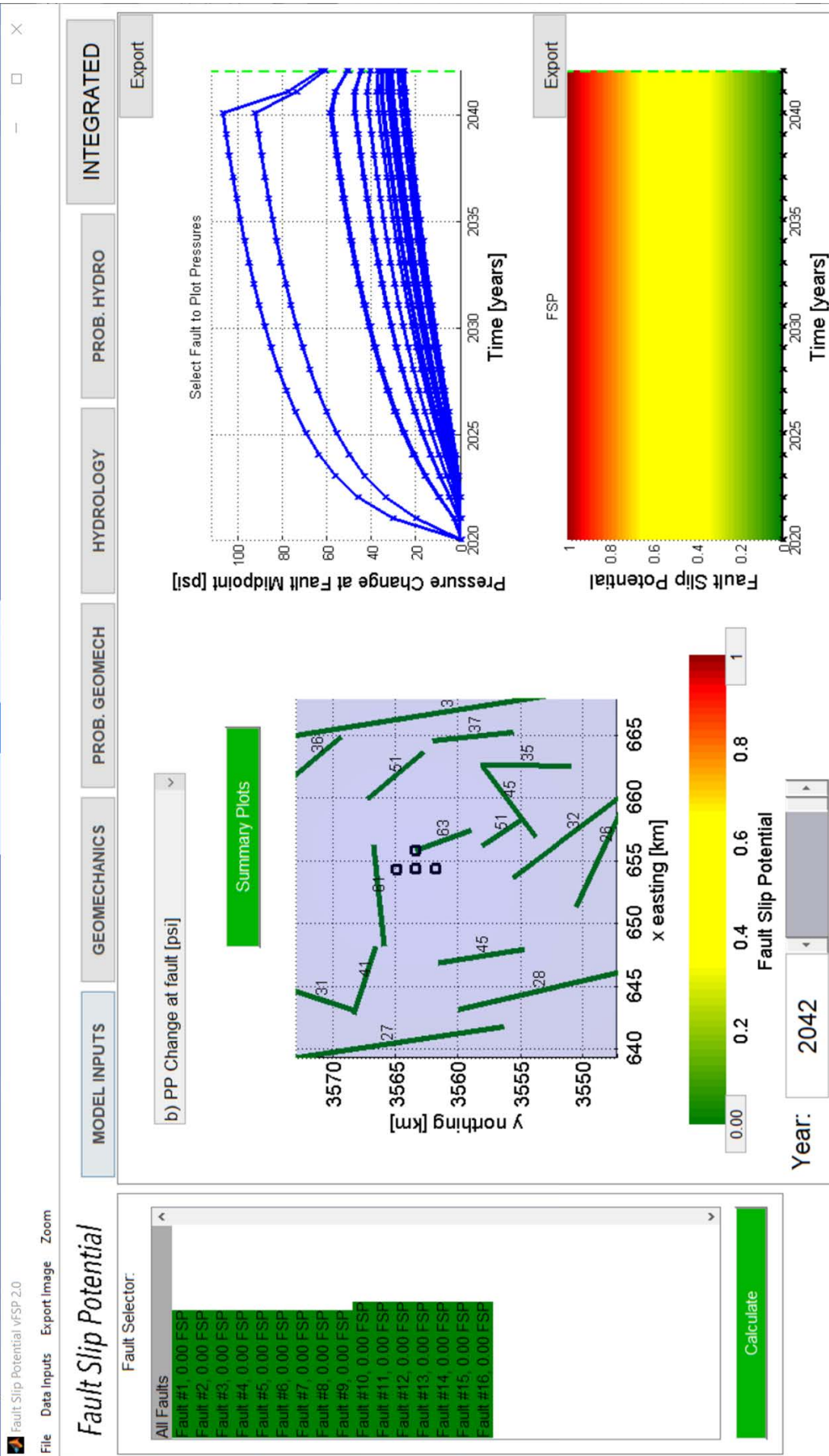
- 16 simplified basement faults sourced from Horne et al., 2020.
- Faults do not extend into injection strata, this simulation is a representation of the worst-case scenario

Horne et al. (2020) Basement-Rooted Faults of the Delaware Basin and Central Basin Platform, Permian Basin, West Texas and Southeastern New Mexico, Texas Data Repository Dataverse, V1.

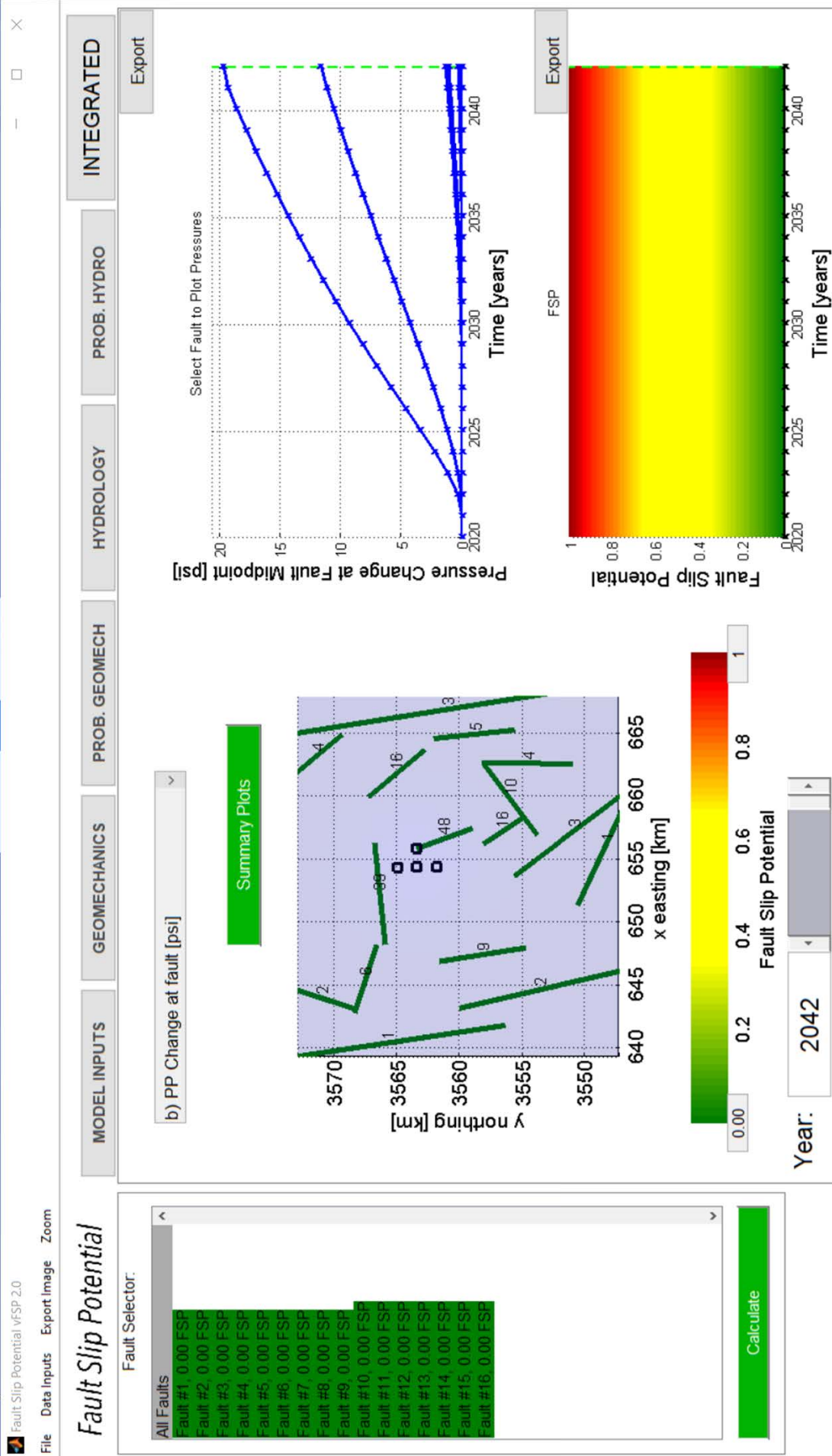
FSP Model Inputs



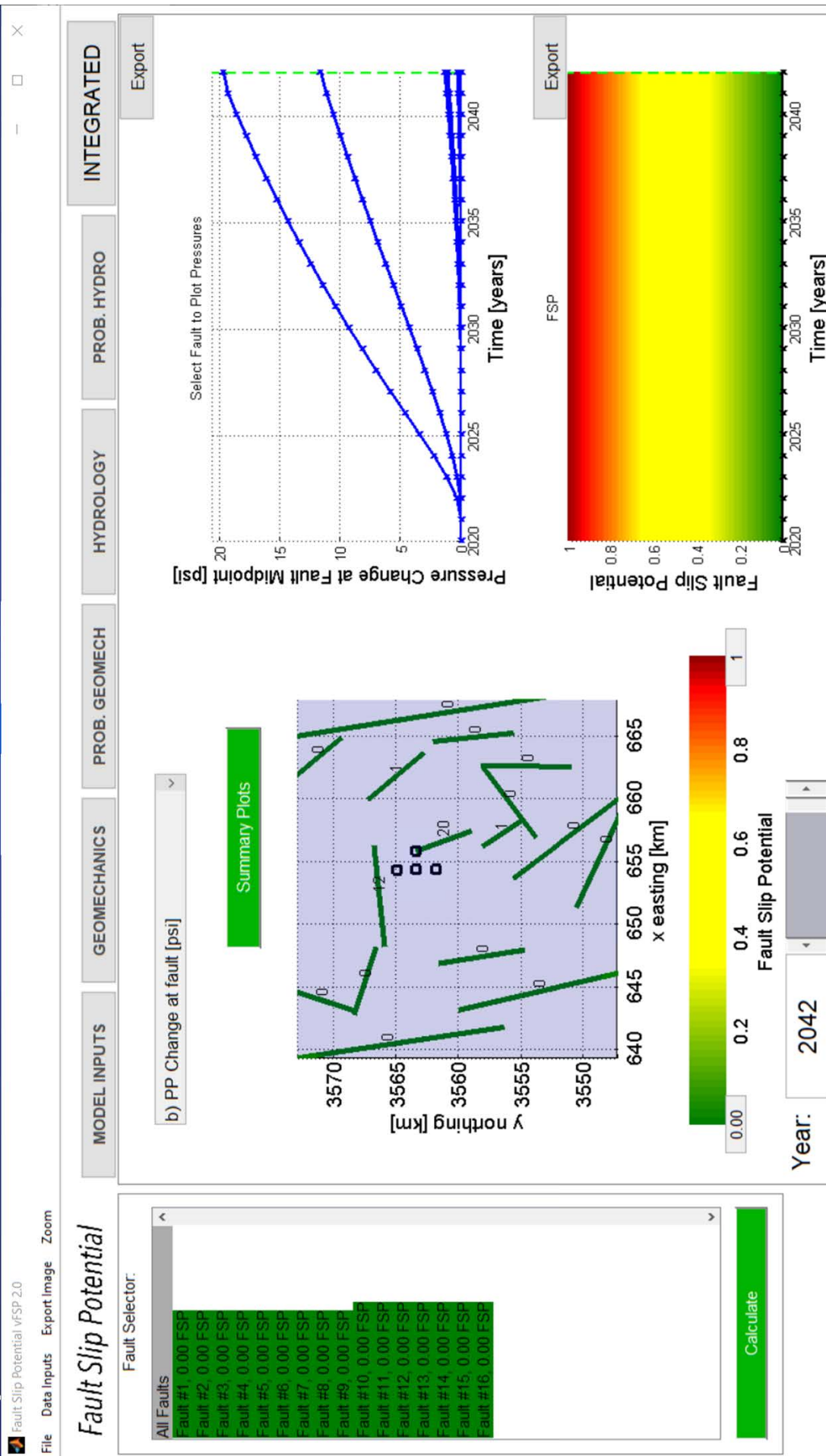
Bell Canyon: 0.00 FSP



Cherry Canyon: 0.00 FSP



Brushy Canyon: 0.00 FSP



Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

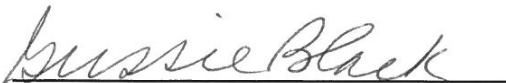
I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated
March 12, 2021
and ending with the issue dated
March 12, 2021.



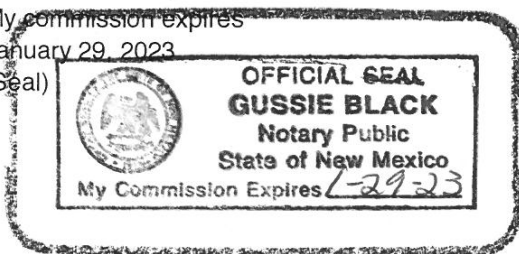
Publisher

Sworn and subscribed to before me this
12th day of March 2021.



Business Manager

My commission expires
January 29, 2023
(Seal)



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

LEGALS

LEGAL NOTICE March 12, 2021

NGL Water Solutions Permian, LLC, located at 865 North Albion Street, Suite 400, Denver, Colorado 80220, is filling Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division for administrative approval for its salt water disposal well London SWD No. 1. The proposed well will be located at 655' FSL and 355' FEL in Section 22, Township 24S, Range 35E in Lea County, New Mexico. Disposal water will be sourced from area production, and will be injected into the Bell, Cherry and Brushy Canyon Formations (determined by offset log analysis) through an open hole completion between an applied for top of 5,380 feet to a maximum depth of 8,879 feet. The maximum surface injection pressure will not exceed 1,076 psi with a maximum rate of 40,000 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, Joe Vargo, at (303) 815-1010, extension 3652. #36287

67112661

00251941

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



DETERMINATION AND NOTICE OF AFFECTED PARTIES – NEW MEXICO

If an operator or mineral lessee has legal acreage or leases within one mile of the proposed salt water disposal well, their contact information is collected for notification purposes. Legal acreage of offset operators is gathered from the New Mexico Oil Conservation District's Permitting website. Minerals leased from the federal government are determined by referencing the Bureau of Land Management's Land and Mineral System Reports database. Minerals leased from the state government are determined by referencing the New Mexico State Land Office's Data Access database. Contact information for the affected parties is then extracted from the reports that were filed with the appropriate regulatory agency.

Notices were sent for the London SWD No. 1 application by mailing them a copy of Form C-108, C-108 supplemental information, and plat. The individual tracking numbers and delivery confirmations are documented in the subsequent pages.

A handwritten signature in blue ink, appearing to read "J. Vargo", is written over a horizontal line.

Joseph Vargo
Regulatory Director

Project: NGL Water Solutions Permian, LLC
London SWD No. 1

London SWD No. 1 Notice List - Sec. 22-T245-R35E						
S-T-R	Lease	Notice Party Type	Notice Party	Address	Tracking No.	Carrier
			Oil Conservation Division District IV	TO BE SUBMITTED ONLINE.	N/A	N/A
			Oil Conservation Division District I - Hobbs	1625 N. French Drive, Hobbs, New Mexico 88240	7733 0250 2090	FedEx
Surface Owner						
		SURFACE - SWD TRACT	TAP ROCK NM-10 MINERALS LLC	602 PARK POINT DRIVE, SUITE 200, GOLDEN, CO 80401	9314869904300080426145	USPS
Mineral Owners						
Multiple	-	SURFACE TRACT MINERAL OWNER	BUREAU OF LAND MGMT	301 Dinosaur Trail Santa Fe, NM 87508	7733 0275 3877	FedEx
Multiple		ADJACENT TRACT MINERAL OWNER	NEW MEXICO STATE LAND OFFICE	P.O. Box 1148, Santa Fe, NM 87504	9314869904300080426169	USPS
Notice Parties - 1-Mile						
S15-245-35E	VO-9277-0001	LESSEE	ENERGEN RESOURCES CORPORATION	500 W TEXAS AVE, STE 1200, MIDLAND TX 79701	7733 0345 3886	FedEx
S15-245-35E	VO-9277-0000	LESSEE	COG OPERATING LLC	600 W Illinois Ave, Midland, TX 79701	9314869904300080426299	USPS
S14-245-35E	NMNM 132080	LESSEE/OPERATING RIGHTS	FRANKLIN MOUNTAIN ENERGY 2 LLC	123 W MILLS AVE STE 600, EL PASO TX 79901-1577	9314869904300080426305	USPS
S23-245-35E	NMNM 138891	LESSEE	FRANKLIN MOUNTAIN ENERGY LLC	123 W MILLS AVE STE 600, EL PASO TX 79901-1577	9314869904300080426305	USPS
S26-245-35E						
S21-245-35E	NMNM 0001228	LESSEE	OCCIDENTAL PERMIAN LP	5 E GREENWAY PLAZA #110, HOUSTON TX 77046-0521	9314869904300080426183	USPS
	NMNM 0001228A					
S21-245-35E	NMNM 0001228	LESSEE	XTO HOLDINGS LLC	22777 SPRINGWOODS VILLAGE PKWY, SPRING TX 77389-1425	7733 0284 9866	FedEx
	NMNM 0001228A					
S21-245-35E	NMNM 0001228	OPERATING RIGHTS	RSE PARTNERS I LP	3141 HOOD ST #700, DALLAS TX 75219	7733 0287 5613	FedEx
	NMNM 0001228A					
S21-245-35E	NMNM 0001228	OPERATING RIGHTS	OXY Y-1 CO	5 GREENWAY PLZ STE 110, HOUSTON TX 77046-0521	9314869904300080426213	USPS
	NMNM 0001228A					
S21-245-35E	NMNM 0001228	OPERATING RIGHTS	OXY USA WTP LP	5 GREENWAY PLZ STE 110, HOUSTON TX 77046-0521	9314869904300080426237	USPS
	NMNM 0001228A					
S21-245-35E	NMNM 0001228	OPERATING RIGHTS	CHEVRON USA INC	6301 DEAUVILLE, MIDLAND TX 79706-2964	7733 0310 3015	FedEx
	NMNM 0001228A					
S21-245-35E	NMNM 0001228	OPERATING RIGHTS	OXY USA INC	5 GREENWAY PLZ STE 110, HOUSTON TX 77046-0521	9314869904300080426213	USPS
	NMNM 0001228A					
S21-245-35E	NMNM 0001228	OPERATING RIGHTS	ADVANCE ENERGY PARTNERS LLC	11490 WESTHEIMER RD STE 950, HOUSTON TX 77077-6841	9314869904300080426251	USPS
	NMNM 0001228A					
S21-245-35E	NMNM 0001228	OPERATING RIGHTS	CHEVRON MIDCONTINENT LP	6301 DEAUVILLE, MIDLAND TX 79706-2964	7733 0310 3015	FedEx
	NMNM 0001228A					
S21-245-35E	NMNM 0001228	OPERATING RIGHTS	FRANKLIN MOUNTAIN ENERGY LLC	44 COOK ST STE 1000, DENVER, CO 80206-5827	9314869904300080426288	USPS
	NMNM 0001228A					
S26-245-35E (W2E2)	NMNM 0001228	OPERATING RIGHTS	CHESAPEAKE EXPL LLC	PO BOX 18496, OKLAHOMA CITY, OK 73154-0496	9314869904300080426275	USPS
		MINERAL OWNER	TAP ROCK NM10 MINERALS LLC	602 Park Point Drive Suite 200, Golden, CO 80401	9314869904300080426145	USPS
S15-245-35E		OPERATOR	COG OPERATING LLC	600 W Illinois Ave, Midland, TX 79701	9314869904300080426299	USPS
S16-245-35E		OPERATOR	BC & D OPERATING INC.	1008 West Broadway, Hobbs, NM 88240	9314869904300080426329	USPS
S23-245-35E						
S22-245-35E		OPERATOR	TAP ROCK OPERATING, LLC	523 Park Point Drive Suite 200, Golden, CO 80401	9314869904300080426312	USPS
S26-245-35E						
S27-245-35E						

**Shipment Receipt****Address Information****Ship to:**

OIL CONSERVATION DIVISION
DISTRICT I
1625 N FRENCH DRIVE

HOBBS, NM
88240
US
5753936161

Ship from:

Chris Weyand
Lonquist Field Service
1415 Louisiana Street
Ste 3800
HOUSTON, TX
77002
US
5126001764

Shipment Information:

Tracking no.: 773302502090
Ship date: 03/30/2021
Estimated shipping charges: 19.87 USD

Package Information

Pricing option: FedEx Standard Rate
Service type: FedEx Ground
Package type: Your Packaging
Number of packages: 1
Total weight: 2 LBS
Declared Value: 0.00 USD
Special Services: Direct signature required
Pickup/Drop-off: Drop off package at FedEx location

Billing Information:

Bill transportation to: Houston-089
Your reference: 2376-LONDON, SPRINGMEYER
P.O. no.:
Invoice no.:
Department no.:

Thank you for shipping online with FedEx ShipManager at fedex.com.

Please Note

FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1000, e.g., jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits; Consult the applicable FedEx Service Guide for details. The estimated shipping charge may be different than the actual charges for your shipment. Differences may occur based on actual weight, dimensions, and other factors. Consult the applicable [FedEx Service Guide](#) or the FedEx Rate Sheets for details on how shipping charges are calculated.

**Shipment Receipt****Address Information****Ship to:**

BUREAU OF LAND MGMT

301 DINOSAUR TRAIL

SANTA FE, NM

87508

US

5059542000

Ship from:

Chris Weyand

Lonquist Field Service

1415 LOUISIANA STREET

STE 3800

HOUSTON, TX

77002

US

5126001764

Shipment Information:

Tracking no.: 773302753877

Ship date: 03/30/2021

Estimated shipping charges: 20.10 USD

Package Information

Pricing option: FedEx Standard Rate

Service type: FedEx Ground

Package type: Your Packaging

Number of packages: 1

Total weight: 2 LBS

Declared Value: 0.00 USD

Special Services: Direct signature required

Pickup/Drop-off: Drop off package at FedEx location

Billing Information:

Bill transportation to: Houston-089

Your reference: 2376-LONDON, SPRINGMEYER

P.O. no.:

Invoice no.:

Department no.:

Thank you for shipping online with FedEx ShipManager at fedex.com.**Please Note**

FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1000, e.g., jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits; Consult the applicable FedEx Service Guide for details.

The estimated shipping charge may be different than the actual charges for your shipment. Differences may occur based on actual weight, dimensions, and other factors. Consult the applicable [FedEx Service Guide](#) or the FedEx Rate Sheets for details on how shipping charges are calculated.

**Shipment Receipt****Address Information****Ship to:**

COG OPERATING LLC

ONE CONCHO CENTER
600 W ILLINOIS AVE
MIDLAND, TX
79701
US
4326850727

Ship from:

Chris Weyand
Lonquist Field Service
1415 LOUISIANA ST
STE 3800
HOUSTON, TX
77002
US
5126001764

Shipment Information:

Tracking no.: 773302812571
Ship date: 03/30/2021
Estimated shipping charges: 16.52 USD

Package Information

Pricing option: FedEx Standard Rate
Service type: FedEx Ground
Package type: Your Packaging
Number of packages: 1
Total weight: 2 LBS
Declared Value: 0.00 USD
Special Services: Direct signature required
Pickup/Drop-off: Drop off package at FedEx location

Billing Information:

Bill transportation to: Houston-089
Your reference: 2376-LONDON,SPRINGMEYER
P.O. no.:
Invoice no.:
Department no.:

Thank you for shipping online with FedEx ShipManager at fedex.com.

Please Note

FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1000, e.g., jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits; Consult the applicable FedEx Service Guide for details.
The estimated shipping charge may be different than the actual charges for your shipment. Differences may occur based on actual weight, dimensions, and other factors. Consult the applicable [FedEx Service Guide](#) or the FedEx Rate Sheets for details on how shipping charges are calculated.

**Shipment Receipt****Address Information****Ship to:**

XTO HOLDING LLC
ATTN.: LANG MANAGER-LOC 115
22777 SPRINGWOODS VILLAGE
PKWY

SPRING, TX
77389-1425
US
8326244558

Ship from:

Chris Weyand
Lonquist Field Service
1415 LOUISIANA ST

STE 3800
HOUSTON, TX
77002
US
5126001764

Shipment Information:

Tracking no.: 773302849866
Ship date: 03/30/2021
Estimated shipping charges: 15.45 USD

Package Information

Pricing option: FedEx Standard Rate
Service type: FedEx Ground
Package type: Your Packaging
Number of packages: 1
Total weight: 2 LBS
Declared Value: 0.00 USD
Special Services: Direct signature required
Pickup/Drop-off: Drop off package at FedEx location

Billing Information:

Bill transportation to: Houston-089
Your reference: 2376-LONDON,SPRINGMEYER
P.O. no.:
Invoice no.:
Department no.:

Thank you for shipping online with FedEx ShipManager at fedex.com.

Please Note

FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1000, e.g., jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits; Consult the applicable FedEx Service Guide for details.

The estimated shipping charge may be different than the actual charges for your shipment. Differences may occur based on actual weight, dimensions, and other factors. Consult the applicable [FedEx Service Guide](#) or the FedEx Rate Sheets for details on how shipping charges are calculated.

**Shipment Receipt****Address Information****Ship to:**

RSE PARTNERS LP

3141 HOOD ST
STE 700
DALLAS, TX
75219
US
5126001764**Ship from:**Chris Weyand
Lonquist Field Service
1415 LOUISIANA ST
STE 3800
HOUSTON, TX
77002
US
5126001764**Shipment Information:**

Tracking no.: 773302875613

Ship date: 03/30/2021

Estimated shipping charges: 15.72 USD

Package Information

Pricing option: FedEx Standard Rate

Service type: FedEx Ground

Package type: Your Packaging

Number of packages: 1

Total weight: 2 LBS

Declared Value: 0.00 USD

Special Services: Direct signature required

Pickup/Drop-off: Drop off package at FedEx location

Billing Information:

Bill transportation to: Houston-089

Your reference: 2376-LONDON,SPRINGMEYER

P.O. no.:

Invoice no.:

Department no.:

Thank you for shipping online with FedEx ShipManager at fedex.com.**Please Note**

FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1000, e.g., jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits; Consult the applicable FedEx Service Guide for details.

The estimated shipping charge may be different than the actual charges for your shipment. Differences may occur based on actual weight, dimensions, and other factors. Consult the applicable [FedEx Service Guide](#) or the FedEx Rate Sheets for details on how shipping charges are calculated.

**Shipment Receipt****Address Information****Ship to:**

Chevron Midcontinent, LP
CHEVRON USA INC
6301 Deauville Blvd

MIDLAND, TX
79706
US
8662121212

Ship from:

Chris Weyand
Lonquist Field Service
1415 LOUISIANA ST
STE 3800
HOUSTON, TX
77002
US
5126001764

Shipment Information:

Tracking no.: 773303103015
Ship date: 03/30/2021
Estimated shipping charges: 19.87 USD

Package Information

Pricing option: FedEx Standard Rate
Service type: FedEx Ground
Package type: Your Packaging
Number of packages: 1
Total weight: 2 LBS
Declared Value: 0.00 USD
Special Services: Direct signature required
Pickup/Drop-off: Drop off package at FedEx location

Billing Information:

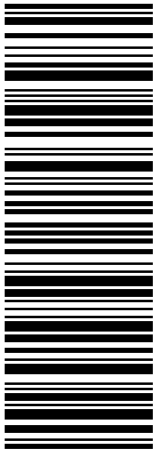
Bill transportation to: Houston-089
Your reference: 2376-LONDON,SPRINGMEYER
P.O. no.:
Invoice no.:
Department no.:

Thank you for shipping online with FedEx ShipManager at fedex.com.

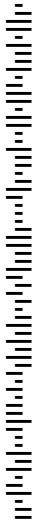
Please Note

FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1000, e.g., jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits; Consult the applicable FedEx Service Guide for details. The estimated shipping charge may be different than the actual charges for your shipment. Differences may occur based on actual weight, dimensions, and other factors. Consult the applicable [FedEx Service Guide](#) or the FedEx Rate Sheets for details on how shipping charges are calculated.

Lonquist & CO LLC
1415 Louisiana St.
Ste 3800
Houston, TX 77002



9314 8699 0430 0080 6460 93
RETURN RECEIPT (ELECTRONIC)



Total Postage: \$7.95

RSE PARTNERS
3141 HOOD STREET #700
2376 LONDON SWD #1, SPRINGMEYER SWD #1
DALLAS, TX 75219

Reference Number:



March 29, 2021

Dear WALZ GROUP:

The following is in response to your request for proof of delivery on your item with the tracking number:
9314 8699 0430 0080 4263 29.

Item Details

Status: Delivered, Left with Individual
Status Date / Time: March 22, 2021, 12:12 p.m.
Location: HOBBS, NM 88240
Postal Product: First-Class Mail®
Extra Services: Certified Mail™
Return Receipt Electronic
Recipient Name: BC D OPERATING INC

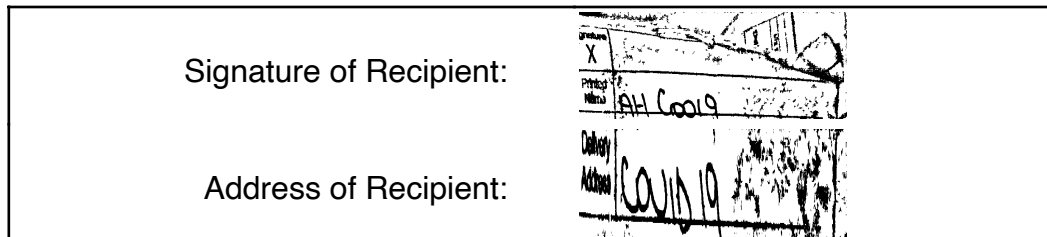
Shipment Details

Weight: 5.0oz

Destination Delivery Address

Street Address: 1008 W BROADWAY ST
City, State ZIP Code: HOBBS, NM 88240-5531

Recipient Signature



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Thank you for selecting the United States Postal Service® for your mailing needs. If you require additional assistance, please contact your local Post Office™ or a Postal representative at 1-800-222-1811.

Sincerely,
United States Postal Service®
475 L'Enfant Plaza SW
Washington, D.C. 20260-0004

Information in this section provided by Covius Document Services, LLC.

Reference Number: 2376-SPRINGMEYER SWD #1



March 29, 2021

Dear WALZ GROUP:

The following is in response to your request for proof of delivery on your item with the tracking number:
9314 8699 0430 0080 4263 12.

Item Details

Status:	Delivered to Agent for Final Delivery
Status Date / Time:	March 22, 2021, 01:17 p.m.
Location:	GOLDEN, CO 80401
Postal Product:	First-Class Mail®
Extra Services:	Certified Mail™ Return Receipt Electronic
Recipient Name:	TAP ROCK OPERATING LLC

Shipment Details

Weight:	8.0oz
----------------	-------

Recipient Signature

Signature of Recipient:
(Authorized Agent)

Address of Recipient:

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Sincerely,
United States Postal Service®
475 L'Enfant Plaza SW
Washington, D.C. 20260-0004

Information in this section provided by Covius Document Services, LLC.

Reference Number: 2376-SPRINGMEYER SWD #1/LONDON SWD #1



March 29, 2021

Dear WALZ GROUP:

The following is in response to your request for proof of delivery on your item with the tracking number:
9314 8699 0430 0080 4262 99.

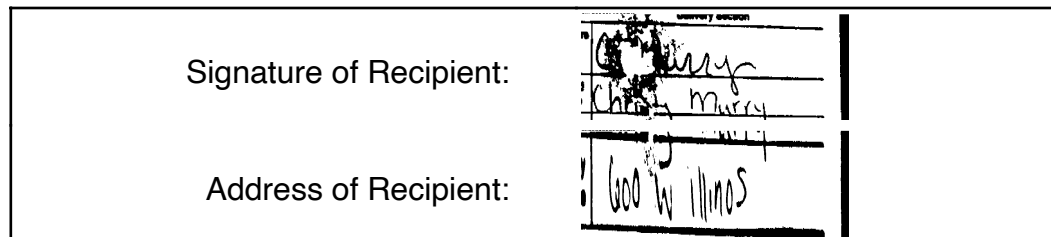
Item Details

Status:	Delivered, Individual Picked Up at Postal Facility
Status Date / Time:	March 22, 2021, 08:41 a.m.
Location:	MIDLAND, TX 79702
Postal Product:	First-Class Mail®
Extra Services:	Certified Mail™ Return Receipt Electronic
Recipient Name:	COG OPERATING LLC

Shipment Details

Weight:	8.0oz
----------------	-------

Recipient Signature



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Sincerely,
United States Postal Service®
475 L'Enfant Plaza SW
Washington, D.C. 20260-0004

Information in this section provided by Covius Document Services, LLC.

Reference Number: 2376-SPRINGMEYER SWD #1/LONDON SWD #1



March 22, 2021

Dear WALZ GROUP:

The following is in response to your request for proof of delivery on your item with the tracking number:
9314 8699 0430 0080 4262 82.

Item Details

Status: Delivered, Front Desk/Reception/Mail Room
Status Date / Time: March 20, 2021, 10:52 a.m.
Location: DALLAS, TX 75240
Postal Product: First-Class Mail®
Extra Services: Certified Mail™
Return Receipt Electronic
Recipient Name: MRC PERMIAN CO

Shipment Details

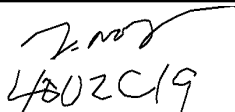
Weight: 8.0oz

Destination Delivery Address


Street Address: 5400 LYNDON B JOHNSON FWY STE 1500
City, State ZIP Code: DALLAS, TX 75240-1017

Recipient Signature

Signature of Recipient:



Address of Recipient:



Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

Thank you for selecting the United States Postal Service® for your mailing needs. If you require additional assistance, please contact your local Post Office™ or a Postal representative at 1-800-222-1811.

Sincerely,
United States Postal Service®
475 L'Enfant Plaza SW
Washington, D.C. 20260-0004

Information in this section provided by Covius Document Services, LLC.

Reference Number: 2376-SPRINGMEYER SWD #1/LONDON SWD #1



March 29, 2021

Dear WALZ GROUP:

The following is in response to your request for proof of delivery on your item with the tracking number:
9314 8699 0430 0080 4262 75.

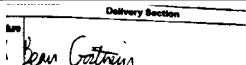
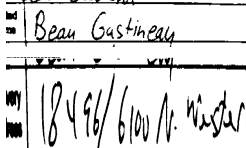
Item Details

Status: Delivered, Individual Picked Up at Postal Facility
Status Date / Time: March 25, 2021, 07:40 a.m.
Location: OKLAHOMA CITY, OK 73118
Postal Product: First-Class Mail®
Extra Services: Certified Mail™
Return Receipt Electronic
Recipient Name: CHESAPEAKE EXPL LLC

Shipment Details

Weight: 8.0oz

Recipient Signature

Signature of Recipient:	
Address of Recipient:	

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

Thank you for selecting the United States Postal Service® for your mailing needs. If you require additional assistance, please contact your local Post Office™ or a Postal representative at 1-800-222-1811.

Sincerely,
United States Postal Service®
475 L'Enfant Plaza SW
Washington, D.C. 20260-0004

Information in this section provided by Covius Document Services, LLC.

Reference Number: 2376-SPRINGMEYER SWD #1/LONDON SWD #1



March 29, 2021

Dear WALZ GROUP:

The following is in response to your request for proof of delivery on your item with the tracking number:
9314 8699 0430 0080 4262 68.

Item Details

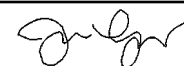
Status:	Delivered
Status Date / Time:	March 25, 2021, 03:31 p.m.
Location:	DENVER, CO 80246
Postal Product:	First-Class Mail®
Extra Services:	Certified Mail™ Return Receipt Electronic
Recipient Name:	FRANKLIN MOUNTAIN ENERGY LLC

Shipment Details

Weight:	8.0oz
----------------	-------

Recipient Signature

Signature of Recipient:


Jessira Grey

Address of Recipient:

44 Cook St 100C

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

Thank you for selecting the United States Postal Service® for your mailing needs. If you require additional assistance, please contact your local Post Office™ or a Postal representative at 1-800-222-1811.

Sincerely,
United States Postal Service®
475 L'Enfant Plaza SW
Washington, D.C. 20260-0004

Information in this section provided by Covius Document Services, LLC.

Reference Number: 2376-SPRINGMEYER SWD #1/LONDON SWD #1



March 29, 2021

Dear WALZ GROUP:

The following is in response to your request for proof of delivery on your item with the tracking number:
9314 8699 0430 0080 4262 51.

Item Details

Status: Delivered, Front Desk/Reception/Mail Room
Status Date / Time: March 22, 2021, 04:25 p.m.
Location: HOUSTON, TX 77077
Postal Product: First-Class Mail®
Extra Services: Certified Mail™
Return Receipt Electronic
Recipient Name: ADVANCE ENERGY PARTNERS LLC

Shipment Details

Weight: 8.0oz

Destination Delivery Address

Street Address: 11490 WESTHEIMER RD
City, State ZIP Code: HOUSTON, TX 77077-6800

Recipient Signature

Signature of Recipient:

San 11
Covius

Address of Recipient:

11490
Westheimer
300

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

Thank you for selecting the United States Postal Service® for your mailing needs. If you require additional assistance, please contact your local Post Office™ or a Postal representative at 1-800-222-1811.

Sincerely,
United States Postal Service®
475 L'Enfant Plaza SW
Washington, D.C. 20260-0004

Information in this section provided by Covius Document Services, LLC.

Reference Number: 2376-SPRINGMEYER SWD #1/LONDON SWD #1



March 29, 2021

Dear WALZ GROUP:

The following is in response to your request for proof of delivery on your item with the tracking number:
9314 8699 0430 0080 4262 37.

Item Details

Status:	Delivered to Agent for Final Delivery
Status Date / Time:	March 23, 2021, 11:10 a.m.
Location:	HOUSTON, TX 77046
Postal Product:	First-Class Mail®
Extra Services:	Certified Mail™ Return Receipt Electronic
Recipient Name:	OXY USA WTP LP

Shipment Details

Weight:	8.0oz
----------------	-------

Recipient Signature

Signature of Recipient:
(Authorized Agent)

Address of Recipient:

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

Thank you for selecting the United States Postal Service® for your mailing needs. If you require additional assistance, please contact your local Post Office™ or a Postal representative at 1-800-222-1811.

Sincerely,
United States Postal Service®
475 L'Enfant Plaza SW
Washington, D.C. 20260-0004

Information in this section provided by Covius Document Services, LLC.

Reference Number: 2376-SPRINGMEYER SWD #1/LONDON SWD #1



March 29, 2021

Dear WALZ GROUP:

The following is in response to your request for proof of delivery on your item with the tracking number:
9314 8699 0430 0080 4262 20.

Item Details

Status:	Delivered to Agent for Final Delivery
Status Date / Time:	March 23, 2021, 11:10 a.m.
Location:	HOUSTON, TX 77046
Postal Product:	First-Class Mail®
Extra Services:	Certified Mail™ Return Receipt Electronic
Recipient Name:	OXY USA INC

Shipment Details

Weight:	8.0oz
----------------	-------

Recipient Signature

Signature of Recipient:
(Authorized Agent)

Address of Recipient:

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

Thank you for selecting the United States Postal Service® for your mailing needs. If you require additional assistance, please contact your local Post Office™ or a Postal representative at 1-800-222-1811.

Sincerely,
United States Postal Service®
475 L'Enfant Plaza SW
Washington, D.C. 20260-0004

Information in this section provided by Covius Document Services, LLC.

Reference Number: 2376-SPRINGMEYER SWD #1/LONDON SWD #1



March 29, 2021

Dear WALZ GROUP:

The following is in response to your request for proof of delivery on your item with the tracking number:
9314 8699 0430 0080 4262 13.

Item Details

Status:	Delivered to Agent for Final Delivery
Status Date / Time:	March 22, 2021, 10:57 a.m.
Location:	HOUSTON, TX 77046
Postal Product:	First-Class Mail®
Extra Services:	Certified Mail™ Return Receipt Electronic
Recipient Name:	OXY Y 1 CO OXY USA INC

Shipment Details

Weight:	8.0oz
----------------	-------

Recipient Signature

Signature of Recipient:
(Authorized Agent)

CV/9
CH

Address of Recipient:

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

Thank you for selecting the United States Postal Service® for your mailing needs. If you require additional assistance, please contact your local Post Office™ or a Postal representative at 1-800-222-1811.

Sincerely,
United States Postal Service®
475 L'Enfant Plaza SW
Washington, D.C. 20260-0004

Information in this section provided by Covius Document Services, LLC.

Reference Number: 2376-SPRINGMEYER SWD #1/LONDON SWD #1



March 29, 2021

Dear WALZ GROUP:

The following is in response to your request for proof of delivery on your item with the tracking number:
9314 8699 0430 0080 4261 83.

Item Details

Status:	Delivered to Agent for Final Delivery
Status Date / Time:	March 22, 2021, 10:57 a.m.
Location:	HOUSTON, TX 77046
Postal Product:	First-Class Mail®
Extra Services:	Certified Mail™ Return Receipt Electronic
Recipient Name:	OCCIDENTAL PERMIAN LP

Shipment Details

Weight:	8.0oz
----------------	-------

Recipient Signature

Signature of Recipient:
(Authorized Agent)

CV/9
CH

Address of Recipient:

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

Thank you for selecting the United States Postal Service® for your mailing needs. If you require additional assistance, please contact your local Post Office™ or a Postal representative at 1-800-222-1811.

Sincerely,
United States Postal Service®
475 L'Enfant Plaza SW
Washington, D.C. 20260-0004

Information in this section provided by Covius Document Services, LLC.

Reference Number: 2376-SPRINGMEYER SWD #1/LONDON SWD #1



March 29, 2021

Dear WALZ GROUP:

The following is in response to your request for proof of delivery on your item with the tracking number:
9314 8699 0430 0080 4261 69.

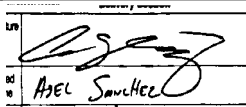
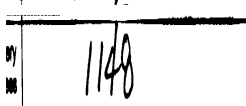
Item Details

Status:	Delivered, Individual Picked Up at Postal Facility
Status Date / Time:	March 22, 2021, 07:00 a.m.
Location:	SANTA FE, NM 87501
Postal Product:	First-Class Mail®
Extra Services:	Certified Mail™ Return Receipt Electronic
Recipient Name:	NEW MEXICO STATE LAND OFFICE

Shipment Details

Weight:	8.0oz
----------------	-------

Recipient Signature

Signature of Recipient:	
Address of Recipient:	

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

Thank you for selecting the United States Postal Service® for your mailing needs. If you require additional assistance, please contact your local Post Office™ or a Postal representative at 1-800-222-1811.

Sincerely,
United States Postal Service®
475 L'Enfant Plaza SW
Washington, D.C. 20260-0004

Information in this section provided by Covius Document Services, LLC.

Reference Number: 2376-SPRINGMEYER SWD #1/LONDON SWD #1



March 29, 2021

Dear WALZ GROUP:

The following is in response to your request for proof of delivery on your item with the tracking number:
9314 8699 0430 0080 4261 45.

Item Details

Status:	Delivered to Agent for Final Delivery
Status Date / Time:	March 23, 2021, 12:02 p.m.
Location:	GOLDEN, CO 80401
Postal Product:	First-Class Mail®
Extra Services:	Certified Mail™ Return Receipt Electronic
Recipient Name:	TAP ROCK NM 10 MINERALS LLC

Shipment Details

Weight:	8.0oz
----------------	-------

Recipient Signature

Signature of Recipient:
(Authorized Agent)

Address of Recipient:



Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

Thank you for selecting the United States Postal Service® for your mailing needs. If you require additional assistance, please contact your local Post Office™ or a Postal representative at 1-800-222-1811.

Sincerely,
United States Postal Service®
475 L'Enfant Plaza SW
Washington, D.C. 20260-0004

Information in this section provided by Covius Document Services, LLC.

Reference Number: 2376-SPRINGMEYER SWD #1/LONDON SWD #1



March 29, 2021

Dear WALZ GROUP:

The following is in response to your request for proof of delivery on your item with the tracking number:
9314 8699 0430 0080 4396 64.

Item Details

Status:	Delivered, Left with Individual
Status Date / Time:	March 23, 2021, 10:57 a.m.
Location:	EL PASO, TX 79901
Postal Product:	First-Class Mail®
Extra Services:	Certified Mail™ Return Receipt Electronic
Recipient Name:	FRANKLIN MOUNTAIN ENERGY 2 LLC

Shipment Details

Weight:	5.0oz
----------------	-------

Destination Delivery Address

Street Address:	123 W MILLS AVE
City, State ZIP Code:	EL PASO, TX 79901-1339

Recipient Signature

Signature of Recipient:

WALZ
C-19

Address of Recipient:

123 Mills
600

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

Thank you for selecting the United States Postal Service® for your mailing needs. If you require additional assistance, please contact your local Post Office™ or a Postal representative at 1-800-222-1811.

Sincerely,
United States Postal Service®
475 L'Enfant Plaza SW
Washington, D.C. 20260-0004

Information in this section provided by Covius Document Services, LLC.

Reference Number: 2376-SPRINGMEYER SWD #1/LONDON SWD #1



March 29, 2021

Dear WALZ GROUP:

The following is in response to your request for proof of delivery on your item with the tracking number:
9314 8699 0430 0080 4396 57.

Item Details

Status: Delivered, Front Desk/Reception/Mail Room
Status Date / Time: March 22, 2021, 12:59 p.m.
Location: EL PASO, TX 79901
Postal Product: First-Class Mail®
Extra Services: Certified Mail™
Return Receipt Electronic
Recipient Name: FRANKLIN MOUNTAIN ENERGY LLC

Shipment Details

Weight: 5.0oz

Destination Delivery Address

Street Address: 123 W MILLS AVE
City, State ZIP Code: EL PASO, TX 79901-1339

Recipient Signature

Signature of Recipient:

Address of Recipient:

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

Thank you for selecting the United States Postal Service® for your mailing needs. If you require additional assistance, please contact your local Post Office™ or a Postal representative at 1-800-222-1811.

Sincerely,
United States Postal Service®
475 L'Enfant Plaza SW
Washington, D.C. 20260-0004

Information in this section provided by Covius Document Services, LLC.

Reference Number: 2376-SPRINGMEYER SWD #1/LONDON SWD #1



TRACK ANOTHER SHIPMENT

773302502090

[ADD NICKNAME](#)

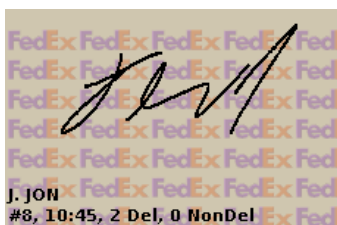


Delivered
Monday, April 5, 2021 at 10:45 am



DELIVERED

Signed for by: JJON



[GET STATUS UPDATES](#)

[OBTAIN PROOF OF DELIVERY](#)

Direct signature required

FROM

Longquist Field Service
Chris Weyand
1415 Louisiana Street
Ste 3800
HOUSTON, TX US 77002
512-600-1764

TO

OIL CONSERVATION DIVISION
DISTRICT I
1625 N FRENCH DRIVE
Hobbs, NM US 88240
575-393-6161

Travel History

TIME ZONE

Local Scan Time



Monday, April 5, 2021

10:45 AM	Hobbs, NM	Delivered
5:33 AM	CARLSBAD, NM	On FedEx vehicle for delivery
5:16 AM	CARLSBAD, NM	At local FedEx facility

Saturday, April 3, 2021

4/8/2021

4:00 AM	CARLSBAD, NM	At local FedEx facility
---------	--------------	-------------------------

Friday, April 2, 2021

7:41 AM	CARLSBAD, NM	Delivery exception Customer not available or business closed
7:03 AM	CARLSBAD, NM	On FedEx vehicle for delivery
7:02 AM	CARLSBAD, NM	At local FedEx facility

Thursday, April 1, 2021

9:15 PM	FORT WORTH, TX	Departed FedEx location
2:44 AM	FORT WORTH, TX	Arrived at FedEx location

Wednesday, March 31, 2021

9:26 PM	HOUSTON, TX	Left FedEx origin facility
6:41 PM	HOUSTON, TX	Arrived at FedEx location
3:57 PM	HOUSTON, TX	Picked up

Tuesday, March 30, 2021

9:45 PM	HOUSTON, TX	In FedEx possession Package received after final location pickup has occurred. Scheduled for pickup next business day.
9:47 AM		Shipment information sent to FedEx

Shipment Facts

TRACKING NUMBER

773302502090

SERVICE

FedEx Ground

REFERENCE

2376-LONDON, SPRINGMEYER

WEIGHT

2 lbs / 0.91 kgs

DELIVERY ATTEMPTS

2

TOTAL PIECES

1

TERMS

Shipper

PACKAGING

Package

SPECIAL HANDLING SECTION

Direct Signature Required

SHIP DATE

3/31/21 ?

SIGNATURE SERVICES

Direct signature required ?

STANDARD TRANSIT

4/5/21 ?

ACTUAL DELIVERY

4/5/21 at 10:45 am ?



TRACK ANOTHER SHIPMENT

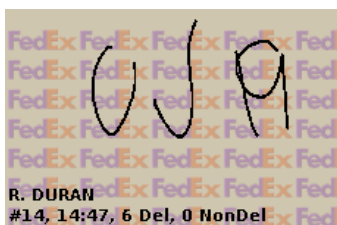
773302753877

[ADD NICKNAME](#)

Delivered
Monday, April 5, 2021 at 2:47 pm

**DELIVERED**

Signed for by: RDURAN

[GET STATUS UPDATES](#)[OBTAIN PROOF OF DELIVERY](#)

Direct signature required

FROM

Longquist Field Service
Chris Weyand
1415 LOUISIANA STREET
STE 3800
HOUSTON, TX US 77002
512-600-1764

TO

BUREAU OF LAND MGMT
BUREAU OF LAND MGMT
301 DINOSAUR TRAIL
Santa Fe, NM US 87508
505-954-2000

Travel History

TIME ZONE

Local Scan Time



Monday, April 5, 2021

2:47 PM	Santa Fe, NM	Delivered
7:36 AM	SANTA FE, NM	On FedEx vehicle for delivery
3:52 AM	SANTA FE, NM	At local FedEx facility

Sunday, April 4, 2021

4:46 AM SANTA FE, NM At local FedEx facility

Saturday, April 3, 2021

8:22 AM SANTA FE, NM At local FedEx facility

Friday, April 2, 2021

9:47 PM HENDERSON, CO Departed FedEx location

Thursday, April 1, 2021

11:27 PM HENDERSON, CO Arrived at FedEx location

3:20 PM AMARILLO, TX In transit

3:20 AM SCHERTZ, TX Departed FedEx location

12:55 AM SCHERTZ, TX Arrived at FedEx location

Wednesday, March 31, 2021

6:56 PM HOUSTON, TX Left FedEx origin facility

6:33 PM HOUSTON, TX Arrived at FedEx location

4:30 PM HOUSTON, TX Picked up

Tuesday, March 30, 2021

9:45 PM HOUSTON, TX In FedEx possession
Package received after final location pickup has occurred. Scheduled for pickup next business day.

10:02 AM Shipment information sent to FedEx

Shipment Facts

TRACKING NUMBER

773302753877

SERVICE

FedEx Ground

REFERENCE

2376-LONDON, SPRINGMEYER

WEIGHT

2 lbs / 0.91 kgs

DELIVERY ATTEMPTS

1

TOTAL PIECES

1

TERMS

Shipper

PACKAGING

Package

SPECIAL HANDLING SECTION

Direct Signature Required

SHIP DATE

3/31/21 ?

SIGNATURE SERVICES

Direct signature required ?

STANDARD TRANSIT

4/5/21 ?

ACTUAL DELIVERY

4/5/21 at 2:47 pm ?



TRACK ANOTHER SHIPMENT

773302812571

[ADD NICKNAME](#)

Delivered
Monday, April 5, 2021 at 2:23 pm

**DELIVERED**

Signed for by: KCLINTON

[GET STATUS UPDATES](#)[OBTAIN PROOF OF DELIVERY](#)

Direct signature required

FROM

Longquist Field Service
Chris Weyand

1415 LOUISIANA ST
STE 3800
HOUSTON, TX US 77002
512-600-1764

TO

COG OPERATING LLC
COG OPERATING LLC

ONE CONCHO CENTER
600 W ILLINOIS AVE
Midland, TX US 79701
432-685-0727

Travel History

TIME ZONE

Local Scan Time



Monday, April 5, 2021

2:23 PM	Midland, TX	Delivered
3:44 AM	MIDLAND, TX	On FedEx vehicle for delivery
3:28 AM	MIDLAND, TX	At local FedEx facility

Friday, April 2, 2021

12:28 PM	MIDLAND, TX	Delivery exception Local delivery restriction - Delivery not attempted
6:12 AM	MIDLAND, TX	On FedEx vehicle for delivery
5:39 AM	MIDLAND, TX	At local FedEx facility

Thursday, April 1, 2021

8:54 PM	FORT WORTH, TX	Departed FedEx location
3:07 AM	FORT WORTH, TX	Arrived at FedEx location

Wednesday, March 31, 2021

9:26 PM	HOUSTON, TX	Left FedEx origin facility
7:37 PM	HOUSTON, TX	Arrived at FedEx location
3:57 PM	HOUSTON, TX	Picked up

Tuesday, March 30, 2021

9:45 PM	HOUSTON, TX	In FedEx possession Package received after final location pickup has occurred. Scheduled for pickup next business day.
10:02 AM		Shipment information sent to FedEx

Shipment Facts

TRACKING NUMBER

773302812571

SERVICE

FedEx Ground

REFERENCE

2376-LONDON,SPRINGMEYER

WEIGHT

2 lbs / 0.91 kgs

DELIVERY ATTEMPTS

2

TOTAL PIECES

1

TERMS

Shipper

PACKAGING

Package

SPECIAL HANDLING SECTION

Direct Signature Required

SHIP DATE

3/31/21 ?

SIGNATURE SERVICES

Direct signature required ?

STANDARD TRANSIT

4/5/21 ?

ACTUAL DELIVERY

4/5/21 at 2:23 pm ?



TRACK ANOTHER SHIPMENT

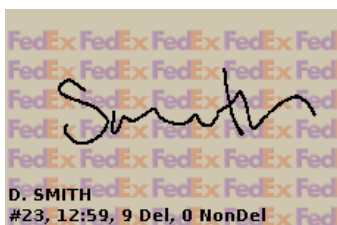
773302849866

[ADD NICKNAME](#)

Delivered
Thursday, April 1, 2021 at 12:59 pm

**DELIVERED**

Signed for by: DSMITH

[GET STATUS UPDATES](#)[OBTAIN PROOF OF DELIVERY](#)

Direct signature required

FROM

Longquist Field Service
Chris Weyand
1415 LOUISIANA ST
STE 3800
HOUSTON, TX US 77002
512-600-1764

TO

XTO HOLDING LLC
ATTN.: LANG MANAGER-LOC 115
22777 SPRINGWOODS VILLAGE PKWY
Spring, TX US 77389
832-624-4558

Travel History

TIME ZONE

Local Scan Time



Thursday, April 1, 2021

12:59 PM	Spring, TX	Delivered
8:49 AM	SPRING, TX	On FedEx vehicle for delivery
8:26 AM	SPRING, TX	At local FedEx facility
5:14 AM	MISSOURI CITY, TX	Departed FedEx location
12:41 AM	MISSOURI CITY, TX	Arrived at FedEx location

Wednesday, March 31, 2021

9:27 PM	HOUSTON, TX	Left FedEx origin facility
8:44 PM	HOUSTON, TX	Arrived at FedEx location
4:30 PM	HOUSTON, TX	Picked up

Tuesday, March 30, 2021

9:45 PM	HOUSTON, TX	In FedEx possession Package received after final location pickup has occurred. Scheduled for pickup next business day.
10:02 AM		Shipment information sent to FedEx

Shipment Facts

TRACKING NUMBER

773302849866

SERVICE

FedEx Ground

REFERENCE

2376-LONDON,SPRINGMEYER

WEIGHT

2 lbs / 0.91 kgs

DELIVERY ATTEMPTS

1

TOTAL PIECES

1

TERMS

Shipper

PACKAGING

Package

SPECIAL HANDLING SECTION

Direct Signature Required

SHIP DATE

3/31/21 ?

SIGNATURE SERVICES

Direct signature required ?

STANDARD TRANSIT

4/1/21 ?

ACTUAL DELIVERY

4/1/21 at 12:59 pm ?



TRACK ANOTHER SHIPMENT

773302875613

[ADD NICKNAME](#)

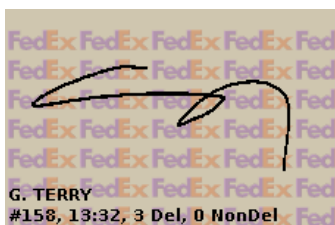


Delivered
Thursday, April 1, 2021 at 1:32 pm



DELIVERED

Signed for by: GTERRY



[GET STATUS UPDATES](#)

[OBTAIN PROOF OF DELIVERY](#)

Direct signature required

FROM

Longquist Field Service
Chris Weyand
1415 LOUISIANA ST
STE 3800
HOUSTON, TX US 77002
512-600-1764

TO

RSE PARTNERS LP
RSE PARTNERS LP
3141 HOOD ST
STE 700
Dallas, TX US 75219
512-600-1764

Travel History

TIME ZONE

Local Scan Time



Thursday, April 1, 2021

1:32 PM	Dallas, TX	Delivered
8:29 AM	HUTCHINS, TX	On FedEx vehicle for delivery
7:52 AM	HUTCHINS, TX	At local FedEx facility
5:07 AM	DALLAS, TX	Departed FedEx location
2:56 AM	DALLAS, TX	Arrived at FedEx location

Wednesday, March 31, 2021

9:17 PM	HOUSTON, TX	Left FedEx origin facility
8:07 PM	HOUSTON, TX	Arrived at FedEx location
4:30 PM	HOUSTON, TX	Picked up

Tuesday, March 30, 2021

9:45 PM	HOUSTON, TX	In FedEx possession Package received after final location pickup has occurred. Scheduled for pickup next business day.
10:02 AM		Shipment information sent to FedEx

Shipment Facts

TRACKING NUMBER

773302875613

SERVICE

FedEx Ground

REFERENCE

2376-LONDON,SPRINGMEYER

WEIGHT

2 lbs / 0.91 kgs

DELIVERY ATTEMPTS

2

TOTAL PIECES

1

TERMS

Shipper

PACKAGING

Package

SPECIAL HANDLING SECTION

Direct Signature Required

SHIP DATE

3/31/21 ?

SIGNATURE SERVICES

Direct signature required ?

STANDARD TRANSIT

4/1/21 ?

ACTUAL DELIVERY

4/1/21 at 1:32 pm ?