PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS
37 Verano Loop, Santa Fe, New Mexico 87508 (505) 466-8120

January 28, 2019

El Paso Natural Gas Co LLC
600 N Dairy Ashford Rd
Houston TX 88220

Solaris Water Midstrem, LLC is applying (see attached application) to drill its Ross Draw SWD 1 well as a saltwater disposal well (SWD). As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following proposed SWD. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Ross Draw SWD 1 TD = 16,550'
Proposed Disposal Zone: Devonian & Silurian from 15,508' to 16,550'
Where: 988' FNL & 1032' FWL Sec. 27, T. 26 S., R. 29 E., Eddy County, NM
Approximate Location: 15 air miles southeast of Malaga, NM
Applicant Name: Solaris Water Midstrem, LLC (432) 203-9020
Applicant's Address: 907 Tradewinds Blvd., Suite B, Midland, TX 79706

Submittal Information: Application for a saltwater disposal well will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. NMOCDp address is 1220 South St. Francis Dr., Santa Fe, NM 87505. Their phone number is (505) 476-3440.

This replaces a fall 2018 version at 1578' FSL & 1833' FEL Sec. 27, T. 26 S., R. 29 E. Well was moved 3632' northwest at the request of offset operators.

Please call me if you have any questions.

Sincerely,

B. Wood

Brian Wood

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 XXX Disposal _____ Storage
Application qualifies for administrative approval? XXX Yes _____ No

II. OPERATOR: SOLARIS WATER MIDSTREAM, LLC

ADDRESS: 907 TRADEWINDS BLVD., SUITE B, MIDLAND TX 79706

CONTACT PARTY: BRIAN WOOD (PERMITS WEST, INC.) PHONE: 505 466-8120

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 XXX 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:

Ross Draw SWD 1
30-015-45239
SWD; Devoian-Silurian

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).

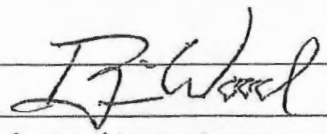
*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

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: BRIAN WOOD TITLE: CONSULTANT

SIGNATURE:  DATE: JAN. 28, 2019

E-MAIL ADDRESS: brian@permitswest.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.

FEB 01 2019 PM01:18

Revised March 23, 2017

RECEIVED:	REVIEWER:	TYPE:	APP NO:
02/01/2019		SWD	pMAM1903248173

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: Solaris Water Midstream, LLC **OGRID Number:** 371643
Well Name: Ross Draw SWD 1 **API:** 30-015-45239
Pool: SWD; Devonian-Silurian **Pool Code:** 97869

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

1) **TYPE OF APPLICATION:** Check those which apply for [A]
A. Location – Spacing Unit – Simultaneous Dedication
☐NSL ☐NSP(PROJECT AREA) ☐NSP(PRORATION UNIT) ☐SD

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

FOR OCD ONLY
☐ Notice Complete
☐ Application Content Complete

2) **NOTIFICATION REQUIRED TO:** Check those which apply.
A. ☒ Offset operators or lease holders
B. ☐ Royalty, overriding royalty owners, revenue owners
C. ☒ Application requires published notice
D. ☐ Notification and/or concurrent approval by SLO
E. ☒ Notification and/or concurrent approval by BLM
F. ☒ Surface owner
G. ☒ For all of the above, proof of notification or publication is attached, and/or,
H. ☐ No notice required

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.

Brian Wood
Print or Type Name

Signature

1-29-19
Date

505-466-8120
Phone Number

brian@permitswest.com
e-mail Address

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

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ADDRESS: 907 TRADEWINDS BLVD., SUITE B, MIDLAND TX 79706

CONTACT PARTY: BRIAN WOOD (PERMITS WEST, INC.) PHONE: 505 466-8120

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IV. Is this an expansion of an existing project? _____ Yes XXX No
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Ross Draw SWD 1
30-015-45239
SWD; Devoian-Silurian

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.).

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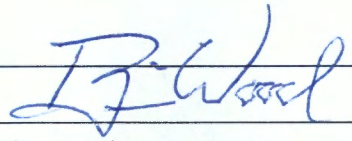
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SIGNATURE:  DATE: JAN. 28, 2019

E-MAIL ADDRESS: brian@permitswest.com

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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.

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Side 1

INJECTION WELL DATA SHEET

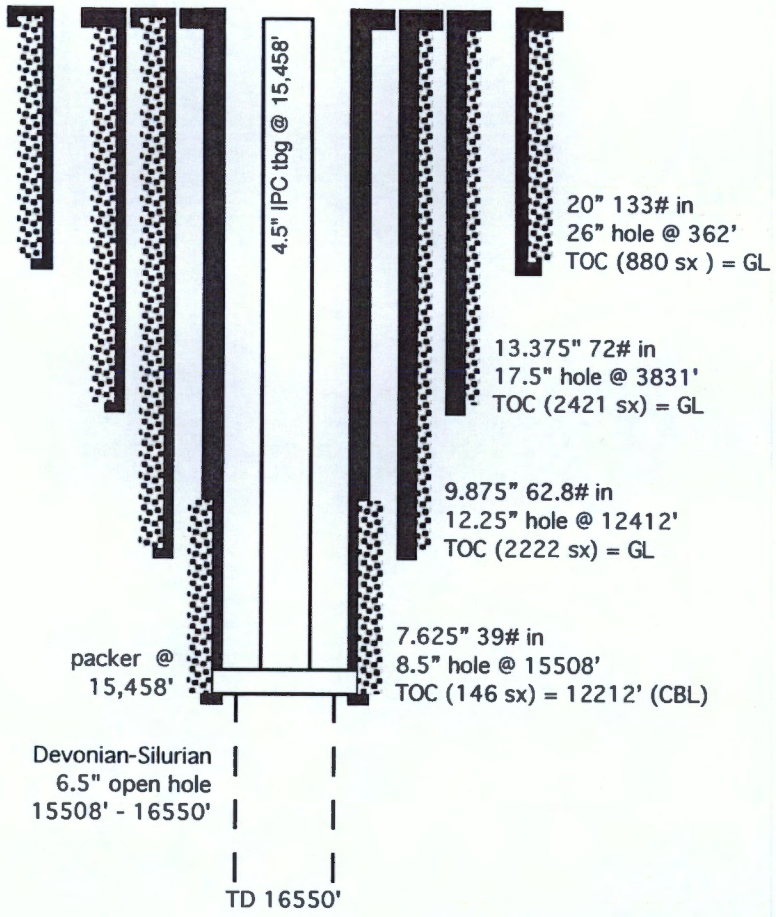
OPERATOR: SOLARIS WATER MIDSTREAM, LLC

WELL NAME & NUMBER: ROSS DRAW SWD 1

WELL LOCATION:	988 FSL & 1032 FWL	D	27	26 S	29 E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC

(not to scale)



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 26" Casing Size: 20"

Cemented with: 880 sx. *or* _____ ft³

Top of Cement: SURFACE Method Determined: CIRCULATE

Intermediate Casing

Hole Size: 17.5" 12.25" Casing Size: 13.375" @ 3831' 9.875" @ 12412'

Cemented with: 4643 sx. *or* _____ ft³

Top of Cement: SURFACE Method Determined: CIRCULATE

Production Casing

Hole Size: 8.5" Casing Size: 7.625"

Cemented with: 146 sx. *or* _____ ft³

Top of Cement: 12212' Method Determined: CBL

Total Depth: LINER @ 15508' & TD @ 16550'

Injection Interval

6.5" HOLE SIZE 15508 feet to 16,550'

~~(Perforated~~ or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 4.5" Lining Material: DUOLINE GLASSBORE

Type of Packer: NICKEL PLATED DOUBLE GRIP RETRIEVABLE

Packer Setting Depth: ≈15,458'

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

Additional Data

1. Is this a new well drilled for injection? XXX Yes _____ No

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

2. Name of the Injection Formation: DEVONIAN-SILURIAN

3. Name of Field or Pool (if applicable): SWD;DEVONIAN-SILURIAN (97869)

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. NOT IN OTHER ZONES

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

   OVER: DELAWARE (3781'), BONE SPRING (6661'), & WOLFCAMP (9854')

   UNDER: NONE

I. Goal is to drill a 16,550' deep commercial saltwater disposal well on fee surface. Proposed disposal interval will be 15,508' - 16,550' in the SWD; Devonian-Silurian (97869). See Exhibit A for C-102 and map. (This replaces a fall 2018 version at 1578 FSL & 1833 FEL. Well was moved 3632' northwest at the request of offset operators.)

II. Operator: Solaris Water Midstream, LLC [OGRID 371643]
Operator phone number: (432) 203-9020
Operator address: 907 Tradewinds Blvd., Suite B
Midland TX 79706
Contact for Application: Brian Wood (Permits West, Inc.)
Phone: (505) 466-8120

III. A. (1) Lease name: Ross Draw SWD (fee surface)
Well name and number: Ross Draw SWD 1
Location: 988' FNL & 1032' FWL Section 27, T. 26 S., R. 29 E.

A. (2) Surface casing (20", 133#, J-55, BTC) will be set at 362' in a 26" hole and cemented to GL with 880 sacks.

First intermediate casing (13.375", 72#, HCL-80, BTC) will be set at 3,831' in a 17.5" hole and cemented to GL with 2,421 sacks

Second intermediate casing (9.875", 62.8#, Q-125) will be set at 12,412' in a 12.25" hole and cemented to GL with 2,222 sacks.

Liner (7.625", 39#, P-110) will be set at 15,508' in an 8.5" hole and cemented to 12,212' (TOL) with 146 sacks.

A 6.5" open hole will be drilled to 16,550'.

A. (3) Tubing will be CLS 4.5" duoline 20 Glassbore® or its equivalent. Setting depth will be ≈15,458'. (Disposal interval will be 15,508' to 16,550'.)

A. (4) A nickel plated double grip retrievable packer will be set at ≈15,458' (or ≤100' above the top of the open hole which will be at 15,508').

B. (1) Disposal zone will be the Devonian and Silurian (SWD; Devonian-Silurian (97869) pool). Estimated fracture gradient is ≈0.65 psi/foot.

B. (2) Disposal interval will be open hole from 15,508' to 16,550'.

B. (3) Well has not been drilled. It will be drilled as a saltwater disposal well.

B. (4) No perforated intervals are in the well.

B. (5) Only zones currently producing in a 1-mile area of review and above the Devonian (15,508') are the Delaware (3781'), Bone Spring (6661'), and Wolfcamp (9854'). Delaware is both a producing zone and has been used for injection and disposal. No oil or gas zone is below the Silurian within 1 mile.

IV. This is not an expansion of an existing injection project. It is disposal only.

V. Exhibit B shows and tabulates the 48 wells (24 oil or gas + 22 P&A + 2 injection) within a mile radius. Deepest well within a mile is 11,035' TVD. Exhibit C shows all 157 existing wells (92 oil or gas wells + 57 P & A wells + 5 injection or disposal wells + 3 water wells) within a two-mile radius.

All leases within a 1-mile radius are BLM. All leases within a 2-mile radius are BLM, fee, or State. Exhibits D and E show all the leases within a 1-mile radius and lessors within a 2-mile radius.

VI. No Devonian penetrator is within a mile. Deepest (11,035' TVD) well (30-015-43586) within a mile bottomed in the Wolfcamp, >3000' above the Devonian.

VII. 1. Average injection rate will be ≈30,000 bwpd.
Maximum injection rate will be 40,000 bwpd.

2. System will be open and closed. Water will both be trucked and piped.

3. Average injection pressure will be ≈2,500 psi
Maximum injection pressure will be 3,101 psi (= 0.2 psi/foot x 15,508' (top of open hole)).

4. Disposal water will be produced water, mainly from Delaware, Bone Spring, and Wolfcamp wells. There are 81 approved Delaware, 40 approved Bone Spring wells, and 71 approved Wolfcamp wells in T. 26 S., R. 29 E. The well will take other Permian Basin waters. Abstracts of produced water analyses (from Go-Tech) from wells in T. 25 S., R. 28 - 30 E. are in Exhibit F. A Devonian well from further north in Eddy County is also in Exhibit F. The table below shows the ranges of the produced waters in relation to Devonian water.

Parameter mg/l	Devonian	Delaware	Avalon	Bone Spring	Morrow
Chloride	34,400	89,700 - 212,544	38,189 - 129,012	119,078 - 125,493	N/A
Sulfate	3,600	85 - 3,756	1,249 - 2,127	0 - 17	N/A
TDS	63,260	100,240 - 311,052	65,461 - 219,574	190,675 - 208,312	102,849

Solaris has not experienced any compatibility problems in the first 7 months of operating its Solaris Eddy State 2 (30-015-44001) Devonian SWD well. Over 2,737,900 barrels have been disposed to date. Nor have there been any problems with its Lobo 285 State SWD 1 (30-015-4397). Over 955,852 barrels have been disposed in the first 4 months in this Silurian - Ordovician SWD well.

5. Closest Devonian or Silurian producer is more than half dozen miles away. Closest Devonian or Silurian SWD (30-015-43630) is 2.09 miles northeast.

VIII. The Devonian and Silurian (estimated 1,042' thick) is mainly comprised of limestone/dolostone. Closest possible underground source of drinking water above the proposed disposal interval is the Quaternary at the surface. According to State Engineer records (Exhibit G), one water well is within a mile and three are within two miles, deepest of which is 200'. Of the three wells, one (C-03605) was P&A in 2013, one (C 01354) was canceled, and the third (C 02038) did not find any water bearing strata in 1982. No active water wells were found within a mile during a December 20-21, 2018 field inspection. No underground source of drinking water is below the proposed disposal interval.

Formation tops are:

Quaternary = 0'
Rustler anhydrite = 342'
Castile = 1165'
Lamar (base of salt) = 2861'
Bell Canyon = 2901'
Cherry Canyon = 3781'
Brushy Canyon = 5052'
Bone Spring limestone = 6661'
Wolfcamp = 9854'
Strawn = 12432'
Atoka = 12594'
Morrow = 13316'
Barnett = 14478'
Woodford shale = 15368'
Devonian = 15508'
disposal interval = 15508' - 16550'
Silurian = 16034'
TD = 16550'

Three water wells are within a 2-mile radius according to State Engineer records (Exhibit G), deepest of which is 200'. Neither they nor any other water

wells were found during a December 20-21, 2018 field inspection. There will be >15,000' of vertical separation and shale, salt, and anhydrite intervals between the bottom of the only likely underground water source (Quaternary) and the top of the Devonian.

IX. The well will be stimulated with acid.

X. A CBL will be run from production casing setting depth to TOC. GR log will be run from the second intermediate to TD.

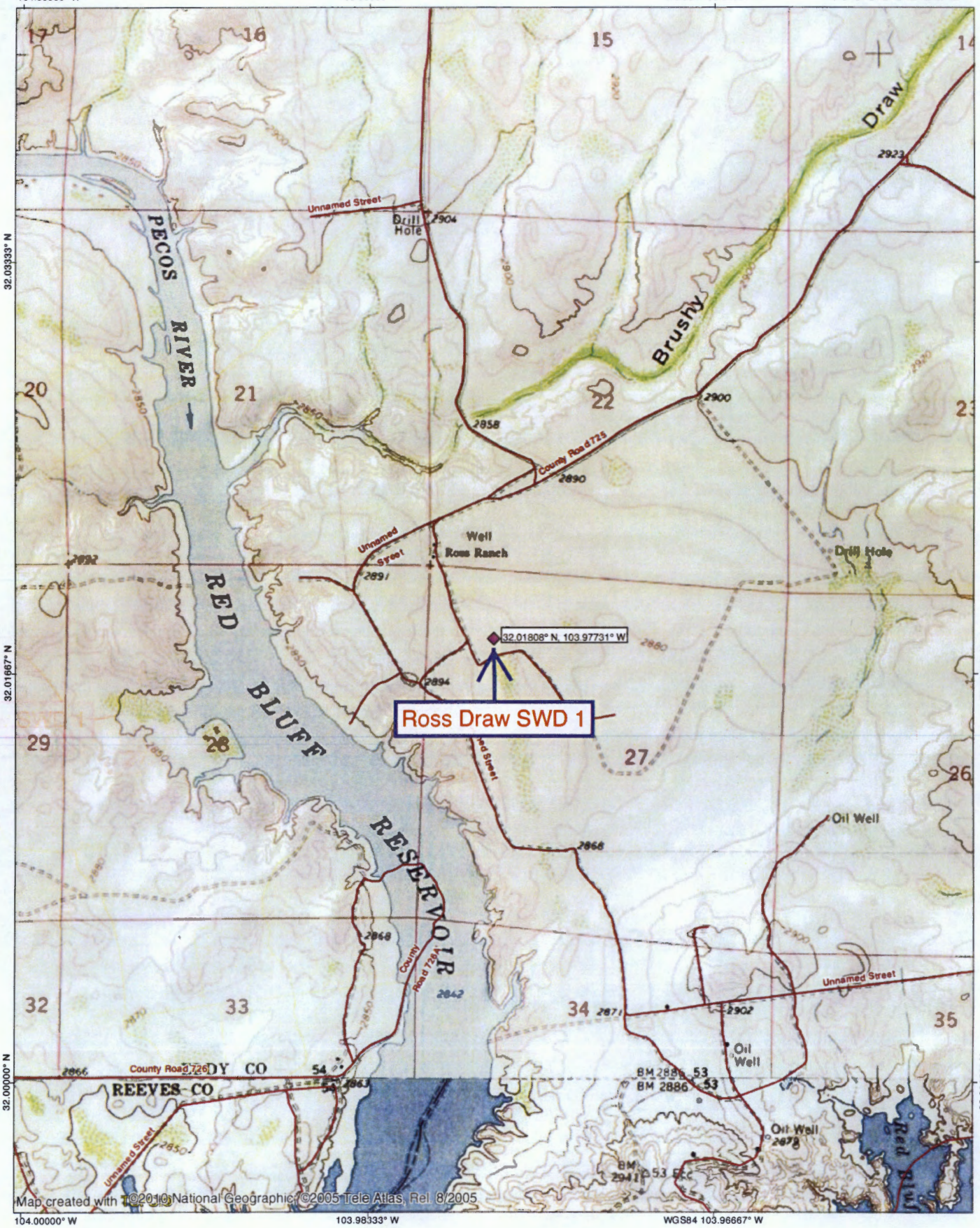
XI. No active water well was found within a mile during a December 20-21, 2018 field inspection.

XII. Solaris Water Midstream, LLC (Exhibit H) is not aware of any geologic or engineering data that may indicate the Devonian is in hydrologic connection with any underground sources of water. Deepest water well within a 2-mile radius is 200'. There are 253 approved Devonian SWD wells and 60 approved Silurian SWD wells in New Mexico. Closest Quaternary fault is ≈53 miles west-southwest.

XIII. A legal ad (see Exhibit I) was published on December 18, 2018. Notice (this application) has been sent (Exhibit J) to the surface owner (George Ross Ranch LLC), BLM, and all well operators (COG, Mewbourne, Proven, RKI, Robert Forrest Jr. Oil, Stephens & Johnson) regardless of depth, lessees of record (COG, El Paso, EOG, EOG Y, K P Kauffman, Occidental Permian, Read & Stevens, Red Bluff, RKI, XTO), and operating right holders within a mile.

TOPO! map printed on 12/14/18 from "Untitled.tpo"

EXHIBIT A



NATIONAL GEOGRAPHIC

0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 miles
0.0 0.5 1.0 km

TN MN
7°
12/14/18

EXHIBIT A

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

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

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

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-015-45239	97869	SWD; DEVONIAN - SILURIAN

Property Code	Property Name	Well Number
322438	ROSS DRAW SWD	#1

OGRID No.	Operator Name	Elevation
371643	SOLARIS WATER MIDSTREAM, LLC	2875'

Surface Location

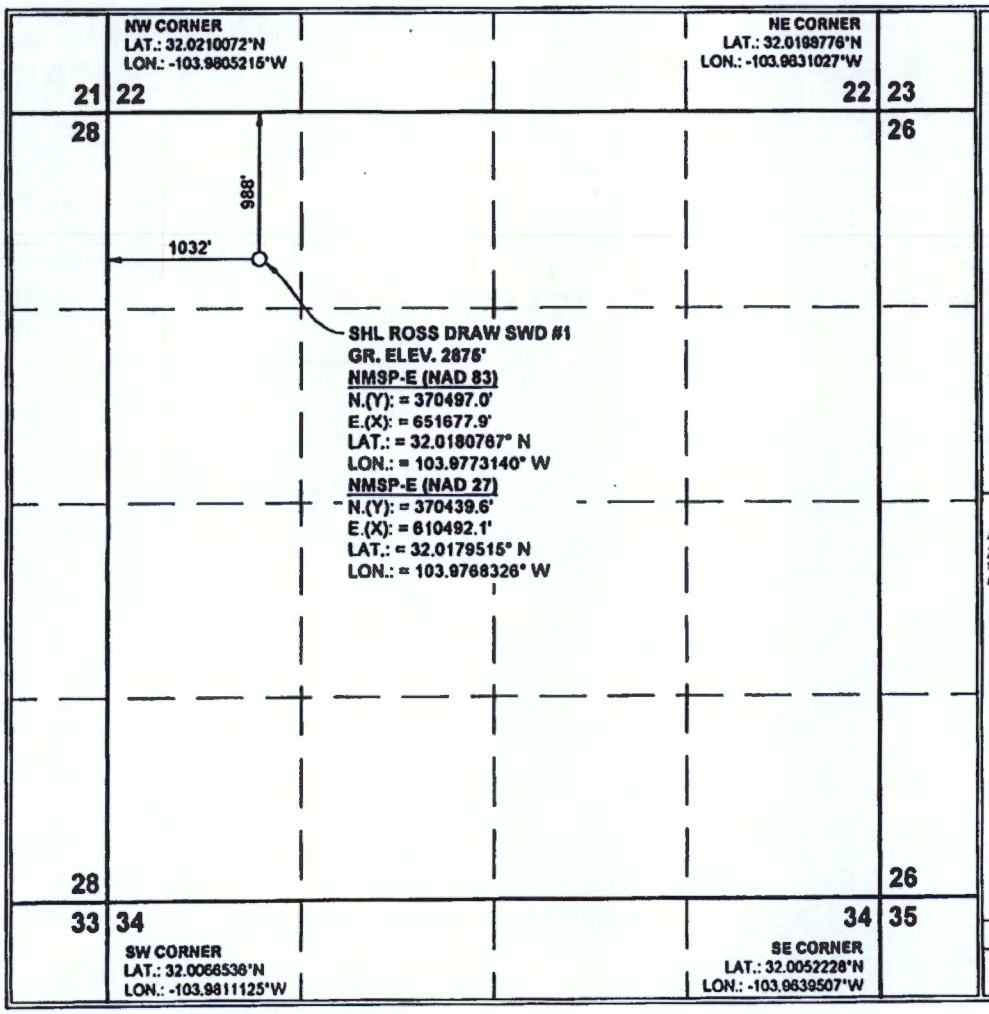
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	27	26S	29E		988'	NORTH	1032'	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
-	-	-	-		-	-	-	-	-

Dedicated Acres	Joint or Infill	Consolidated Code	Order No.
5.05			

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



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Bonnie Atwater 12/6/18
Signature Date

Bonnie Atwater
Print Name

bonnie.atwater@solarismidstream.com
E-mail Address

SURVEYORS CERTIFICATION

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

November 19, 2018
Date of Survey

Signature and Seal of Professional Surveyor:

JAMES E. TOMPKINS
NEW MEXICO
14729
REGISTERED PROFESSIONAL LAND SURVEYOR

James E Tompkins

Job No.: WTC52876 Draft: M.P.

JAMES E. TOMPKINS 14729
Certificate Number

PLAT: C:\USERS\FHERNANDEZ\DESKTOP\FH\TEMPLATE\NM WELL TEMP LAYOUT TAB: MAPS

RUP 12-6-18


EXHIBIT B
1 mile radius
Ross Draw SWD 1
SWD
PECOS RIVER
BLUFF
RESERVOIR
Brushy
Red Bluff
REEVES CO
LOVING CO
21
22
23
26
27
33
34
35
HRZ
BHL
INJ
Oil Well
Drill Hole
Ross Ranch Well
(C) Copyright 2016, Trimble Navigat
LEGEND
New
Active
HRZ
BHL
P&A
INJ
SWD
Water
N
Quad: ROSS RANCH
Scale: 1 inch = 2,000 ft.

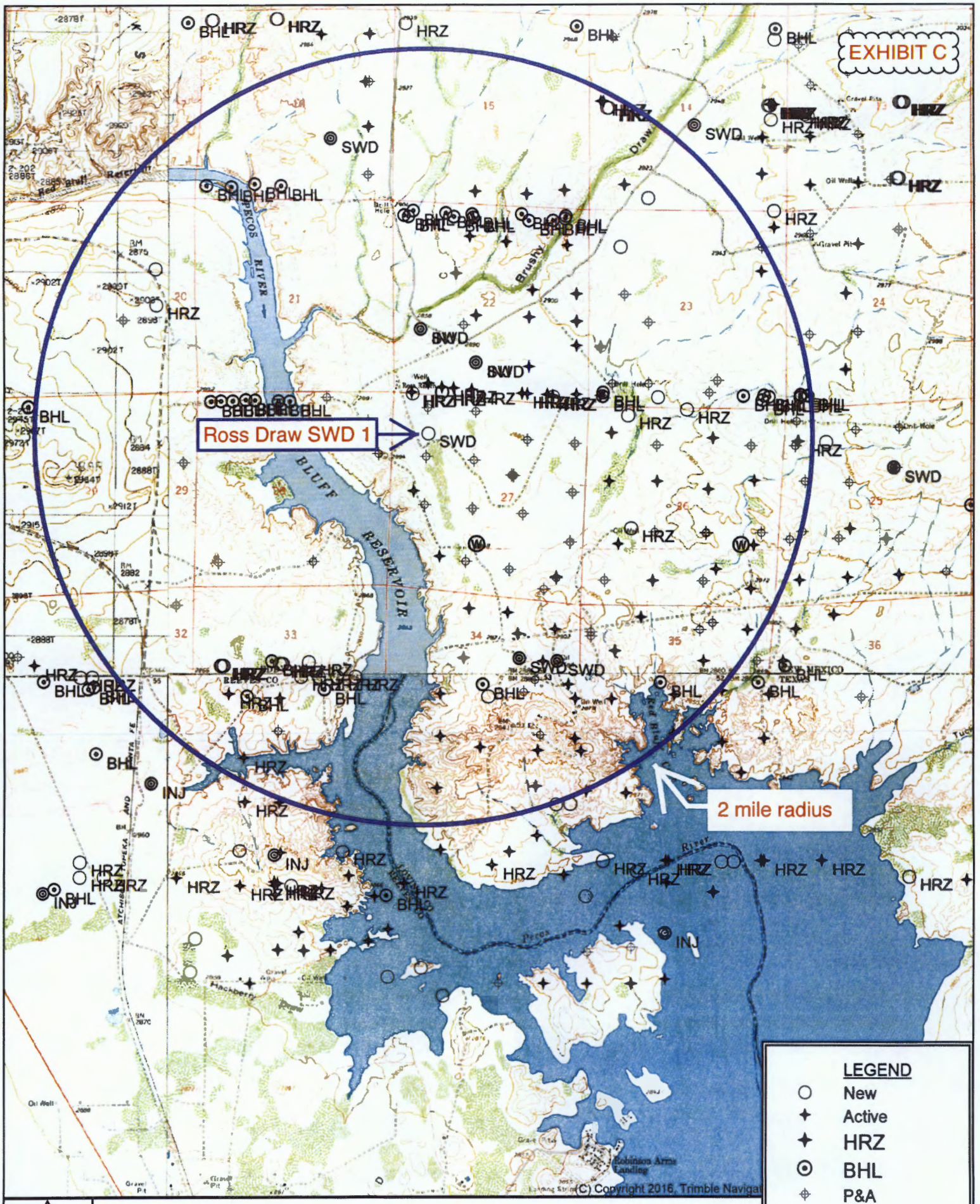
SORTED BY DISTANCE FROM ROSS DRAW SWD 1

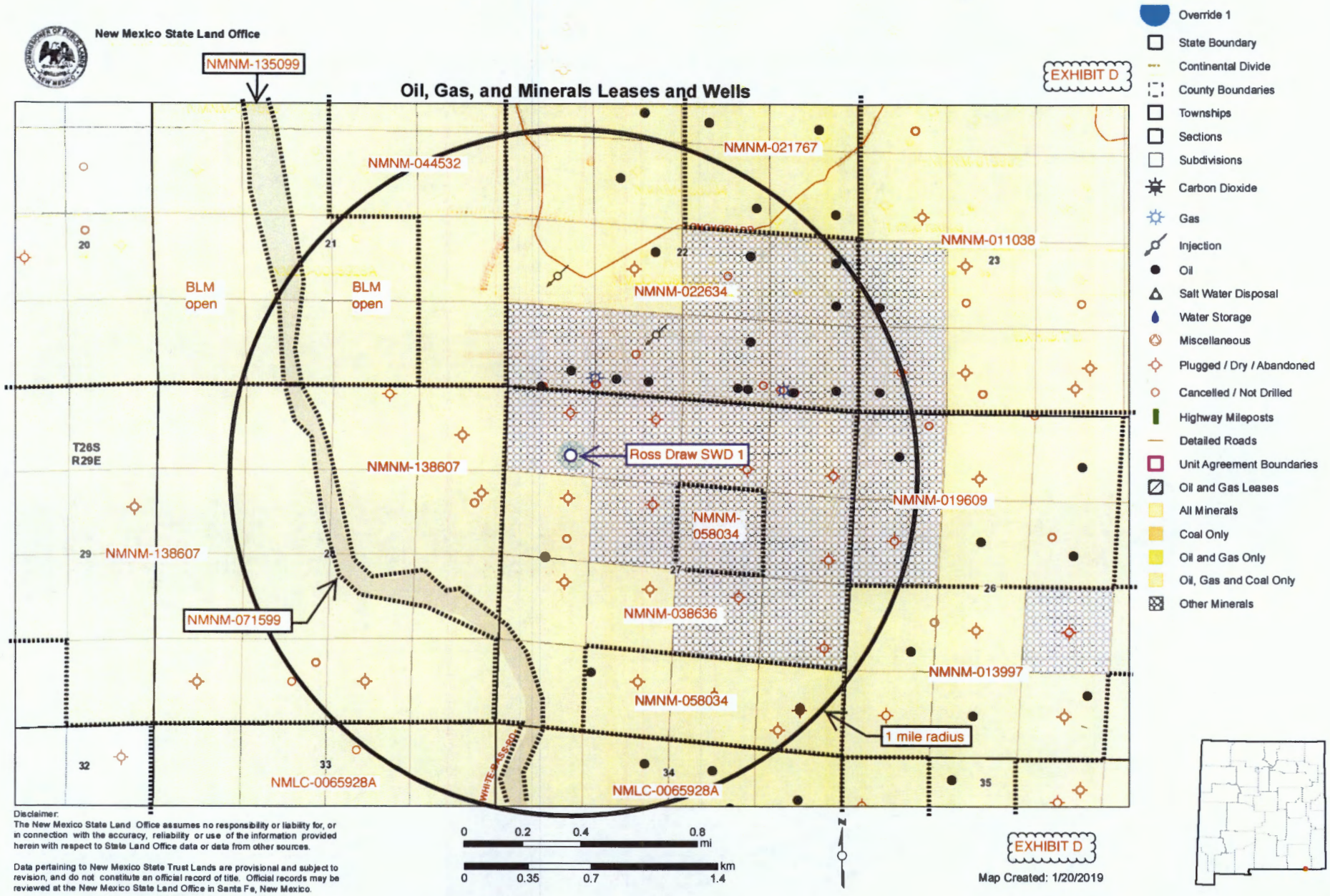
API	WELL	STATUS	WHERE	CURRENT OR MOST RECENT OPERATOR	TVD	CURRENT OR MOST RECENT ZONE	FEET FROM ROSS DRAW SWD 1
30-015-25666	AMOCO FED'L #011	P&A	D-27-26S-29E	CIMAREX	6200	DELAWARE	661
30-015-25720	AMOCO FED'L #010	P&A	E-27-26S-29E	CIMAREX	5073	DELAWARE	662
30-015-42285	EAST PECOS FED'L 22 #003H	Oil	M-22-26S-29E	RKI	8570	BONE SPRING	1173
30-015-43349	EAST PECOS FED'L 22 #009H	Gas	M-22-26S-29E	RKI	10940	WOLFCAMP	1266
30-015-25588	MOBIL 22 FED'L #009	Oil	M-22-26S-29E	STEPHENS & JOHNSON	6128	DELAWARE	1320
30-015-40568	EAST PECOS FED'L COM 22 #001H	Oil	N-22-26S-29E	RKI	7016	BONE SPRING	1373
30-015-25114	AMOCO FED'L #007	P&A	C-27-26S-29E	CIMAREX	5130	DELAWARE	1413
30-015-25223	AMOCO FED'L #008	P&A	F-27-26S-29E	CIMAREX	5200	DELAWARE	1463
30-015-29371	MALLON PECOS RIVER 28 FED'L #001	P&A	H-28-26S-29E	CIMAREX	6432	DELAWARE	1499
30-015-26892	SKINK FED'L 27 #001	Oil	E-27-26S-29E	R H FORREST JR OIL LLC	5034	DELAWARE	1637
30-015-42270	EAST PECOS FED'L 22 #005H	Oil	N-22-26S-29E	RKI	8620	BONE SPRING	1650
30-015-25810	AMOCO FED'L #013	P&A	A-28-26S-29E	CIMAREX	5100	DELAWARE	1711
30-015-25786	AMOCO RED BLUFF FED'L #001	P&A	L-27-26S-29E	CIMAREX	6175	DELAWARE	1972
30-015-25321	MOBIL 22 FED'L #005	WIW	N-22-26S-29E	STEPHENS & JOHNSON	6167	DELAWARE	2287
30-015-25442	AMOCO FED'L #009	P&A	K-27-26S-29E	CIMAREX	5100	DELAWARE	2402
30-015-25376	PECOS FED'L #002	P&A	G-27-26S-29E	QUANTUM	5509	DELAWARE	2561
30-015-21014	RED BLUFF FED'L #001	P&A	G-27-26S-29E	HANSON	2982	DELAWARE	2607
30-015-24923	AMOCO FED'L #006	P&A	B-27-26S-29E	CIMAREX	5070	DELAWARE	2714
30-015-42281	EAST PECOS FED'L COM 22 #006H	Oil	O-22-26S-29E	RKI	8676	BONE SPRING	2769
30-015-25936	MOBIL 22 FED'L #010	WIW	L-22-26S-29E	STEPHENS & JOHNSON	6192	DELAWARE	2790
30-015-40582	EAST PECOS FED'L COM 22 #002H	Oil	O-22-26S-29E	RKI	7375	BONE SPRING	2903
30-015-26244	AMOCO RED BLUFF FED'L #003	P&A	B-28-26S-29E	CIMAREX	5100	DELAWARE	2961
30-015-03738	ASHLAND #001	P&A	K-22-26S-29E	BENNETT	3060	DELAWARE	3052
30-015-25165	MOBIL 22 FED'L #003	Oil	O-22-26S-29E	STEPHENS & JOHNSON	6170	DELAWARE	3273
30-015-26800	COYOTE FED'L 27 #001	Oil	M-27-26S-29E	R H FORREST JR OIL LLC	5087	DELAWARE	3372
30-015-24535	AMOCO FED'L #003	P&A	J-27-26S-29E	CIMAREX	5075	DELAWARE	3393
30-015-25333	MOBIL 22 FED'L #006	Oil	K-22-26S-29E	STEPHENS & JOHNSON	6213	DELAWARE	3406
30-015-43586	EAST PECOS FED'L COM 22 #014H	Gas	P-22-26S-29E	RKI	11035	WOLFCAMP	3423

EXHIBIT B

SORTED BY DISTANCE FROM ROSS DRAW SWD 1

30-015-42287	EAST PECOS FED'L COM 22 #007H	Oil	P-22-26S-29E	RKI	8588	BONE SPRING	3551
30-015-25436	PECOS FED'L #004	P&A	N-27-26S-29E	RKI	5400	DELAWARE	3652
30-015-24826	AMOCO FED'L #005	P&A	A-27-26S-29E	CIMAREX	5125	DELAWARE	4035
30-015-25166	MOBIL 22 FED'L #004	Oil	J-22-26S-29E	STEPHENS & JOHNSON	6179	DELAWARE	4138
30-015-24955	MOBIL 22 FED'L #001	Oil	P-22-26S-29E	STEPHENS & JOHNSON	6081	DELAWARE	4194
30-015-24545	AMOCO FED'L #004	P&A	H-27-26S-29E	CIMAREX	5052	DELAWARE	4280
30-015-25435	PECOS FED'L #003	P&A	O-27-26S-29E	QUANTUM	5505	DELAWARE	4327
30-015-25687	MOBIL 22 FED'L #007	Oil	F-22-26S-29E	STEPHENS & JOHNSON	5505	DELAWARE	4358
30-015-30987	MOBIL 22 FED'L #011	Oil	I-22-26S-29E	STEPHENS & JOHNSON	5180	DELAWARE	4690
30-015-25858	AMOCO FED'L #014	P&A	O-28-26S-29E	CIMAREX	6130	DELAWARE	4731
30-015-25188	WORTH FED'L #003	Oil	G-22-26S-29E	STEPHENS & JOHNSON	5110	DELAWARE	4777
30-015-24799	GULF FED'L #001	Oil	M-23-26S-29E	STEPHENS & JOHNSON	5125	DELAWARE	4831
30-015-24466	AMOCO FED'L #001	P&A	I-27-26S-29E	CIMAREX	6150	DELAWARE	4902
30-015-25622	LITTLEFIELD BO FED'L #004	Oil	7-34-26S-29E	PROVEN	5216	DELAWARE	4909
30-015-25069	HOLLY A FED'L #004	Oil	D-26-26S-29E	RKI	5170	DELAWARE	5028
30-015-25105	MOBIL 22 FED'L #002	Oil	I-22-26S-29E	STEPHENS & JOHNSON	6048	DELAWARE	5050
30-015-24971	HOLLY A FED'L #003	P&A	E-26-26S-29E	RKI	5452	DELAWARE	5138
30-015-03739	FED'L BOOTHE E #001	P&A	M-23-26S-29E	GULF	3052	DELAWARE	5225
30-015-25186	BOOTH BP FED'L #003	Oil	L-23-26S-29E	R H FORREST JR OIL LLC	6242	DELAWARE	5260
30-015-24875	PECOS FED'L #001Y	Oil	P-27-26S-29E	RKI	6000	DELAWARE	5267
30-015-03746	FED'L ELLIOTT #002	P&A	P-27-26S-29E	CHAPMAN	2945	DELAWARE	5302


EXHIBIT C
Ross Draw SWD 1
2 mile radius
PECOS RIVER
BLUFF RESERVOIR
Brushy
Red Bluff
LEGEND
New
Active
HRZ
BHL
P&A
INJ
SWD
Water
N
Quad: JAL
Scale: 1 inch = 3,333 ft.
(C) Copyright 2016, Trimble Navigat



Disclaimer:
The New Mexico State Land Office assumes no responsibility or liability for, or in connection with the accuracy, reliability or use of the information provided herein with respect to State Land Office data or data from other sources.

Data pertaining to New Mexico State Trust Lands are provisional and subject to revision, and do not constitute an official record of title. Official records may be reviewed at the New Mexico State Land Office in Santa Fe, New Mexico.

ROSS DRAW SWD 1 AREA OF REVIEW LEASES
(all leases are BLM)

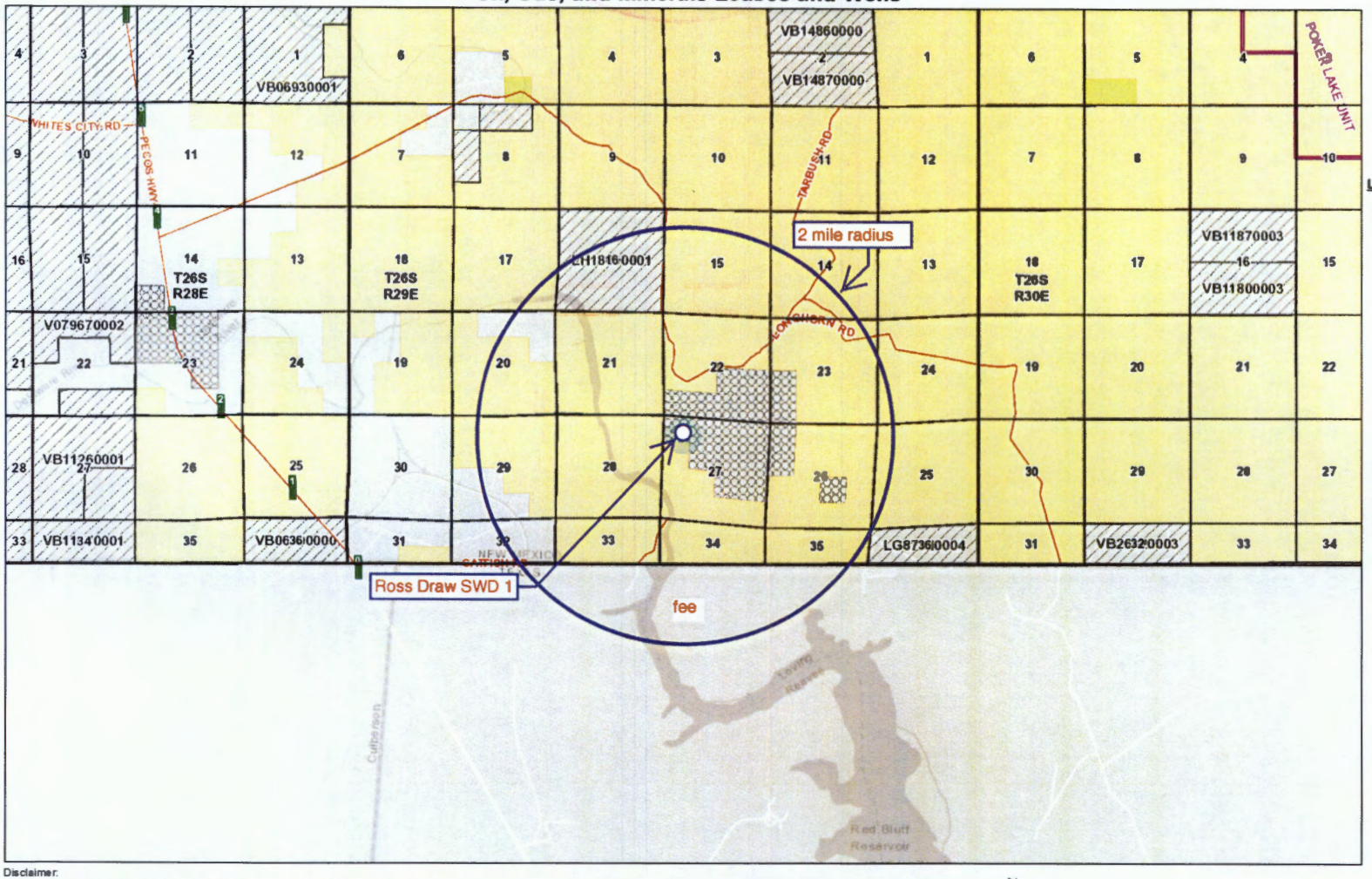
Aliquot Parts in Area of Review (T26S, R29E)	Lease	Lessee(s) of Record	Operators (all shallower than Devonian)
S2NE4 & E2SE4 Sec. 21	NMNM-044532	EOG Y	none
W2SE4, E2SW4, & SWSW Sec. 21	BLM - not currently leased	N/A	none
Parcel 4 Sec. 21	NMNM-135099	Red Bluff Water Power	none
NW4 & S2 Sec. 22	NMNM-022634	XTO	RKI and Stephens & Johnson
S2NE4 Sec. 22	NMNM-021767	RKI	Stephens & Johnson
W2SW4 Sec. 23	NMNM-011038	K P Kauffman	Robt. Forrest Oil, Mewbourne, and Stephens & Johnson
W2NW4 Sec. 26	NMNM-019609	EOG and Read & Stevens	RKI
W2SW4 Sec. 26	NMNM-013997	RKI and El Paso Nat. Gas	RKI
N2N2, S2NW4, SENE, N2S2, & SWSW Sec. 27	NMNM-038636	Occidental Permian	Robt. Forrest Oil
SWNE Sec. 27	NMNM-058034	RKI	none
Parcel 2 Sec. 27	NMNM-071599	Red Bluff Water Power	none
SESW & S2SE4 Sec. 27	NMNM-058034	RKI	RKI
E2, NW4, N2SW4, & SESW Sec. 28	NMNM-138607	COG	COG
Parcel 3 Sec. 28	NMNM-071599	Red Bluff Water Power	COG
Lots 5 & 6 Sec. 33	NMLC-0065928A	COG	Proven
Parcel 1 Sec. 33	NMNM-071599	Red Bluff Water Power	Proven
Parcel 1 Sec. 34	NMNM-071599	Red Bluff Water Power	Proven
Lots 5-8 Sec. 34	NMLC-0065928A	COG	Proven

EXHIBIT D

New Mexico State Land Office

Oil, Gas, and Minerals Leases and Wells

EXHIBIT E



Legend

- Override 1
- State Boundary
- Continental Divide
- County Boundaries
- Townships
- Sections
- Highway Mileposts
- Detailed Roads
- Unit Agreement Boundaries
- Oil and Gas Leases
- All Minerals
- Coal Only
- Oil and Gas Only
- Oil, Gas and Coal Only
- Other Minerals

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0 0.75 1.5 3 mi

0 1.25 2.5 5 km

N

EXHIBIT E

Map Created: 1/20/2019



PRODUCED WATER ANANLYSES (mg/l) FROM T. 25 S., R. 28 - 30E.

API	Section	Township	Range	Formation	TDS	Sodium	Chloride	Carbonate	Sulfate
3001537626	16	25S	29E	Avalon Upper	129595	49316	76682	366	1747
3001537625	16	25S	29E	Avalon Upper	208454	79520	121800	3208	1994
3001537626	16	25S	29E	Avalon Upper	219574	84179	129012	3179	1497
3001537627	16	25S	29E	Avalon Upper	201311	77136	117265	3343	2127
3001537628	16	25S	29E	Avalon Upper	190431	71871	111478	3225	1389
3001537875	16	25S	29E	Avalon Upper	187759	71166	109624	3212	1623
3001538272	8	25S	29E	Avalon Upper	65466	24094	38189	183	1589
3001537877	16	25S	29E	Avalon Upper	200382	76518	118991	1464	1277
3001537878	16	25S	29E	Avalon Upper	207678	79392	123161	1708	1342
3001538242	8	25S	29E	Avalon Upper	190364	72196	113348	708	1578
3001538272	8	25S	29E	Avalon Upper	150472	55164	89777	610	1249
3001537876	16	25S	29E	Avalon Upper	193732	74028	113441	1830	2665
3001529367	1	25S	28E	Delaware	301207	109024	221998	74	85
3001530754	1	25S	28E	Delaware	289700	104602	212544	50	508
3001541311	4	25S	28E	Bone Spring 2nd Sand	190675	57102	119078	93	17
3001502520	28	25S	28E	Morrow	102849				

EXHIBIT F

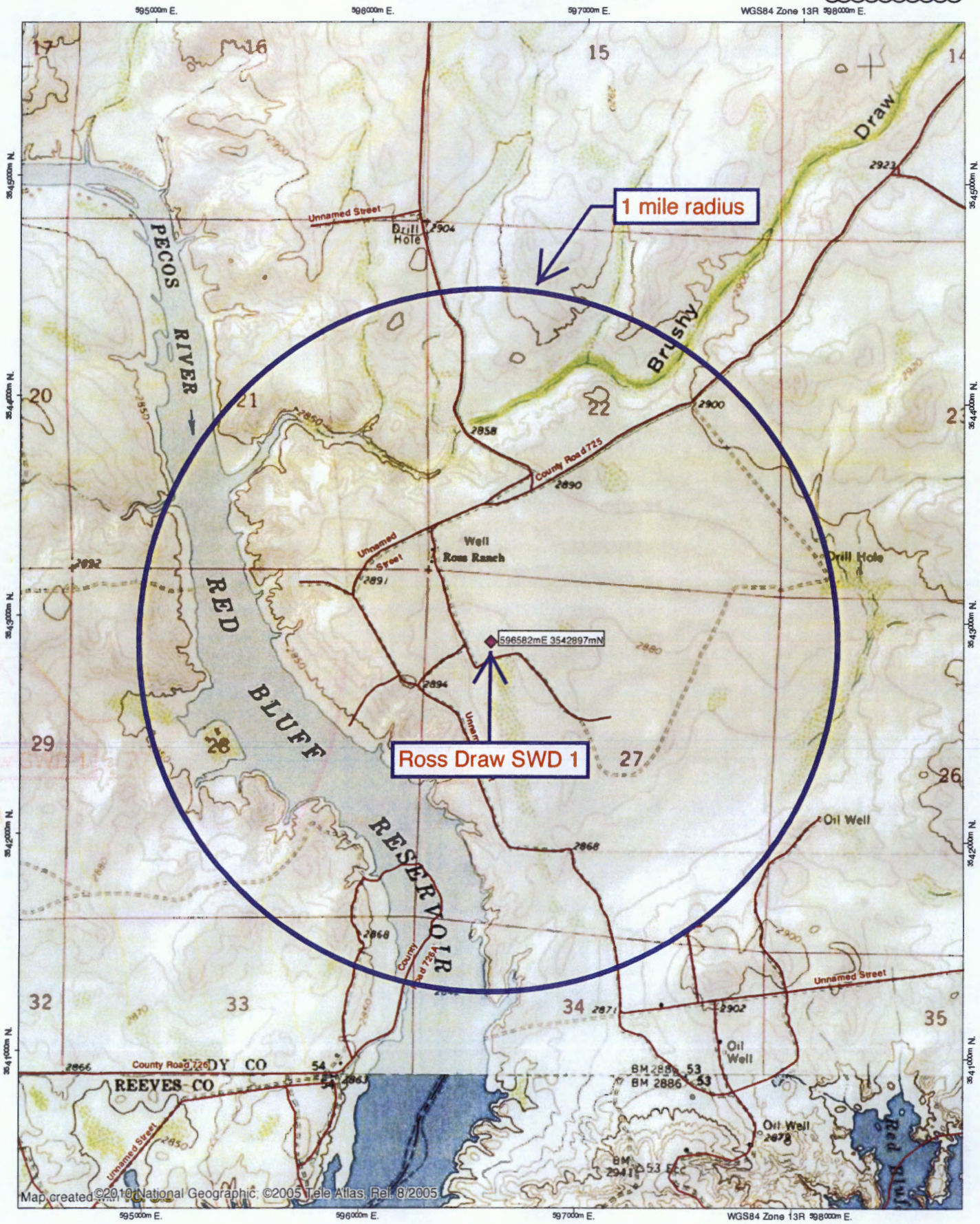
PRODUCED WATER ANANLYSES (mg/l) FROM T. 25 S., R. 28 - 30E.

3001541239	4	25S	28E	Bone Spring 2nd Sand	208312	67903	123723	61	2
3001541241	4	25S	28E	Bone Spring 2nd Sand	204577	63037	125493	49	0
3001530754	1	25S	28E	Delaware	170840	61640	116903	111	1668
3001510172	20	25S	30E	Delaware	157068		97030	68	510
3001504752	17	25S	30E	Delaware	146809		89710	24	346
3001504738	4	25S	30E	Delaware	146106		89810	40	403
3001504738	4	25S	30E	Delaware	180137		110500	232	1199
3001504753	17	25S	30E	Delaware	146130		89700	24	346
3001524071	30	25S	30E	Delaware	100240	51658	93000	640	3756
3001524071	30	25S	30E	Delaware	103300	53495	97000	100	
3001510048	20	25S	30E	Delaware	311052		186800	86	2820
3001510048	20	25S	30E	Delaware	170607		104300	81	1003
3001510048	20	25S	30E	Delaware	193989		119700	82	1446
3001510181	8	25S	30E	Delaware	155173		92820	122	133
3001510181	8	25S	30E	Delaware	150830				
3001503979	33	16S	30E	Devonian	63260		34400		3600

EXHIBIT F

EXHIBIT G

TOPO! map printed on 12/14/18 from "Untitled.tpo"



NATIONAL GEOGRAPHIC

0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 miles
0.0 0.5 1.0 km

TN MN
7°
12/14/18

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

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

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

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

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 03605 POD1		CUB	ED	4	2	3	27	26S	29E	596990	3541983	1000	45	0	45
C 01354 X-3		CUB	ED	2	1	3	23	26S	29E	598323	3543837	1979	170		
C 02038		C	ED	3	2	4	26	26S	29E	599204	3541992*	2773	200		

Average Depth to Water: **0 feet**

Minimum Depth: **0 feet**

Maximum Depth: **0 feet**

Record Count: 3

UTMNAD83 Radius Search (in meters):

Easting (X): 596582 **Northing (Y):** 3542897 **Radius:** 3220

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

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

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS
37 Verano Loop, Santa Fe, New Mexico 87508 (505) 466-8120

EXHIBIT H

Geologic Assessment

Solaris Water Midstream, LLC

Ross Draw SWD No. 1

Section 27, Township 26 South, Range 29 East

Eddy County, New Mexico

Cory Walk

Cory Walk

B.S., M.S.

Geologist

Permits West Inc.

December 11, 2018

EXHIBIT H

General Information

Ross Draw SWD #1 well is located in the NW 1/4, section 27, T26S, R29E, about 30 miles southeast of Carlsbad, NM in the Permian Basin. Solaris Water Midstream, LLC proposes the injection zone to be within the Silurian-Devonian formation through an open hole from 15,508'-16,550' below ground surface. This report assesses any potential concerns relating to induced seismicity along deep penetrating Precambrian faults or the connection between the injection zone and known underground potable water sources.

Groundwater Sources

Quaternary Alluvium acts as the principal aquifer used for potable ground water near the Ross Draw SWD #1 location (Hendrickson and Jones, 1952). Nicholson and Clebsch (1961) state, "Potable ground water is not available below the Permian and Triassic unconformity but, because this boundary is not easily defined, the top of the Rustler anhydrite formation is regarded as the effective lower limit of 'potable' ground water." Around the Ross Draw SWD #1 well, the top of a thick anhydrite unit interpreted to represent the Rustler Formation lies at a depth of ~340 feet bgs.

Faults and Fractures

The Geologic Map of New Mexico (2003) shows the nearest surface fault to the SWD location is found 24 miles to the southwest (Figure 1). This fault is part of a large accumulation of northwest trending Basin and Range style normal faults. This fault zone is interpreted to be a southeastern extension of the Rio Grande Rift zone (Muehlberger et al., 1978) and is the only area in the region in which deeply penetrating faults also penetrate the shallow aquifer systems.

A structure contour map (Fig. 2) of the Precambrian basement shows the Ross Draw SWD #1 well is 3 miles from a basement-penetrating fault inferred by Ewing et al (1990). Montgomery (1997) shows that these faults do not penetrate anything above the Delaware Mountain group and therefore cannot act as a conduit for transferring deeply injected fluids to the shallow aquifer systems used for domestic, municipal or livestock purposes (Figure 3).

Induced seismicity is a growing concern of deep SWD wells. Relatively new software developed by the Stanford Center for Induced and Triggered Seismicity allows for the probabilistic screening of deeply penetrating faults near the proposed injection zone (Walsh et al., 2016; Walsh et al., 2017). This software uses parameters such as stress orientations, fault strike/dip, injection rates, fault friction coefficients, etc. to estimate the potential for fault slip. Using the best available data as input parameters (Table 1), the Fault Slip Potential models suggest a zero (0) percent chance of slip on all nearby faults, recorded or inferred by Frenzel et al (1988) and Ewing et al. (1990), through the year 2040.

Stratigraphy

The nearest well log that records data at depths >16,000' comes from Fuller 14 Federal SWD #1 (API# 30-015-43630). This well lies ~2.3 miles NNE of the proposed Ross Draw SWD #1 location. Assuming similar stratigraphy between the two locations, this well log shows the proposed injection zone is characterized by a porous, primarily limestone/dolostone section, approximately 1000 feet thick (Figure 4). Thick permeability barriers exist above (Woodford shale; 145 ft thick) and below (Simpson Group;

EXHIBIT H

415 ft thick) the targeted Devonian-Silurian injection zone (Plate 2, Comer et al., 1991; Fig. 8, Frenzel et al., 1988). Well data indicates ~15,000 ft of rock separating the top of the Devonian from the previously stated lower limit of potable water at the top of the Rustler anhydrite formation.

Concluding Statement

Geologic data evaluated around the Ross Draw SWD #1 well show no potential structural or stratigraphic connection between the Silurian-Devonian Formation injection zone and any subsurface potable water sources. Based on Fault Slip Potential modeling there is a 0% probability (0.00) of inducing seismic activity along a nearby deeply penetrating Precambrian fault.

EXHIBIT H

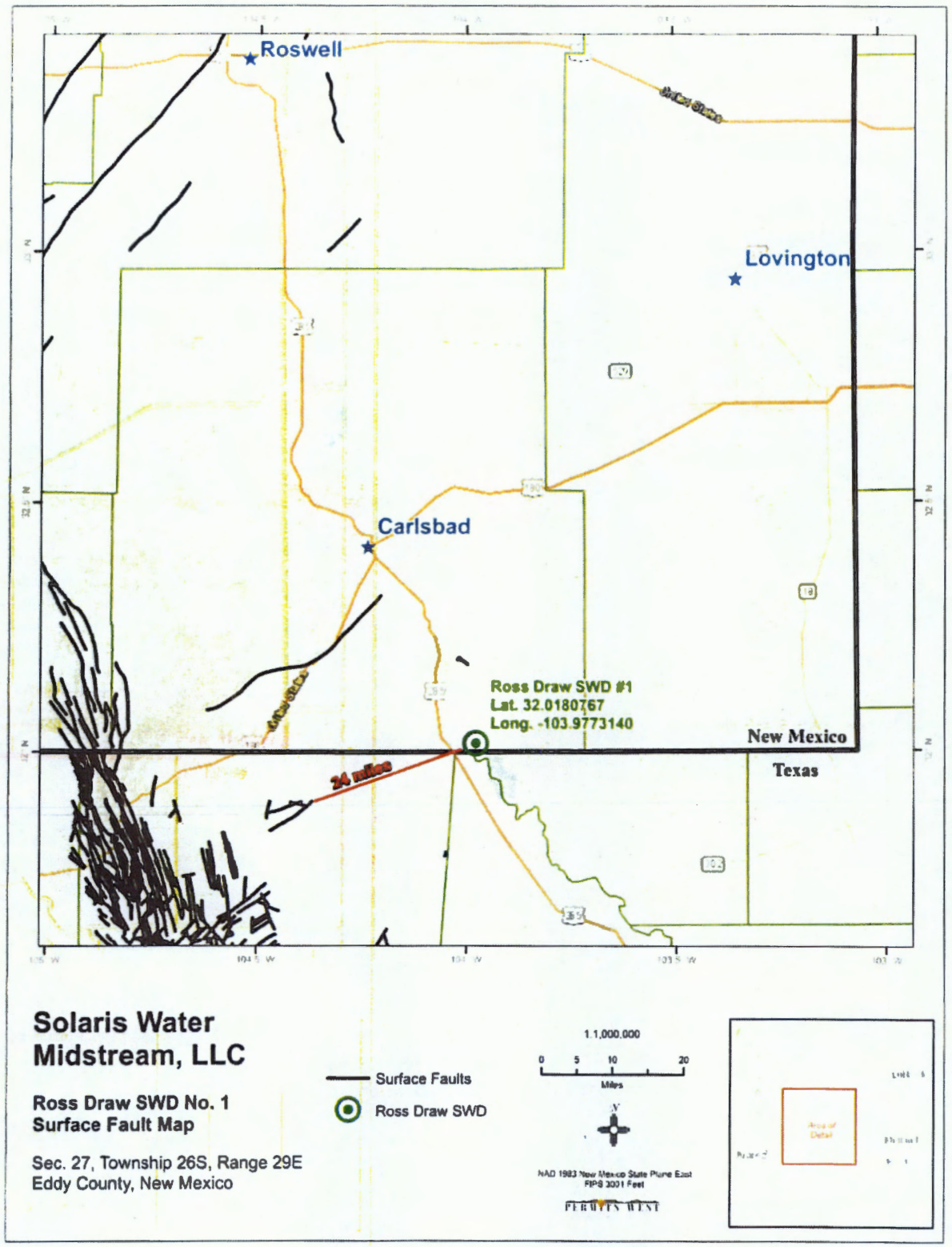


Figure 1. Shaded relief of the northwestern Permian Basin. Thick black lines represent locations of fault traces and show that the nearest faults to the proposed Ross Draw SWD #1 well lie 24 miles away.

EXHIBIT H

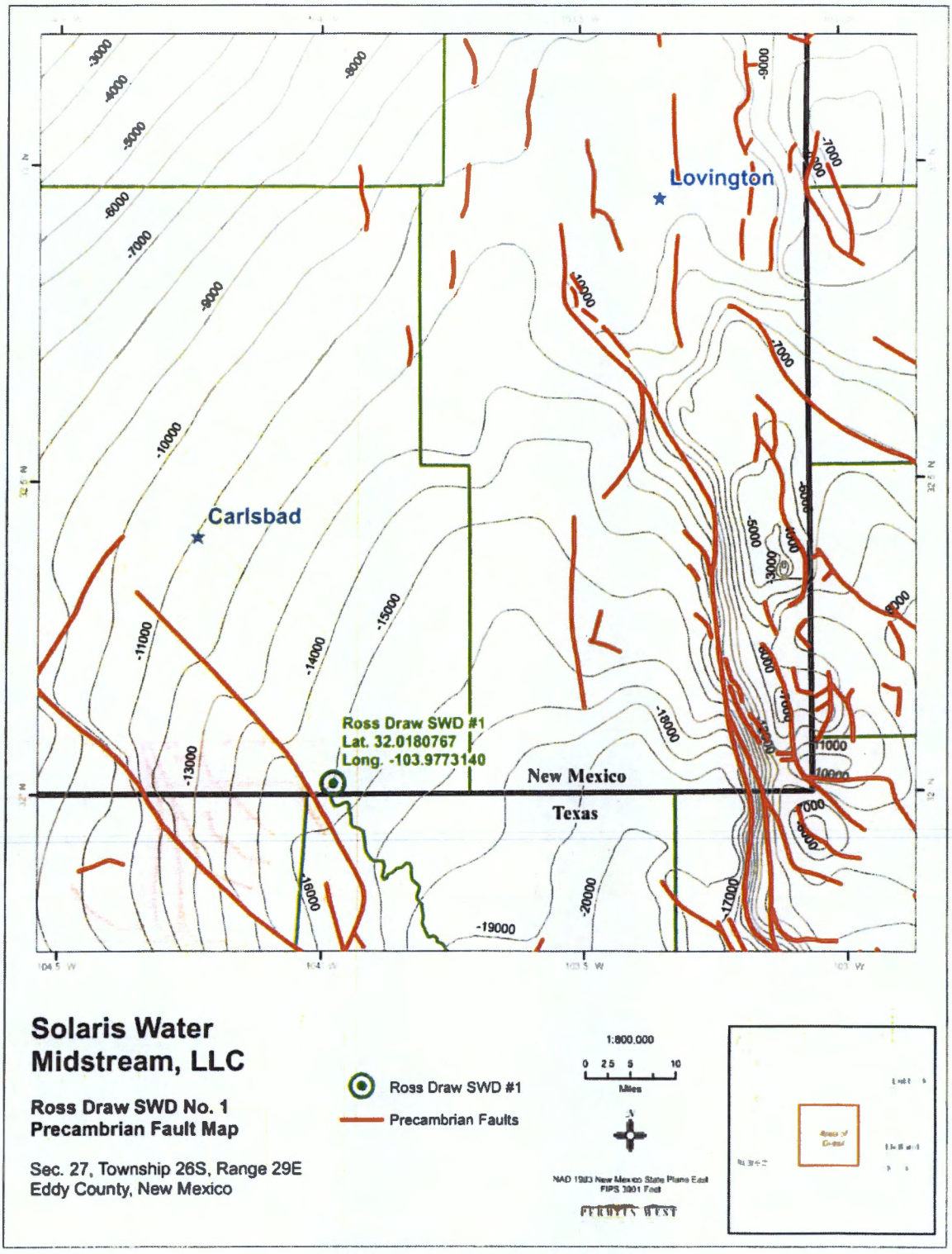


Figure 2. Structural contour map of the Precambrian basement in feet below sea level. Red lines represent the locations of Precambrian basement-penetrating faults (Ewing et al., 1990). The Ross Draw SWD #1 well lies ~3 miles NE of the closest deeply penetrating fault.

EXHIBIT H

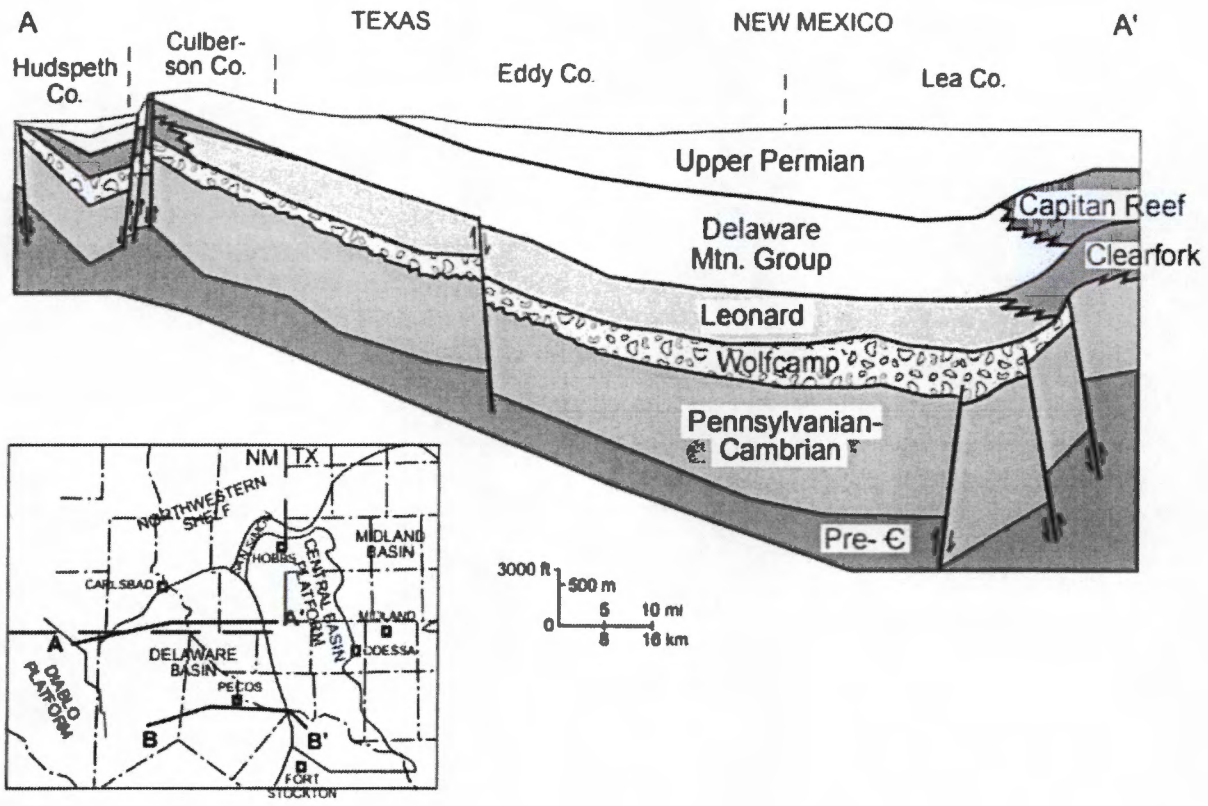


Figure 3. Cross section of the Permian Basin from Montomery (1997). Notice the majority of basement faults only penetrate through the Leonard and deeper formations and therefore cannot act as conduits to the near surface potable water sources.

EXHIBIT H

Table 1: Fault Slip Potential model input parameters

Faults	Value	Notes
Friction Coefficient	0.58	Ikari et al. (2011)
Dip Angle (deg)	70	Snee and Zoback (2018)
Stress		
Vertical stress gradient (psi/ft)	1.1	Hurd and Zoback (2012)
Max Horizontal Stress Direction (deg)	85	Snee and Zoback (2018)
Depth for calculations (ft)	16000	Proposed injection zone
Initial Reservoir Pressure Gradient (psi/ft)	0.7	calculated from mud wt (ppg) used in drilling at these depths
A Phi Parameter	0.60	Snee and Zoback (2018)
Reference Friction Coefficient	0.58	Ikari et al. (2011)
Hydrology		
Aquifer thickness (ft)	1000	Proposed injection zone
Porosity (%)	4	
Permeability (mD)	150	
Injection Rate (bbl/day)	40000	Maximum proposed injection rate

EXHIBIT H

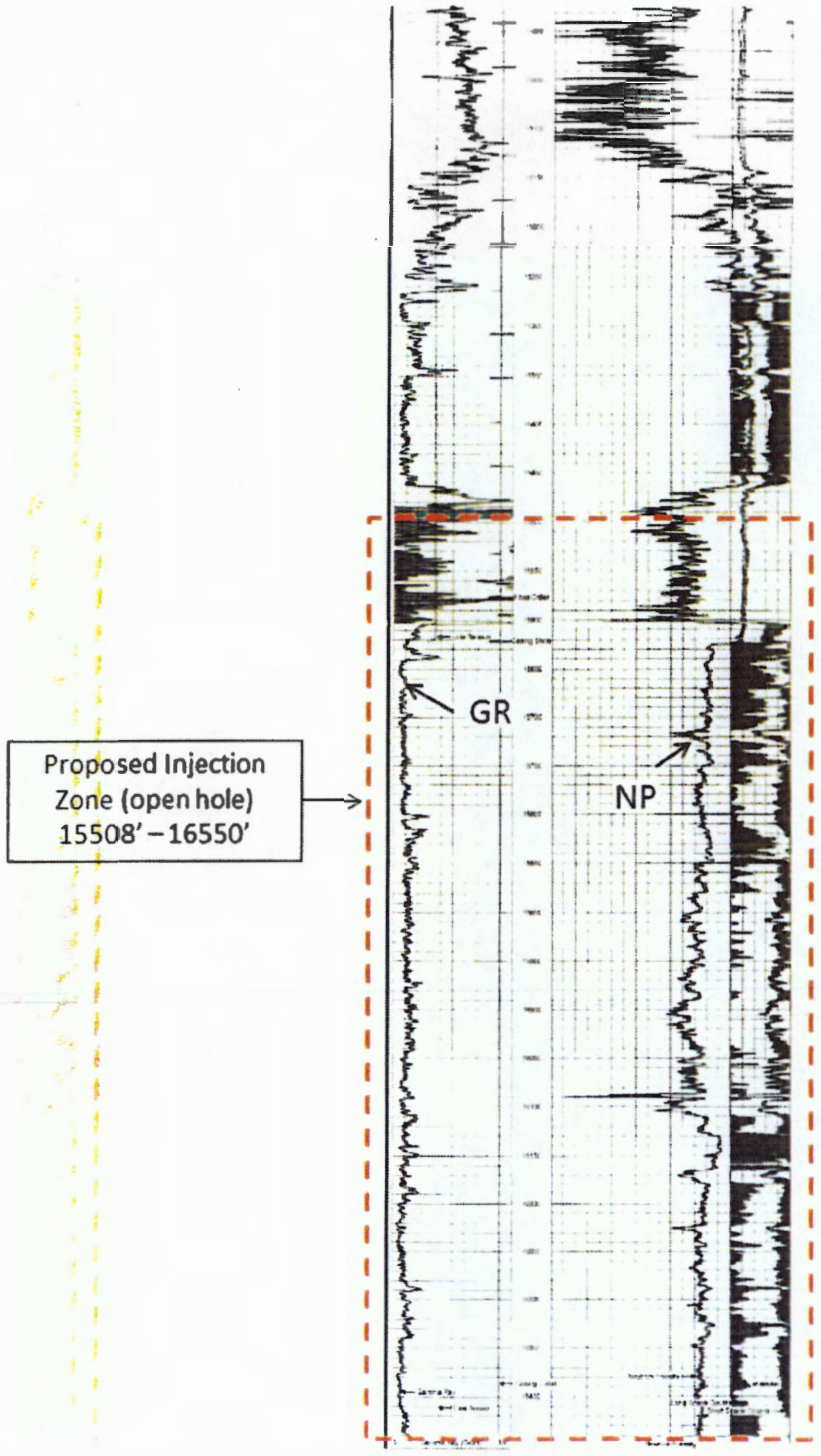


Figure 4. Well log taken from the Fuller 14 Federal SWD #1 (API# 30-015-43630) illustrating the proposed injection zone in the dashed red line. The injection zone is characterized by a ~1000 ft thick section of porous limestone/dolostone seen in track 2. The injection zone is confined on either side by 100-400 ft thick shale beds of the Woodford Formation and Simpson Group.

EXHIBIT H

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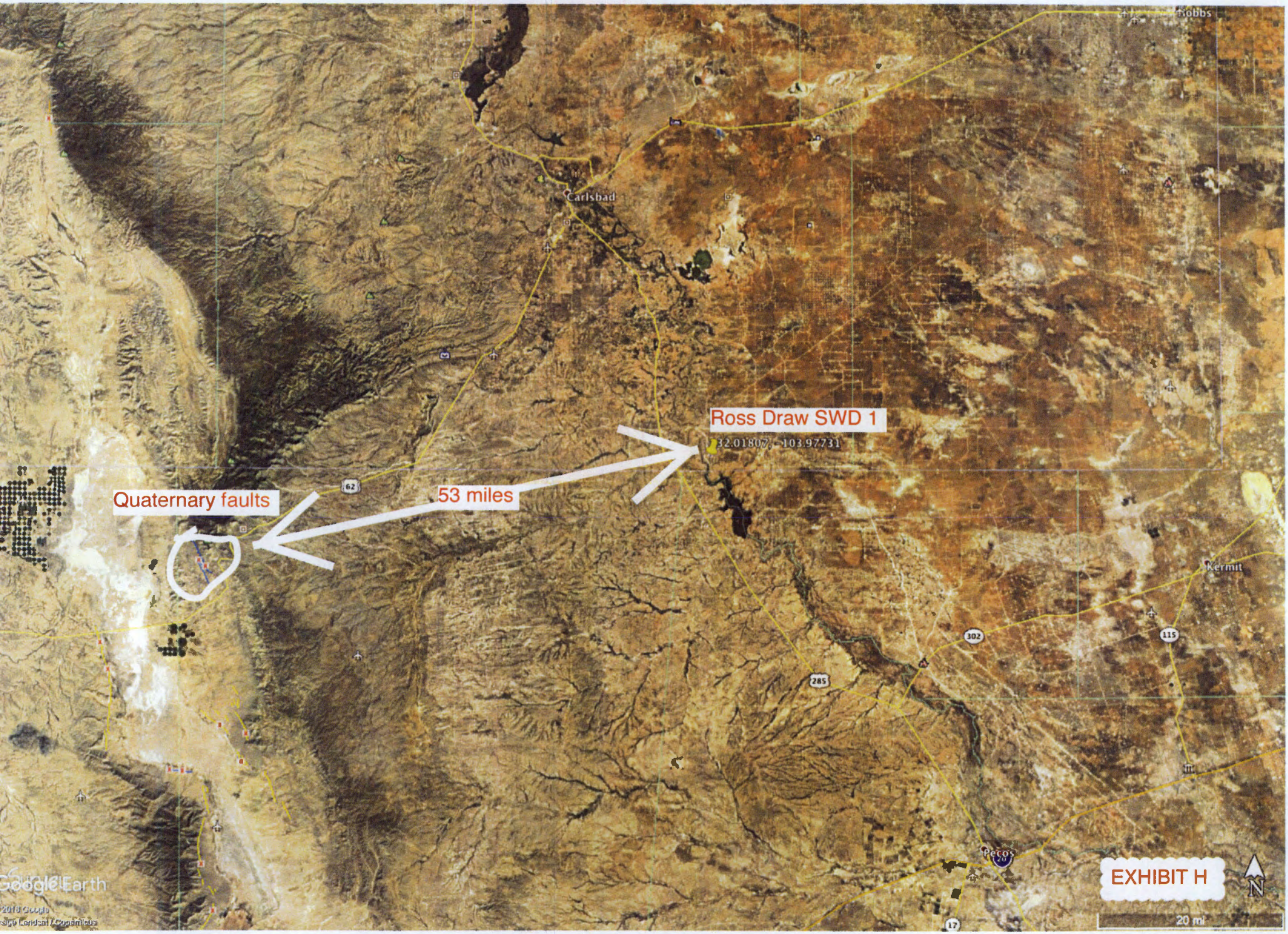
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Hobbs
Carlsbad
Ross Draw SWD 1
32.01807, -103.97731
53 miles
Quaternary faults
62
Kermit
302
115
285
Pecos
17
EXHIBIT H
N
20 mi
Google Earth

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AFFIDAVIT OF PUBLICATION

Ad No.
0001271721

PERMITS WEST, INC.

37 VERANO LOOP
SANTA FE NM 87508

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

12/18/18

Legal Clerk

Subscribed and sworn before me this
18th of December 2018.

State of WI, County of Brown
NOTARY PUBLIC

9/9/21
My Commission Expires

VICKY FELTY
NOTARY PUBLIC
STATE OF WISCONSIN

Ad#:0001271721
P O:
# of Affidavits :0.00

Solaris Water Midstream, LLC is applying to drill the Ross Draw SWD 1 as a saltwater disposal well. The well is staked at 988 FNL & 1032 FWL Sec. 27, T. 26 S., R. 29 E., Eddy County and is 13 miles northwest of Orla, Texas and 15 miles southeast of Malaga, NM. Disposal will be in the Devonian and Silurian from 15,508' to 16,550'. Maximum injection pressure will be 3,101 psi. Maximum disposal rate will be 40,000 bwpd. Interested parties must file objections or requests for hearing with the NM Oil Conservation Division, 1220 South Saint Francis Dr., Santa Fe, NM 87505 within 15 days. Additional information can be obtained by contacting: Brian Wood, Permits West, Inc., 37 Verano Loop, Santa Fe, NM 87508. Phone number is (505) 466-8120.
December 18, 2018

EXHIBIT I

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS
37 Verano Loop, Santa Fe, New Mexico 87508 (505) 466-8120

EXHIBIT J

January 28, 2019

George Ross Ranch LLC
4144 N. Central Expressway, #580
Dallas TX 75204

TYPICAL LETTER

Solaris Water Midstrem, LLC is applying (see attached application) to drill its Ross Draw SWD 1 well as a saltwater disposal well (SWD). As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following proposed SWD. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Ross Draw SWD 1 TD = 16,550'
Proposed Disposal Zone: Devonian & Silurian from 15,508' to 16,550'
Where: 988' FNL & 1032' FWL Sec. 27, T. 26 S., R. 29 E., Eddy County, NM
Approximate Location: 15 air miles southeast of Malaga, NM
Applicant Name: Solaris Water Midstrem, LLC (432) 203-9020
Applicant's Address: 907 Tradewinds Blvd., Suite B, Midland, TX 79706

Submittal Information: Application for a saltwater disposal well will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. NMOCDp address is 1220 South St. Francis Dr., Santa Fe, NM 87505. Their phone number is (505) 476-3440.

This replaces a fall 2018 version at 1578' FSL & 1833' FEL Sec. 27, T. 26 S., R. 29 E. Well was moved 3632' northwest at the request of offset operators.

Please call me if you have any questions.

Sincerely,

Brian Wood

EXHIBIT J

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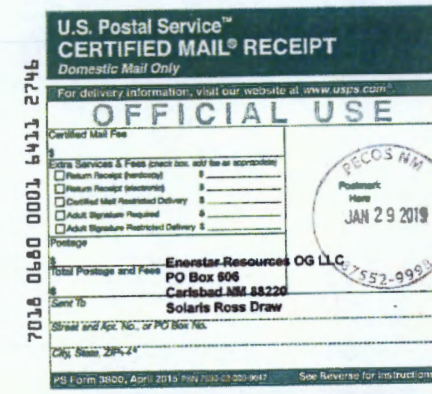

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EOG Resources Inc
333 Clay Street, #4200
Houston TX 88220
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EOG Y Resources Inc.
105 S 4th St
Artesia NM 88220
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Ervin C Phipy
PO Box 10708
Midland TX 88220
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Exxon Mobil Corp
810 Houston St
Fort Worth TX 88220
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4414 N. Central Expressway,
Suite 580
Dallas TX 88220
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Sent To
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Midland TX 88220
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City, State, ZIP+4®
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Henderson & Erickson
410 N Main
Midland TX 88220
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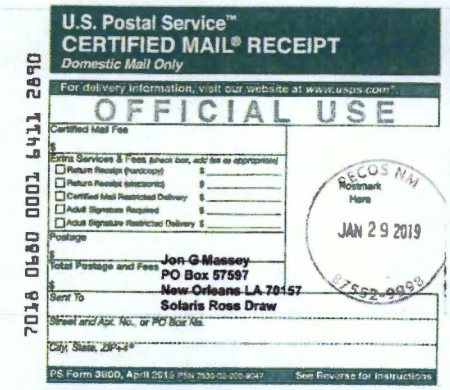

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1802 W Washington
Artesia NM 88220
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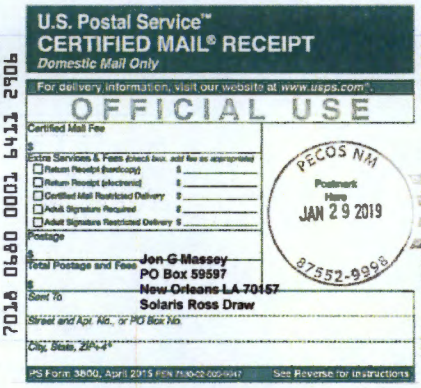

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Jay Easley
PO Box 5036
Victoria TX 77904
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Jay Easley
614 Basswood
Victoria TX 77904
Solaris Ross Draw
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PO Box 17532 CNDT0615
Denver CO 80217
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New Orleans LA 70157
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PO Box 59597
New Orleans LA 70157
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Keer-McGee OG Onshore LP
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Denver CO 80202
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Khody Land and Minerals Company
210 Park Avenue, Suite 900
Oklahoma City OK 73102
Solaris Ross Draw
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Kone LTD
1302 West Avenue
Austin TX 78701
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K P Acquisition Corp
2040 E Murray Holladay
Salt Lake City UT 84117
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500 W Texas #1450
Midland TX 79701
Solaris Ross Draw
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K P Kaufman Co Inc
1675 Broadway STE 2800
Denver CO 80202
Solaris Ross Draw
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Laile M Gleason
925 Hillcrest
Fort Worth TX 76107
Solaris Ross Draw
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Landis Drilling
PO Box 3579
Midland TX 79702
Solaris Ross Draw
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Magnum Hunter Production Inc
202 S Cheyenne Ave STE 1000
Tulsa OK 74103
Solaris Ross Draw
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JAN 29 2019
Marathon Oil Permian LLC
5555 San Felipe St
Houston TX 77056
Solaris Ross Draw
7016 0680 0001 6411 3002

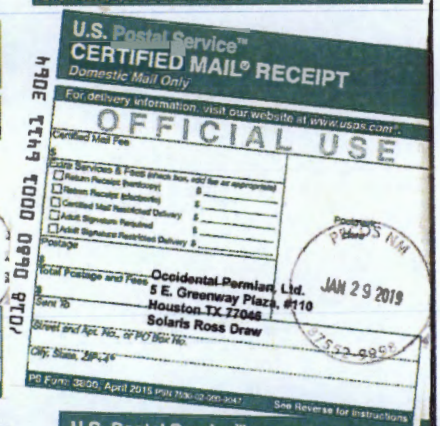

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Mewbourne Oil Company
500 W. Texas, Suite 1020
Midland TX 79701
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7016 0680 0001 6411 3019


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Mewbourne Oil Company
PO Bx 5270
Hobbs NM 88241
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Michael Huber
1008 Townview
Carlsbad NM 88220
Solaris Ross Draw
7016 0680 0001 6411 3033

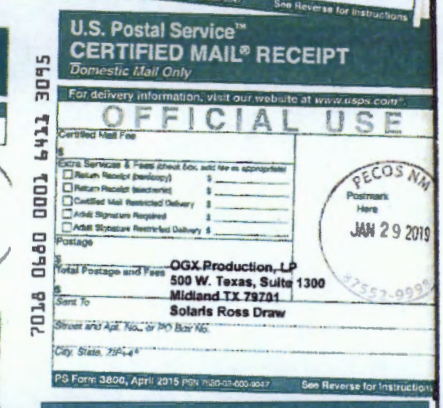

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Mitchell Exploration Inc
PO Box 2415
Midland TX 79702
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Mitchell Group
PO Box 50682
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Occidental Permian, Ltd.
5 E. Greenway Plaza, #110
Houston TX 77046
Solaris Ross Draw
7016 0680 0001 6411 3064

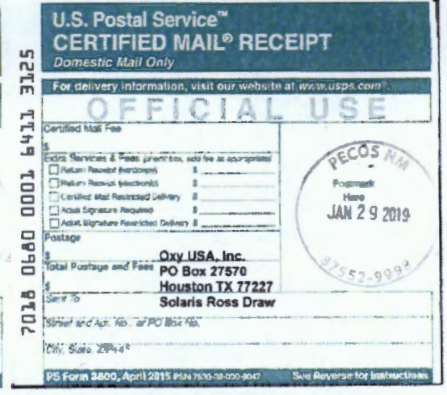

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OGX Production, LP
400 N. Marienfeld, #200
Midland TX 79701
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PO Box 2064
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500 W. Texas, Suite 1300
Midland TX 79701
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Omimex Petro Inc
8055 E Tufts Ave #1060
Denver CO 80237
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Oxy USA, Inc.
5 Greenway Plaza
Houston TX 77046
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7016 0680 0001 6411 3118


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PO Box 27570
Houston TX 77227
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7016 0680 0001 6411 3132
Panther Ventures Inc
PO Box 58846
Midland TX 79710
Solaris Ross Draw

7016 0680 0001 6411 3149
Pilot Ene 1985 LTD
1000 Louisiana St
Houston TX 77002
Solaris Ross Draw

7016 0680 0001 6411 3156
Pioneer Natural Res USA Inc
5205 N. O'Connor Blvd., Suite 200
Irving TX 75039
Solaris Ross Draw

7016 0680 0001 6411 3163
Proven Petroleum, Inc.
12081 W. Alameda Parkway, PMB 513
Lakewood CO 80228
Solaris Ross Draw

7016 0680 0001 6411 3170
PXP Producing Co LLC
700 Milam Street, Suite 3100
Houston TX 77002
Solaris Ross Draw

7016 0680 0001 6411 3187
QEP Energy Company
1050 17th Street, Suite 500
Denver CO 80265
Solaris Ross Draw

7016 0680 0001 6411 3194
Randall K Ford
PO Box 51037
Midland TX 79710
Solaris Ross Draw

7016 0680 0001 6411 3200
Read & Stevens, Inc.
400 Penn Plaza, Suite 1000
Roswell NM 88201
Solaris Ross Draw

7016 0680 0001 6411 3217
Read & Stevens, Inc.
PO Box 1518
Roswell NM 88202
Solaris Ross Draw

7016 0680 0001 6411 3224
Red Bluff Water Power
Control District
111 W 2nd St
Pecos TX 79772
Solaris Ross Draw

7016 0680 0001 6411 3231
RKG Inc
1527 Hillside Rd
Fairfield CT 6490
Solaris Ross Draw

7016 0680 0001 6411 3248
RKI (WPX Energy Permian, LLC)
3817 NW Expressway, Suite 950
Oklahoma City OK 73112
Solaris Ross Draw

7016 0680 0001 6411 3255
RKI Exploration & Production, LLC
3500 One Williams Center
Tulsa OK 74172
Solaris Ross Draw

7016 0680 0001 6411 3262
Robert H. Forrest, Jr. Oil, LLC
609 Elora Drive
Carlsbad NM 88220
Solaris Ross Draw

7016 0680 0001 6411 3279
Rosalyn S Graham
3612 Pennsylvania Ln
Plano TX 75075
Solaris Ross Draw


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S & J Operating Company
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Wichita Falls TX 76307
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7018 0680 0001 6411 3293
Sphere Oklahoma, Inc.
10 E. 3rd, 7th Floor
Tulsa OK 74013
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7018 0680 0001 6411 3309
Sphere Oklahoma, Inc.
15 East 5th St., Suite 3670
Tulsa OK 74013
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7018 0680 0001 6411 3346
Star Production Inc
4600 Greenville Ave #270
Dallas TX 75206
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7018 0680 0001 6411 3323
Stephens & Johnson
Operating Company
P.O. Box 2249
Wichita Falls TX 76307
Solaris Ross Draw
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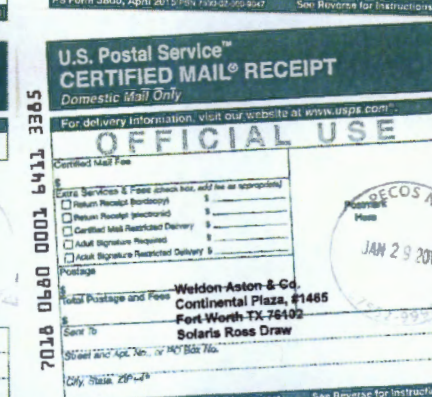

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7018 0680 0001 6411 3330
Tap Rock Operating, LLC
602 Park Point Dr., Suite 200
Golden CO 80401
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Tycor Enterprises
5720 Grey Rock Rd
Agoura Hills CA 91301
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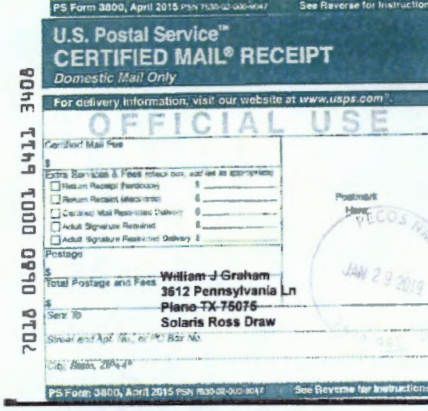

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Vintage Drilling Co LLC
PO Box 248
Artesia NM 88211
Solaris Ross Draw
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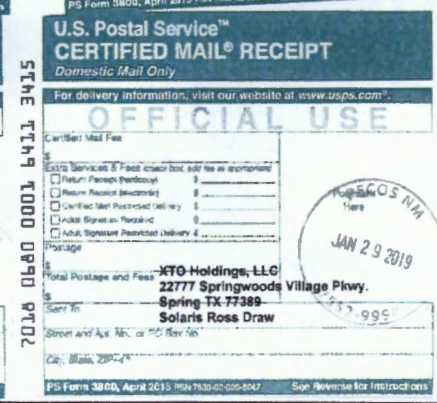

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Vivian M Kreel
1527 Hillside Rd
Fairfield CT 6430
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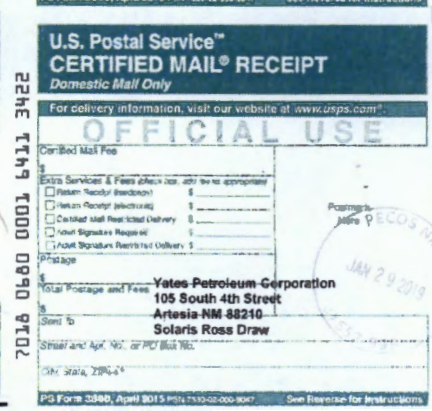

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Warwick-Ares, LLC
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Weldon Aston & Co.
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Abilene TX 79604
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William J Graham
3612 Pennsylvania Ln
Plano TX 75075
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7018 0680 0001 6411 3415
XTO Holdings, LLC
22777 Springwoods Village Pkwy.
Spring TX 77389
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7018 0680 0001 6411 3422
Yates Petroleum Corporation
105 South 4th Street
Artesia NM 88210
Solaris Ross Draw
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