Initial Application Part I

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

Revised March 23, 2017

RECEIVED:	REVIEWER:	TYPE:	APP NO:
3/20/2018		SWD	pMAM1907956968

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: Jessie Spano State SWD 1 **API:** 30-015-45434
Pool: SWD; Devonian **Pool Code:** 96101

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

MAR 20 2019 PM03:11

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

3-20-19
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

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:

Jessie Spano State SWD 1
30-015-45434
SWD; Devonian

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).

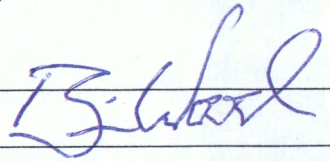
*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

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: MAR. 18, 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.

Side 1

INJECTION WELL DATA SHEET

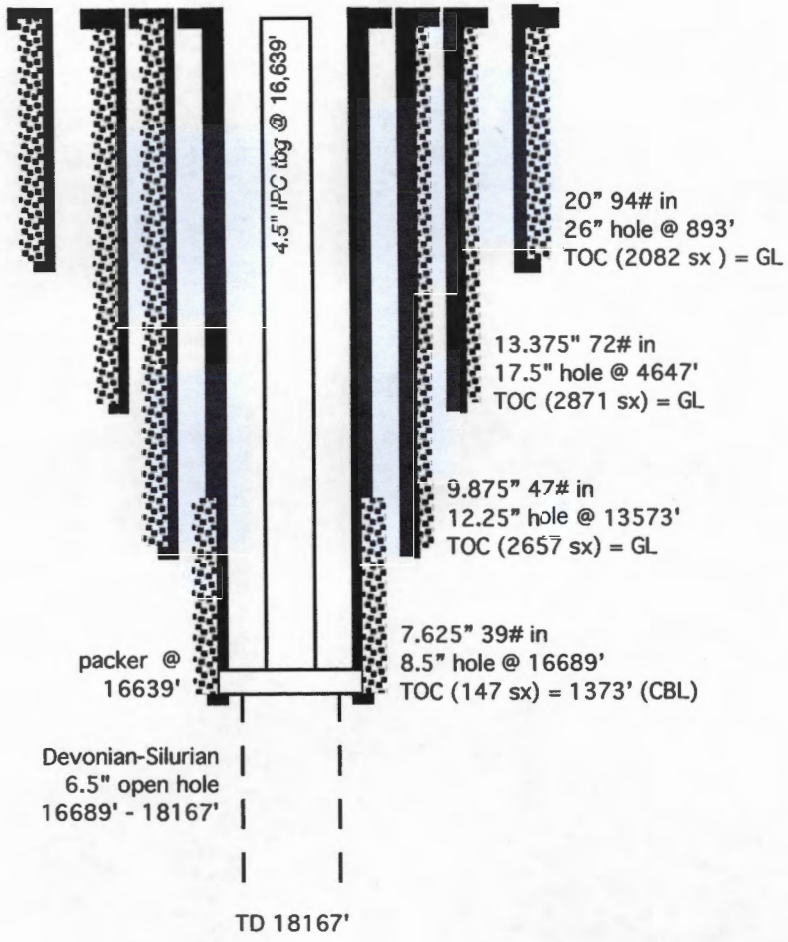
OPERATOR: SOLARIS WATER MIDSTREAM, LLC

WELL NAME & NUMBER: JESSIE SPANO STATE SWD 1

WELL LOCATION:	295' FNL & 2505' FWL	C	36	26 S	30 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: 2082 sx. *or* _____ ft³

Top of Cement: SURFACE Method Determined: CIRCULATE

Intermediate Casing

Hole Size: 17.5" 12.25" Casing Size: 13.375" @ 4647' 9.875" @ 13573'

Cemented with: 5528 sx. *or* _____ ft³

Top of Cement: SURFACE Method Determined: CIRCULATE

Production Casing

Hole Size: 8.5" Casing Size: 7.625"

Cemented with: 147 sx. *or* _____ ft³

Top of Cement: 13373' Method Determined: CBL

Total Depth: LINER @ 16689' & TD @ 18167'

Injection Interval

6.5" HOLE SIZE 16689 feet to 18,167'

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

INJECTION WELL DATA SHEET

Tubing Size: 4.5" Lining Material: DUOLINE GLASSBORE

Type of Packer: NICKEL PLATED DOUBLE GRIP RETRIEVABLE

Packer Setting Depth: ≈16,639'

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

3. Name of Field or Pool (if applicable): SWD;DEVONIAN (96101)

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 BRUSHY CANYON (5847'), BONE SPRING (8273'), WOLFCAMP (10808'), & MORROW (14,330')

   UNDER: NONE

I. Goal is to drill an 18,167' deep commercial saltwater disposal well on NM State Land Office surface. Proposed disposal interval will be 16,689' - 18,167' in the SWD; Devonian (96101). See Exhibit A for C-102 and map.

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: Jessie Spano State SWD (state surface)
Well name and number: Jessie Spano State SWD 1
Location: 295' FNL & 2505' FWL Section 36, T. 26 S., R. 30 E.

A. (2) Surface casing (20", 94#, H-40) will be set at 893' in a 26" hole and cemented to GL with 2082 sacks.

First intermediate casing (13.375", 72#, HCL-80, BTC) will be set at 4,647' in a 17.5" hole and cemented to GL with 2,871 sacks

Second intermediate casing (9.875", 47#, HCP-110) will be set at 13,573' in a 12.25" hole and cemented to GL with 2,657 sacks.

Liner (7.625", 39#, P-110) will be set at 16,689' in an 8.5" hole and cemented to 13,373' (TOL) with 147 sacks.

A 6.5" open hole will be drilled to 18,167'.

A. (3) Tubing will be CLS 4.5" duoline 20 Glassbore® or its equivalent. Setting depth will be ≈16,639'. (Disposal interval will be 16,689' to 18,127'.)

A. (4) A nickel plated double grip retrievable packer will be set at ≈16,639' (or ≤100' above the top of the open hole which will be at 16,689').

B. (1) Disposal zone will be the Devonian (SWD; Devonian (96101) pool). Estimated fracture gradient is ≈0.65 psi/foot.

B. (2) Disposal interval will be open hole from 16,689' to 18,167'.

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 or historically producing in the 1-mile area of review and above the Devonian (16,689') are the Delaware Brushy Canyon (5,847'), Bone Spring (8,273'), Wolfcamp (10,808'), and Morrow (14,330'). Delaware is both a producing zone and has been used for injection and disposal. No oil or gas zone is below the Devonian 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 24 wells (14 oil or gas + 8 P&A + 2 SWD) within a mile radius. Deepest well within a mile is 14,438' TVD. Exhibit C shows all 68 existing wells (43 oil or gas wells + 20 P & A wells + 4 injection or disposal wells + 1 water well) within a two-mile radius. No Devonian or deeper SWD well is within a minimum 2-mile radius.

All leases within a 1-mile or 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 (14,438' TVD) well (30-015-22810) within a mile bottomed in the Morrow, >2,000' 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 3,337 psi (= 0.2 psi/foot x 16,689' (top of open hole)).

4. Disposal water will be produced water, mainly from Delaware, Bone Spring, and Wolfcamp wells. There are 113 approved Delaware wells, 38 approved Bone Spring wells, and 81 approved Wolfcamp wells in T. 26 S., R. 30 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 4,571,124 barrels have been disposed to date in the first 9 months.

5. No Devonian well has been drilled within 2 miles in New Mexico or Texas. Closest Devonian producer in New Mexico is more than half dozen miles away. Closest Devonian SWD (30-015-45223) in New Mexico is 4 miles north-northwest. This well has an approved APD, but SWD order has not yet been approved.

VIII. The Devonian (≈1,578' thick) is mainly limestone and dolomite. Closest possible underground source of drinking water above the proposed disposal

interval are the red beds above the Rustler. According to State Engineer records (Exhibit G), the closest water well (440' deep C 02165) is 1.56 miles northwest. This appears to be the Gyp Windmill which is 1.42 miles northwest. This was dry during a January 18-19 2019 field inspection. No underground source of drinking water is below the proposed disposal interval.

Formation tops are:

Quaternary = 0'
Rustler anhydrite = 873'
Castile = 2179'
Lamar (base of salt) = 3660'
Bell Canyon = 3697'
Cherry Canyon = 4597'
Brushy Canyon = 5847'
Bone Spring limestone = 7520'
Wolfcamp = 10808'
Strawn = 13593'
Atoka = 13714'
Morrow = 14330'
Mississippian = 16212'
Woodford shale = 16554'
Devonian/Silurian = 16689'
disposal interval = 16689' - 18167'
Fusselman = 17646'
TD = 18167'
Montoya = 18267'

One water well is within a 2-mile radius according to State Engineer records (Exhibit G). Depth is 440'. Neither it nor any other water wells were found during a January 18-19 2019 field inspection. There will be >15,000' of vertical separation and shale, salt, and anhydrite strata between the bottom of the only likely underground water source (red beds) and the top of the Devonian.

IX. The well will be stimulated with acid.

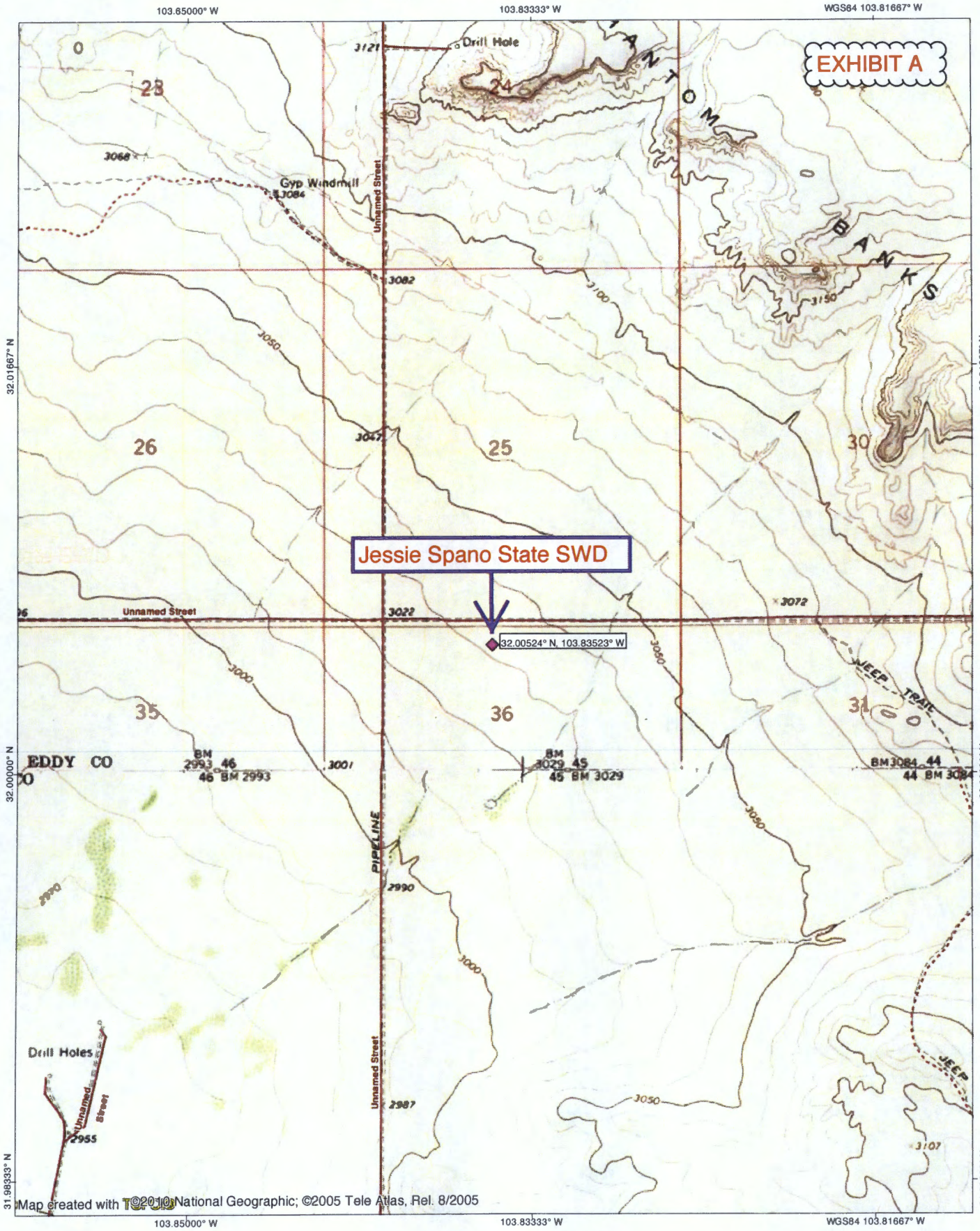
X. A CBL will be run from production casing setting depth to TOC. GR log will be run from the second intermediate to TD.

XI. No active water well was found within 2-miles during a January 18-19 2019 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 440'. There are 259 approved Devonian SWD wells in New Mexico. Closest Quaternary fault is ≈61 miles west-southwest.

XIII. A legal ad (see Exhibit I) was published on March 12, 2019. Notice (this application) has been sent (Exhibit J) to the surface owner (NM State Land Office), BLM, and all well operators (EOG, Mewbourne, RKI, Tap Rock, WPX) regardless of depth, lessees of record (Chevron, Energen, EOG, Flat Creek, Marshall & Winston, Occidental Permian, RKI, Tap Rock, WPX), and operating right holders within a mile.

TOPO! map printed on 01/06/19 from "Untitled.tpo"



RECEIVED

EXHIBIT A

NOV 05 2018

DISTRICT II-ARTESIA O.C.D.

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 and Natural Resources Department

Form C-102
Revised August 1, 2011

Submit one copy to appropriate District Office

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-015-45434	96101	SWD; Devonian

Property Code	Property Name	Well Number
322864	JESSIE SPANO STATE SWD	1

OGRID No.	Operator Name	Elevation
371643	SOLARIS WATER MIDSTREAM, LLC	3033'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	36	26 S	30 E		295	NORTH	2505	WEST	EDDY

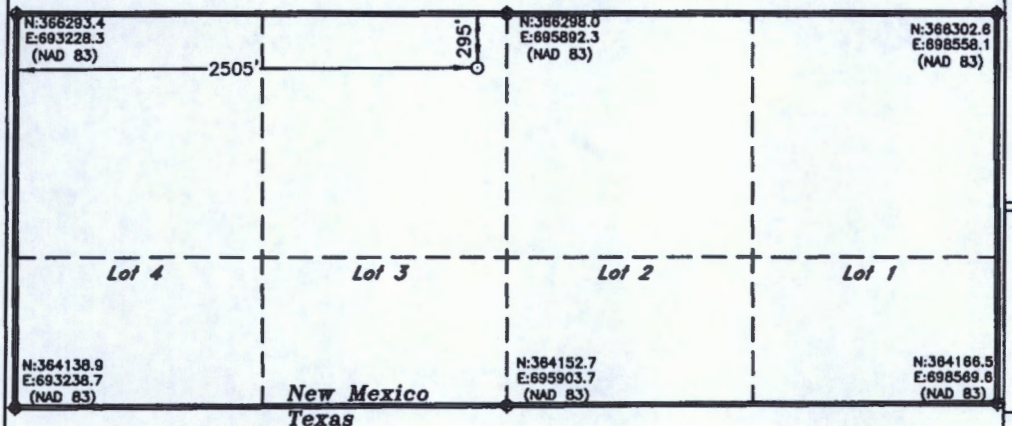
Bottom Hole Location If Different From Surface

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

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
2.50			

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

SURFACE LOCATION
Lat – N 32.005244°
Long – W 103.835233°
NMSPCE– N 366002.7
E 695734.7
(NAD-83)



OPERATOR CERTIFICATION

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

Bonnie Atwater 10/31/18
Signature Date

Bonnie Atwater
Printed Name

bonnie.atwater@solarismidstream.com
Email Address

SURVEYOR CERTIFICATION

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

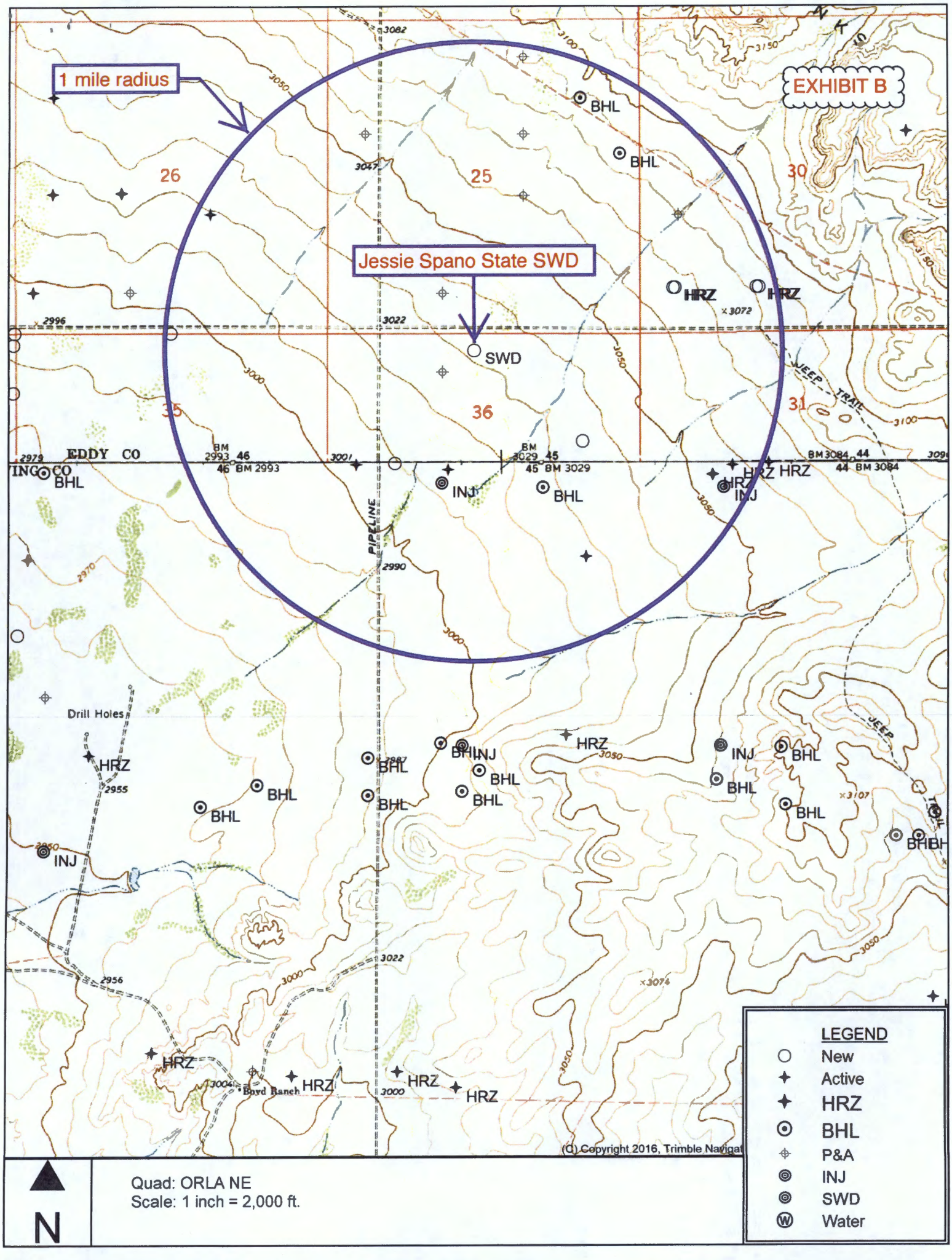
AUGUST 16, 2018
Date Surveyed

Signature & Seal of Professional Surveyor

NEW MEXICO 7977

Certificate Number Gary L. Jones 7977

0' 500' 1000' 1500' 2000'
SCALE: 1" = 1000'
WO Num.: 34065


1 mile radius
EXHIBIT B
Jessie Spano State SWD
SWD
26
25
30
35
36
31
EDDY CO
PIPELINE
JEEP TRAIL
Drill Holes
Boyd Ranch
BHL
INJ
HRZ
LEGEND
New
Active
HRZ
BHL
P&A
INJ
SWD
Water
Quad: ORLA NE
Scale: 1 inch = 2,000 ft.
N

SORTED BY DISTANCE FROM JESSIE SPANO STATE SWD 1

API	OPERATOR	WELL	TYPE	UNIT-SECTION	TVD	ZONE @ TD	FEET FROM JESSIE SPANO STATE SWD 1
3001525762	Corinne Grace	Win St 001	P&A	C-36	201	Tertiary red beds	651
3001525745	RKI	Grace CG Federal 002	P&A	N-25	7020	Delaware	1084
30131387	WPX	MedicineBow 56-1-3 #1H	G	TX	11167	Wolfcamp	2200
30131961	WPX	Stateline SWD 2 #1	SWD	TX	5162	Bone Spring	2271
3001544384	Tap Rock	Nailed It State Com 001	G	1-36	11737	Wolfcamp	2384
30132639	WPX	CBR 2 #4H	G	TX	11119	Wolfcamp	2500
30131827	WPX	TXL #A001PA	O	TX	8173	Bone Spring	2640
3001525603	Claco	Grace CG Federal 001	P&A	J-25	7025	Delaware	2713
30131555	RKI	CBR2 1H	O	TX	8283	Bone Spring	2743
3001544920	EOG	Easy Wind 30 Federal Com 701H	G	4-30	10322	Wolfcamp	3530
3001544921	EOG	Easy Wind 30 Federal Com 702H	G	4-30	Plan: 11015	Wolfcamp	3564
3001544713	Mewbourne	Lindale 24 25 W1AH Federal 001H	G	A-24	11195	Wolfcamp	3709 (BHL)
3001525450	RKI	Spitfire 25 001	P&A	G-25	12790	Wolfcamp	3724
3001544714	Mewbourne	Lindale 24 25 W1AH Federal 002H	G	A-24	11424	Wolfcamp	4060 (BHL)
3001525297	RKI	Amoco Federal 001	P&A	E-25	7143	Delaware	4091
3001522476	Texas Pacific	Phantom Draw Unit 002	P&A	L-30	12820	Wolfcamp	4137
30131706	WPX	CBR 2 #23	O	TX	7842	Delaware	4225
30132372	WPX	CBR 2 #2H	G	TX	11165	Wolfcamp	4600
30132916	WPX	CBR 11-2 #1H	G	TX	10251	Wolfcamp	4800
30131958	RKI	Stateline SWD 2 #2	SWD	TX	5190	Delaware	4833
3001544922	EOG	Easy Wind 30 Federal Com 703H	G	N-30	Plan: 11015	Wolfcamp	4920

SORTED BY DISTANCE FROM JESSIE SPANO STATE SWD 1

API	OPERATOR	WELL	TYPE	UNIT-SECTION	TVD	ZONE @ TD	FEET FROM JESSIE SPANO STATE SWD 1
3001544923	EOG	Easy Wind 30 Federal Com 704H	G	N-30	Plan: 11015	Wolfcamp	4955
3001525951	RKI	Amoco Federal 002	P&A	B-25	5990	Delaware	5021
3001522810	RKI	Ross Draw Unit 007	P&A	J-26	14438	Morrow	5054
3001535865	*RKI*	*Ross Draw Unit 028*	*P&A*	*N-26*	*6900*	*Delaware*	*5896*

EXHIBIT B

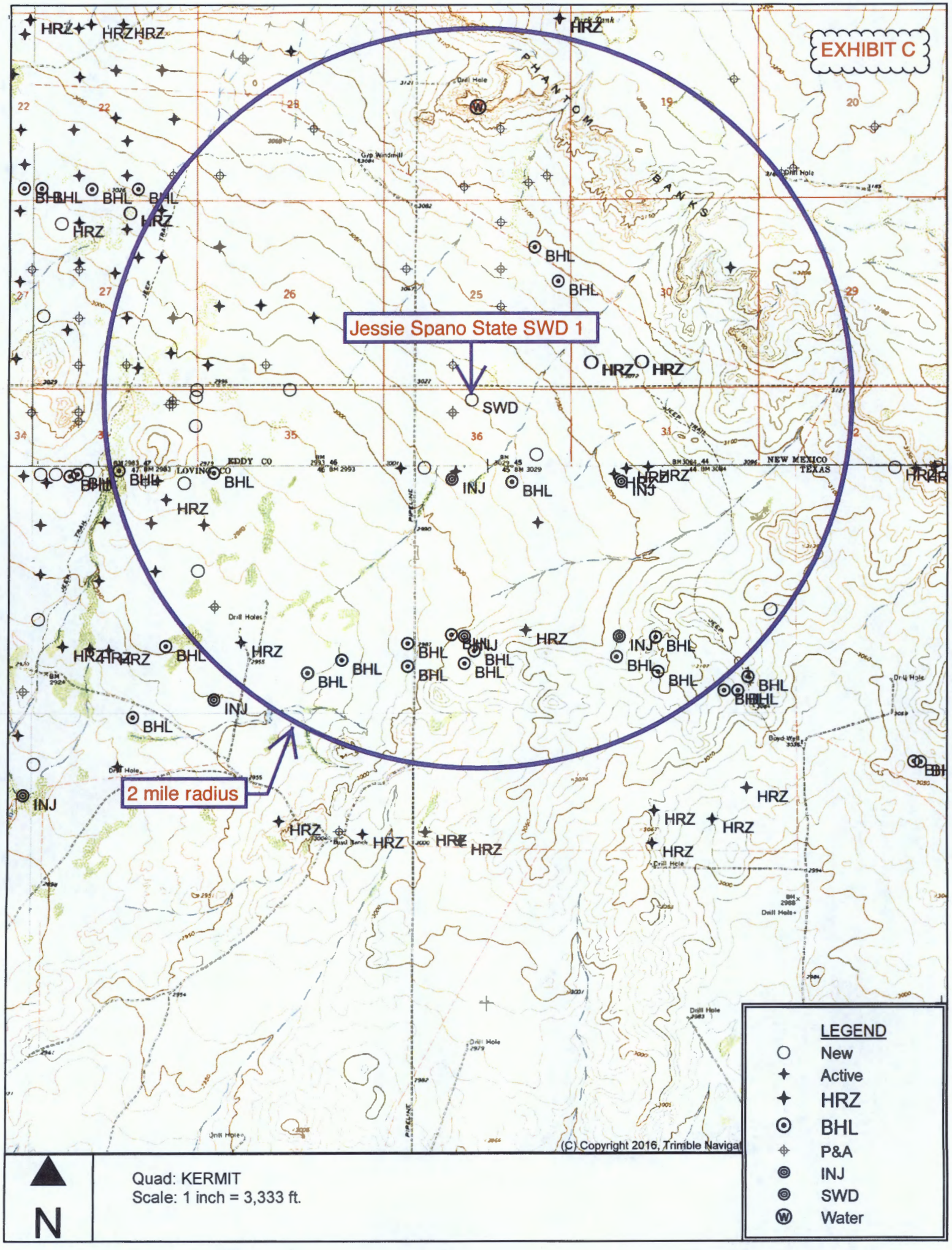
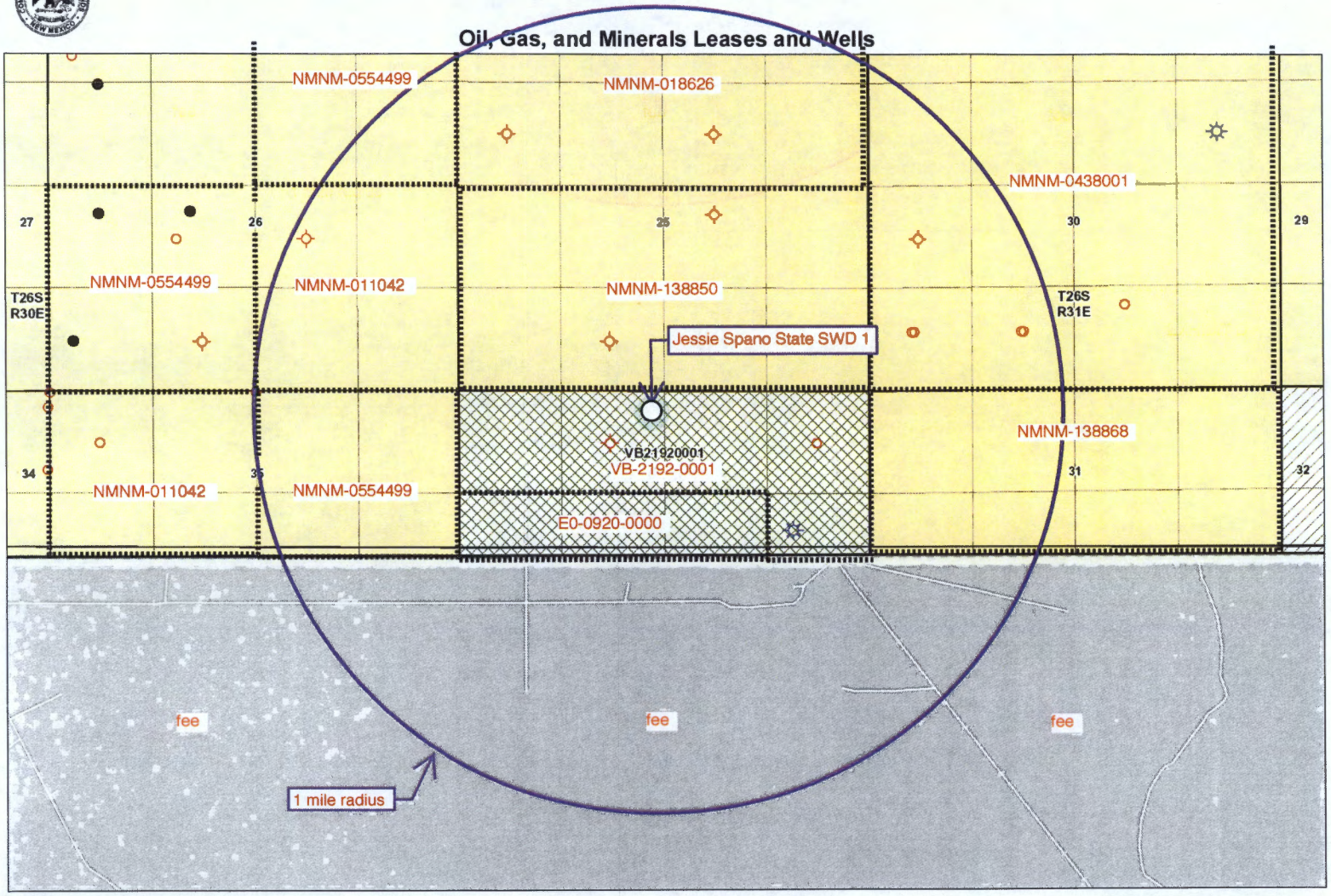


EXHIBIT C
Jessie Spano State SWD 1
SWD
2 mile radius
PHANTOM BANKS
EDDY CO
LOVING CO
NEW MEXICO
TEXAS
(C) Copyright 2016, Trimble Navigat
N
Quad: KERMIT
Scale: 1 inch = 3,333 ft.
LEGEND
New
Active
HRZ
BHL
P&A
INJ
SWD
Water

New Mexico State Land Office

Oil, Gas, and Minerals Leases and Wells



- Salt Water Disposal
- Water Storage
- Miscellaneous
- Plugged / Dry / Abandoned
- Cancelled / Not Drilled
- Highway Mileposts
- Detailed Roads
- Unit Agreement Boundaries
- Participating Areas in Units
- Commercial Leases
- Minerals Leases
- Oil and Gas Leases
- Agricultural Leases
- Energy Leases
- Potash District
- All Minerals
- Coal Only
- Oil and Gas Only
- Oil, Gas and Coal Only
- Other Minerals

Disclaimer:
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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.

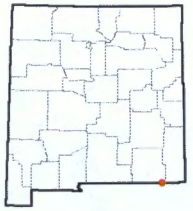
0 0.2 0.4 0.8 mi

0 0.35 0.7 1.4 km

N

EXHIBIT D

Map Created: 3/17/2019



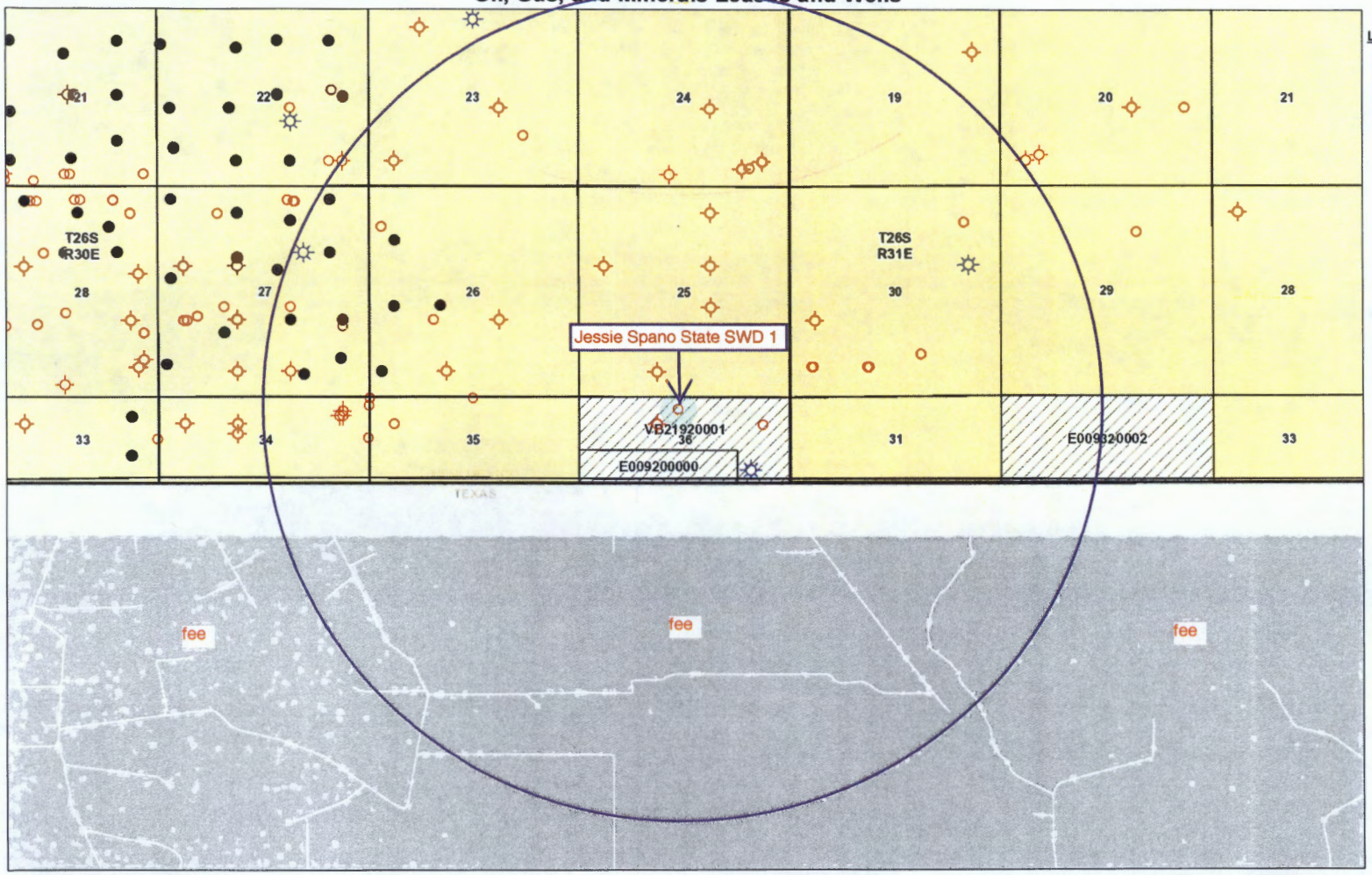
JESSIE SPANO STATE SWD 1 AREA OF REVIEW LEASES

Aliquot Parts in Area of Review	Lessor	Lease	Lessee of Record	Operators (all shallower than Devonian)
N2 25-26s-30e	BLM	NMNM-018626	Occidental Permian	Mewbourne
S2 25-26s-30e	BLM	NMNM-138850	Tap Rock	Mewbourne
E2NE4 & SWNE 26-26s-30e	BLM	NMNM-0554499	Marshall & Winston	EOG & WPX
SE4 26-26s-30e	BLM	NMNM-011042	RKI	WPX
SESW 26-26s-30e	BLM	NMNM-0554499	Marshall & Winston	WPX
NENW 35-26s-30e	BLM	NMNM-011042	RKI	none
N2NE4 and Lots 1 & 2 35-26s-30e	BLM	NMNM-0554499	Marshall & Winston	none
N2N2 & Lot 1 36-26s-30e	NMSLO	VB-2192-0001	Energen	Tap Rock
Lots 2-4 36-26s-30e	NMSLO	E0-0920-0000	Chevron USA	Tap Rock
NWNW, S2NW, & SW4 30-26s-31e	BLM	NMNM-0438001	EOG	EOG & WPX
NENW & Lots 1-3 31-26s-31e	BLM	NMNM-138868	Flat Creek	none
Texas	fee	fee	WPX	WPX & RKI

EXHIBIT D

New Mexico State Land Office

Oil, Gas, and Minerals Leases and Wells



Legend

- Override 1
- State Boundary
- Continental Divide
- County Boundaries
- Townships
- Sections
- Carbon Dioxide
- Gas
- Injection
- Oil
- Salt Water Disposal
- Water Storage
- Miscellaneous
- Plugged / Dry / Abandoned
- Cancelled / Not Drilled
- Unit Agreement Boundaries
- Participating Areas in Units
- Oil and Gas Leases
- All Minerals
- Coal Only
- Oil and Gas Only
- Oil, Gas and Coal Only
- Other Minerals

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0 0.4 0.8 1.6 mi

0 0.5 1 2 km

N

EXHIBIT E

Map Created: 3/17/2019

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

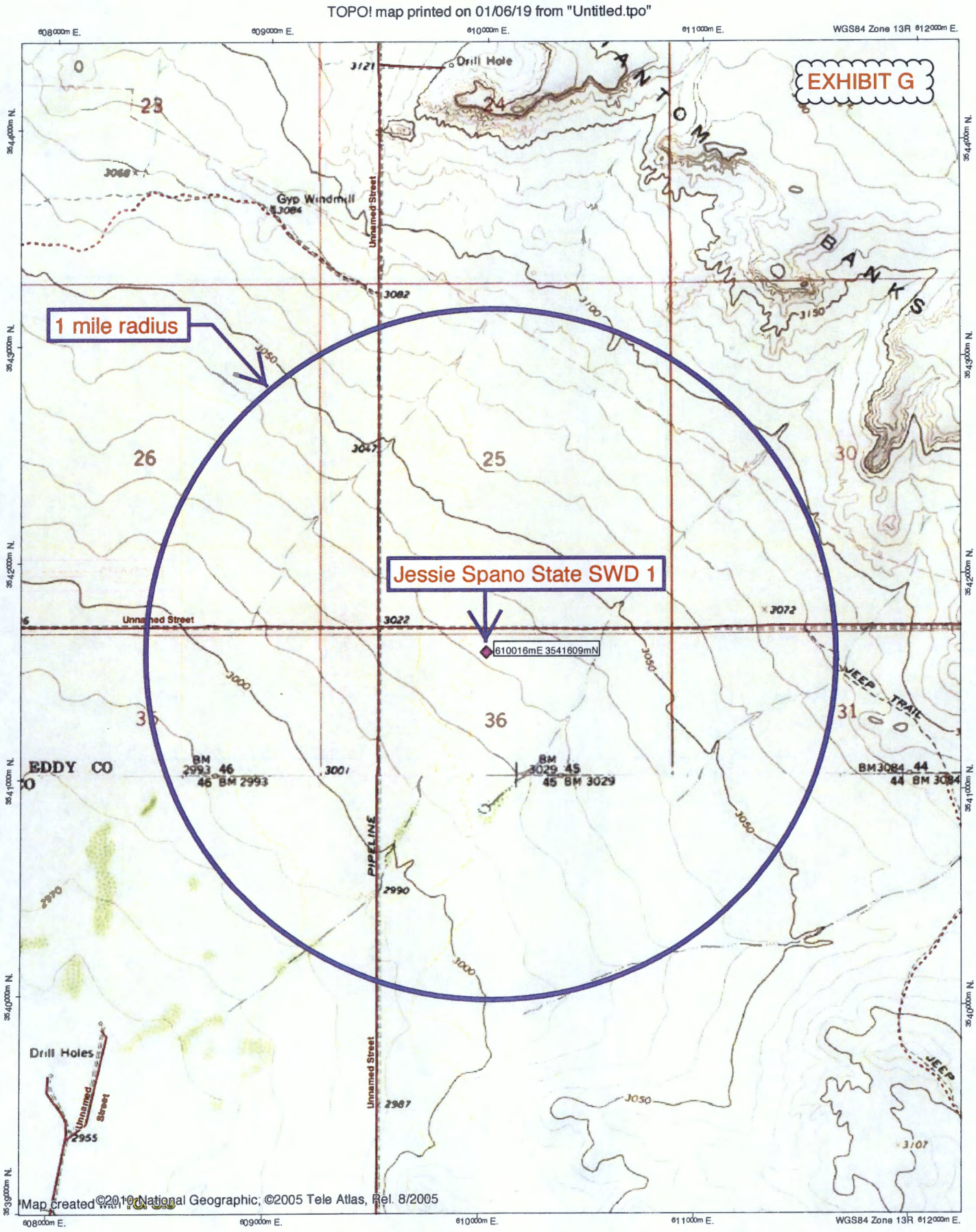
TOPO! map printed on 01/06/19 from "Untitled.tpo"
EXHIBIT G
1 mile radius
Jessie Spano State SWD 1
610016mE 3541609mN
Drill Hole
Gyp Windmill
Unnamed Street
PIPELINE
JEEP TRAIL
EDDY CO
Drill Holes
Map created ©2010 National Geographic; ©2005 Tele Atlas, Rel. 8/2005
NATIONAL GEOGRAPHIC
TN MN
01/06/19

EXHIBIT G

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 02165		C	ED				24	26S	30E	610036	3544121*	2512	440	180	260

Average Depth to Water: **180 feet**

Minimum Depth: **180 feet**

Maximum Depth: **180 feet**

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 610016 **Northing (Y):** 3541609 **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

Jessie Spano State SWD No. 1

Section 36, Township 26 South, Range 30 East

Eddy County, New Mexico

Cory Walk

Cory Walk

B.S., M.S.

Geologist

Permits West Inc.

December 4, 2018

EXHIBIT H

Introduction

Jessie Spano State SWD #1 is located in section 36, T26S, R30E, about 20 miles southeast of Malaga, NM in the Permian Basin. Solaris Water Midstream, LLC proposes the injection zone to be within the "Devonian" (Silurian Wristen Group) and Fusselman formations through an open hole from 16,689'- 18,267' 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 Jessie Spano State 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 Jessie Spano State SWD #1 well, the top of a thick anhydrite unit interpreted to represent the Rustler Formation lies at a depth of ~873 feet bgs.

Faults and Fractures

Fault data from the Geologic Map of New Mexico (2003) shows the nearest surface fault to the SWD location is found 30 miles to the northwest (Figure 1). This fault is inferred based on a mapped discontinuity of stratigraphy. Greater than 40 miles southwest of the Jessie Spano State well is 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 Jessie Spano State SWD #1 well is ~9 miles from a basement-penetrating fault documented by Ewing et al (1990). Montgomery (1997) indicates 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 and Zoback, 2016; Walsh et al., 2017). This software uses parameters such as stress orientations, fault strike and dip, injection rates, fault friction coefficients, etc. to estimate the potential for fault slip. Using the best available data as input parameters (Table 1), fault slip potential was modeled through the year 2040. Model results give a maximum of 1 percent (0.01) probability of slip on a fault to the northwest (Fig. 4).

Stratigraphy

Thick permeability barriers exist above (Woodford shale; 165 ft thick) and below (Simpson Group; 620 ft thick) the targeted Devonian-Silurian injection zone (Plate 2, Comer et al., 1991; Fig. 8, Frenzel et al., 1988). Approximately 15,800 feet of rock separate the top of the proposed injection zone from the previously stated lower limit of potable water at the top of the Rustler formation.

EXHIBIT H

Conclusions

Geologic data evaluated around the Jessie Spano State SWD #1 well show no potential structural or stratigraphic connection between the Silurian-Devonian injection zone and any subsurface potable water sources. Based on Fault Slip Potential modeling there is a 1% probability (0.01) of inducing seismic activity along a deeply penetrating Precambrian fault.

EXHIBIT H

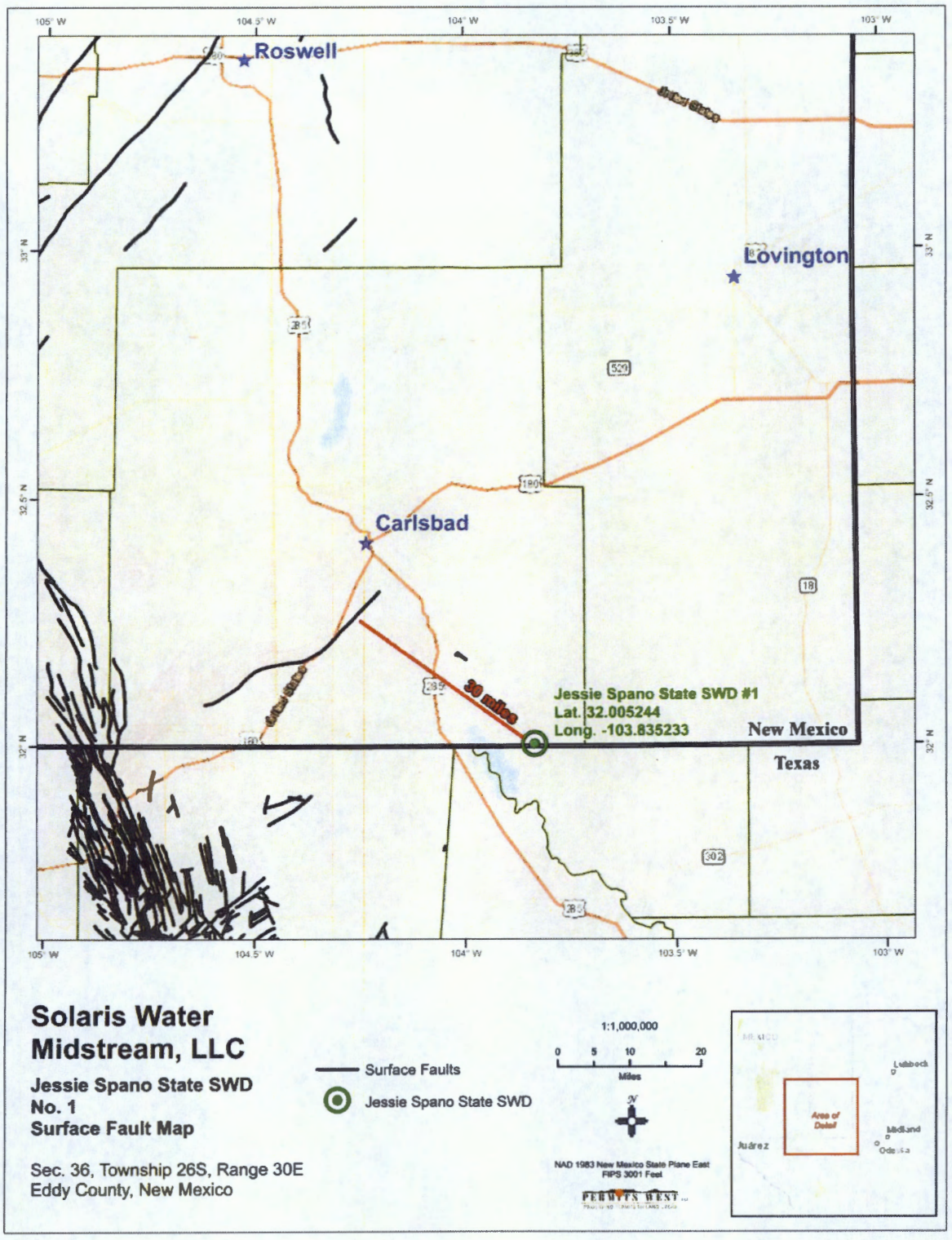

Figure 1. Shaded relief of the northwestern Permian Basin. Thick black lines represent locations of fault traces and show that the nearest fault to the proposed Jessie Spano State SWD #1 well lies ~30 miles away.

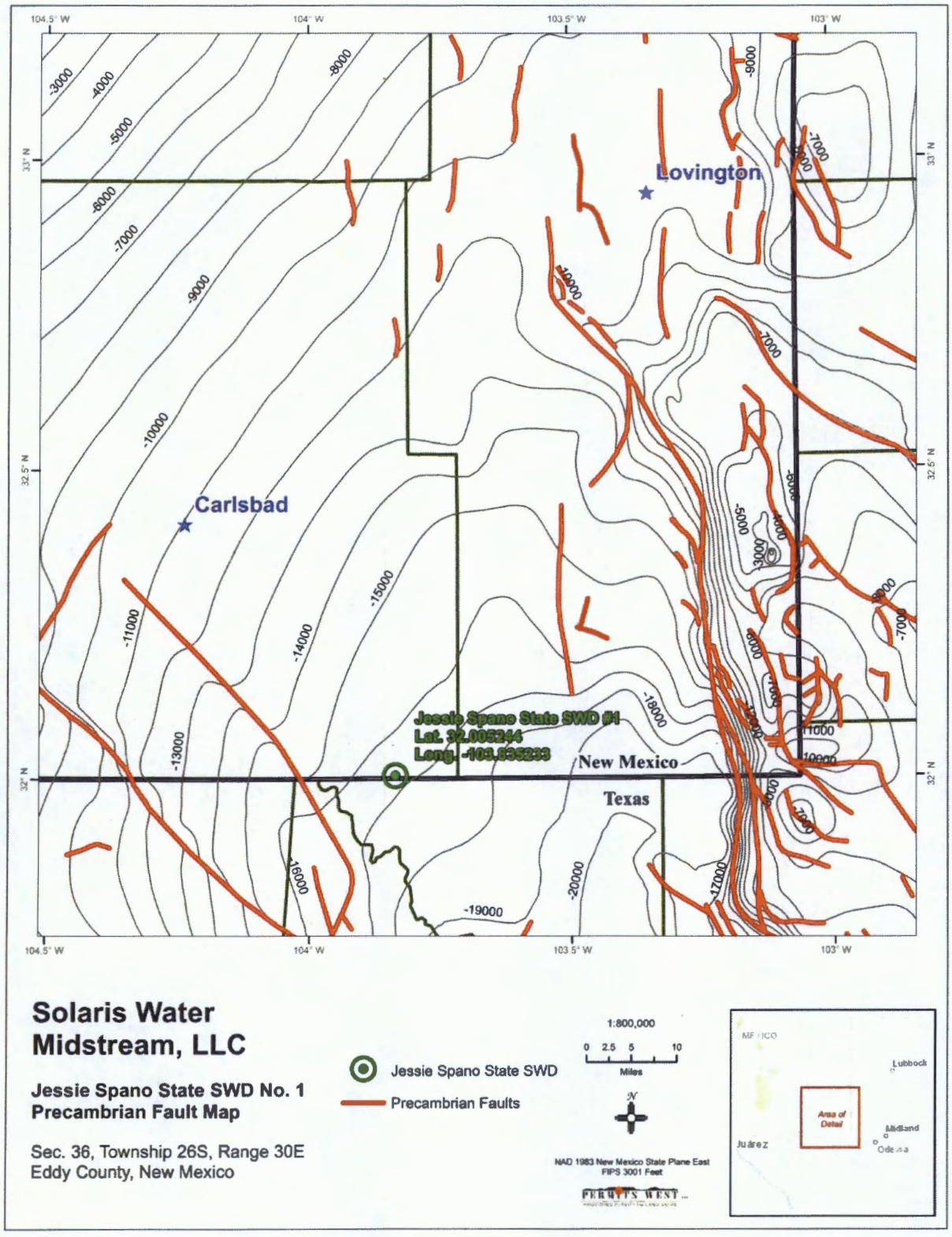

Figure 2. Structural contour map of the Precambrian basement in feet below sea level. Red lines represent the locations of Precambrian basement-penetrating faults (Ewing et al., 1990). The Jessie Spano State SWD #1 well lies ~9 miles east of a deeply penetrating fault.

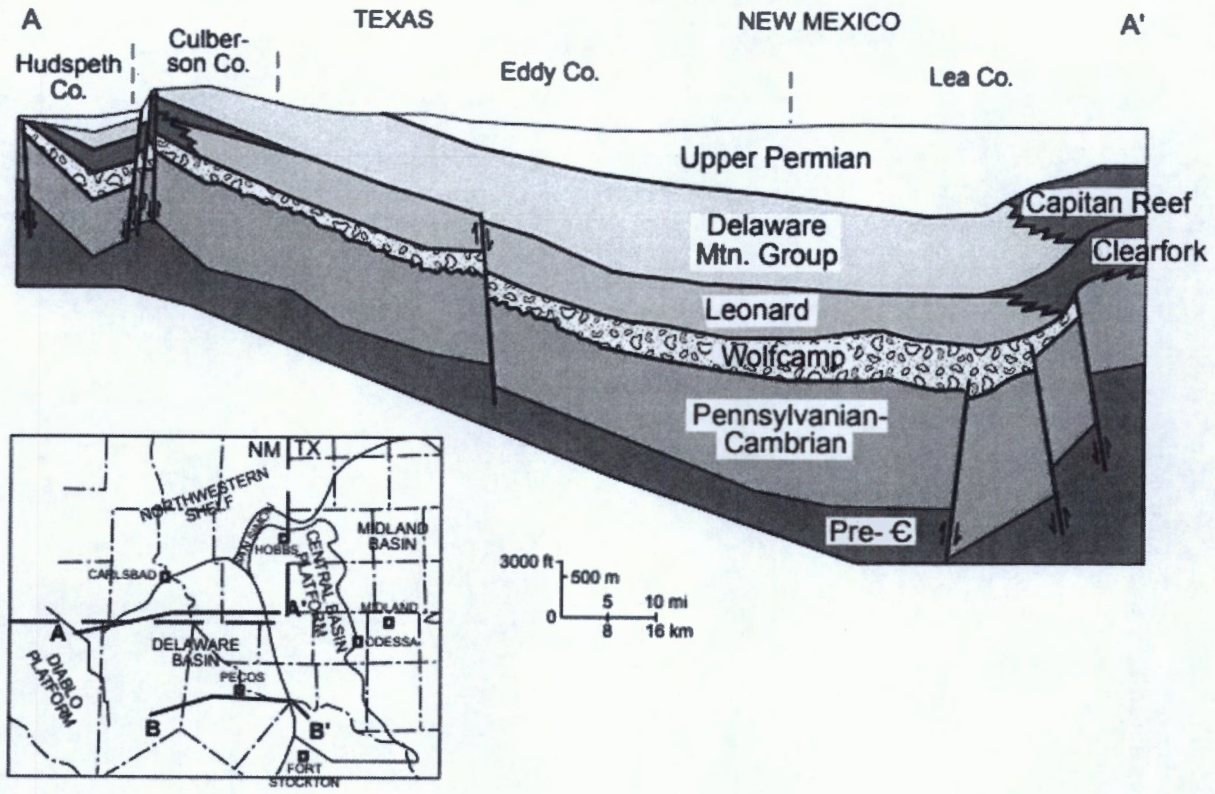

Figure 3. Cross section of the Permian Basin from Montomery (1997). Notice the majority of basement faults only penetrate through the Leonard and deeper formations and therefore cannot act as conduits to the near surface potable water sources.

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)	18000	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)	1600	Proposed injection zone
Porosity (%)	4	
Permeability (mD)	150	
Injection Rate (bbl/day)	30000	Maximum proposed injection rate

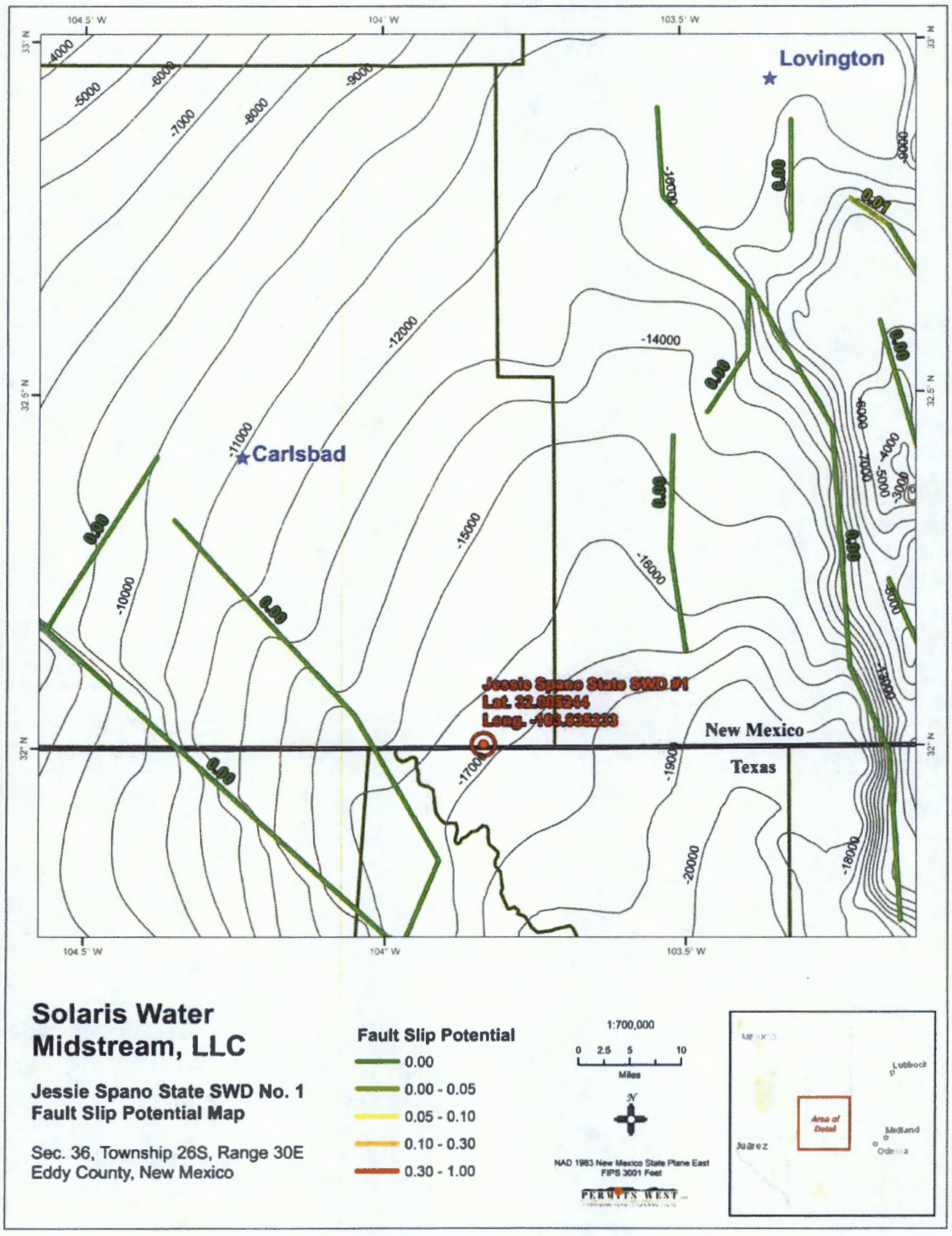

Figure 4. Precambrian fault map of southeastern New Mexico as mapped by Ewing et al. (1990). Faults are colored based on probability of fault slip as modeled using Fault Slip Potential software (Walsh and Zoback, 2016). Labeled values represent the calculated fault slip potential using the parameters indicated in Table 1. Contours show the top of the Precambrian basement in feet below sea level.

References Cited

Comer, J. B., 1991, Stratigraphic Analysis of the Upper Devonian Woodford Formation, Permian Basin, West Texas and Southeastern New Mexico: The University of Texas at Austin, Bureau of Economic Geology, Report of Investigations No. 201, 63 p.

Ewing, T. E., 1990, The tectonic map of Texas: Austin, Bureau of Economic Geology, The University of Texas at Austin.

Frenzel, H. N., Bloomer, R. R., Cline, R. B., Cys, J. M., Galley, J. E., Gibson, W. R., Hills, J. M., King, W. E., Seager, W. R., Kottlowski, F. E., Thompson, S., III, Luff, G. C., Pearson, B. T., and Van Siclen, D. C., 1988, The Permian Basin region, in Sloss, L. L., ed., Sedimentary cover—North American Craton, U.S.: Boulder, Colorado, Geological Society of America, The Geology of North America, v. D-2, p. 261–306.

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Hendrickson, G. E., and Jones, R. S., 1952, Geology and Ground-Water Resources of Eddy County, New Mexico: New Mexico Bureau of Mines and Mineral Resources, Ground-Water Report 3, 179 pp., 6 plates.

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Ikari, M. J.; C. Marone, and D. M. Saffer, 2011, On the relation between fault strength and frictional stability, Geology, 39, 83–86.

Montgomery, S. L., 1997, Permian Bone Spring Formation: Sandstone play in the Delaware basin: Part I. Slope: AAPG Bulletin, v. 81, p. 1239–1258.

Muehlberger, W.R., Belcher, R.C., and Goetz, L.K., 1978, Quaternary faulting in Trans-Pecos Texas: Geology, v. 6, p. 337–340.

Nicholson, A., Jr., and Clebsch, A., Jr., 1961, Geology and ground-water conditions in southern Lea County, New Mexico: New Mexico Bureau of Mines and Mineral Resources, Ground-Water Report 6, 123 pp., 2 plates.

Snee, J.-E.L., Zoback, M.D., 2018, State of stress in the Permian Basin, Texas and New Mexico: Implications for induced seismicity: Leading Edge, v. 37, p. 127–134.

Walsh, F. R., and Zoback, M. D., (2016) Probabilistic assessment of potential fault slip related to injection induced earthquakes: Application to north central Oklahoma, USA, Geology, Data Repository item 2016334, doi:10.1130/G38275.1

Walsh, F. R., Zoback, M. D., Pais, D., Weingarten, M., and Tyrrell, T. (2017) FSP 1.0: A Program for Probabilistic Estimation of Fault Slip Potential Resulting From Fluid Injection, User Guide from the Stanford Center for Induced and Triggered Seismicity, available at SCITS.Stanford.edu/software

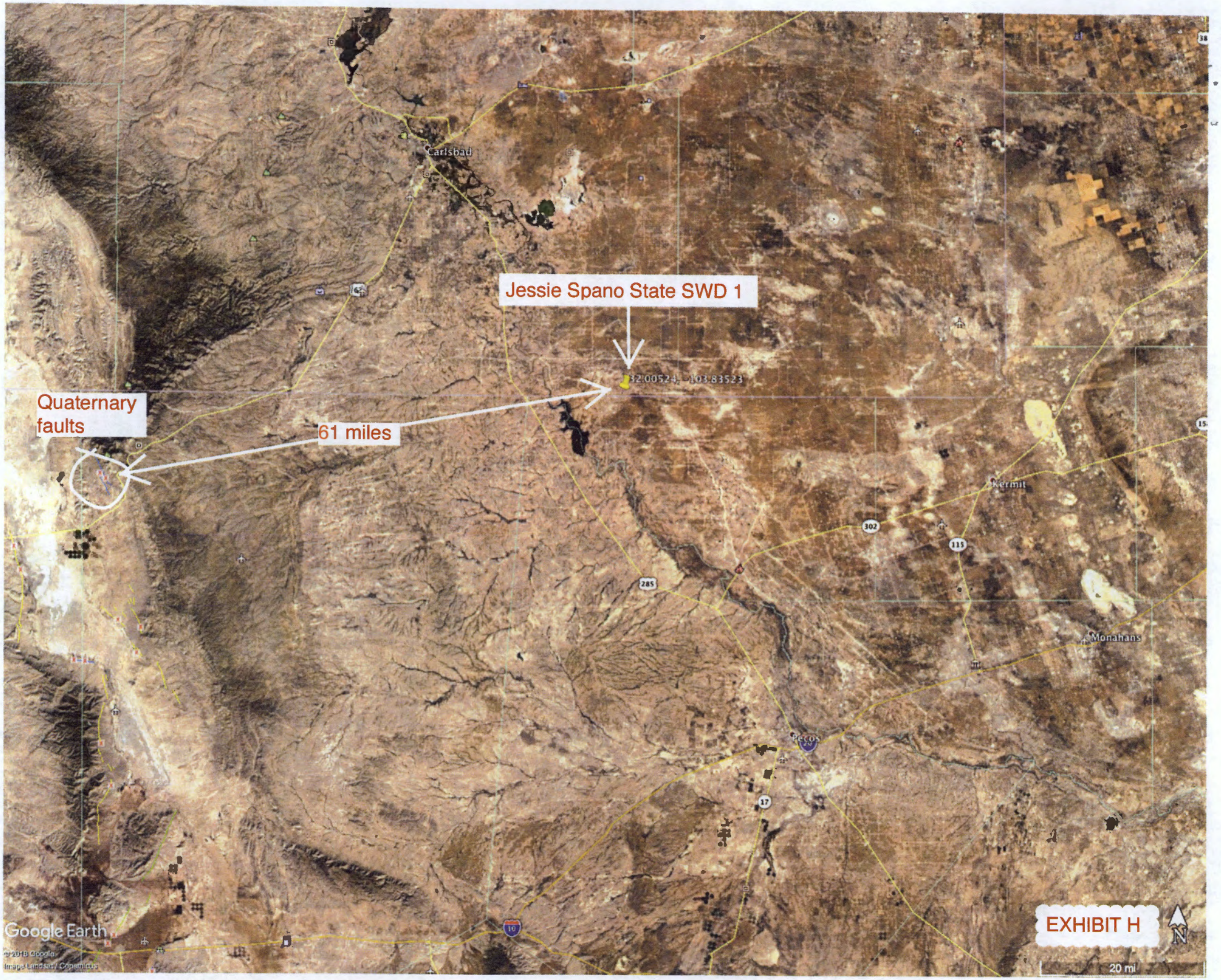
Jessie Spano State SWD 1
32.00524, -103.83523
Quaternary faults
61 miles
Carlsbad
Kermit
Monahans
Pecos
EXHIBIT H
N
20 mi
Google Earth

EXHIBIT I

CARLSBAD
CURRENT-ARGUS

AFFIDAVIT OF PUBLICATION

Ad No.
0001279830

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:

03/12/19

Legal Clerk

Subscribed and sworn before me this
12th of March 2019.

State of WI, County of Brown
NOTARY PUBLIC

9-19-21

My Commission Expires

VICKY FELTY
NOTARY
PUBLIC
STATE OF WISCONSIN

Ad#:0001279830
P O :
# of Affidavits :0.00

Solaris Water Midstream, LLC is applying to drill the Jessie Spano State SWD 1 as a saltwater disposal well. The well is staked at 295 FNL & 2505 FWL Sec. 36, T. 26 S., R. 30 E., Eddy County and is 13 miles northeast of Orla, Texas and 20 miles southeast of Malaga, NM. Disposal will be in the Silurian from 16,689' to 18,167'. Maximum injection pressure will be 3,337 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.
March 12, 2019 #1279830

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

EXHIBIT J

March 18, 2019

NM State Land Office
PO Box 1148
Santa Fe NM 87504

TYPICAL LETTER

Solaris Water Midstrem, LLC is applying (see attached application) to drill its Jessie Spano State 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: Jessie Spano State SWD 1 TD = 18,167'
Proposed Disposal Zone: Devonian from 16,689' to 18,167'
Where: 295' FNL & 2505' FWL Sec. 36, T. 26 S., R. 30 E., Eddy County, NM
Approximate Location: 20 air miles east 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. NMOCD address is 1220 South St. Francis Dr., Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,

Brian Wood

EXHIBIT J

CERTIFIED MAIL® RECEIPT
Domestic Mail Only
For delivery information, visit our website at www.usps.com®.
7018 0680 0001 6412 3391
PECOS NM MAR 19 2019
Aetna Petroleum Corporation
P.O. Box 17006-TA
Denver, CO 80217
Solaris Jesse Spano

CERTIFIED MAIL® RECEIPT
Domestic Mail Only
For delivery information, visit our website at www.usps.com®.
7018 0680 0001 6412 3445
PECOS NM Postmark Here MAR 19 2019
Blanco Holdings I, Ltd.
P.O. Box 36530
Houston, TX 77236
Solaris Jesse Spano

CERTIFIED MAIL® RECEIPT
Domestic Mail Only
For delivery information, visit our website at www.usps.com®.
7018 0680 0001 6412 3452
PECOS NM Postmark Here MAR 19 2019
Burlington Resources Oil & Gas Company, LP
P.O. Box 51810
Midland, TX 79710-1810
Solaris Jesse Spano

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
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For delivery information, visit our website at www.usps.com®.
7018 0680 0001 6412 3469
PECOS NM Postmark Here MAR 19 2019
Amarco Oil Corporation
P.O. Box 10886
Midland, TX 79702
Solaris Jesse Spano

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only
For delivery information, visit our website at www.usps.com®.
7018 0680 0001 6412 3407
PECOS NM Postmark Here MAR 19 2019
Boyd & McWilliams
550 W. Texas #704
Midland, TX 79701
Solaris Jesse Spano

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only
For delivery information, visit our website at www.usps.com®.
7018 0680 0001 6412 3452
PECOS NM Postmark Here MAR 19 2019
C.W. Trainer
P.O. Box 3788
Midland, TX 79702-3788
Solaris Jesse Spano

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only
For delivery information, visit our website at www.usps.com®.
7018 0680 0001 6412 3414
PECOS NM Postmark Here MAR 19 2019
Anadarko E & P Onshore, LLC
P.O. Box 1330
Houston, TX 77251
Solaris Jesse Spano

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only
For delivery information, visit our website at www.usps.com®.
7018 0680 0001 6412 3469
PECOS NM Postmark Here MAR 19 2019
Brazos, LP
P.O. Box 911
Breckenridge, TX 76424
Solaris Jesse Spano

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only
For delivery information, visit our website at www.usps.com®.
7018 0680 0001 6412 3469
PECOS NM Postmark Here MAR 19 2019
Chalfant Operating, Inc.
P.O. Box 3123
Midland, TX 79702
Solaris Jesse Spano

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only
For delivery information, visit our website at www.usps.com®.
7018 0680 0001 6412 3421
PECOS NM Postmark Here MAR 19 2019
Attwell Interest, Inc
P.O. Box 27225
Houston, TX 77227
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Carlsbad, NM 88220
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4131 N. Central Expressway
Dallas, TX 75204
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Burlington Resources Oil & Gas Company
601 Cherry Street, Suite 900
Fort Worth, TX 76102
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Charlotte Williamson
P.O. Box 50410
Austin, TX 78763
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Chesapeake Permian LP
6100 N. Western Avenue
Oklahoma City, OK 73118
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1400 Smith Street
Houston, TX 77002
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Chevron U.S.A., Inc.
6301 Deauville Blvd
Midland, TX 79706
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Chisos Minerals, LLC
1111 Bagby Street, Suite 2150
Houston, TX 77002
Solaris Jesse Spano

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Claco Oil Company
13 Havenhill Road
Artesia, NM 88210
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COG Operating, LLC
600 W. Illinois Avenue
Midland, TX 79701-4882
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Cokinos Energy Corporation
5718 Westheimer Road, Suite 900
Houston, TX 77057-5757
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Costilla Energy
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Dana C. Dunn
Energen Resources Corporation
605 Richardson Arrington, Jr. Blvd,
North Birmingham, AL 35202
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David Barr and Lisa Barr
1885 Antioch Road
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Dominion Oklahoma Texas
Exploration & Production, Inc.
1400 Quail Springs Parkway #600
Oklahoma City, OK 73134
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301 Commerce Street
Fort Worth, TX 76102
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7018 0680 0001 6412 3742
Total Postage and Fees: EOG Resources, Inc.
PO Box 2267
Midland, TX 79702
Sent To: Solaris Jesse Spano

7018 0680 0001 6412 3742
Total Postage and Fees: Eurampex Industries
12001 N. Central Expressway
Dallas, TX 75243
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7018 0680 0001 6412 3704
Total Postage and Fees: Duer-Wagner, III
301 Commerce Street, Suite 2930
Fort Worth, TX 76102
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7018 0680 0001 6412 3704
Total Postage and Fees: EOG Resources, Inc.
P.O. Box 4362
Houston, TX 77210-4362
Sent To: Solaris Jesse Spano

7018 0680 0001 6412 3759
Total Postage and Fees: Finwing Corporation
P.O. Box 10886
Midland, TX 79702
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7018 0680 0001 6412 3711
Total Postage and Fees: E G L Exploration, LP
P.O. Box 10886
Midland, TX 79702-7886
Sent To: Solaris Jesse Spano

7018 0680 0001 6412 3711
Total Postage and Fees: EOG A Resources, Inc.
105 S. 4th Street
Artesia, NM 88210-2177
Sent To: Solaris Jesse Spano

7018 0680 0001 6412 3766
Total Postage and Fees: Flat Creek Resources LLC
777 Main St STE 3500
Fort Worth TX 76105
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Total Postage and Fees: Energen Resources Corporation
3510 N. A Street
Midland, TX 79705
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7018 0680 0001 6412 3728
Total Postage and Fees: EOG M Resources, Inc.
105 S. 4th Street
Artesia, NM 88210-2177
Sent To: Solaris Jesse Spano

7018 0680 0001 6412 3773
Total Postage and Fees: Geodyne Nominee Corporation
2 W. Second Street, Samson Plaza
Tulsa, OK 74103
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7018 0680 0001 6412 3735
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333 Clay Street #4200
Houston, TX 77002
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7018 0680 0001 6412 3735
Total Postage and Fees: EOG Y Resources, Inc.
105 S. 4th Street
Artesia, NM 88210-2177
Sent To: Solaris Jesse Spano

7018 0680 0001 6412 3780
Total Postage and Fees: George M. Ragsdale, Trustee
7887 San Felipe #122
Houston, TX 77063
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7018 0680 0001 6412 3841
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24 Horseshoe Drive
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7018 0680 0001 6412 3858
Total Postage and Fees: Hardeman Stonestreet
2091 E. Murray
Salt Lake City, UT 84117
Sent To: Solaris Jesse Spano

7018 0680 0001 6412 3865
Total Postage and Fees: Hawkins Oil & Gas, Inc.
400 S. Boston #800
Tulsa, OK 74103
Sent To: Solaris Jesse Spano

7018 0680 0001 6412 3872
Total Postage and Fees: Huie Marsha Cope
3502 Marymont Drive
San Antonio, TX 78217-3412
Sent To: Solaris Jesse Spano

7018 0680 0001 6412 3889
Total Postage and Fees: I G A Energy, Inc.
P.O. Box 233
Odessa, TX 79760-0233
Sent To: Solaris Jesse Spano

7018 0680 0001 6412 3841
Total Postage and Fees: I P Petroleum Company, Inc.
P.O. Box 4258
Houston, TX 77210
Sent To: Solaris Jesse Spano

7018 0680 0001 6412 3858
Total Postage and Fees: J.C. Williamson
214 W. Texas Avenue
Suite 1250
Midland, TX 79701-4836
Sent To: Solaris Jesse Spano

7018 0680 0001 6412 3865
Total Postage and Fees: J.C. Williamson
PO Box 16
Midland, TX 79702
Sent To: Solaris Jesse Spano

7018 0680 0001 6412 3872
Total Postage and Fees: J.C. Williamson Family Trust
PO Box 16
Midland, TX 79702
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7018 0680 0001 6412 3889
Total Postage and Fees: Jackie Treiner
P.O. Box 754
Midland, TX 79702
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7018 0680 0001 6412 3896
Total Postage and Fees: John A. Wenk
6222 Sugar Hill Drive
Houston, TX 77057
Sent To: Solaris Jesse Spano

7018 0680 0001 6412 3902
Total Postage and Fees: K-P Acquisition Corporation
500 W. Texas, #1450
Midland, TX 79701
Sent To: Solaris Jesse Spano

7018 0680 0001 6412 3919
Total Postage and Fees: Kerry Petroleum Company
500 W. Texas, #1450
Midland, TX 79701
Sent To: Solaris Jesse Spano

7018 0680 0001 6412 3926
Total Postage and Fees: Kevin H. Yung
2516 Branch Oaks Lane
Flower Mound, TX 75028
Sent To: Solaris Jesse Spano

7018 0680 0001 6412 3933
Total Postage and Fees: Khody Land & Minerals Company
210 Park Avenue, Suite 900,
Oklahoma City, OK 73102
Sent To: Solaris Jesse Spano

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KP Acquisition Corporation
500 W. Texas, Suite 1450
Midland, TX 79701
Solaris Jesse Spano

7018 0680 0001 6412 3995
Postmark Here: PECOS NM MAR 19 2019
Lynx Petro Consultants, Inc.
P.O. Box 1708
Hobbs, NM 88241-1708
Solaris Jesse Spano

7018 0680 0001 6412 4046
McRae & Henry, Ltd.
730 17th Street, #920
Denver, CO 80202-3520
Solaris Jesse Spano

7018 0680 0001 6412 4008
Postmark Here: MAR 19 2019
KP Acquisition Corporation
2040 Murray Holladay
Salt Lake City, UT 84117
Solaris Jesse Spano

7018 0680 0001 6412 4008
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Magnum Hunter Production, Inc.
202 S. Cheyenne Avenue
Suite 1000
Tulsa, OK 74103-3001
Solaris Jesse Spano

7018 0680 0001 6412 4053
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Meridian Oil Inc.
P.O. Box 51810
Midland, TX 79710
Solaris Jesse Spano

7018 0680 0001 6412 4015
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Lois G. Williamson
P.O. Box 16
Midland, TX 79702
Solaris Jesse Spano

7018 0680 0001 6412 4015
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Manta Oil and Gas Corporation
P.O. Box 10886
Midland, TX 79702
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7018 0680 0001 6412 4060
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Mewbourne Oil Co
P.O. Box 5270
Hobbs, NM 88241
Solaris Jesse Spano

7018 0680 0001 6412 4022
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Louis Dreyfus Natural Gas Corp
14000 Quail Springs Parkway #600
Oklahoma City, OK 73134
Solaris Jesse Spano

7018 0680 0001 6412 4022
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Marbob Energy Corporation
P.O. Box 227
Artesia, NM 88211-0227
Solaris Jesse Spano

7018 0680 0001 6412 4077
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Mid-Continent Energy
100 W. 5th Street, #450
Tulsa, OK 74103-4287
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7018 0680 0001 6412 4039
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Loving County Minerals, LP
111 West 75th Street
Kansas City, MO 64114
Solaris Jesse Spano

7018 0680 0001 6412 4039
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Marshall & Winston, Inc.
P.O. Box 50880
Midland, TX 79710-0880
Solaris Jesse Spano

7018 0680 0001 6412 4084
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Mobil Producing Texas & New Mexico, Inc.
12450 Greenspoint Drive
Houston, TX 77060
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7018 0680 0001 6412 4145
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Total Postage and Fees: Oxy-Y-1-Company, 5 Greenway Plaza, Houston, TX 77046
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7018 0680 0001 6412 4190
Postmark Here MAR 19 20
Total Postage and Fees: Rick Carlisle and Dee Ann Carlisle, 2626 Noel Avenue, Midland, TX 79705
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7018 0680 0001 6412 4152
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Sent To: Solaris Jesse Spano

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Sent To: Solaris Jesse Spano

7018 0680 0001 6412 4183
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Total Postage and Fees: Rebekah S. West, 4302 Lanham Street, Midland, TX 79705
Sent To: Solaris Jesse Spano

7018 0680 0001 6412 4237
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7018 0680 0001 6412 4299
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Seeligson Oil Company
808 Travis Street #2200
Houston, TX 77002
Solaris Jesse Spano

7018 0680 0001 6412 4305
PECOS NM
MAR 19 2019
Starck Family, Ltd.
P.O. Box 10886
Midland, TX 79702
Solaris Jesse Spano

7018 0680 0001 6412 4350
MAR 19 2019
Three Rivers Acquisition LLC
1122 S. Capital of Texas Hwy
Austin, TX 78746
Solaris Jesse Spano

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SES Oil and Gas, Inc.
P.O. Box 10886
Midland, TX 79702
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7018 0680 0001 6412 4312
Subsurface Investments, LP
7887 San Felipe #122
Houston, TX 77063
Solaris Jesse Spano

7018 0680 0001 6412 4367
MAR 19 2019
Tiburon Oil & Gas, Inc.
P.O. Box 10886
Midland, TX 79702
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Shale Energy, LLC
P.O. Box 1228
Santa Rosa Beach, FL 32459
Solaris Jesse Spano

7018 0680 0001 6412 4374
MAR 19 2019
SW Comm Income Drill
P.O. Box 11390
Midland, TX 79702
Solaris Jesse Spano

7018 0680 0001 6412 4374
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Tom M. Ragsdale
P.O. Box 10303
Midland, TX 79702
Solaris Jesse Spano

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Shield Development Corporation
P.O. Box 1700
Coldspring, TX 77331
Solaris Jesse Spano

7018 0680 0001 6412 4336
MAR 19 2019
Tap Rock Operating, LLC
602 Park Point Drive, Suite 200
Golden, CO 80401
Solaris Jesse Spano

7018 0680 0001 6412 4336
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Tracy Anderson
P.O. Box 2027
Granbury, TX 76048
Solaris Jesse Spano

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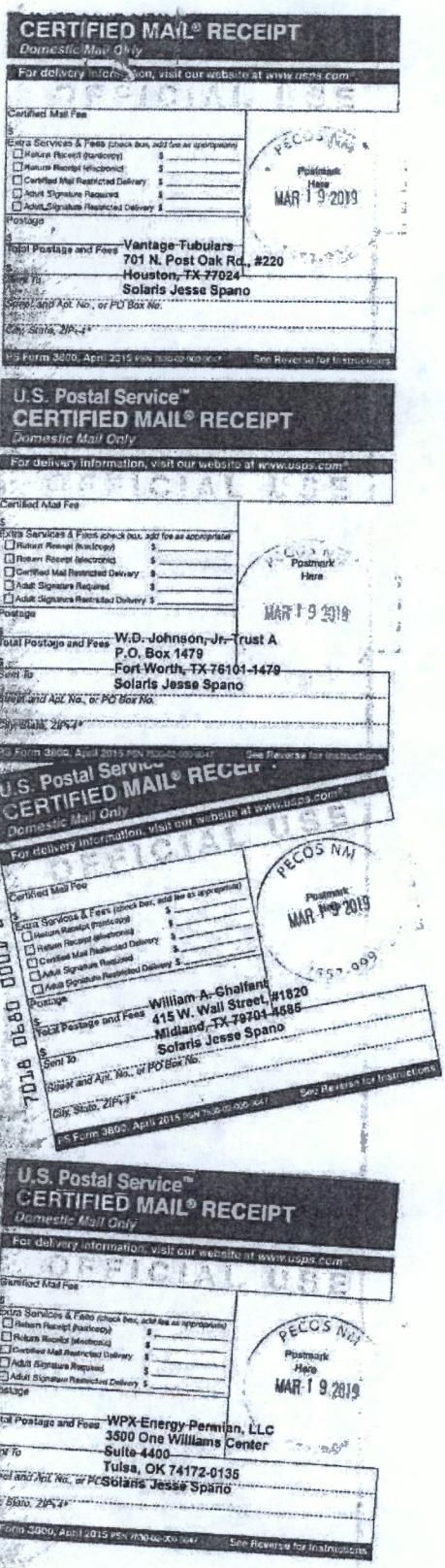
7018 0680 0001 6412 4343
Siana Operating, LLC
P.O. Box 10303
Midland, TX 79702
Solaris Jesse Spano

7018 0680 0001 6412 4343
Texas Pacific Land & Trust
1700 Pacific Avenue, Suite 2770
Suite 325
Dallas, TX 75201
Solaris Jesse Spano

7018 0680 0001 6412 4398
MAR 19 2019
Trieg Energy Investments
P.O. Box 10886
Midland, TX 79702
Solaris Jesse Spano



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Vantage Tubulars
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Houston, TX 77024
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W.D. Johnson, Jr. Trust A
P.O. Box 1479
Fort Worth, TX 76101-1479
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William A. Ghalfant
415 W. Wall Street, #1820
Midland, TX 79701-4585
Solaris Jesse Spano

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WPX Energy Permian, LLC
3500 One Williams Center
Suite 4400
Tulsa, OK 74172-0135
Solaris Jesse Spano

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