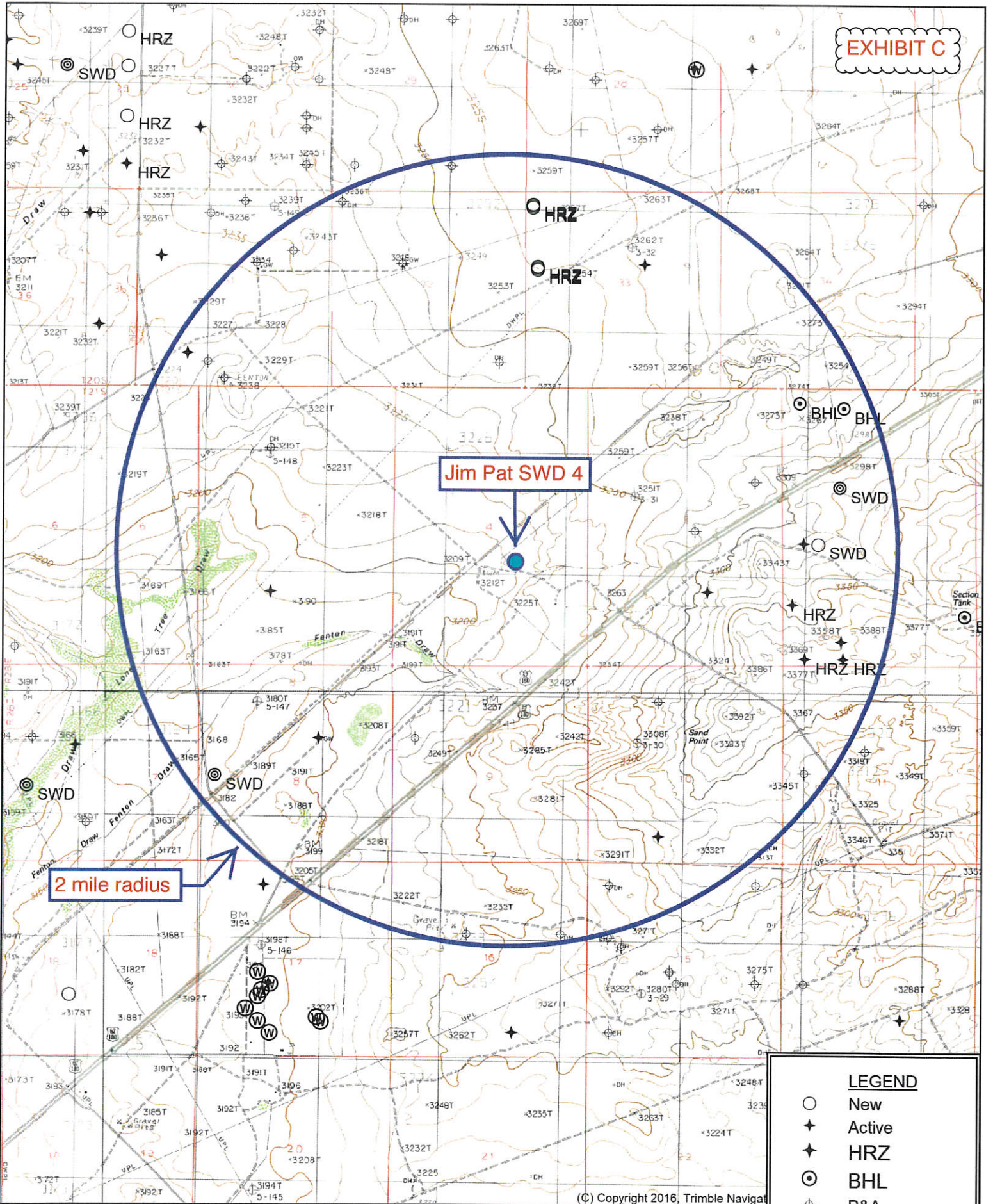


Additional

Information

Part II



Jim Pat SWD 4

2 mile radius

LEGEND

- New
- ✦ Active
- ✦ HRZ
- ⊙ BHL
- ⊕ P&A
- ⊙ INJ
- ⊙ SWD
- ⊙ Brine

(C) Copyright 2016, Trimble Navigat



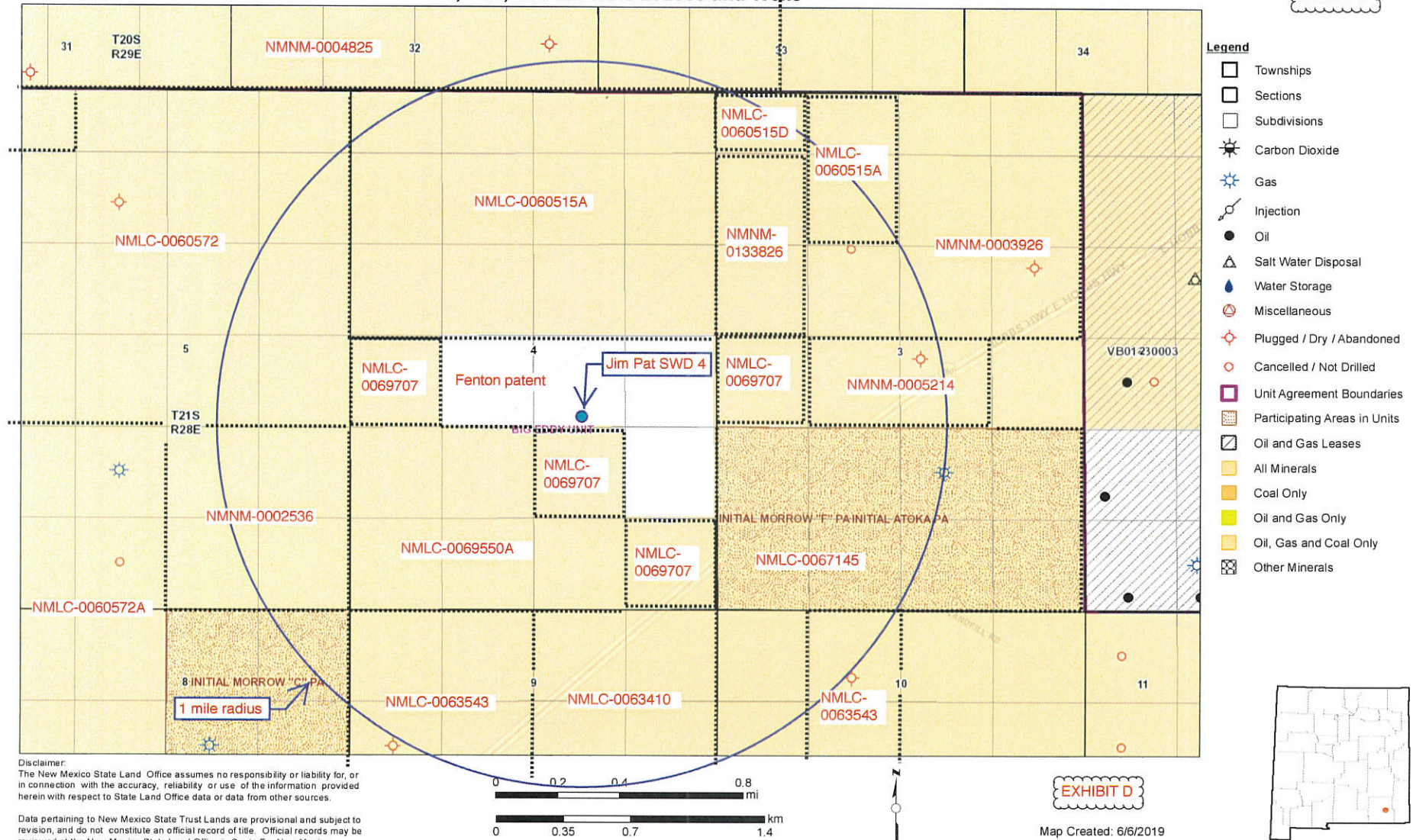
Quad: ARTESIA
Scale: 1 inch = 3,333 ft.



New Mexico State Land Office

Oil, Gas, and Minerals Leases and Wells

EXHIBIT D



JIM PAT SWD 4 AREA OF REVIEW LEASES

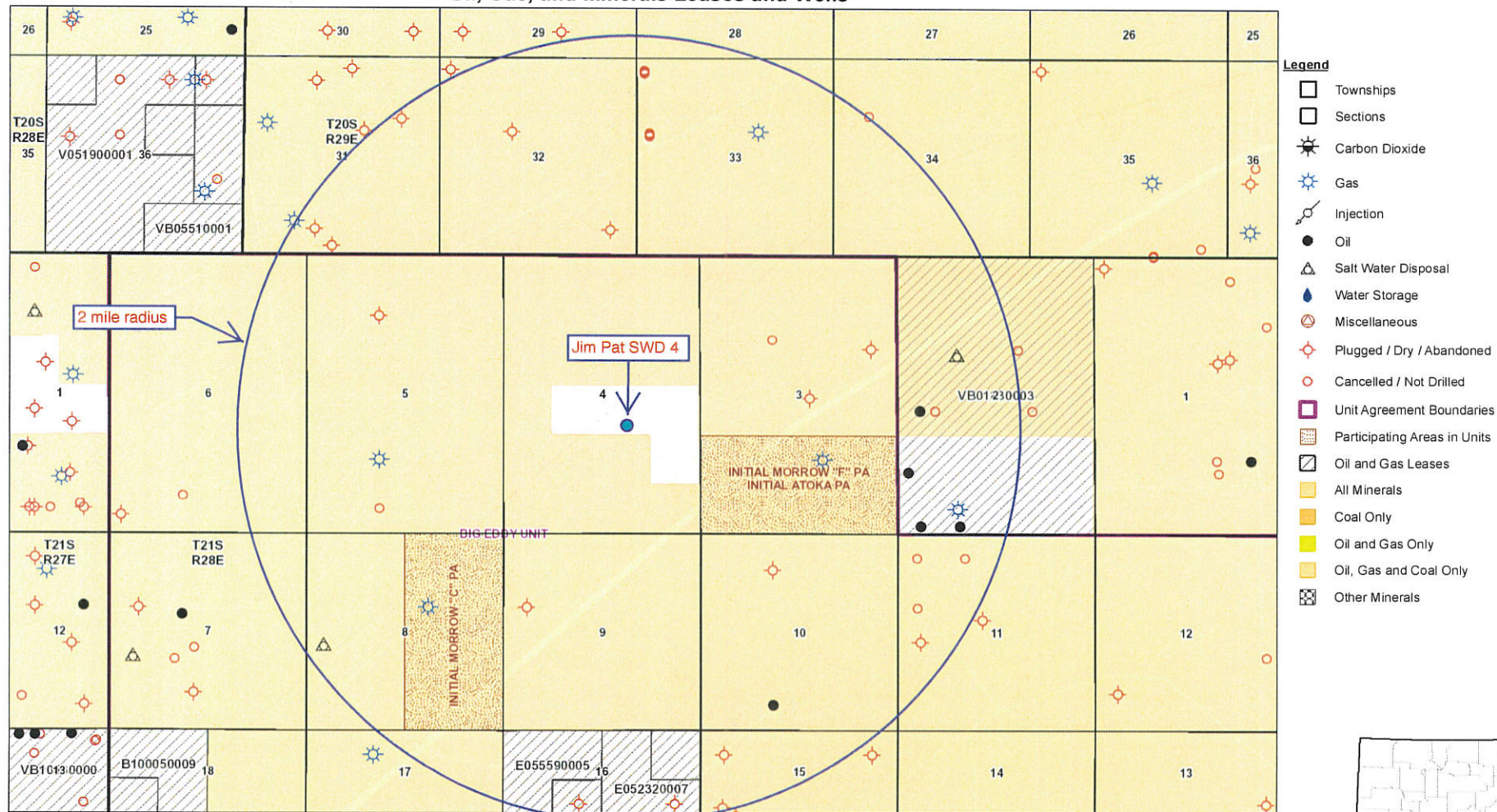
Aliquot Parts in Area of Review	Lessor	Lease	Lessee(s) of Record	Operators (all shallower than Devonian)
T. 20 S., R. 29 E.				
S2SE4 Sec. 32	BLM	NMNM-0004825	Trigg	N/A
S2SW4 Sec. 33	BLM	NMNM-0004825	Trigg	N/A
T. 21 S., R. 28 E.				
Lots 7, 10, & 11 Sec. 3	BLM	NMNM-0003926	Thru Line	XTO Permian Op.
Lots 3 & 6 Sec. 3	BLM	NMLC-0060515A	Thru Line	XTO Permian Op.
Lot 4 Sec. 3	BLM	NMLC-0060515D	Marshall & Winston	XTO Permian Op.
Lots 5 & 12 Sec. 3	BLM	NMNM-0133826	Occidental Permian	XTO Permian Op.
Lot 13 Sec. 3	BLM	NMLC-0069707	Thru Line	XTO Permian Op.
Lots 14 & 15 Sec. 3	BLM	NMNM-0005214	Thru Line	XTO Permian Op.
SW4 & W2SE4 Sec. 3	BLM	NMLC-0067145	Thru Line	XTO Permian Op.
Lots 1-12 Sec. 4	BLM	NMLC-0060515A	Thru Line	N/A
Lot 13 Sec. 4	BLM	NMLC-0069707	Thru Line	N/A
Lots 14-16 & NESE Sec. 4	fee	Fenton	San Mateo Stebbins	N/A
NWSE & SESE Sec. 4	BLM	NMLC-0069707	Thru Line	N/A
SW4 & SWSE Sec. 4	BLM	NMLC-0069550A	Thru Line	N/A
Lots 1, 8-10, 15, & 16 Sec. 5	BLM	NMLC-0060572	N. Conrow and B. & R. Trigg	N/A
SE4 Sec. 5	BLM	NMNM-0002536	Thru Line	XTO Permian Op.
NENE Sec. 8	BLM	NMLC-0060572A	Thru Line	XTO Permian Op.
NE4 Sec. 9	BLM	NMLC-0063410	Thru Line	N/A
NW4 Sec. 9	BLM	NMLC-0063543	Thru Line	N/A
E2NW4 Sec. 10	BLM	NMLC-0063543	Thru Line	N/A
W2NW4 Sec. 10	BLM	NMLC-0067145	Thru Line	N/A
all Sections 3-10	BLM	NMNM-068294X	BEPCO	XTO Permian Op.



New Mexico State Land Office

EXHIBIT E

Oil, Gas, and Minerals Leases and Wells



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.

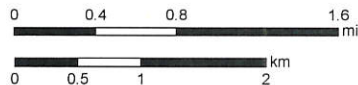
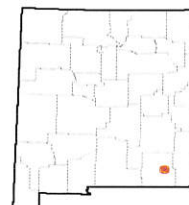


EXHIBIT E

Map Created: 6/6/2019



April 18, 2019



FESCO, Ltd.
1100 FESCO Ave. - Alice, TX 78332



For: Matador Production Company
One Lincoln Centre
5400 LBJ Freeway, Suite 1500
Dallas, Texas 75240

Field: N/A
County: Eddy, New Mexico

Sample: Stebbins 20 Federal No. 123H (2nd Bone)
Type: Separator Water
Formation: N/A
Depth (Ft): N/A

Date: 4/4/2019
Time: 16:55

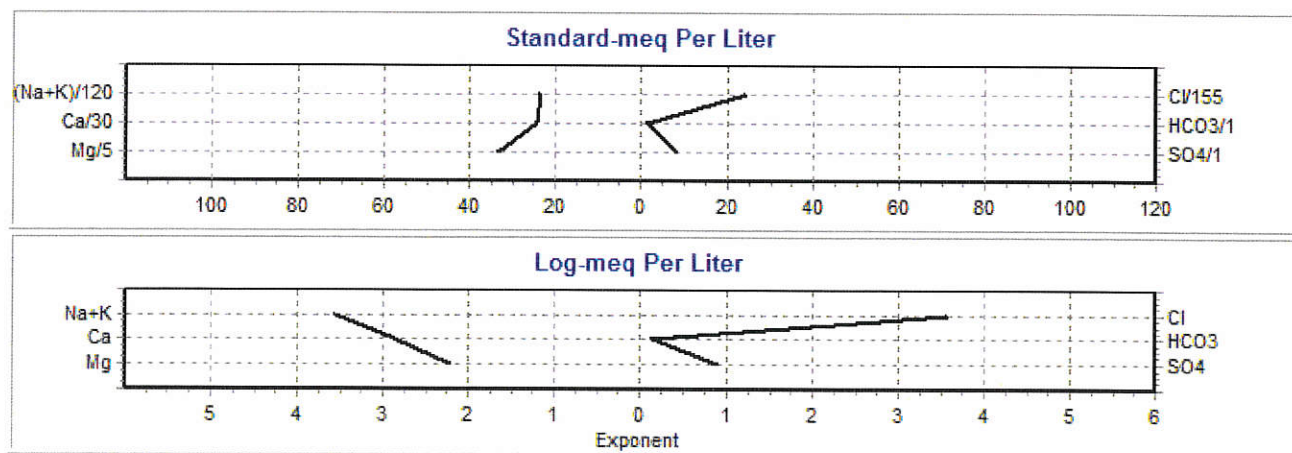
REPORT OF WATER ANALYSIS

***** Dissolved Solids *****

	mg/L	meq/L
Sodium (Na)	64031.00	2785.17
Calcium (Ca)	14773.00	737.18
Magnesium (Mg)	2020.00	166.12
Barium (Ba)	0.95	0.01
Potassium (K)	1584.00	40.51
Iron (Fe)	14.30	---
Chloride (Cl)	134000.00	3779.97
Sulfate (SO4)	388.00	8.08
Carbonate (CO3)	0.00	0.00
Bicarbonate(HCO3)	85.00	1.39
Hydroxide (OH)	0.00	0.00
Sulfide (H2S)	0.00	
Total Solids	216896	
Total Alkalinity (CaCO3)	70	
Total Hardness (CaCO3)	45228	

***** Other Properties *****

pH ----- 5.69
Specific Gravity @ 60/60 °F ----- 1.150
Resistivity (Ohm-meters @ 77.0 °F) ----- 0.039



Certified: FESCO, Ltd. - Alice, Texas

David Dannhaus

David Dannhaus 361-661-7015

April 18, 2019



FESCO, Ltd.
1100 FESCO Ave. - Alice, TX 78332



For: Matador Production Company
One Lincoln Centre
5400 LBJ Freeway, Suite 1500
Dallas, Texas 75240

Field: N/A
County: Eddy, New Mexico

Sample: Stebbins 20 Federal No. 134H (3rd Bone)
Type: Separator Water
Formation: N/A
Depth (Ft): N/A

Date: 4/4/2019
Time: 16:50

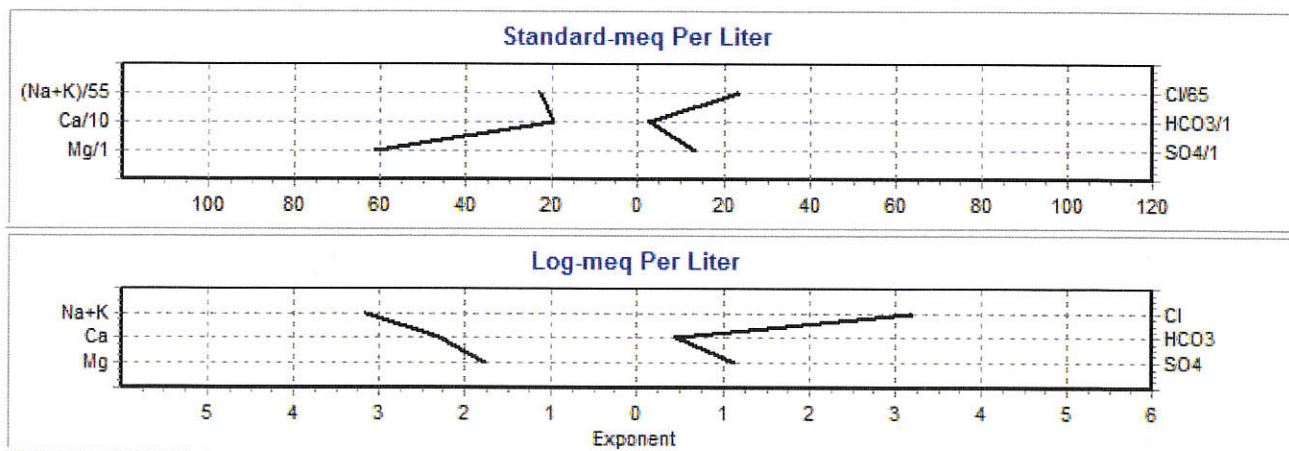
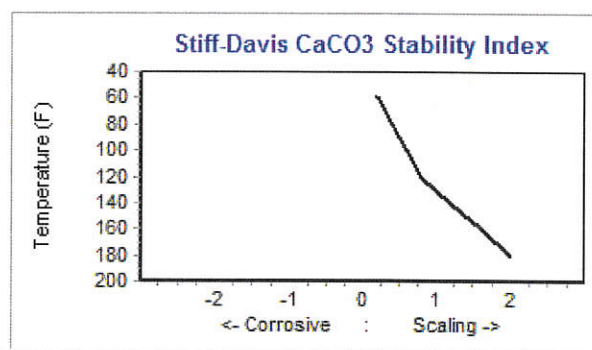
REPORT OF WATER ANALYSIS

***** Dissolved Solids *****

	mg/L	meq/L
Sodium (Na)	28625.00	1245.11
Calcium (Ca)	3992.00	199.20
Magnesium (Mg)	739.00	60.77
Barium (Ba)	1.64	0.02
Potassium (K)	630.00	16.11
Iron (Fe)	0.11	---
Chloride (Cl)	54400.00	1534.56
Sulfate (SO4)	650.00	13.53
Carbonate (CO3)	0.00	0.00
Bicarbonate(HCO3)	179.00	2.93
Hydroxide (OH)	0.00	0.00
Sulfide (H2S)	0.00	
Total Solids	89217	
Total Alkalinity (CaCO3)	147	
Total Hardness (CaCO3)	13010	

***** Other Properties *****

pH ----- 7.25
Specific Gravity @ 60/60 °F ----- 1.060
Resistivity (Ohm-meters @ 77.0 °F) ----- 0.084



Certified: FESCO, Ltd. - Alice, Texas

David Dannhaus

David Dannhaus 361-661-7015

October 1, 2018



FESCO, Ltd.
1100 FESCO Ave. - Alice, TX 78332

EXHIBIT F

For: Matador Production Company
One Lincoln Centre
5400 LBJ Freeway, Suite 1500
Dallas, Texas 75240

Field: N/A
County: Eddy, New Mexico

Sample: Stebbins 20 Federal No. 204H (Wolfcamp)
Type: Separator Water
Formation: N/A
Depth (Ft): N/A

Date: 9/24/2018
Time: N/A

REPORT OF WATER ANALYSIS

***** Dissolved Solids *****

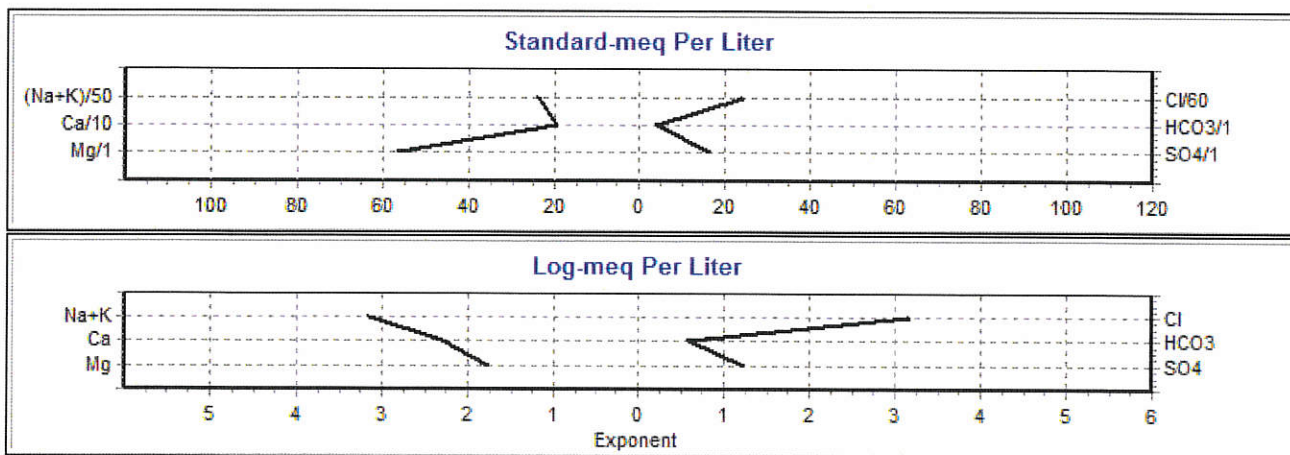
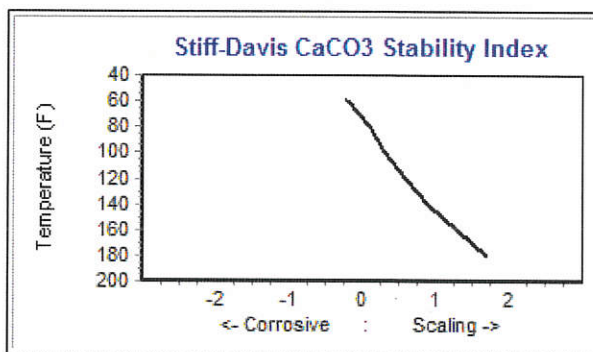
	mg/L	meq/L
Sodium (Na)	26937.00	1171.68
Calcium (Ca)	3920.00	195.61
Magnesium (Mg)	681.00	56.00
Barium (Ba)	1.20	0.02
Potassium (K)	651.00	16.65
Iron (Fe)	9.93	---

Chloride (Cl)	51200.00	1444.29
Sulfate (SO4)	788.00	16.41
Carbonate (CO3)	0.00	0.00
Bicarbonate (HCO3)	240.00	3.93
Hydroxide (OH)	0.00	0.00

Sulfide (H2S)	0.00
Total Solids	84428
Total Alkalinity (CaCO3)	197
Total Hardness (CaCO3)	12609

***** Other Properties *****

pH ----- 6.87
Specific Gravity @ 60/60 °F ----- 1.055
Resistivity (Ohm-meters @ 77.0 °F) ----- 0.085



Certified: FESCO, Ltd. - Alice, Texas

David Dannhaus

David Dannhaus 361-661-7015

PRODUCED WATER ANALYSES (mg/l)

API	Section	Township	Range	UL	Formation	TDS	Chloride	Bicarbonate	Sulfate
3001510002	2	20S	29E	E	ARTESIA	23528	8526	2416	4466
3001503642	11	20S	29E	K	ARTESIA	29411	14350	1578	2808
3001503642	11	20S	29E	K	ARTESIA	28684	17030	61	612
3001503645	13	20S	29E	C	ARTESIA	26017	12160	1622	3042
3001502475	36	21S	28E	C	ATOKA	50026	29200	762	1150
3001502475	36	21S	28E	C	ATOKA	31911	18000	1220	887
3001524707	7	21S	28E	F	DELAWARE	153408	103522	719	248
3001521715	35	21S	28E	F	DELAWARE	149252	99299	267	2082
3001521853	35	21S	28E	L	DELAWARE	146197	96177	400	1764
3001522229	35	21S	28E	K	DELAWARE	148805	99247	335	1729
3001522671	35	21S	28E	N	DELAWARE	144959	95968	200	1883
3001522673	35	21S	28E	O	DELAWARE	163756	110195	135	1662
3001524968	35	21S	28E	E	DELAWARE	136419	89021	398	1682
3001527939	27	20S	29E	E	DELAWARE/ WOLFCAMP	189739	116724	427	750
3001502475	36	21S	28E	C	DEVONIAN	16223	7000	1030	2290
3001502475	36	21S	28E	C	DEVONIAN	19941	10700	640	1130
3001503625	2	20S	29E	O	MORROW	31170			
3001510044	24	20S	29E	M	MORROW	11718	4466	1634	1441
3001510044	24	20S	29E	M	MORROW	31191	18540	188	1318
3001524722	11	20S	29E	F	STRAWN		77532	244	13
3001523698	11	20S	29E	H	STRAWN	117276	72846	146	50
3001526762	12	20S	29E	C	STRAWN	113541	69864	171	13
3001526697	28	20S	29E	H	STRAWN	90201	55380	244	13
3001520008	32	20S	29E	P	STRAWN	108466	66700	146	270
3001520008	32	20S	29E	P	STRAWN	99199	61300	146	180



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

EXHIBIT G

(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	DepthWell	DepthWater	Water Column
C 03266 POD1		CUB	ED	3	4	4	04	21S	28E	585844	3596555*	800	260	80	180
C 03267 POD1		CUB	ED	4	3	3	04	21S	28E	584833	3596541*	1039	52	40	12

Average Depth to Water: **60 feet**

Minimum Depth: **40 feet**

Maximum Depth: **80 feet**

Record Count: 2

UTM NAD83 Radius Search (in meters):

Easting (X): 585545

Northing (Y): 3597298

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.

5/16/19 8:24 AM

WATER COLUMN/ AVERAGE DEPTH TO
WATER





C 03266



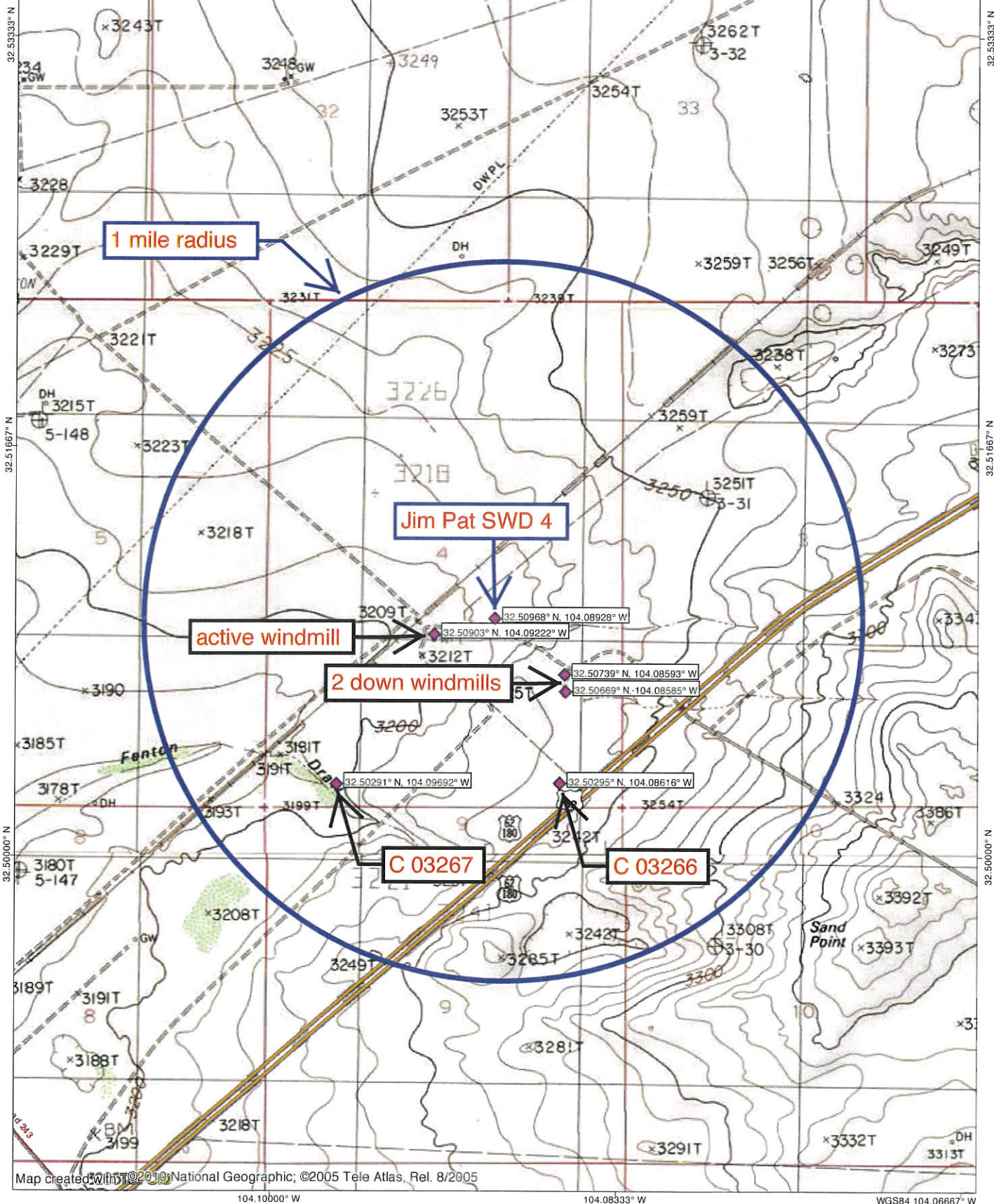
C 03267

TOPO! map printed on 06/09/19 from "Untitled.tpo"

104.10000° W

104.08333° W

WGS84 104.06667° W



San Mateo Stebbins Water Management, LLC

One Lincoln Centre • 5400 LBJ Freeway • Suite 1500 • Dallas, Texas 75240

Voice 972.371.5200 • Fax 972.371.5201

jharrington@matadorresources.com

Jake Harrington
Senior Geologist

April 26, 2019

NM Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, NM 87505

Re: Geology Statement
Jim Pat SWD #4
Section 4, T. 21S, R. 28E
Eddy County, New Mexico

To whom it may concern:

Available geologic and engineering data related to the proposed Well have been thoroughly reviewed, and no evidence for a hydrological connection between the proposed deep Devonian injection zone, located at approximately 13,093 ft., and any underground sources of drinking water has been found.

Sincerely,
San Mateo Stebbins Water Management, LLC



Jake Harrington