

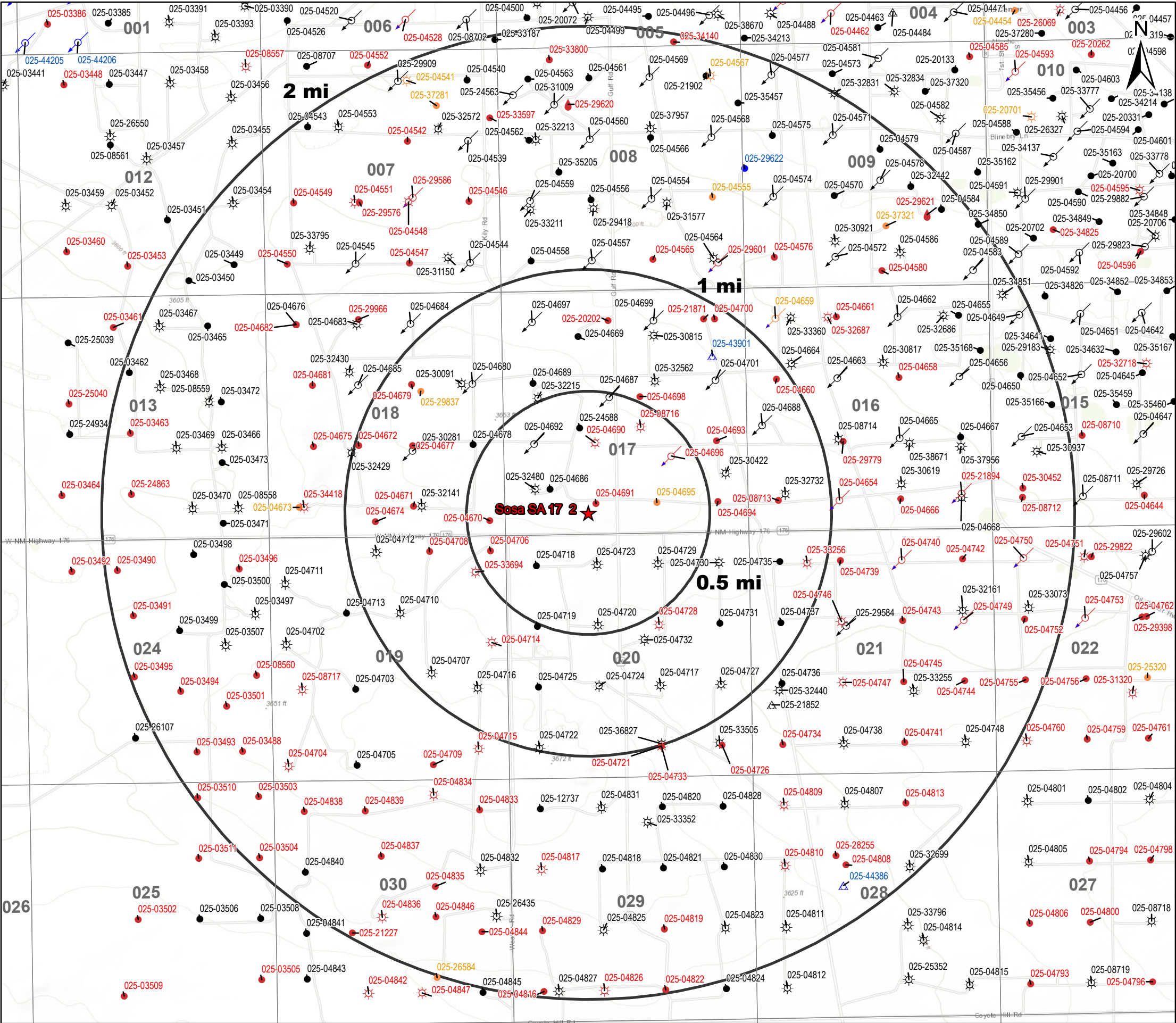
Application

Part *II*

Attachment 2

Area of Review Information:

- 2-mile Oil & Gas Well Map
- 2-mile Lease Map
- 1/2-mile Well Detail List
- Potash Lease Map



Legend

- ★ Proposed SWD
- ☀ Gas, Active (113)
- ☀ Gas, Plugged (31)
- ☀ Gas, Temporarily Abandoned (3)
- ↻ Injection, Active (59)
- ↻ Injection, New (4)
- ↻ Injection, Plugged (13)
- ↻ Injection, Temporarily Abandoned (1)
- Oil, Active (106)
- Oil, New (1)
- Oil, Plugged (111)
- Oil, Temporarily Abandoned (9)
- △ Salt Water Injection, Active (2)
- △ Salt Water Injection, New (2)
- 💧 Water, Plugged (2)

O&G Wells Area of Review

Sosa SA 17 2
Lea County, New Mexico

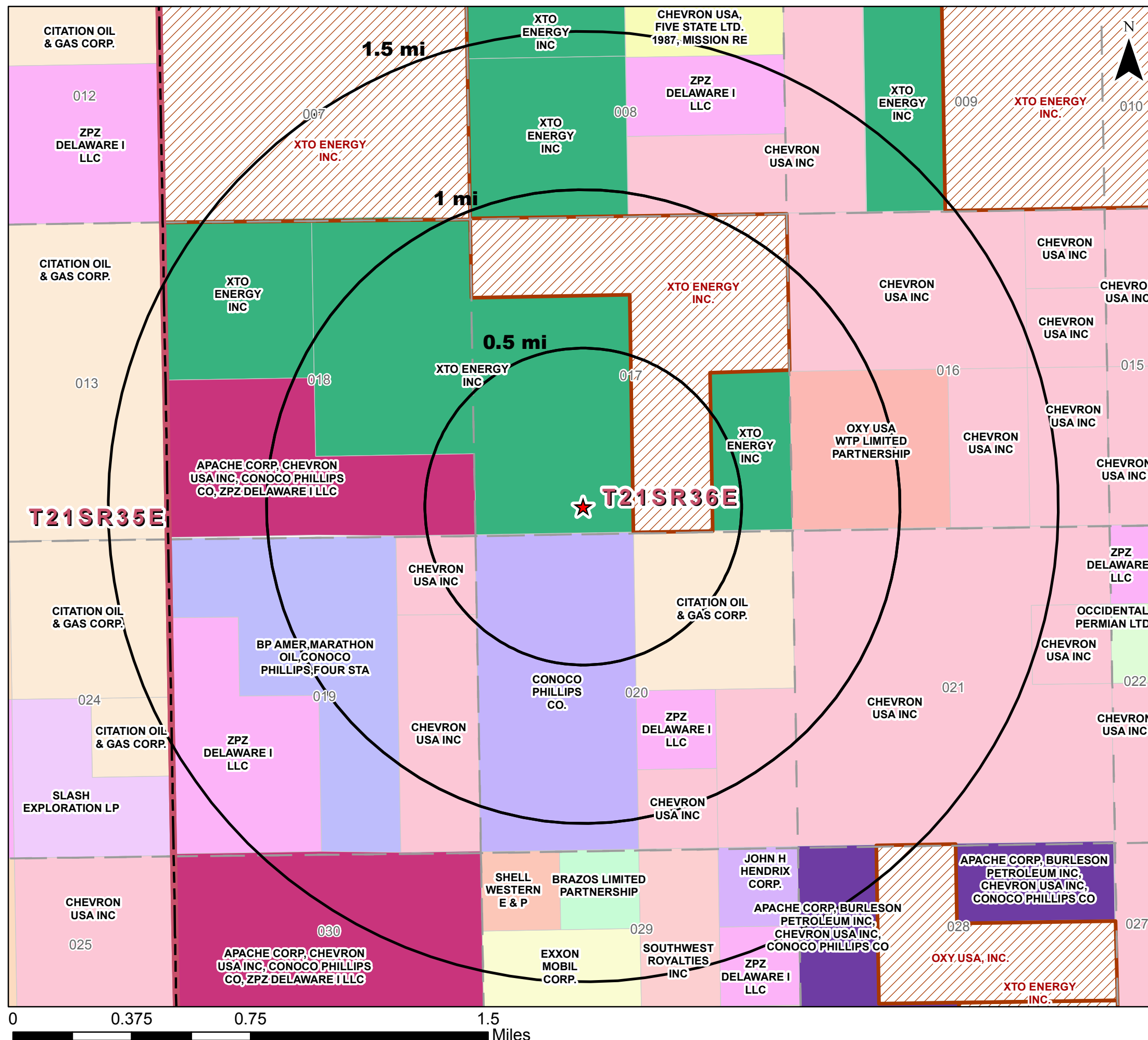
Proj Mgr:
Dan Arthur

May 29, 2019

Mapped by:
Ben Bockelmann

Prepared by:

ALLCONSULTING



Legend

- ★ Proposed SWD
- Private Mineral Leases

BLM Mineral Leases

- APACHE CORP, BURLESON PETROLEUM INC, CHEVRON USA INC, CONOCO PHILLIPS CO
- APACHE CORP, CHEVRON USA INC, CONOCO PHILLIPS CO, ZPZ DELAWARE I LLC
- XTO ENERGY INC

NMSLO Mineral Leases

- BP AMER, MARATHON OIL, CONOCO PHILLIPS, FOUR STA
- BRAZOS LIMITED PARTNERSHIP
- CHEVRON USA INC
- CHEVRON USA, FIVE STATE LTD. 1987, MISSION RE
- CITATION OIL & GAS CORP.
- CONOCO PHILLIPS CO.
- EXXON MOBIL CORP.
- JOHN H HENDRIX CORP.
- LEACO NEW MEXICO EXPL. AND PROD., LLC
- OCCIDENTAL PERMIAN LTD
- OXY USA WTP LIMITED PARTNERSHIP
- SHELL WESTERN E & P
- SLASH EXPLORATION LP
- SOUTHWEST ROYALTIES INC
- XTO HOLDINGS, LLC
- ZPZ DELAWARE I LLC

Mineral Lease Area of Review

Sosa SA 17 2

Lea County, New Mexico

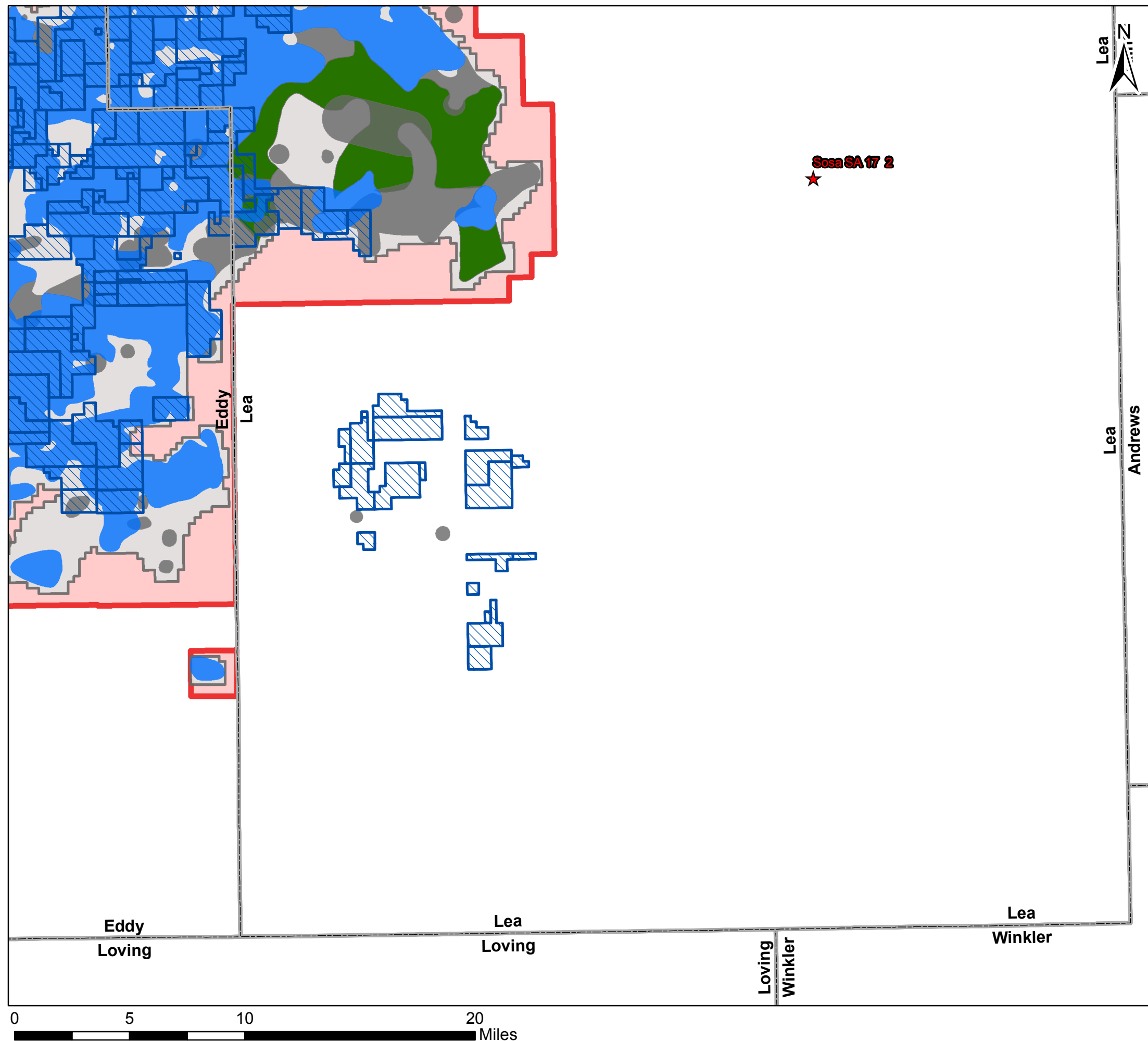
Proj Mgr: Nate Alleman	June 12, 2019	Mapped by: Ben Bockelmann
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Prepared by:

ALLCONSULTING

AOR Tabulation for Sosa SA 17 2 (Top of Injection Interval: 4,500')							
Well Name	API#	Well Type	Operator	Spud Date	Location (Sec., Tn., Rng.)	Total Vertical Depth (feet)	Penetrate Inj. Zone?
DEVONIAN STATE #002	30-025-04729	G	CITATION OIL & GAS CORP	7/6/1935	B-20-21S-36E	3944	No
EUNICE MONUMENT SOUTH UNIT #418	30-025-04691	Plugged	XTO ENERGY, INC	10/19/1981	N-17-21S-36E	Plugged (4191)	No
EUNICE MONUMENT SOUTH UNIT #408	30-025-04692	I	XTO ENERGY, INC	*Unknown	L-17-21S-36E	4131	No
EUNICE MONUMENT SOUTH UNIT #419	30-025-04695	Approved TA	XTO ENERGY, INC	9/29/1935	O-17-21S-36E	4101	No
EUNICE MONUMENT SOUTH UNIT #407	30-025-24588	O	XTO ENERGY, INC	12/3/1973	K-17-21S-36E	4150	No
EUNICE MONUMENT SOUTH UNIT #416	30-025-04670	Plugged	CHEVRON U S A INC	11/17/1930	P-18-21S-36E	Plugged (3990)	No
STATE C 20 #003	30-025-04720	G	PENROC OIL CORP	3/3/1935	F-20-21S-36E	3891	No
STATE C 20 #006	30-025-04723	G	PENROC OIL CORP	1/21/2008	C-20-21S-36E	3948	No
EUNICE MONUMENT SOUTH UNIT #378	30-025-04687	I	XTO ENERGY, INC	*Unknown	F-17-21S-36E	4048	No
MEYER A 1 #021	30-025-32480	G	PENROC OIL CORP	4/7/1994	M-17-21S-36E	3800	No
STATE C 20 #001	30-025-04718	O	PENROC OIL CORP	6/23/1934	D-20-21S-36E	3950	No
EUNICE MONUMENT SOUTH UNIT #417	30-025-04686	O	XTO ENERGY, INC	*Unknown	M-17-21S-36E	4107	No
EUNICE MONUMENT SOUTH UNIT #406	30-025-04696	Plugged	XTO ENERGY, INC	11/6/1954	J-17-21S-36E	Plugged (4116)	No
MEYER A 1 #011	30-025-04690	Plugged	CONOCOPHILLIPS COMPANY	3/8/1956	K-17-21S-36E	Plugged (3997)	No
COLEMAN #001	30-025-08716	Plugged	CIMAREX ENERGY CO. OF COLORADO	10/19/1930	J-17-21S-36E	Plugged (4005)	No
PRE-ONGARD WELL #001	30-025-04706	Plugged	PRE-ONGARD WELL OPERATOR	7/18/1930	A-19-21S-36E	Plugged (4000)	No

Note: No wells within the 1/2-mile AOR penetrate the injection interval.



Legend

- ★ Proposed SWD
-  Potash Leases
-  Ore Type - Measured
-  Ore Type - Indicated
-  Ore Type - Inferred
-  KPLA
-  SOPA

Potash Leases Area of Review

Sosa SA 17 2 Lea County, New Mexico

Proj Mgr:
Dan Arthur

May 30, 2019

Mapped by:
Ben Bockelmann

Prepared by:

ALLCONSULTING

Attachment 3

Source Water Analyses

PRODUCED WATER FROM BONE SPRING, DELAWARE, DEVONIAN, WOLFCAMP

API	SECTION	TOWNSHIP	RANGE	FORMATION	tds mgL	chloride mgL	bicarbonate mgL	sulfate mgL
3002502424	11	20S	34E	BONE SPRING	29436	16720	634	1142
3002502427	12	20S	34E	BONE SPRING	15429			
3002502427	12	20S	34E	BONE SPRING	180701	108300	1016	670
3002502429	12	20S	34E	BONE SPRING	202606	118100	5196	992
3002502429	12	20S	34E	BONE SPRING	121800			
3002502431	12	20S	34E	BONE SPRING	147229	89640	108	1038
3002531696	2	20S	34E	DELAWARE	152064	102148	404	691
3002532105	2	20S	34E	DELAWARE	296822	215237	143	294
3002532466	2	20S	34E	DELAWARE	340838	245270	229	147
3002502427	12	20S	34E	DELAWARE	214787	132700	208	1816
3002502431	12	20S	34E	DEVONIAN	33414	18570	227	1961
3002502432	13	20S	34E	DEVONIAN	45778	26440	1145	729
3002501912	16	16S	34E	WOLFCAMP	164004	102500	4204	1249
3002501922	20	16S	34E	WOLFCAMP	104541	64290	280	541
3002501922	20	16S	34E	WOLFCAMP	104033	64080	268	515
3002501922	20	16S	34E	WOLFCAMP	105175	65570	207	192
3002501925	21	16S	34E	WOLFCAMP	86355	51800	610	665
3002501928	21	16S	34E	WOLFCAMP	119102	73300	227	454
3002501928	21	16S	34E	WOLFCAMP	35422	19170	979	1949
3002501930	22	16S	34E	WOLFCAMP	30015	14800	750	3300
3002501931	22	16S	34E	WOLFCAMP	87680	53000	301	681
3002501933	28	16S	34E	WOLFCAMP	59960	35100	515	1500
3002501933	28	16S	34E	WOLFCAMP	60309	35350	586	1297
3002501940	30	16S	34E	WOLFCAMP	82422	49890	361	787
3002501944	30	16S	34E	WOLFCAMP	83960	51410	418	641
3002502022	27	16S	34E	WOLFCAMP	85457	51020	544	1201
3001542895	2	23S	31E	WOLFCAMP	119472	73173		1036

EXHIBIT F