

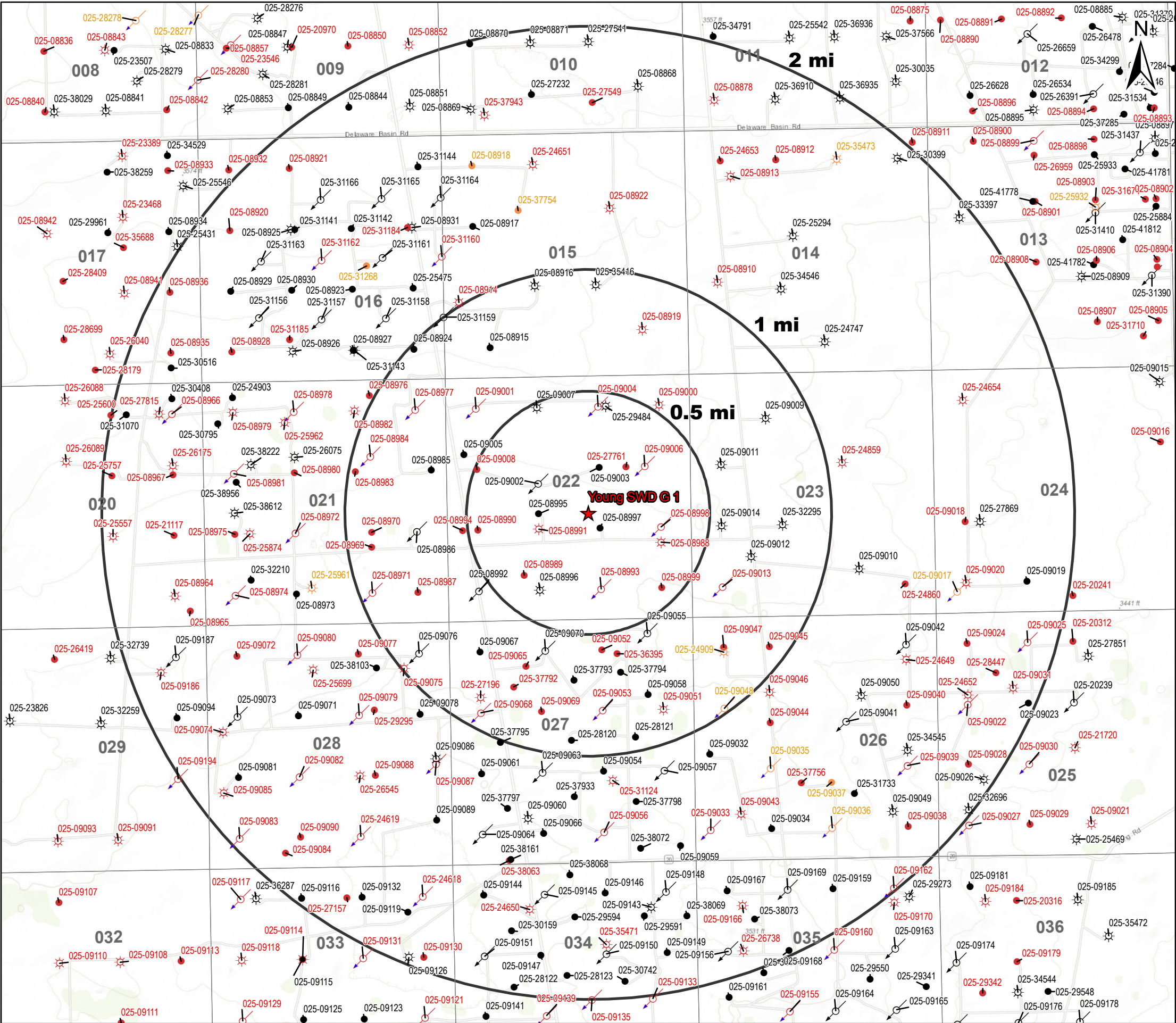
Application

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 (71)
- ☼ Gas, Plugged (60)
- ☼ Gas, Temporarily Abandoned (4)
- ↻ Injection, Active (42)
- ↻ Injection, Plugged (47)
- ↻ Injection, Temporarily Abandoned (6)
- Oil, Active (105)
- Oil, Plugged (98)
- Oil, Temporarily Abandoned (4)

O&G Wells Area of Review

Young SWD G 1
Lea County, New Mexico

Proj Mgr:
Dan Arthur

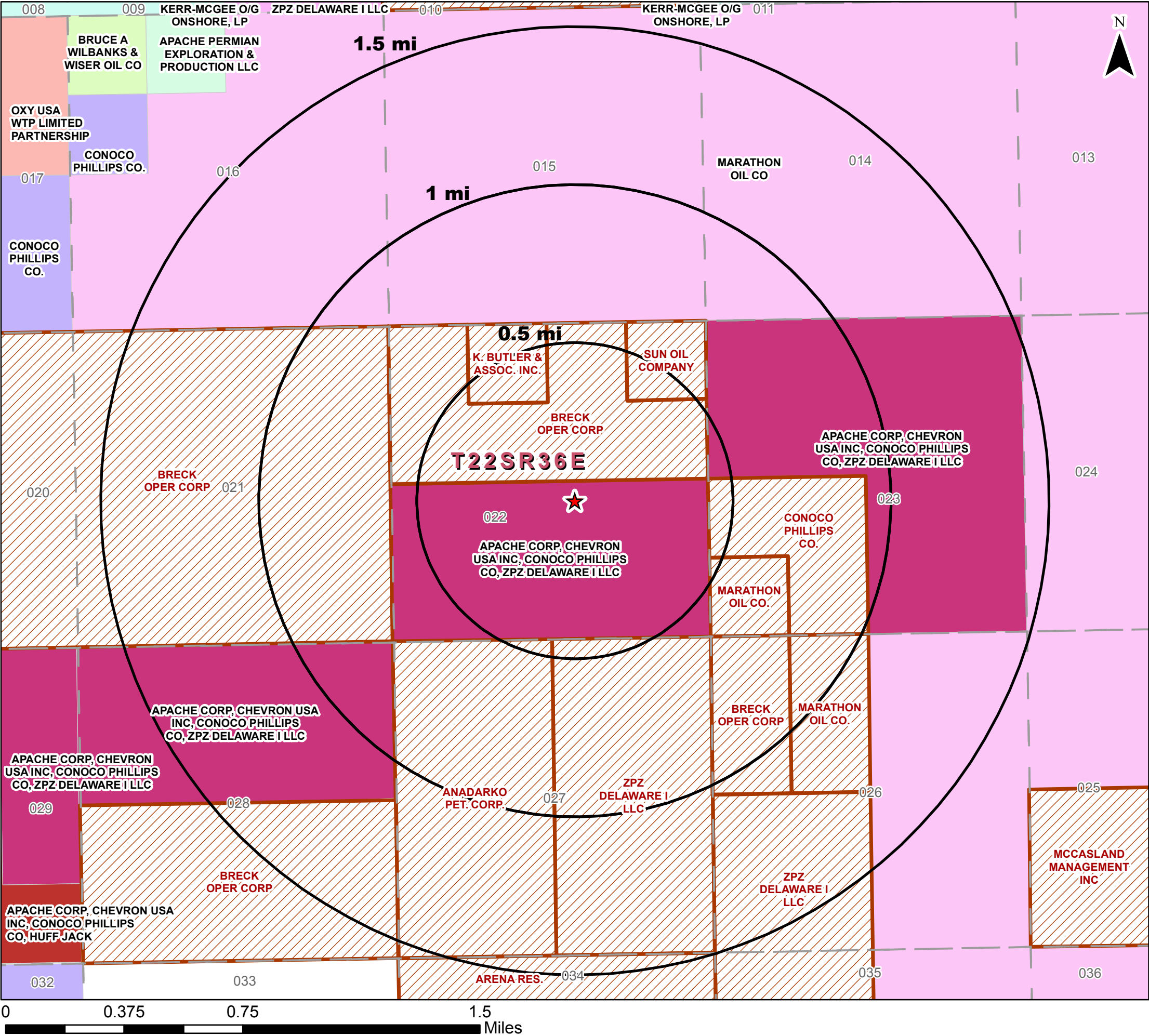
May 29, 2019

Mapped by:
Ben Bockelmann

Prepared by:

ALLCONSULTING

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Legend

★ Proposed SWD

Private Mineral Leases

BLM Mineral Leases

APACHE CORP, CHEVRON USA INC, CONOCO PHILLIPS CO, HUFF JACK

APACHE CORP, CHEVRON USA INC, CONOCO PHILLIPS CO, ZPZ DELAWARE I LLC

NMSLO Mineral Leases

APACHE PERMIAN EXPLORATION & PRODUCTION LLC

BRUCE A WILBANKS & WISER OIL CO

CONOCO PHILLIPS CO.

KERR-MCGEE O/G ONSHORE, LP

MARATHON OIL CO

OXY USA WTP LIMITED PARTNERSHIP

ZPZ DELAWARE I LLC

Mineral Lease
Area of Review

Young SWD G 1
Lea County, New Mexico

Proj Mgr:
Nate Alleman

June 12, 2019

Mapped by:
Ben Bockelmann

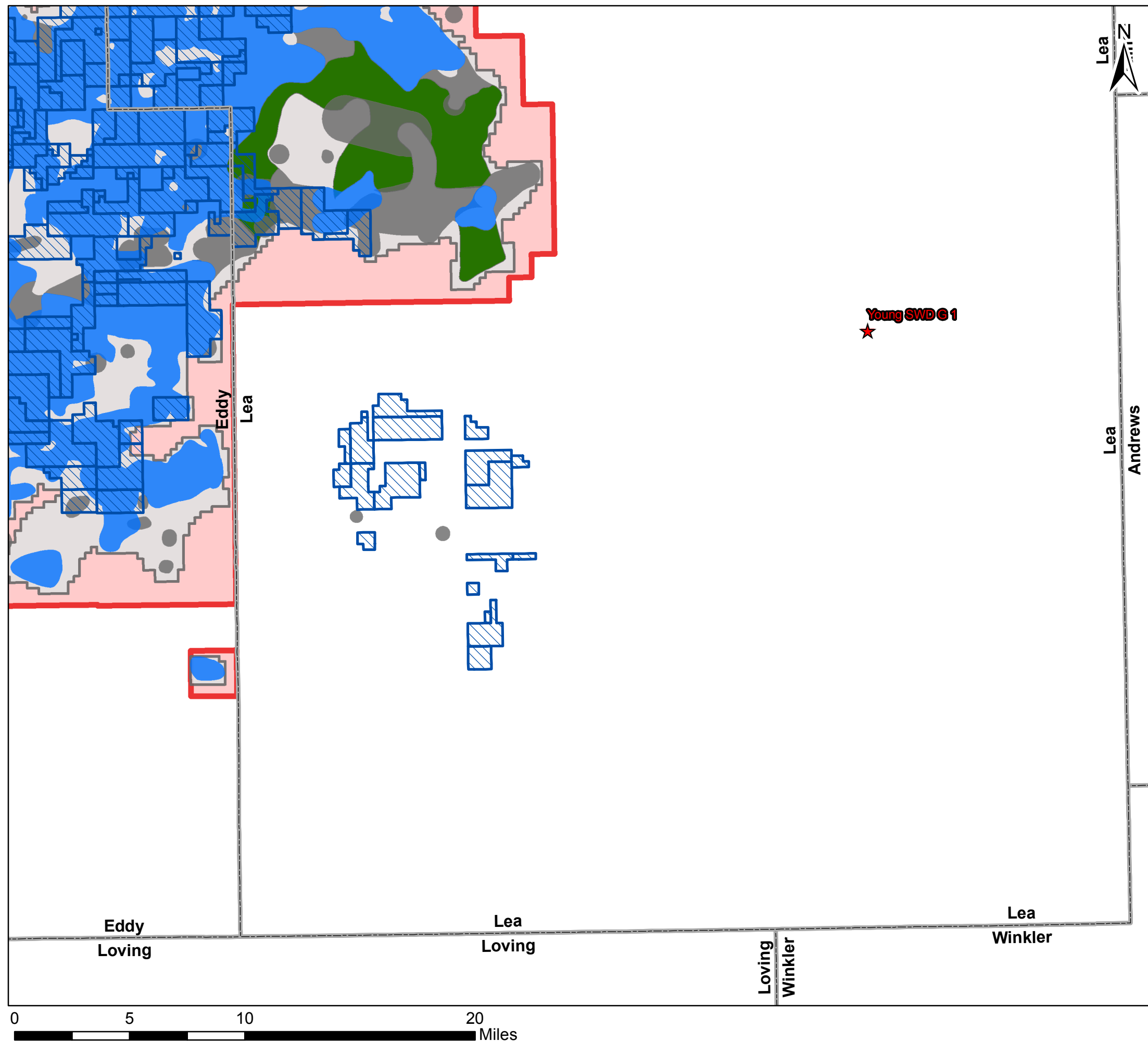
Prepared by:

ALLCONSULTING

AOR Tabulation for Young SWD G 1 (Top of Injection Interval: 5,750')

Well Name	API#	Well Type	Operator	Spud Date	Location (Sec., Tn., Rng.)	Total Vertical Depth (feet)	Penetrate Inj. Zone?
SOUTH EUNICE UNIT #023	30-025-08997	O	BRECK OPERATING CORP	8/19/1956	J-22-22S-36E	3810	No
SOUTH EUNICE UNIT #008	30-025-09003	O	BRECK OPERATING CORP	2/9/1957	G-22-22S-36E	3868	No
SOUTH EUNICE UNIT #007	30-025-09006	Plugged	BRECK OPERATING CORP	7/17/1957	H-22-22S-36E	Plugged (3870)	No
MEYER B 22 #009	30-025-08996	G	BRECK OPERATING CORP	8/3/1956	N-22-22S-36E	3825	No
MEYER B 22 #012	30-025-08999	Plugged	BRECK OPERATING CORP	9/27/1956	P-22-22S-36E	Plugged (3800)	No
SOUTH EUNICE UNIT #009	30-025-09002	I	BRECK OPERATING CORP	12/23/1956	F-22-22S-36E	3850	No
SOUTH EUNICE UNIT #026	30-025-08993	Plugged	BRECK OPERATING CORP	10/10/1955	O-22-22S-36E	Plugged (3850)	No
SOUTH EUNICE UNIT #022	30-025-08995	O	BRECK OPERATING CORP	7/16/1956	K-22-22S-36E	3825	No
SOUTH EUNICE UNIT #024	30-025-08998	Plugged	BRECK OPERATING CORP	9/5/1956	I-22-22S-36E	Plugged (3825)	No
PEERLESS ET AL COM #001	30-025-09007	G	KEVIN O BUTLER & ASSOC INC	1/2/1954	C-22-22S-36E	3492	No
SOUTH EUNICE UNIT #006	30-025-09004	Plugged	BRECK OPERATING CORP	5/3/1957	B-22-22S-36E	Plugged (3872)	No
H S RECORD #008	30-025-27761	Plugged	BURLINGTON RESOURCES OIL & GAS COMPANY LP	11/29/1985	G-22-22S-36E	Plugged (3680)	No
H S RECORD #009	30-025-29484	G	SPECIAL ENERGY CORP	11/29/1985	B-22-22S-36E	3830	No
H S RECORD #002	30-025-09008	Plugged	BURLINGTON RESOURCES OIL & GAS CO	9/26/1953	E-22-22S-36E	Plugged (3500)	No
PRE-ONGARD WELL #001 (Conoco Inc.)	30-025-08988	Plugged	PRE-ONGARD WELL OPERATOR	4/9/1949	I-22-22S-36E	Plugged (3450)	No
PRE-ONGARD WELL #004 (Conoco Inc.)	30-025-08991	Plugged	PRE-ONGARD WELL OPERATOR	4/27/1955	K-22-22S-36E	Plugged (3445)	No
PRE-ONGARD WELL #002 (Conoco Inc.)	30-025-08989	Plugged	PRE-ONGARD WELL OPERATOR	*Unknown	N-22-22S-36E	Plugged (3851)	No
PRE-ONGARD WELL #003 (Conoco Inc.)	30-025-08990	Plugged	PRE-ONGARD WELL OPERATOR	6/25/1954	L-22-22S-36E	Plugged (3432)	No

Notes: 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

Young SWD G 1 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

Attachment 4

Injection Formation Water Analyses

Injection Formation Water Analysis																		
Goodnight Midstream Permian, LLC - Glorieta Formation																		
Wellname	API	Latitude	Longitude	Section	Township	Range	Unit	Ftgs	Ftgw	County	State	Company	Field	Formation	Tds_mgL	Chloride_mgL	Bicarbonate_mgL	Sulfate_mgL
V M HENDERSON #002	3002506908	32.4553299	-103.1957474	30	21S	37E	A	660N	660E	LEA	NM		BLINEBRY	GLORIETA	138153	81610	744	2735
APACHE STATE Q #001	3002506116	32.5712776	-103.255394	16	20S	37E	J	1980S	2310E	LEA	NM		MONUMENT	GLORIETA	19087	8250	430	3400
C H WEIR A #007	3002506073	32.5858192	-103.2114944	12	20S	37E	L	1985S	660W	LEA	NM		SKAGGS	GLORIETA	135670	79600	1680	3100