Revised March 23, 2017

RECEIVED: 10/03/2018	REVIEWER:	SWD	APP NO: pMAN	11827553727
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		OIL CONSERVATION 8 Engineering Bu	• • • • • • • • • • • • • • • • • • • •	
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	ADMINISTRAT	IVE APPLICATION	CHECKLIST	
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Applicant: Mesquite SWI	, Inc.:		OGRID N	lumber: 161968
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Note: 5	atement must be completed	by an individual with man	agerial and/or superviso	ery capacily.
		,	0/7/7/019	
Melanie Wilson	: .	-	9/27/2018 Date	
Print or Type Name			(575) 914-1461	
			Phone Number	
:				
<u></u>		···	mjp1692@gmail.com	
Signature		: ·	e-mail Address	
	•	•		the second second

September 27, 2018

Energy, Minerals and Natural Resources Department Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Attention: Ms. Heather Riley

Division Director

Re: Form C=108

Baker SWD Well No. 1
API-No. (Not Yet Assigned)
330' FSL & 309' FWL, Unit M
Section 1, T-26S, R-31E, NMPM,
Eddy County, New Mexico

Dear Ms. Riley,

Enclosed please find a Division Form C-108 (Application for Authorization to Inject) for the Mesquite SWD, Inc. Baker SWD Well No. 1. Mesquite SWD, Inc. proposes to drill and utilize this well as a produced water disposal well, injection to occur into the Siluro-Devonian formation through the open-hole interval from approximately 17,300 feet to 18,500 feet. Produced water from the Bone Spring, Wolfcamp and other formations originating from wells in this area will be injected into the well.

I believe that all the information necessary to approve the application is enclosed. If additional information is needed, please contact me at (575) 914-1461.

Sincerely,

Melanie Wilson-Regulatory Analyst Mesquite SWD, Inc. P.O. Box 1479 Carlsbad, New Mexico 88221-1479

Xc: OCD-Artesia

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	X Di	sposal Storage
	Application qualifies for administrative approval?	Yes	_No	
11.	OPERATOR: Mesquite SWD, Inc.			
	ADDRESS: P.O. Box 1479, Carlsbad, New Mexic	o 88221-1479		
	CONTACT PARTY: Melanie Wilson		Pl	HONE: 575-914-1461
III.	WELL DATA: Complete the data required on the reverse sid Additional sheets may be attached if necessar		II proposed for i	injection.
IV.	Is this an expansion of an existing project? Ye If yes, give the Division order number authorizing the project	es X No	3 :	
٧.	Attach a map that identifies all wells and leases within two median around each proposed injection well. This circle identifies			one-half mile radius circle
VI.	Attach a tabulation of data on all wells of public record within data shall include a description of each well's type, construction of any plugged well illustrating all plugging detail.	on, date drilled, location, o	lepth, record of	
VII.	Attach data on the proposed operation, including:	j tij k up teet.	¥ .	
	 Proposed average and maximum daily rate and volume of the control of	compatibility with the rec	hin one mile of	the proposed well, attach a
*VIII.	Attach appropriate geologic data on the injection zone included Give the geologic name, and depth to bottom of all underground dissolved solids concentrations of 10,000 mg/l or less) overly be immediately underlying the injection interval.	und sources of drinking w	ater (aquifers co	ontaining waters with total
ıx.	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, the	ey need not be resubmitted).
*XI.	Attach a chemical analysis of fresh water from two or more fr injection or disposal well showing location of wells and dates		le and producin	g) within one mile of any
XII.	Applicants for disposal wells must make an affirmative state and find no evidence of open faults or any other hydrologic odrinking water.			
XIII.	Applicants must complete the "Proof of Notice" section on the	e reverse side of this form	•	
	Certification: I hereby certify that the information submitted w belief.	vith this application is true	and correct to th	e best of my knowledge and
	NAME: Melanie Wilson	TITLE	: Regulato	ry Analyst
	SIGNATURE:			
\$	E-MAIL ADDRESS: mjp1692@gmail.com If the information required under Sections VI, VIII, X, and XI Please show the date and circumstances of the earlier submitte	above has been previousl	 y submitted, it r	need not be resubmitted.
nere	BRUTION: Original and one copy to Santa Fe with one copy to	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 pame.
 - (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.

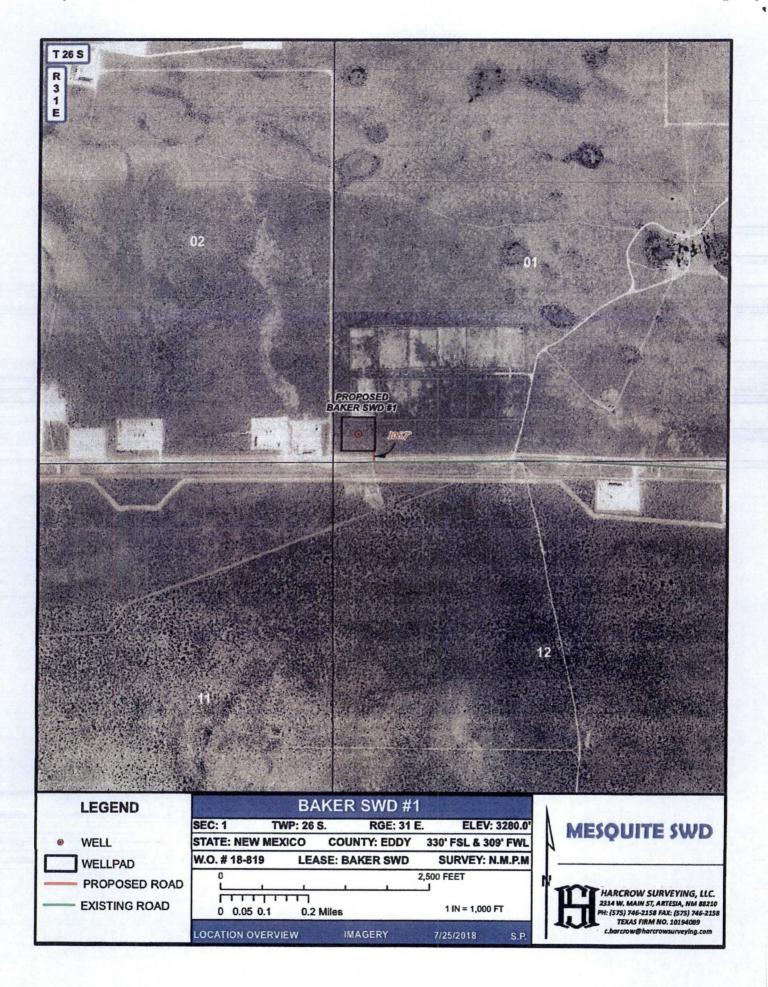
NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

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.

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION

Form C-102

0 8. ST. FRANCIS	DR., SANTA PR. 160 Pax: (505)	N 87410 334-6170 NN 87505						□ AMEND	ED REPO
				CATION Pool Code	AND ACREA	AGE DEDICATI	ON PLAT		
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INJECTION WELL DATA SHEET

+ 0/ 11 VIL. (% 1)	IUMBER: <u>Baker SWD Well I</u>	No. 1			
LL LOCATION	: 330' FSL & 309' FWL	M	1	26S	31E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE
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		* *****			
•		1st Interm	ediate Casi	nø	
		777			
	Hole Size: 17.5"		Casing	Size: 13.375"	68# P-110
	Cemented with: 2500	sx.			
	Top of Cement: Surface	2	Metho	d Determined	: Circulate
		**			
		2nd Inter	mediate Cas	ing	
		2nd Inter	mediate Cas	ing	·
	Hole Size: 12.5"		Casing	Size: 9.625" !	53.5# P-110 BTC
	Cemented with: 2,800 sx	c. Staged; DV	Casing Tools @ 8,2	Size: 9.625" ! 00' & 4,500'	
	***************************************	c. Staged; DV	Casing Tools @ 8,2	Size: 9.625" !	
	Cemented with: 2,800 sx	k. Staged; DV e	Casing Tools @ 8,2	Size: 9.625" ! 00' & 4,500'	
	Cemented with: 2,800 sx Top of Cement: Surface	k. Staged; DV e	Casing Tools @ 8,2 Metho	Size: 9.625" 5 00' & 4,500' od Determined	
	Cemented with: 2,800 sx	k. Staged; DV e	Casing Tools @ 8,2 Metho iner Casing	Size: 9.625" 5 00' & 4,500' od Determined	: Circulate 39# P-110 UFJ Lir
	Cemented with: 2,800 so Top of Cement: Surface Hole Size: 8.5"	k. Staged; DV e <u>L</u>	Casing Tools @ 8,2 Metho iner Casing or	Size: 9.625" 5 00' & 4,500' od Determined Size: 7.625" 3	: Circulate 39# P-110 UFJ Lin ft³
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Additional Data

Name of Injection Formation: Siluro-Devonian	
Name of Field or Pool (if applicable): SWD; Devonian	
ng aga paga dia dia dia dia dia dia dia dia dia di	وبيت
Has the well ever been perforated in any other zone(s)? List all such perforated interv	/als
and give plugging detail, i.e. sacks of cement or plug(s) used: None	

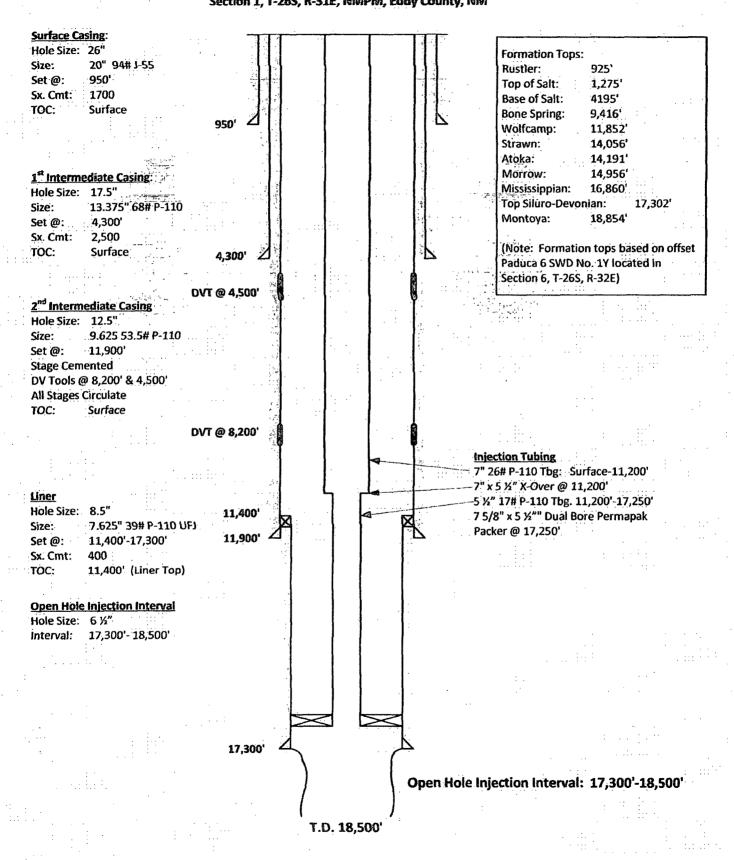
following pools: Southeast Big Sinks-Delaware & Big Sinks-Delaware Pools (Depth: 4,172'); Jennings-

(Note: See attached OCD Pool Maps)

Bone Spring Upper Shale Pool; (Depths: 8,700'-9,100');

Mesquite SWD, Inc.

Baker SWD No. 1: Proposed Wellbore Schematic 330' FSL & 309' FWL (Unit M) Section 1, T-26S, R-31E, NMPM, Eddy County, NM



C-108 Application
Mesquite SWD, Inc.
Baker SWD No. 1
330' FSL & 309' FWL (Unit M)
Section 1, T-26S, R-31E, NMPM
Eddy County, New Mexico

- I. The purpose of the application is to request approval to utilize the proposed Baker SWD No. 1 as a produced water disposal well. This is a new well to be drilled for injection.
- II. Mesquite SWD, Inc.
 P.O. Box 1479
 Carlsbad, New Mexico 88221-1479
 Contact Party: Melanie Wilson (575) 914-1461
- III. Injection well data sheet and wellbore schematic diagram showing the proposed wellbore configuration is attached.
- This is not an expansion of an existing project.
- V. Attached are maps that identify all wells/leases within a 2-mile and 1-mile radius of the proposed water disposal well and a map that identifies the 1-mile "Area of Review" ("AOR").
- VI. A listing of all wells within the AOR, including API No., operator, well name & number, well type and status, surface and bottomhole well locations, MD and TVD and completed formation is attached. An examination of the AOR well listing shows that none of the 31 active or proposed wells within the AOR penetrate, or will penetrate the proposed injection interval. In addition, none of the four PA'd wells within the AOR penetrate the proposed injection interval.
- The average injection rate is anticipated to be approximately 30,000 BWPD. The maximum rate will be approximately 40,000 BWPD. If the average or maximum rates increase in the future, the Division will be notified.
 - 2. This will be a closed system.
 - 3. Mesquite SWD, Inc. will initially inject water into the subject well at or below a surface injection pressure in compliance with the Division's limit of 0.2 psi/ft., or approximately 3,460 psi. If a surface injection pressure above 3,460 psi is necessary, Mesquite SWD, Inc. will conduct a step rate injection test to determine the fracture pressure of the Siluro-Devonian formation in this area.

Mesquite SWD, Inc. Form C-108 (Application for Authorization to Inject) Baker SWD No. 1 Page 2

- 4. Produced water from the Bone Spring, Wolfcamp, Delaware and other producing formations originating from wells in this area will be injected into the subject well. Attached are produced water analysis from various producing wells in Township 26 South, Range 31 East that produce from the Delaware, Bone Spring and Wolfcamp formations. These produced water analyses were obtained from the GO Tech website.
- 5. An examination of Division records indicate that the Siluro-Devonian formation is not productive within one mile of the Baker SWD No. 1. A produced water analysis from the Devonian formation within the Remuda Basin Unit Well No. 1, located in Section 24, Township 23 South, Range 29 East, NMPM, Eddy County, New Mexico, was obtained from the Go Tech website, and is attached to this application. This produced water analysis shows a TDS of 56,922 Mg/L.

VIII. Geologic Formation:

Devonian/Silurian

Estimated Top:

17,302

Thickness:

1,552'

Lithology:

Limestone w/Interbedded Dolomites

(Note: The top of the Devonian interval cited above was determined by examination of the well file for the offset Paduca 6 SWD No. 1Y, located in Unit E of Section 6, Township 26 South, Range 32 East, NMPM. This well is located approximately 1.25 miles Northeast of the proposed Baker SWD No. 1, and was permitted for injection into the Devonian interval by Order No. SWD-1607-A issued on August 17, 2016. Division records also indicate that this well is active, is currently injecting approximately 17,656 BWPD into the Devonian interval, and has cumulatively injected 6,666,203 barrels of water).

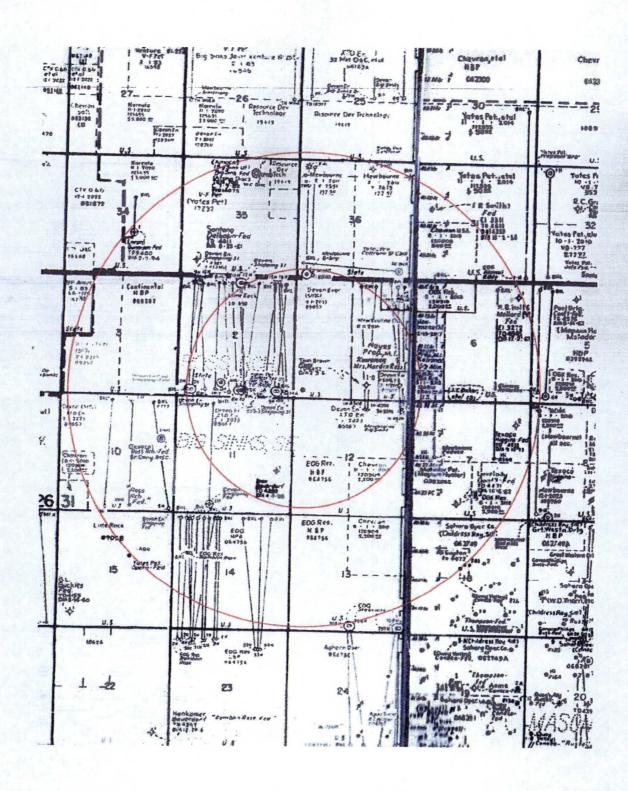
(Note: An examination of OCD well records indicate that there are no additional produced water disposal wells located within the nine-section area surrounding Section 1, T-26S, R-31E, NMPM.)

USDW's:

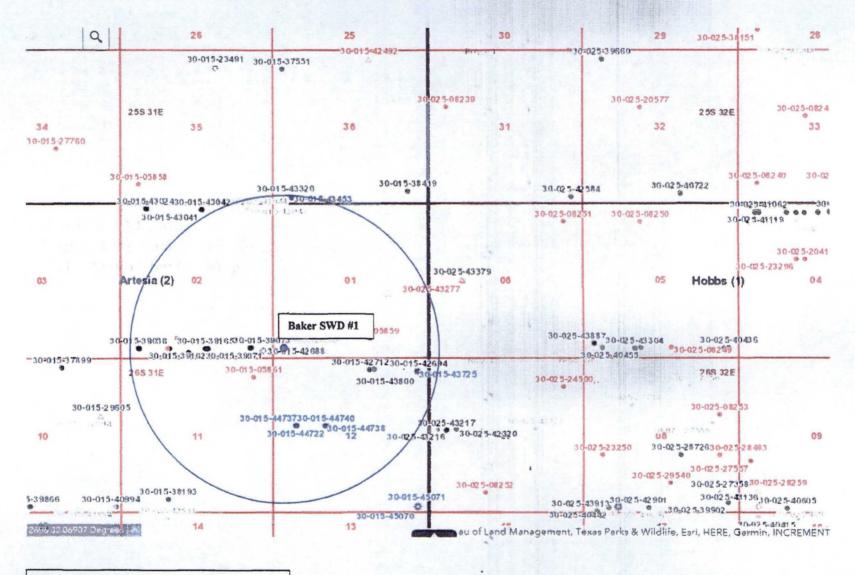
According to data obtained from the New Mexico State Engineer, there are four fresh water wells located within one mile of the Baker SWD No. 1 (See Attached). These wells range in depth from 350 feet to 700 feet, and the depth to water averages 335 feet. Mesquite SWD, Inc. will attempt to obtain a water sample from one of these wells and forward a fresh water analysis to the Division when obtained.

Mesquite SWD, Inc. Form C-108 (Application for Authorization to Inject) Baker SWD No. 1 Page 3

- IX. Formation chemical stimulation may be applied after completion. No other stimulation is currently planned.
- X. Logs will be filed subsequent to the completion of drilling operations. Density-Neutron is planned to be run from surface to TD.
- XI. There are four fresh water wells located within a one-mile radius of the Baker SWD No. 1. (See attached report from the OSE).
- XII. Affirmative statement is enclosed.
- XIII. Proof of Notice is enclosed.



Mesquite SWD, Inc.
Form C-108; Baker SWD No. 1
1-Mile & 2-Mile Lease Map



Mesquite SWD, Inc. Form C-108: Baker SWD No. 1 1-Mile Area of Review Map

MESQUITE SWD, INC. BAKER SWD WELL NO. I ONE-MILE AREA OF REVIEW WELL LIST

API NUMBER	OPERATOR	LEASE NAME		WELL	STATUS	FTG.	N/S	FTG.		UNIT	SEC.	TSHP.	RNG.	TVD	MD	COMPLETION
20.045.44727	Davies Faces Beed Co UD	Canalia 13.1 End	521H	Oil	NYD			810'	W	_	40	200	245	0.74014	45 70414	Dana Saska
30-015-44737	Devon Energy Prod. Co. LP	Snapping 12 1 Fed	32 IFI	Oil	BHL	2325' 330'	N	550'	W		12	26S 26S	31E	8,713' *	15,794	Bone Spring
30-015-44738	Devon Energy Prod. Co. LP	Snapping 12 1 Fed	522H	011	NYD	2325'	N	1790'	W	F	12	268	31E	8,753' *	16.170' *	Bone Spring
				:	BHL	330'	N	1430'			1	268	31E	·		
30-015-44758	Devon Energy Prod. Co. LP	Snapping 12 1 Fed	523H	Oil	NYD	2325		1880'	W	F	12	268		8,773' *	16,198'*	Bone Spring
<u> </u>		<u></u>		 	BHL	330,	N	2310'	W	C	1	265	31E	, , , ,	<u> </u>	
30-015-44721	Devon Energy Prod. Co. LP	Snapping 12 1 Fed	531H	Oil	NYD	2325		780'	W	E	12	265		8,983' *	16,064	Bone Spring
·					BHL	330'	N	500'	W	D	1	268	31E			
30-015-44739	Devon Energy Prod. Co. LP	Snapping 12 1 Fed:	532H	Oil	NYD	2325' 330'	N	840' 1320'	W	D	12	26S	31E	8,973	16,084' *	Bone Spring
20.045.44722	Doven Feers (Bred Co. LD.	Security 12 t Fod	6221	0"					·		10			0.04014	40.070	B
30-015-44722	Devon Energy Prod. Co. LP	Snapping 12 1 Fed	533H	Oil	NYD BHL	2325' 330'		1850' 2140'		F	12	26S 26S	31E	9,013' *	16,379' *	Bone Spring
30-015-44740	Devon Energy Prod. Co. LP	Snapping 12 1 Fed	823H	Oil	NYD	2325'	N	1820'	W	F	12	268	31E	11.541'*	18,958' *	Wolfcamp
					BHL	330'	N	2090'		C	71 d	268	31E	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
30-015-42694	Mewbourne Oil Company	Big Sinks 1 A2 PA Fed Com	1H	Oil	Active	465'	N	460'	E	Α	12	268	31E	8,838'	13,965'	Bone Spring
			-	:	BHL	354'	N	482'	W	Α_	1_1_	265	31E			
30-015-43318	Mewbourne Oil Company	Big Sinks 1 A2OB Fee	1H-	Oil	NYD BHL	410' 330'	N	1850' 1650'		B	12	26S 26S	31E	9,097'*	13,938' *	Bone Spring
				- :-	·			T								
30-015-42712	Mewbourne Oil Company	Big Sinks 1 A30B Fee	. 2H	Oil.	Active	410' 337'	N	1980' 2275'		В	12	26S	31E	9,131	14,295'	Bone Spring
30-015-43725	Mewbourne Oil Company	Big Sinks 1 B2 PA Fed Com	3H	Oil	NYD	465'	N	395'	E	A	12	268	315	10.317' *	15,627' *	Bone Spring
	:	Old Chille L Part of Coll			BHL	330	N	660,	Ē		1	265	31E	10,017	10,021	Dolla Opting
30-015-43800	Mewbourne Oil Company	Big Sinks 1 W1PA Fed Com	2H	Gas	Active	465	N	330'	E	A	12	268	31E	.12,071	17,430	Wolfcamp
				-	BHL	330'	N	330'	E	A	1	269	31E			
30-015-43453	Mewbourne Oil Company	BEBOP 36 B2MD State	1H	Oil	NYD	185'	S	660,	W	M	36	258		9,000' *	14,880' *	Bone Spring
		<u> </u>	<u> </u>	<u> </u>	BHL	330	N	660'	W	D	36	258	31E	<u> </u>	<u> </u>	<u>l </u>

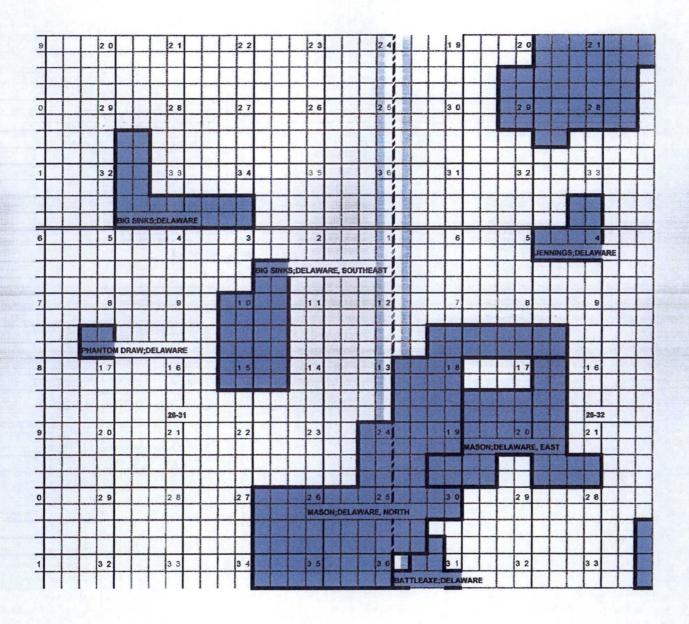
Page 1

MESQUITE SWD, INC. BAKER SWD WELL NO. 1 ONE-MILE AREA OF REVIEW WELL LIST

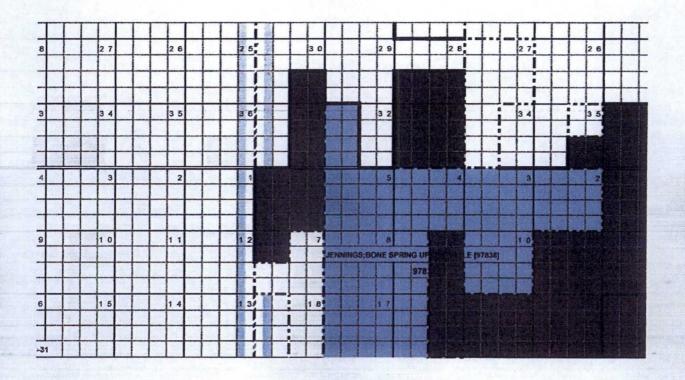
API NUMBER	OPERATOR	LEASE:	WELL NO.	WELL	STATUS	FTG:	N/S	FTG:	EW	UNIT	SEC:	TSHP	RNG.	⊘TV 0)	ЙD	COMPLETION
															40.550	
30-015-43320	Mewbourne Oil Company	BEBOP 36 W1MD State	2H	Gas	Active BHL	185' 338'	S N	450' 532'	W	N	36 36	25S 26S	31E	12,038	16,550'	Wolfcamp
30-015-39104	Devon Energy Prod. Co. LP	Snapping 2 State	1Y	Oil	Active	330'	s	1710'	w	N	2	26S	31E	8,574'	13,007'	Bone Spring
50-015-39104	Devoit Energy Flod. Co. LP	Snapping 2 State	 '' -		BHL	343'	N			C	2	26S	31E	6,374	13,007	Boile Spring
							Ę							2.000	40.000	
30-015-39035	Devon Energy Prod. Co. LP	Snapping 2 State	2H	Oil	Active BHL	330'	S N	990'	W	M	2	26S 26S	31E	8,966'	13,600'	Bone Spring
					Ditt	355			<u> </u>		-	200	U.L			
30-015-39036	Devon Energy Prod. Co. LP	Snapping 2 State	3H	Oil	Active	330'	S	630'	W.	M	. 2	265	31E	8,560'	13,136	Bone Spring
					BHL	355'	N	390,	W	D	2	265	31E			
30-015-39071	Devon Energy Prod. Co. LP	Snapping 2 State	4H	Oil	Active	330'	s	735'	E	Р	2	26S	31E	9,054	13,539'	Bone Spring
			ļ		BHL	342'	N	413'	E	Α	2	265	31E			
30-015-39073	Devon Energy Prod. Co. LP	Snapping 2 State	5H	Oil	Active	330'	s	785	E	P	2	265	31E	8,607	13,122	Bone Spring
					BHL	346'	N	1037		A	2	265	31E			
30-015-39162	Devon Energy Prod. Co. LP	Snapping 2 State	6H	Oil	Active	330'	s	2260'	E	0	2	265	31E	9,004	13,798'	Bone Spring
30-013-38102	Devoir Energy Flod. Co. EF	Ghapping 2 State	011	One:	BHL	350	N	1712		B	2	268	31E	3,004	10,730	Done Opining
															10 100	
30-015-39163	Devon Energy Prod. Co. LP	Snapping 2 State	7H	Oil	Active	330'	N	2310' 2306'	E	В	2	26S	31E	8,550	13,102	Bone Spring
30-015-39165	Devon Energy Prod. Co. LP.	Snapping 2 State	8H	Oil	Active	330'	S	2360' 2337'	E W	0	2	268	31E	8,981	13,654'	Bone Spring
·			 	<u> </u>	BHL	400'	N	2337	AA	6	2	268	31E			
30-015-43023	Devon Energy Prod. Co. LP	Snapping 2 State	9H	Oil	Active	200'	N	880'	W	D	2	265	31E	10,214	14,825	Bone Spring
			 	 -	BHL	348'	8	410	W	M	:" 2	268	31E	ļ		
30-015-43024	Devon Energy Prod. Co. LP	Snapping 2 State	10H	Oil	Active	200'	N	930'	w	D	2	265	31E	10,204	14,766'	Bone Spring
					BHL	350'	S	410'	W	M	2	268	31E			
30-015-43041	Devon Energy Prod. Co. LP	Snapping 2 State	11H	Oil	Active	220'	N	2490	E	B	2	265	31E	10,242	14,811'.	Bone Spring
.00-010-43041	Coron Ellergy Flou: Co. LP	Onapping 2 diate	1		BHL	340'		2183			2	265	31E	10,242	14,011	Bolle Spiring
20.045.42040	Da		401:	Oil.		200:	Ţ.,	04/0				000	045	40.000	44 505:	
30-015-43042	Devon Energy Prod. Co. LP	Snapping 2 State	.12H	Oil.	Active BHL	229' 342'	S	2440' 2215'		B	2	26S	31E	10,239'	14,790'	Bone Spring

MESQUITE SWD, INC. BAKER SWD WELL NO. 1 ONE-MILE AREA OF REVIEW WELL LIST

		LEASE NAME	WELL	WELL	8TATUS	FTG.	8/8	FTG.	EW	UNIT	SEC.	TSHP.		TVD	DIE	COMPLETION
		NAME	MO.	MINE.	3-4-5	- N/O	92000	# ET AN*	2021	SE 1803	3680k.1. 5	A	: KAASES		(2001, CAL 949)	
30-015-42113	Devon Energy Prod. Co. LP	Snapping 2 State	13H	Oil	Active	200'	S	2375	W	N.	2	268	31E	11,430	15,990	Bone Spring
					BHL	327	N	1967'	·W	С	2	268	31E			
30-015-42688	Devon Energy Prod. Co. LP	Snapping 2 State	14H	Gas	Active	250'	S	330,	·E	P	2	265	31E	12,022'	16,548'	Wolfcamp
					BHL	325'	N	670'	E	Α	2	268	31E			
30-015-38193	Devon Energy Prod. Co. LP	Snapping 11 Federal	1H	Oil	Active	430'	s	1650	w	N	11	268	31E	8.529'	12,985'	Bone Spring
					BHL	330'	N	1655'		С	11	268	31E	0,020		
30-015-45070	Mewbourne Oil Company	Sumideros 12 W1PA Fed Com	1H	Gas	NYD	185'	-	330'	E	P	12	265	245	40 0041 4	16,765' *	Wolfcamp
30-015-45070	Mewbourne Oil Company	Sumideros 12 WTPA Fed Com	18	Gas	BHL	330,	N	330'	E	A	12	268	31E	12,021	10,765	vvoircamp
30-015-45071	Mewbourne Oil Company	Sumideros 12 W1PA Fed Com	2H	Gas	NYD	185'	S	380	E	P	12	265		11,708' *	16,489' *	Wolfcamp
<u> </u>	· · · · · · · · · · · · · · · · · · ·	<u> </u>	L	<u> </u>	BHL	330,	N	890,	. E	<u> </u>	12	269	31E	L	L	
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30-015-05859	Tom Brown Drilling Co.	Ross	1	Dry	PA.	660'	S	1980'	E	0	1	268	31E	4,452'	PA 3/61	Delaware
30-015-24277	Devon Energy Prod. Co. LP	: Almost Texas Unit	1	Gas	PA:	660,	s	1980	W	N	2	26S	31E	15,900	PA 8/17	Wolfcamp/Morrow
							1					1.1	,1			
30-015-38982	Devon Energy Prod. Co. LP	Snapping 2 State	1	N/A	PA	330'	S	1660	W.	N	2	268	31E	150'	PA 6/11	Stuck Pipe
30-015-05861	The Ibex Company	Bauerdorf	1	Dry	: PA	660'	N	660'	E	Α	11	268	31E	4,282'	PA 5/55	Delaware
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Mesquite SWD, Inc. Form C-108; Baker SWD No. 1 OCD Designated Delaware Pools



Mesquite SWD, Inc. Form C-108; Baker SWD No. 1 OCD Designated Bone Spring Pools

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Mesquite SWD, Inc. Form C-108; Baker SWD No. 1 OCD Designated Wolfcamp Pools

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Mesquite SWD, Inc.
Form C-108; Baker SWD No. 1
OCD Designated Devonian Pools

Well Name	Section	Township	Range	Unit	formation	Ph	TDS/Mg/l	Sodium Mg/l	Calcium Mg/I	fron Mg/i	Magnisium Mg/I	Manganese Mg/i	Chloride Mg/I	Bicarbonate Mg/I	Sulfate Mg/l	CO2 Mg/l
SNAPPING 2 STATE #013H	2	268	31E	N	BONE SPRING 3RD SAND	6.5	94965.6	31352.7	3678.6	31.7	483.6	0.83	57489.5	244	0	200
SNAPPING 2 STATE #013H	2	265	31E	N	BONE SPRING 3RD SAND	7	94518.2	30031.5	3402.8	19.9	438.9		58782.2		355.2	200
SNAPPING-2 STATE #013H	2	265	318	N	BONE SPRING 3RD SAND	7.2	94863.9	30224.8	3424	14.8	444		59015.2		365	200
SNAPPING 2 STATE #014H	2	265	31E	₽	WOLFCAMP	7.3	81366.4	26319.4	2687.4	26.1	326.7		50281.2		399.7	100
SNAPPING 2 STATE #013H	2	26S	31E	N	BONE SPRING 3RD SAND	6.8	91289.1	28721.3	3440.7	16.3	.437.4		56957.4		327.9	150
ROSS RANCH 10 FEDERAL HOOL	10	265	31E	н		6.3	111430.5	38922.4	3547.3	76.8	487.9	1.05	66173.2	366·	0	300
ROSS RANCH 10 FEDERAL #001	10	265	31E	H		7	54116.9	45100	5224	349.6	719.3	3.73	0	73.2	0	570
SNAPPING 10 FEDERAL #005H	10	265	31E	P	BONE SPRING 2ND SAND	6.6	138161.9	44458.5	5280.8	29.7	781.3	0	84470	122	0	20
SNAPPING 10 FEDERAL #005H	10	265	31E	p	BONE SPRING ZND SAND	5.5	138376	44458.5	6280.B	29.7	781.3	0	84470	122	518	20
SNAPPING 10 FEDERAL #001H	10	265	31E	8	AVALON UPPER	6.5	199638.8	68948.2	7560.4	111.2	1522.8	2.19	118195	732	0	500
SNAPPING 11 FEDERAL #001H	11	265	31E	N	AVALON UPPER	5.1	225189.8	77010.7	8743.8	\$36.1	1649.2	6.75	134075	366	0	300
SNAPPING 2 STATE #003H	2	265	31E	M	AVALON UPPER	6.1	223019	76001.7	10437.8	209.9	1922.4	4.5	131072	366	632	1100
SNAPPING 2 STATE #006H	2	265	31E	0	AVALON UPPER	6.5	179788.5	71575.7	617.4	21,8	109.6	0	101374	3660	0	500
SNAPPING 2 STATE #006H	2	268	31E	O	AVALON UPPER	6.5	179938	71575.7	617.4	21.8	109.5	0	101374	3660	844	500
SNAPPING 10 FEDERAL #003H	10	265	31E	N	BONE SPRING 2ND SAND	6.5	152439.2	48495.7	6731.3	29.1	801.4	1.06	94055	244	0	100
E D WHITE FEDERAL NCT 1 #003	26	265	31E	0	DELAWARE		212112						132100	195	425	
SNAPPING 10 FEDERAL #001H	10	265	31E	В	AVALON UPPER	7.1	209352.4	70089.5	7327	203	1557	2.5	127230	146.4	600	600
SNAPPING 11 FEDERAL #001H	11	265	31E	N	AVALON UPPER	7	196576.7	68797.3	5059	12	1056	0.9	118943	122	872	380
SNAPPING 11 FEDERAL ROOTH	11	562	31E	N	AVALON UPPER	7	203078.9	72261.4	4407	117	904	1.5	122172	1098	658	80
SNAPPING 2 STATE #001Y	2	268	31E	N	AVALON UPPER	7	162550.1	57137	3885	42	776	0.6	97161	1403	756	70

Mesquite SWD, Inc.
Form C-108; Baker SWD No. 1
Source Water Analysis

Well Name	Section	Township	Range	Unit	Field	Formation	Sample Source	TDS Mg/I Chloride Mg/I B	licarbonate Mg/I	Sulfate Mg/I
REMUDA BASIN UNIT #001	24	235	29E	j	REMUDA	DEVONIAN	SWAB	56922 29000	1740	4980

Mesquite SWD, Inc.
Form C-108; Baker SWD No. 1
Devonian Water Analysis



POD Number C -02090

C 03639 POD1 C 04256 POD1

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,

closed)

C=the file is (quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(in feet)

POD

Cod		Sub- e basin County		Q Q Q 6416 4 Sec Tws Rng		X Y		Depth Depth Water Well Water Column					
		Ċ	ED		4	4 01	26 S	31E	620329	3548533*	350	335	15
	:::	CUB	ED	2	1.	4 01	265	31E	620547	3549148 🌑	630	300	330
		CUB	ED	3	4	2 01	268	31E	620168	3549279	700	365	335
		CUB	ED	4	4	2 01	268	31E	620384	3549257	666	340	326

Average Depth to Water: 335 feet

Minimum Depth: 300 feet

Maximum Depth: 365 feet

Record Count: 4

PLSS Search:

Section(s): 1, 2, 11, 12

Township: 26S

Range: 31E

Mesquite SWD, Inc.
Form C-108; Baker SWD No. 1
Office of the State Engineer
Fresh Water Well Data

*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.

8/7/18 2:00 PM

Page 1 of 1

WATER COLUMN/ AVERAGE DEPTH TO WATER

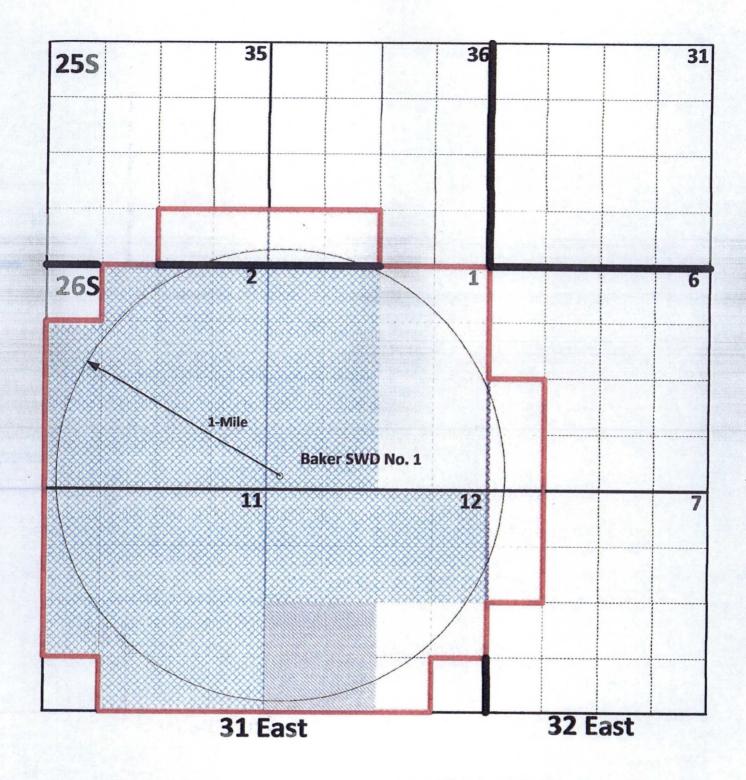
Form C-108
Affirmative Statement
Mesquite SWD, Inc.
Baker SWD No. 1
Section 1. T-26 South, R-31 East, NMPM,
Eddy County, New Mexico

Available geologic and engineering data has been examined and no evidence of open faults or hydrological connection between the injection zone and any underground sources of drinking water has been found.

Riley Neatherlin

Operations Manager - Mesquite SWD. Inc.

Released to Imaging: 10/7/2024 11:36:31 AM



C-108 Application Mesquite SWD, Inc. Baker SWD Well No. 1 1-Mile Notice Area



1-Mile Notice Area Tract 1 Tract 2 Tract 3

Form C-108 Application Mesquite SWD, Inc. Baker SWD No. 1 Section 1, T-26 South, R-31 East, NMPM **Notice List**

Tract 1:

Section 2: E/2, E/2 W/2, SW/4 NW/4 &

W/2 SW/4

Devon Energy Production Co., LP

20 North Broadway

Oklahoma City, OK 73102

Section 11: E/2 W/2:

Devon Energy Production Co., LP

Section 11: E/2, W/2 NW/4 &

NW/4 SW/4

Devon Energy Production Co., LP

XTO Holdings, LLC -810 Houston Street

Fort Worth, Texas 76102

Section 12: N/2:

Devon Energy Production Co., LP

XTO Holdings, LLC

Section 1: W/2:

Devon Energy Production Co., LP

XTO Holdings, LLC

Tract 2:

Section 36: S/2 SW/4:

Mewbourne Oil Company

P.O. Box 5270

Hobbs, New Mexico 88241

Section 35: S/2 SE/4:

Mewbourne Oil Company

Section 12: N/2 SE/4 & SW/4 SE/4:

Mewbourne Oil Company

Section 7: NW/4 NW/4 & SW/4 NW/4:

Mewbourne Oil Company

(Lots 1 & 2)

Section 6: NW/4 SW/4:

Mewbourne Oil Company

(Lot 3)

Chevron USA, Inc. 6301 Deauville Blvd. Midland, Texas 79706 Form C-108 Application
Mesquite SWD, Inc.
Baker SWD No. 1
Section 1, T-26 South, R-31 East, NMPM
Notice List (Page 2)

Section 6: NW/4 SW/4:

(Lot 3) (Cont.)

RBP Land Company Trust
Robert B. Porter Jr., Trustee

P.O. Box 10392

Midland, Texas 79702

Hayes Land, LP P.O. Box 51510

Midland, Texas 79710-1510

Hayes Land & Production, LP

P.O. Box 51407

Midland, Texas 79710

Section 6: SW/4 SW/4:

(Lot 4)

Mewbourne Oil Company

Section 1: NE/4 NE/4:

Mewbourne Oil Company

Section 1: W/2 E/2, NE/4 SE/4 &:

SE/4 NE/4

Mewborne Oil Company

Chevron USA, Inc.

RBP Land Company Trust

Hayes Land, LP

Hayes Land & Production, LP

Section 1: SE/4 SE/4:

Mewbourne Oil Company

Tract 3:

Section 12: SW/4:

EOG Resources, Inc.

P.O. Box 2267

Midland, Texas 79706

ConocoPhillips Company 600 N. Dairy Ashford Rd. Office EC3-10-W285 Houston, Texas 77079 Form C-108 Application
Mesquite SWD, Inc.
Baker SWD No. 1
Section 1, T-26 South, R-31 East, NMPM
Notice List (Page 3)

Additional Notice:

Bureau of Land Management 620 E. Greene Street Carlsbad, New Mexico 88220-6292

(Surface Owner):

Jessie T. & Susan Ann Baker P.O. Box 24 Silver City, New Mexico 88062

September 27, 2018

CERTIFIED MAIL RETURN RECEIPT REQUESTED

TO: See Attached Notice List

Re: Mesquite SWD, Inc.

Form C-108 (Application for Authorization to Inject)

Baker SWD Well No. 1

API No. (Not Yet Assigned)

330' FSL & 309' FWL, Unit M. Section 1, T-26S, R-31E, NMPM,

Eddy County, New Mexico

Ladies & Gentlemen:

Enclosed please find a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for the Mesquite SWD, Inc. Baker SWD No. 1. You are being provided a copy of the application as an offset operator/leaseholder or as the owner of the surface where the proposed well is located. Mesquite SWD, Inc. proposes to drill the Baker SWD No. 1 and utilize the well as a produced water disposal well, injection to occur into the Siluro-Devonian formation through the open-hole interval from approximately 17,300 feet to 18,500 feet.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

If you should have any questions, please contact me at (575) 914-1461.

Sincerely,

Melanie Wilson-Regulatory Analyst Mesquite SWD, Inc. P.O. Box 1479 Carlsbad, New Mexico 88221-1479

Enclosure

Form C-108
Mesquite SWD, Inc.
Baker SWD No. 1
Section 1, T-26 South, R-31 East, NMPM,
Eddy County, New Mexico

The following-described legal advertisement will be published in the:

Artesia Daily Press 503 W. Main Street Artesia, New Mexico 88210-2067

The Affidavit of Publication will be forwarded to the Division upon receipt by Mesquite SWD, Inc.

LEGAL NOTICE

Mesquite SWD, Inc., P.O. Box 1479, Carlsbad, New Mexico 88221-1479, has filed a Form C-108 (Application for Authorization to Inject) with the Oil Conservation Division ("Division") seeking administrative approval to utilize its proposed Baker SWD No. 1 (API No. N/A) to be drilled 330 feet from the South line and 309 feet from the West line (Unit M) of Section 1, Township 26 South, Range 31 East, NMPM, Eddy County, New Mexico and complete the well as a produced water disposal well in the Siluro-Devonian formation. Injection is to occur through the open-hole interval from approximately 17,300 feet to 18,500 feet.

Produced water from the Bone Spring, Wolfcamp and other formations originating from wells in this area will be injected into the Baker SWD No. 1 at average and maximum rates of 30,000 and 40,000 barrels of water per day, respectively. The initial surface injection pressure for the well is anticipated to be at or below 3,460 psi., which is in compliance with Division regulations. The maximum surface injection pressure will be determined by step rate injection test.

Interested parties must file objections with the New Mexico Oil Conservation Division, 1220 S. St Francis Drive, Santa Fe, New Mexico 87505, within 15 days of the date of this publication.

Additional information can be obtained by contacting Ms. Melanie Wilson-Regulatory Analyst-Mesquite SWD, Inc. at (575) 914-1461.



March 27, 2019

Florene Davidson NM Oil Conservation Division 1220 S. St. Francis Drive Santa Fe, NM 87505 Deana M. Bennett Tel: 505.848.1834 Fax: 505.848.9710 deana.bennett@modrall.com

Re: APPLICATION OF MESQUITE SWD, INC
TO APPROVE PRODUCED WATER DISPOSAL
WELL IN EDDY COUNTY, NEW MEXICO

Dear Ms. Davidson:

Enclosed please find a copy of the following:

1. No. ____ Mesquite's Application / Baker SWD Well No. 1

Thank you for your assistance. Please contact me if you have any questions.

Sincerely, Harlehe Schuma

Karlene Schuman Legal Assistant to Deana M. Bennett

Enclosure

Modrall Sperling Roehl Harris & Sisk P.A.

500 Fourth Street NW Suite 1000 Albuquerque, New Mexico 87102

PO Box 2168 Albuquerqué, New Mexico 87103-2168

Tel: 505.848.1800 www.modrall.com

STATE OF NEW MEXICO DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES OIL CONSERVATION DIVISION

APPLICATION OF MESQUITE SWD, INC. TO APPROVE PRODUCED WATER DISPOSAL WELL IN EDDY COUNTY, NEW MEXICO.

CASE	NO.		
CASE	NIA.		

APPLICATION

Mesquite SWD, Inc. ("Mesquite"), OGRID No. 161968, through its undersigned attorneys, hereby makes this application to the Oil Conservation Division pursuant to the provisions Rule No. 19.15.4.8 for an order approving drilling of a produced water disposal well in Eddy County, New Mexico. In support of this application, Mesquite states as follows:

- (1) Mesquite proposes to drill the Baker SWD Well No. 1 well at a surface location 330 feet from the South line and 309 feet from the West line (Unit M) of Section 1, Township 26 South, Range 31 East, NMPM, Eddy County, New Mexico for the purpose of operating a produced water disposal well.
- (2) Mesquite seeks authority to inject produced water into the Siluro-Devonian formation through the open-hole interval from approximately 17,300' to 18,500'.
- (3) Mesquite further seeks approval of the use of 7 inch tubing inside the surface and intermediate casings and 5 ½ inch tubing inside the liner and requests that the Division approve a maximum daily injection rate for the well of 40,000 bbls per day.
- (4) Mesquite anticipates a maximum injection pressure of 3,460 psi, or as controlled by depth.
- (5) On or about September 27, 2018 Mesquite SWD, Inc., filed with the Division, an administrative application for approval of the subject well for produced water disposal.

- (6) Mesquite has determined to request that this matter be set for hearing before a Division Examiner.
 - (7) A proposed C-108 for the subject well is attached hereto in Attachment A.
- (8) The granting of this application will avoid the drilling of unnecessary wells, will prevent waste, and will protect correlative rights.

WHEREFORE, Mesquite requests that this application be set for hearing before an Examiner of the Oil Conservation Division on May 4, 2019; and that after notice and hearing, the Division enter its order approving this application.

Respectfully submitted,

MODRALL, SPERLING, ROEHL, HARRIS & SISK, P.A.

Deana Bennett

Post Office Box 2168

Bank of America Centre

500 Fourth Street NW, Suite 1000

Albuquerque, New Mexico 87103-2168

Telephone: 505.848.1800 Attorneys for Applicant

CASE NO. _____: Application of Mesquite SWD, Inc., for approval of produced water disposal well in Eddy County, New Mexico. Applicant seeks an order approving disposal into the Silurian-Devonian formation through the Baker SWD Well No. 1 well at a surface location 330 feet from the South line and 309 feet from the West line (Unit M) of Section 1, Township 26 South, Range 31 East, NMPM, Eddy County, New Mexico for the purpose of operating a produced water disposal well. Mesquite seeks authority to inject produced water into the Silurian-Devonian formation at a depth of approximately 17,300' to 18,500'. Mesquite further seeks approval of the use of 7 inch tubing inside the surface and intermediate casings and 5 ½ inch tubing inside the liner and requests that the Division approve a maximum daily injection rate for the well of 40,000 bbls per day. Said area is located approximately 22 miles Southwest of Malaga, New Mexico.

APR 02 2019 AMIO:13

Revised March 23, 2017

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			9/27/2018	
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Melanie Wilson			Dale	
Print or Type Name				
	·		(575) 914-1461	
			Phone Number	
<u>. نین دید ساید مونی ا</u>		<u> </u>	mjp1692@gmail.com	en de la companya de Companya de la companya de la compa
Signature		•	e-mail Address	
~				

September 27, 2018

Energy, Minerals and Natural Resources Department Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Attention: Ms. Heather Riley

Division Director

Re: Form C-108

Baker SWD Well No. 1 API No. (Not Yet Assigned) 330' FSL & 309' FWL, Unit M Section 1, T-26S, R-31E, NMPM, Eddy County, New Mexico

Dear Ms. Riley,

Enclosed please find a Division Form C-108 (Application for Authorization to Inject) for the Mesquite SWD, Inc. Baker SWD Well No. 1. Mesquite SWD, Inc. proposes to drill and utilize this well as a produced water disposal well, injection to occur into the Siluro-Devonian formation through the open-hole interval from approximately 17,300 feet to 18,500 feet. Produced water from the Bone Spring, Wolfcamp and other formations originating from wells in this area will be injected into the well.

I believe that all the information necessary to approve the application is enclosed. If additional information is needed, please contact me at (575) 914-1461.

Sincerely,

Melanie Wilson-Regulatory Analyst Mesquite SWD, Inc. P.O. Box 1479 Carlsbad, New Mexico 88221-1479

Xc: OCD-Artesia

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

İ.	PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Storage Application qualifies for administrative approval? Yes No
Н,	OPERATOR: Mesquite SWD, Inc.
	ADDRESS: P.O. Box 1479, Carlsbad, New Mexico 88221-1479
	CONTACT PARTY: Melanie Wilson PHONE: 575-914-1461
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 X 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:
	 Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and, 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: Melanie Wilson TETLE: Regulatory Analyst
	SIGNATURE: DATE: 9/27/18
*	E-MAIL ADDRESS: mjp1692@gmail.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:
DIST	RIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

Side 2

HI. 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 specific 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.

DISTRICT I

1825 N. FRENCH DR. HOSBS. NN 88240
Energy, Minerals & Natural Resources Department

DISTRICT II

BI1 S. FIRST ST., ARTESIA, NN 88210
Phone: (576) 748-1283 Fax: (576) 748-9720

DISTRICT III

DISTRICT III

DISTRICT III

DISTRICT III

DISTRICT III

State of New Mexico

OIL

CONSERVATION

1220 SOUTH ST. FRANCIS DR.

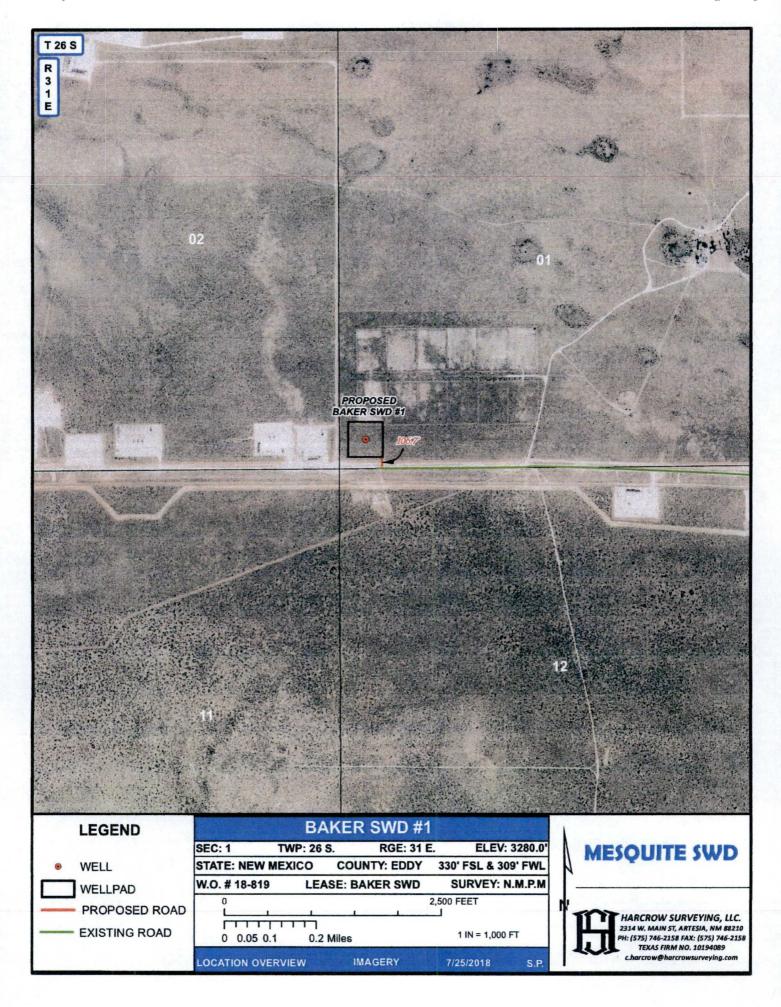
Santa Fe, New Mexico 87505

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

	DR., SANTA FE. 80 Fax: (505)		WELL LC	CATION	AND ACREA	GE DEDICATI	ON PLAT		• • • • • • • • • • • • • • • • • • • •
API	Number			Pool Code			Pool Name		
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Property	Code				Property Nan BAKER SV			Well Num	iber
OGRID N	o .				Operator Nam MESQUITE			Elevation 3280	
					Surface Loc	ation			
L or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
М	1	26-S	31-E		330	SOUTH	309	WEST	EDDY
			Bottom	Hole Loc	cation If Diffe	rent From Sur	face		
	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L or lot No.									
L or lot No.	s Joint o	r Infill C	onsolidation	Code Or	der No.				

OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

		
		OPERATOR CERTIFICATION
100	1	I hereby certify that the information 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 pursuent to a contract with an
		owner of such mineral or working interest, or to a voluntary pooling agreement or a
		compulsory pooling order heretofore entered by the division.
<u> </u>	<u> </u>	by the division.
		Signature Date
Programme Agran		
		Printed Name
		E-mail Address
	1	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 supervision, and that the same is
		true and correct to the best of my belief.
		JULY 20, 2018
		Date of Survey Signature & Seal of Professional Surveyor
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		HARCO
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		(No. 10)
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NAD 83 NME		
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INJECTION WELL DATA SHEET

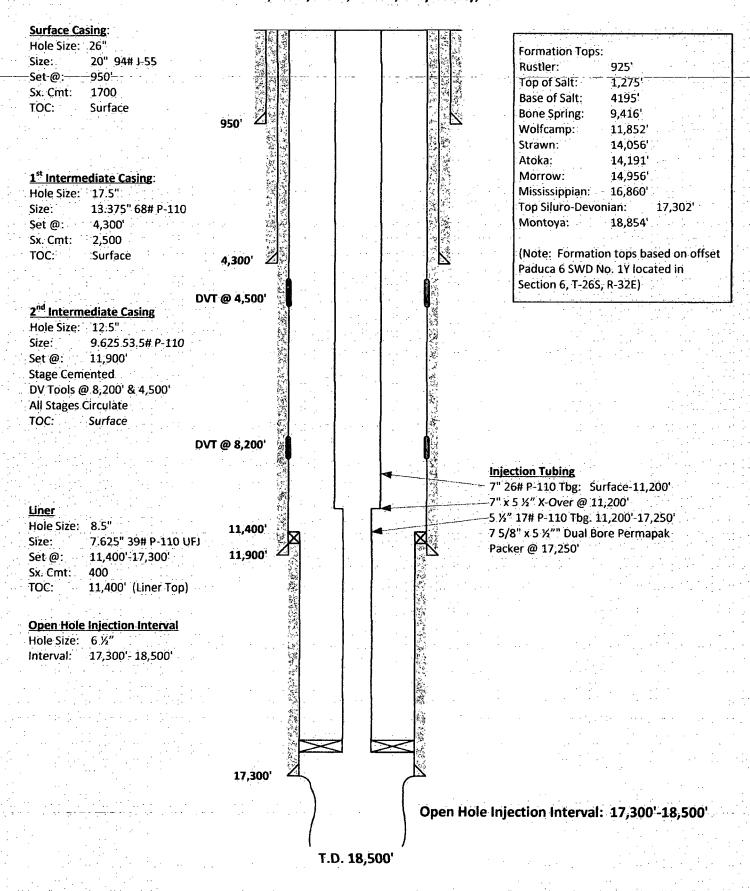
OPERATOR: Me	esquite SWD, Inc.				
WELL NAME & NU	JMBER: Baker SWD We	ell No. 1	anja ang palangia		
WELL LOCATION:	330' FSL & 309' FWL	M	1	265	31E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE
WELLBORE SCHE	MATIC	WELL CONST	RUCTION D	ATA	
(SEE ATTACHED)					
		Surrace	e Casing		
	Hole Size: 26"	entrale established	Casing	Size: 20" 941	# J-55 BTC
	Cemented with: 1700				ft ³
	Top of Cement: Surf	ace	Metho	d Determined	l: Circulate
		a et	4		
		1 st Intern	nediate Casii	<u>ng</u>	
	Hole Size: 17.5"		Casing	Size: 13.375	″ 68# D-110
	Cemented with: 2500	SX.	or	JIZC <u>. 13.373</u>	ft ³
	Top of Cement: Surf		· —	d Determined	
		2nd Inter	mediate Cas	ing	
	Hole Size: 12.5"		Cacing	Siza: 0.625"	53.5# P-110 BTC
	Cemented with: 2,800				33.3# F-110 B1C
	Top of Cement: Surf			d Determined	l: Circulate
		<u>L</u>	<u>iner</u>		
	11-1- Ct: 0.5"			c	2045 440 11511
	Hole Size: 8.5" Cemented with:	400 sx.		.Size <u>: 7.625".</u>	39# P-110 UFJ Line ft ³
	Top of Cement: 11,4		or Metho	d Determined	
	-F				
	Total Depth: Approx	<u>imately 18,500'</u>			
		Injection	on Interval		
	Amanavi	mataly 17 2001	T- 10 COO		
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Tubing Size	e: Tapered String 7" 26#	P-110/5 ½" 17# F	2-110 Lining	Material: Fi	berglass Coated
	cker: Lok-Set or Equi				
	ting Depth: Approx				
Other Type	of Tubing/Casing Seal (if a	pplicable):			4

Additional Data

1.	Is this a new well drilled for injection: X Yes No	
	If no, for what purpose was the well originally drilled?	
2.	Name of Injection Formation: Siluro-Devonian	
3.	Name of Field or Pool (if applicable): SWD; Devonian	* * .
		• .
·. : .		
4.	Has the well ever been perforated in any other zone(s)? List all such perforated intervals	1.00
	and give plugging detail, i.e. sacks of cement or plug(s) used: None	
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5.	Give the name and depths of any oil or gas zones underlying or overlying the proposed	***************************************
	injection zone in this area: According to OCD pool records, the only pool existing in Secti	on 1 is the
	Purple Sage-Wolfcamp (Gas) Pool (Depth 12,000'). Within the area surrounding Section 1	are the
	following pools: Southeast Big Sinks-Delaware & Big Sinks-Delaware Pools (Depth: 4,172'); Jennings
	Bone Spring Upper Shale Pool; (Depths: 8,700'-9,100');	

(Note: See attached OCD Pool Maps)

Mesquite SWD, Inc. Baker SWD No. 1: Proposed Wellbore Schematic 330' FSL & 309' FWL (Unit M) Section 1, T-26S, R-31E, NMPM, Eddy County, NM



C-108 Application
Mesquite SWD, Inc.
Baker SWD No. 1
330' FSL & 309' FWL (Unit M)
Section 1, T-26S, R-31E, NMPM
Eddy County, New Mexico

- I. The purpose of the application is to request approval to utilize the proposed Baker SWD No. 1 as a produced water disposal well. This is a new well to be drilled for injection.
- II. Mesquite SWD, Inc.
 P.O. Box 1479
 Carlsbad, New Mexico 88221-1479
 Contact Party: Melanie Wilson (575) 914-1461
- III. Injection well data sheet and wellbore schematic diagram showing the proposed wellbore configuration is attached.
- IV. This is not an expansion of an existing project.
- V. Attached are maps that identify all wells/leases within a 2-mile and 1-mile radius of the proposed water disposal well and a map that identifies the 1-mile "Area of Review" ("AOR").
- VI. A listing of all wells within the AOR, including API No., operator, well name & number, well type and status, surface and bottomhole well locations, MD and TVD and completed formation is attached. An examination of the AOR well listing shows that none of the 31 active or proposed wells within the AOR penetrate, or will penetrate the proposed injection interval. In addition, none of the four PA'd wells within the AOR penetrate the proposed injection interval.
- The average injection rate is anticipated to be approximately 30,000 BWPD. The maximum rate will be approximately 40,000 BWPD. If the average or maximum rates increase in the future, the Division will be notified.
 - 2. This will be a closed system.
 - 3. Mesquite SWD, Inc. will initially inject water into the subject well at or below a surface injection pressure in compliance with the Division's limit of 0.2 psi/ft., or approximately 3,460 psi. If a surface injection pressure above 3,460 psi is necessary, Mesquite SWD, Inc. will conduct a step rate injection test to determine the fracture pressure of the Siluro-Devonian formation in this area.

Mesquite SWD, Inc. Form C-108 (Application for Authorization to Inject) Baker SWD No. 1 Page 2

- 4. Produced water from the Bone Spring, Wolfcamp, Delaware and other producing formations originating from wells in this area-will be injected into the subject well. Attached are produced water analysis from various producing wells in Township 26 South, Range 31 East that produce from the Delaware, Bone Spring and Wolfcamp formations. These produced water analyses were obtained from the GO Tech website.
- 5. An examination of Division records indicate that the Siluro-Devonian formation is not productive within one mile of the Baker SWD No. 1. A produced water analysis from the Devonian formation within the Remuda Basin Unit Well No. 1, located in Section 24, Township 23 South, Range 29 East, NMPM, Eddy County, New Mexico, was obtained from the Go Tech website, and is attached to this application. This produced water analysis shows a TDS of 56,922 Mg/L.

VIII. Geologic Formation: Devonian/Silurian

Estimated Top: 17,302'
Thickness: 1,552'

Lithology: Limestone w/Interbedded Dolomites

(Note: The top of the Devonian interval cited above was determined by examination of the well file for the offset Paduca 6 SWD No. 1Y, located in Unit E of Section 6, Township 26 South, Range 32 East, NMPM. This well is located approximately 1.25 miles Northeast of the proposed Baker SWD No. 1, and was permitted for injection into the Devonian interval by Order No. SWD-1607-A issued on August 17, 2016. Division records also indicate that this well is active, is currently injecting approximately 17,656 BWPD into the Devonian interval, and has cumulatively injected 6,666,203 barrels of water).

(Note: An examination of OCD well records indicate that there are no additional produced water disposal wells located within the nine-section area surrounding Section 1, T-26S, R-31E, NMPM.)

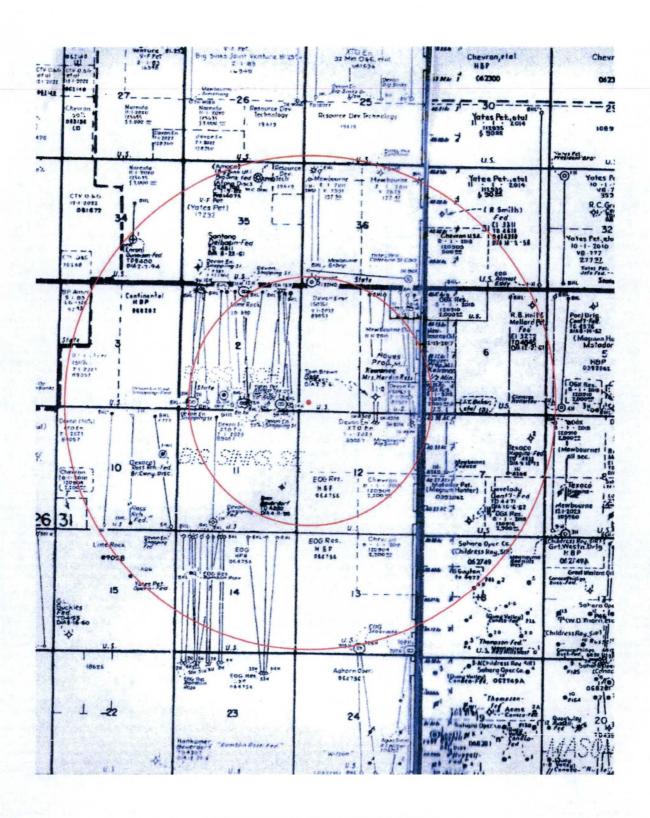
USDW's: According to data obtained from the New Mexico

State Engineer, there are four fresh water wells located within one mile of the Baker SWD No. 1 (See Attached). These wells range in depth from 350 feet to 700 feet, and the depth to water averages 335 feet. Mesquite SWD, Inc. will attempt to obtain a water sample from one of these wells and forward a fresh water analysis to the Division when

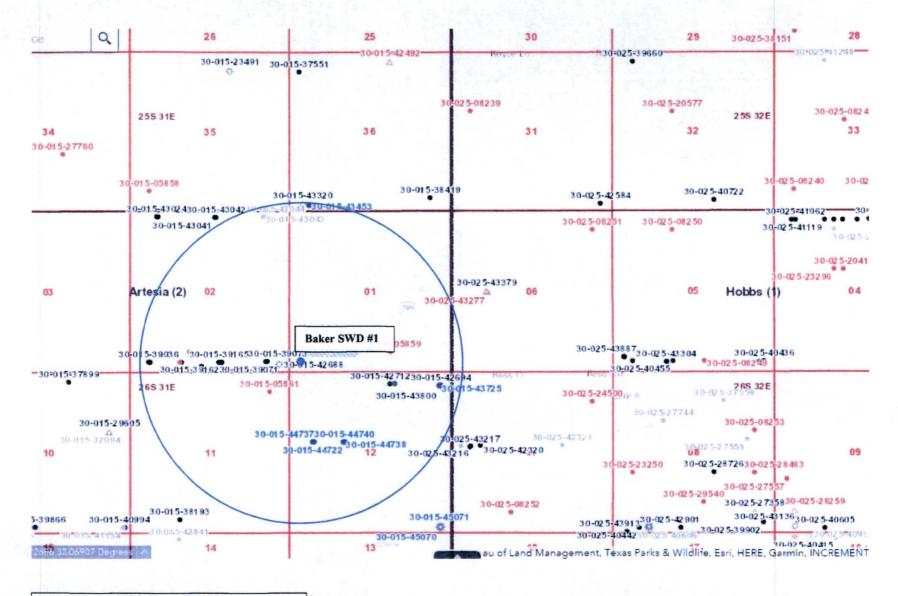
obtained.

Mesquite SWD, Inc. Form C-108 (Application for Authorization to Inject) Baker SWD No. 1 Page 3

- IX. Formation chemical stimulation may be applied after completion. No other stimulation is currently planned.
- Logs will be filed subsequent to the completion of drilling operations.
 Density-Neutron is planned to be run from surface to TD.
- XI. There are four fresh water wells located within a one-mile radius of the Baker SWD No. 1. (See attached report from the OSE).
- XII. Affirmative statement is enclosed.
- XIII. Proof of Notice is enclosed.



Mesquite SWD, Inc.
Form C-108; Baker SWD No. 1
1-Mile & 2-Mile Lease Map



Mesquite SWD, Inc. Form C-108: Baker SWD No. 1 1-Mile Area of Review Map

MESQUITE SWD, INC. BAKER SWD WELL NO. 1 ONE-MILE AREA OF REVIEW WELL LIST

API NUMBER		LEASE NAME	WELL NO.	WELL	STATUS	FTG.	N/S	FTG.	E/W	UNIT	SEC.	TSHP.	RNG	TVD	MD	COMPLETION
, , , , , , , , , , , , , , , , , , , 		NAME	NO.			- NO		, 67.00	11.			1300 130		100001111111111111111111111111111111111	-14, K. 18.44	Colored Comments B
30-015-44737	Devon Energy Prod. Co. LP	Snapping 12 1 Fed	521H	Oil	NYD.	2325'	N	810	W	Ε	12	26S	31E	8,713' *	15,794' *	Bone Spring
					BHL	330'	N	550'	W	D	1	268	31E			
00.045							L	1 1						2		
30-015-44738	Devon Energy Prod. Co. LP	Snapping 12 1 Fed	522H	··Oil	NYD	2325	N	1790'		F	12	265	31E	8,753' *	16,170' *	Bone Spring
<u> </u>					BHL	330'	N	1430'	VV	С		268	31E			
30-015-44758	Devon Energy Prod. Co. LP	Snapping 12 1 Fed	523H	Oil	NYD	2325	N	1880	W	F	12	268	31E	8,773' *	16,198' *	Bone Spring
					BHL	330	N	2310'		С	1	26S	31E			
					: :			. :					Ĺ			
30-015-44721	Devon Energy Prod. Co. LP	Snapping 12 1 Fed	531H	Oil	NYD	2325	N	780	W	E	12	265	31E	8,983' *	16,064' *	Bone Spring
					BHL	330'	N	500'	W	D	1	268	31E	·		
30-015-44739	Devon Energy Prod. Co. LP	Snapping 12 1 Fed	532H	Oil	NYD	2325	N	840'	w	E	12	26S	31E	8,973' *	16.084' *	Bone Spring
	3		00211		BHL	330'	N	1320		D	1	265	31E	0,01,0	10,00	DOTIC OPTING
					. :							5.1				
30-015-44722	Devon Energy Prod. Co. LP	Snapping 12 1 Fed	533H	Oil	- NYD	2325'	N	1850'		F	-12	26S	31E	9,013' *	16,379' *	Bone Spring
			1		BHL	330'	N	2140'	W	С	1	265	31E	- : -		
30-015-44740	Devon Energy Prod. Co. LP	Snapping 12 1 Fed	623H	Oil	NYD	2325'	N	1820'	w	F	12	26S	31F	11,541'.*	18,958'.*	Wolfcamp
	Deven Energy (fee. Co. E.	Chapping 12 11 00	OZOI I	-	BHL	330'	N	2090		С	1	26S	31E	11,041	10,330	·
				1	1 1 11							1				
30-015-42694	Mewbourne Oil Company	Big Sinks 1 A2 PA Fed Com	1H	Oil	Active	465'	N	460'	· E	Α	12	265	31E	8,838'	13,965	Bone Spring
<u> </u>		<u> </u>	<u> </u>		BHL	354	N.	482'	W	Α	.:1:	265	31E			
30-015-43318	Mewbourne Oil Company	Big Sinks 1 A2OB Fee	1H	Oil	NYD	410'	N	1850'	E	В	12	26S	31E	9,097' *	13,938' *	Bone Spring
30-013-43316	Mewodanie On Company	Dig Siliks 1 AZOD1 ee		0"	BHL	330	N	1650		В	1	26S	31E	3,037	13,830	Done Spring
				5 5 5 7					-	-						
30-015-42712	Mewbourne Oil Company	Big Sinks 1 A30B Fee	2H	Oil	Active	410'	. N	1980	E	В	12	265	31E	9,131	14,295'	Bone Spring
<u>.l.,, .</u>					BHL	337'	N	2275	E	В	1 .	268	31E	1		
30-015-43725	Mewbourne Oil Company	Big Sinks 1 B2 PA Fed Com	3H	Oil	NYD	465'	N	395'	E		12	26S	215	10,317' *	15 607' *	Pana Chri
JU-010-43/25	Mewbourne On Company	Bly Siliks 1 b2 FA Fed Com	<u> </u>	UII	BHL	330'	N	660'	E	A	12	26S	31E	10,317	13,027	Bone Spring
Tin on the					U116		-	1000	 	-				<u> </u>		
30-015-43800	Mewbourne Oil Company	Big Sinks 1 W1PA Fed Com	2H	Gas	Active	465'	N	330	Е	Α	12	26S	31E	12,071	17,430	Wolfcamp
					BHL	330'	N	330	·E	Α.	1	265	31E	: ; ; ; ;		:
30-015-43453	Mewbourne Oil Company	BEBOP 36 B2MD State	4	0.1	NVO	105	<u> </u>	000	180		. 20	050	04-	0.0001 =	44.0001	. Bana 0
30-013-43453	wewbourne Oil Company	BEBUP 30 BZMU State	1H	Oil	NYD BHL	185' 330'	S N	660'	W	M D	36 36	25S 25S	31E		14,880' *	Bone Spring
ليننسب		<u> </u>	Ľ		DUL	1 330	I IN	1 000	I AA		- 36	255	315	<u> </u>		

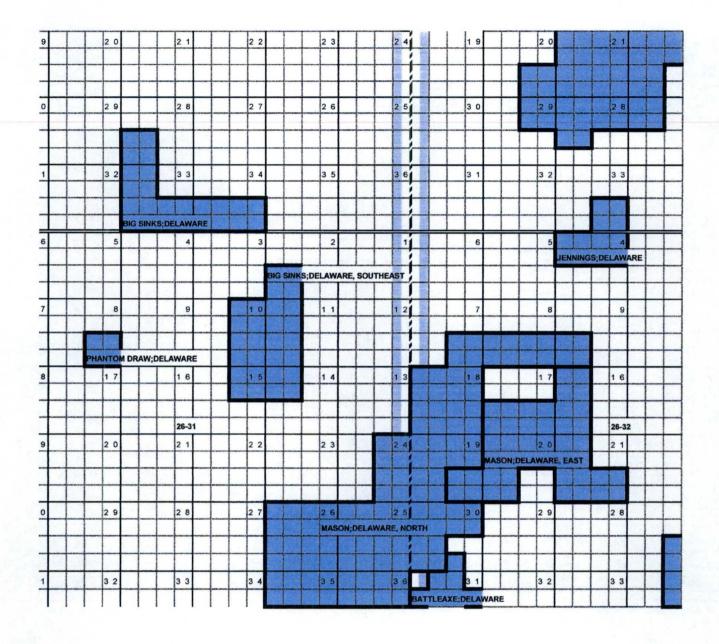
Page 1

MESQUITE SWD, INC. BAKER SWD WELL NO. 1 ONE-MILE AREA OF REVIEW WELL LIST

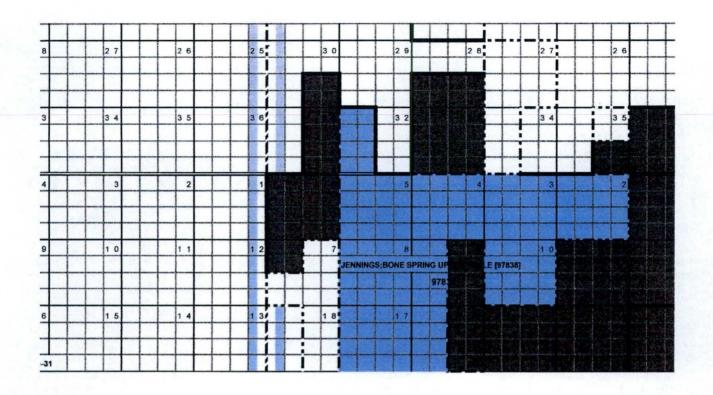
API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL	STATUS	FTG: N/S	N/S	FTG:	E/W	UNIT	SEC.	TSHP	RNG.	TVD	MD	COMPLETION
1 1 1 1 1 1 1 1 1 1 1 1	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5					+ + + + + + + + + + + + + + + + + + +				***	\$ (a. 162	. 24.7	A. Sanda Be	1		
30-015-43320	Mewbourne Oil Company	BEBOP 36 W1MD State	2H	Gas	Active BHL	185'	S	450'	W	M	36	255	31E	12,038'	16,550'	Wolfcamp
				·	BHL	338'	N	532'	W	D	36	255	31E	! .		
30-015-39104	Devon Energy Prod. Co. LP	Snapping 2 State	1Y	Oil	Active	330'	s	1710	w	N	2	26S	31E	8,574'	13,007	Bone Spring
					BHL	343'	N	1650	W	С	2	265	31E			
30-015-39035	Devon Energy Prod. Co. LP	Snapping 2 State	2H	Oil	Active	330'	S	680'	W	M	2	268	31E	8,966'	13,600'	Bone Spring
· .	<u> </u>		 		BHL	330'	N	990'	W	D	2	268	31E		 	
30-015-39036	Devon Energy Prod. Co. LP	Snapping 2 State	3H	Oil	Active	330'	s	630'	W	М	2	26S	31E	8.560'	13,136'	Bone Spring
		Griaphing 2 Grand	-		BHL	355'	N	390	W	D	2	268	31E	0,000	10,100	- Done oping
													. 1			
30-015-39071	Devon Energy Prod. Co. LP	Snapping 2 State	4H	Oil	Active	330'	S	735'	E	P	2	26S	31E	9,054	13,539	Bone Spring
<u> </u>		<u> </u>			BHL	342'	N.	413'	E	A_	2	26S	31E		1	
30-015-39073	Devon Energy Prod. Co. LP	Snapping 2 State	5H	Oil :	Active	330'	s	785'	E	Р	2	26S	31E	8,607	13,122'	Bone Spring
00 010 00010	DOVON Energy 1 rod. Co. El	. Griapping 2 State	3,1	· · · ·	BHL	346'	N	1037	Ē	A	2	26S	31E	0,007	13,122	Done Spring
					•						: -			: 5 [:
30-015-39162	Devon Energy Prod. Co. LP	Snapping 2 State	6H	Oil	Active	330	. \$	2260		0	: 2	26S	31E	:9,004'	13,798'	Bone Spring
				٠.	BHL	350'	N	1712'	E	В	2	268	31E	<u> </u>	<u> </u>	
30-015-39163	Devon Energy Prod. Co. LP	Snapping 2 State	7H	.Oil	Active	330'	s	2310'	E	. 0	2	26S	31E	8,550'	13,102	Bana Carina
30-013-39103	Devoil Ellergy Flod. Co. EF	Snapping 2 State	/ 17	.Uii	BHL	353'	N	2306		В	2	26S	31E	0,550	13,102	Bone Spring
·			1				-		-		-		V		†	
30-015-39165	Devon Energy Prod. Co. LP	Snapping 2 State	8H	Oil	Active	330'	S	2360'		0	2	26S	31E.	8,981	13,654'	Bone Spring
			1	:	BHL	400'	N	2337'	W	С	2	268	31E	- :!		
20.045.42022	Davis Fast Ca ID	Si 8 64-44-		011	Alphi	2001	 	000	101			000	045	40.044	1.44.0051	
30-015-43023	Devon Energy Prod. Co. LP	Snapping 2 State	9H	Oil	Active BHL	200' 348'	S	880'	W	D M	2	26S	31E	10,214	14,825'	Bone Spring
			 		DIL	340	3	410	**	171		200	JIE	1		
30-015-43024	Devon Energy Prod. Co. LP	Snapping 2 State	10H	Oil	Active	200'	:N	930'	W	D	2	26S	31E	10,204	14,766'	Bone Spring
4					BHL	350'	S	410'	W.	M	2	265.	31E			
20.045.405.5																
30-015-43041	Devon Energy Prod. Co. LP	Snapping 2 State	11H	Oil	Active	220'	N	2490		В	2	265	31E	10,242'	14,811'	Bone Spring
				1 1 11	BHL	340'	S	2183	· VV	N	2	268	31E	1	1	<u>, , , , , , , , , , , , , , , , , , , </u>
30-015-43042	Devon Energy Prod. Co. LP	Snapping 2 State	12H	Oil	Active	229'	N	2440'	E	В	2	26S	31E	10,239	14,790	Bone Spring
	A				BHL	342'		2215		0	2	268	31E	1 1	1	

MESQUITE SWD, INC. BAKER SWD WELL NO. 1 ONE-MILE AREA OF REVIEW WELL LIST

APINUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. N/S	N/S	FTG.	E/W	UNIT	SEC.	TSHP.	RNG.	TVD	MD	COMPLETION
30-015-42113	Devon Energy Prod. Co. LP	Snapping 2 State	13H	Oil	Active	200'	S	2375	w	N	2	26S	31E	11,430'	15,990'	Bone Spring
1	3000.2.10137.1.00.00.2.	Ondpping 2 Oldio		<u> </u>	BHL	327		1967	W	Ċ	2	26S	31E	11,400	15,550	Dono opinig
30-015-42688	Devon Energy Prod. Co. LP	Snapping 2 State	14H	Gas	Active	250	s	330'	E	P	2	26S	31E	12.022	16,548'	Wolfcamp
12000	DOVERT Energy 1100. OU. E.	Ondphilg 2 Oldio	1714	Cau	BHL	325'	Ň	670	E	Α	2	265	31E	12,022	10,040	vvoncamp
30.015.29102	Devon Energy Prod. Co. LP	Snapping 11 Federal	1H	.Oil	Active	430'	s	1650	W	N	11	26S	31E	8,529'	12,985'	Dana Casina
30-013-30133	Devoli Ellergy Floo. Co. LF	Shapping 11 Federal		.Oii	BHL	330	N	1655'	W	C	11	26S	31E	6,529	12,965	Bone Spring
22 245 45272								1.7								
30-015-45070	Mewbourne Oil Company	Sumideros 12 W1PA Fed Com	1H	Gas	NYD BHL	185' 330'	. N	330'	E	A	12	26S	31E	12,021' *	16,765' *	Wolfcamp
				·	- Dric	000	- 1	330	-			200				
30-015-45071	Mewbourne Oil Company	Sumideros 12 W1PA Fed Com	2H	Gas	NYD	185'	S	380'	E	Р	12	26S		11,708' *	16,489' *	Wolfcamp
<u> </u>					BHL	330'	N	990'	E	Α.	12	268	31E		ئے۔ا	· · · · · · · · · · · · · · · · · · ·
·	PA'd Wells	Within the AOR. N	lo W	<u>ells</u>	Penet	rate	th	e Sil	urc	-De	von	<u>ian l</u>	nter	val		·
30-015-05859	Tom Brown Drilling Co.	Ross	1		PA	660'	S	1980	Е	0	1	265	31E	4.450	PA 3/61	Dalaman
30-013-03639	TORE BROWN DINNING CO.	Ross	-	Dry	FA	660	3	1960	-	0		203	SIE	4,452'	PA 3/61	Delaware
30-015-24277	. Devon Energy Prod. Co. LP	Almost Texas Unit	1	Gas	PA	660'	S	1980'	W	N	2	26S	31E	15,900'	PA 8/17	Wolfcamp/Morroy
30-015-38982	Devon Energy Prod. Co. LP	Snapping 2 State	1	N/A	PA	330'	s	1660'	w	N	2	265	31E	150'	PA 6/11	Stuck Pipe
, 1			_:	:			:	1		12.	3.3				1	
30-015-05861																
	The Ibex Company	Bauerdorf	1	Dry	PA	660'	N	660'	E.	Α	11	26S	31E	4,282'	PA 5/55	Delaware
	The loex Company	Bauerdorf	1	Dry	PA	660'	N	660'	E	Α	11	268	31E	4,282'	PA 5/55	Delaware
	The fibex Company	Bauerdon	1	Dry	PA	660'	N	660'	<u> </u>	A	11	26S	31E	4,282'	PA 5/55	Delaware
	The ribex Company	Bauerdon	1	Dry	PA	660'	N	660'	E .	A	11	26S	31E	4,282'	PA 5/55	Delaware
	The flex Company	Bauerdon		Dry	PA	660'	N	660'		A	11	26S	31E	4,282'	PA 5/55	Delaware
	The flex Company	Bauerdon		Dry	PA	660	N	660'		A	11	265	31E	4,282'	PA 5/55	Delaware
		Bauerdon		Dry	PA	660'	N	660'		A	11	26S	31E	4,282'	PA 5/55	Delaware
		Bauerdon		Dry	PA	660'	N	660'		A	11	268	31E	4,282	PA 5/55	Delaware
		Bauerdon		Dry	PA	660'	N	660'		A	11	268	31E	4,282'		Delaware
		Bauerdon		Dry	PA	660'	N	660'				268	31E	4,282'	PA 5/55	Delaware
		Bauerdon		Dry	PA	660	N	660'				26S	31E	4,282'		Delaware
* TVD & M				Dry	PA	660'	N	660'				26S	31E	4,282'		Delaware



Mesquite SWD, Inc. Form C-108; Baker SWD No. 1 OCD Designated Delaware Pools



Mesquite SWD, Inc. Form C-108; Baker SWD No. 1 OCD Designated Bone Spring Pools

		26-31					98065		98065		
							WC-025 G	-08 S263205N;	OLFCAMP [98	065]	
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Mesquite SWD, Inc. Form C-108; Baker SWD No. 1 OCD Designated Wolfcamp Pools

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T				PADUC	A;DEVONIAN (GAS		-	
	25-31						25-32	
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Mesquite SWD, Inc. Form C-108; Baker SWD No. 1 OCD Designated Devonian Pools

1			_ :				;	1000			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
Well Name	Section	Township	Range	Unit	Formation	Ph	TDS/Mg/I	Sodium Mg/i	Calcium Mg/I	Iron Mg/I	Magnisium Mg/I	Manganese Mg/l	Chloride Mg/i	Bicarbonate M	g/l Sulfate N	lg/i co:	2 Mg/l
SNAPPING 2 STATE #013H	2	26S	31E .	N	BONE SPRING 3RD SAND	6.5	94965.6	31352.7	3678.6	31.7	483.6	0.83	57489.5	2	44	. 0 -	200
SNAPPING 2 STATE #013H	2	265	31E	N	BONE SPRING 3RD SAND	7.	94518.2	30031.5	3402.8	19.9	438.9	• • • • • • • • • • • • • • • • • • • •	58782.2		35	5.2	200
SNAPPING 2 STATE #013H	2	265	31E	· N	BONE SPRING 3RD SAND	7.2	94863.9	30224.8	3424	14.8	444		59015.2			365	200
SNAPPING 2 STATE #014H	2	265	31E	• Р.	WOLFCAMP	7.3	81366.4	26319.4	2687.4	26.1	326.7		50281.2	. i	39	9.7	100
SNAPPING 2 STATE #013H	2	265	31E	. N	BONE SPRING 3RD SAND	6.8	91289.1	28721.3	3440.7	16.3			56957.4		32	7.9	150
ROSS RANCH 10 FEDERAL #001	10	265	31€	Ĥ:		6.3	111430.5	38922.4	3647.3	76.8	487.9	1.05	66173.2	3	66	. 0	300
ROSS RANCH 10 FEDERAL #001	10	265	31E	н:		. 7	54116.9	46100	5224	349.6	719.3	3.73	0	: i . 7:	3.2	0	570
SNAPPING 10 FEDERAL #005H	10	. 265	31E	P	BONE SPRING 2ND SAND	6.6	138161.9	44458.5	6280.8	29.7	781.3		84470	1	22	0	20
SNAPPING 10 FEDERAL #005H	10	265	31E	Ρ.	BONE SPRING 2ND SAND	6.6	138376	44458.5	6280.8	29.7	781.3	0	84470	1	22	518	. 20
SNAPPING 10 FEDERAL #001H	10	265	31E :	· B ·	AVALON UPPER:	6.5	199638.8	68948.2	7560.4	111.2	1522.8	2:19	118195	: 7	32	0	500
SNAPPING 11 FEDERAL #001H	11	26S	31E	N.	AVALON UPPER	6.1	225189.8	77010.7	8743.8	636.1	1649.2	6.75	134075	3	66	0	300
SNAPPING 2 STATE #003H	2	265	31E	M	AVALON UPPER	6:1	223019	76001.7	10437.8	209.9	1922.4	4,5	131072	. 3	66	532	1100
SNAPPING 2 STATE #00GH	2	265	31E	0.	AVALON UPPER:	6.5	179788.5	71575.7	617.4	21.8	109.6	. 0	101374	36	60	:0	500
SNAPPING 2 STATE #006H	2	.265	31E	.0	AVALON UPPER	6.5	179938	71575.7	617.4	21.8	109.6	. 0	101374	36	60	844	500
SNAPPING 10 FEDERAL #003H	10	265	31E	N	BONE SPRING 2ND SAND	6.5	152439.2	48495.7	6731.3	29.1	801.4	1.06	94055	-2	44	0	100
E D WHITE FEDERAL NCT 1 #003	26	265	31E	0 .	DELAWARE		212112	e de la Company	•				132100	. 1	95	125	
SNAPPING 10 FÉDERAL #001H	10	265	31E	В	AVALON UPPER	7.1	209352.4	70089.5	7327	203	1557	2.5	127230	140	5.4	500	600
SNAPPING 11 FEDERAL #001H	11	. 265	31E	N	AVALON UPPER	7	196576.7	68797.3	5059	12	1066	0.9	118943			372	380
SNAPPING 11 FEDERAL #001H	11	265	31E	N	AVALON UPPER	. 7	203078.9	72261.4	4407	112		1.5	122172	10		558	80
SNAPPING 2 STATE #001Y	2	265	31E	N	AVALON UPPER	7	162560.1	57137	3886	42		0.6	97161	14		756 -	70

Mesquite SWD, Inc. Form C-108; Baker SWD No. 1 Source Water Analysis

	Well Name	Section Township	Range Unit Field	Formation Sample Source	TDS Mg/I Chloride Mg/I Bicarbonate Mg/	I Sulfate Mg/I
•						
	REMUDA BASIN UNIT #001	24 235	29E J REMUDA	DEVONIAN SWAB	56922 29000 1740	4980

Mesquite SWD, Inc.
Form C-108; Baker SWD No. 1
Devonian Water Analysis



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)

ROD Number	Sub- Code basin	Count	Q. v 64	Q 16	Q 4 Se	: Tws	Rna	X	· · · · · · · · · · · · · · · · · · ·	Depth Well	Depth Water	Water Column
C 02090	С	ED							3548533*	350	335	15
C 03554 POD1	CUB	ED.	2	1 4	4 01	26S	31E	620547	3549148	630	300	330
C 03639 POD1	CUB	ED	3	4 :	2 01	26S	31E	620168	3549279	700	365	335
C 04256 POD1	CUB	ED	4	4 .:	2 01	268	31E	620384	3549257	666	340	326

Average Depth to Water.

Minimum Depth: 300 feet

Maximum Depth: 365 feet

Record Count: 4

PLSS Search:

Section(s): 1, 2, 11, 12

Mesquite SWD. Inc. Form C-108; Baker SWD No. 1 Office of the State Engineer Fresh Water Well Data

*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.

8/7/18 2:00 PM

Page 1 of 1

WATER COLUMN/ AVERAGE DEPTH TO WATER

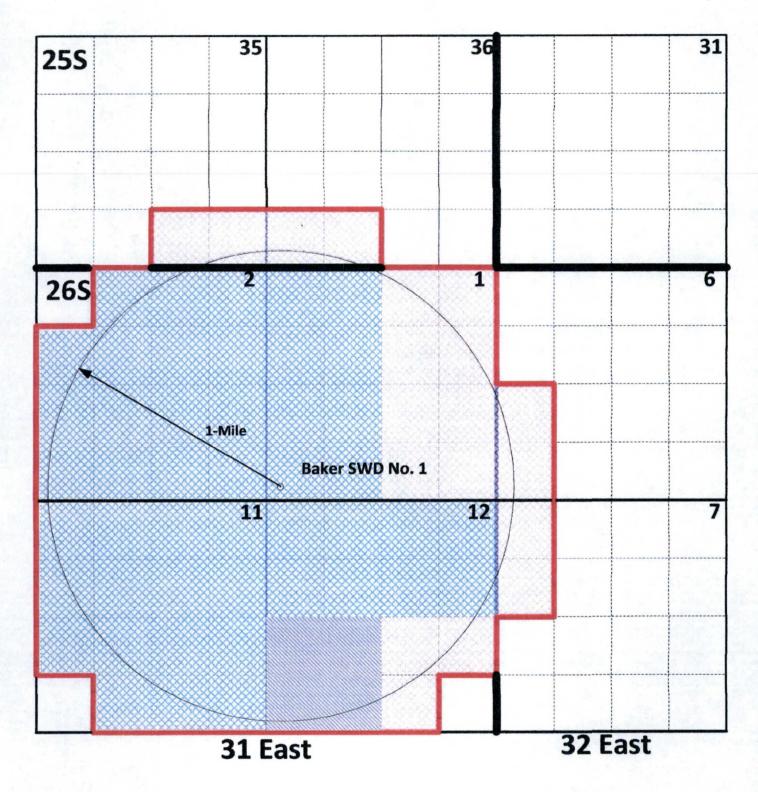
Form C-108
Affirmative Statement
Mesquite SWD, Inc.
Baker SWD No. 1
Section 1, T-26 South, R-31 East, NMPM,
Eddy County, New Mexico

Available geologic and engineering data has been examined and no evidence of open faults or hydrological connection between the injection zone and any underground sources of drinking water has been found.

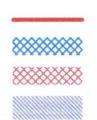
Riley Neatherlin

Operations Manager - Mesquite SWD, Inc.

Released to Imaging: 10/7/2024 11:36:31 AM



C-108 Application Mesquite SWD, Inc. Baker SWD Well No. 1 1-Mile Notice Area



1-Mile Notice Area

Tract 1

Tract 2

Tract 3

Form C-108 Application
Mesquite SWD, Inc.
Baker SWD No. 1
Section 1, T-26 South, R-31 East, NMPM
Notice List

Tract 1:

Section 2: E/2, E/2 W/2, SW/4 NW/4 &

W/2 SW/4

Devon Energy Production Co., LP

20 North Broadway

Oklahoma City, OK 73102

Section 11: E/2 W/2:

Devon Energy Production Co., LP

Section 11: E/2, W/2 NW/4 &

NW/4 SW/4

Devon Energy Production Co., LP

XTO Holdings, LLC 810 Houston Street

Fort Worth, Texas 76102

Section 12: N/2:

Devon Energy Production Co., LP

XTO Holdings, LLC

Section 1: W/2:

Devon Energy Production Co., LP

XTO Holdings, LLC

Tract 2:

Section 36: S/2 SW/4:

Mewbourne Oil Company

P.O. Box 5270

Hobbs, New Mexico 88241

Section 35: S/2 SE/4:

Mewbourne Oil Company

Section 12: N/2 SE/4 & SW/4 SE/4:

Mewbourne Oil Company

Section 7: NW/4 NW/4 & SW/4 NW/4:

Mewbourne Oil Company

(Lots 1 & 2)

Mewbourne Oil Company

(Lot 3)

Section 6: NW/4 SW/4:

Chevron USA, Inc.

6301 Deauville Blvd. Midland, Texas 79706 Form C-108 Application
Mesquite SWD, Inc.
Baker SWD No. 1
Section 1, T-26 South, R-31 East, NMPM
Notice List (Page 2)

Section 6: NW/4 SW/4:

(Lot 3) (Cont.)

RBP Land Company Trust
Robert B. Porter Jr., Trustee

P.O. Box 10392

Midland, Texas 79702

Hayes Land, LP P.O. Box 51510

Midland, Texas 79710-1510

Hayes Land & Production, LP

P.O. Box 51407

Midland, Texas 79710

Section 6: SW/4 SW/4:

(Lot 4)

Mewbourne Oil Company

Section 1: NE/4 NE/4:

Mewbourne Oil Company

Section 1: W/2 E/2, NE/4 SE/4 &:

SE/4 NE/4

Mewborne Oil Company

Chevron USA, Inc.

RBP Land Company Trust

Hayes Land, LP

Hayes Land & Production, LP

Section 1: SE/4 SE/4:

Mewbourne Oil Company

Tract 3:

Section 12: SW/4:

EOG Resources, Inc. P.O. Box 2267 Midland, Texas 79706

ConocoPhillips Company 600 N. Dairy Ashford Rd. Office EC3-10-W285 Houston, Texas 77079 Form C-108 Application
Mesquite SWD, Inc.
Baker SWD No. 1
Section 1, T-26 South, R-31 East, NMPM
Notice List (Page 3)

Additional Notice:

Bureau of Land Management 620 E. Greene Street Carlsbad, New Mexico 88220-6292

(Surface Owner):

Jessie T. & Susan Ann Baker P.O. Box 24 Silver City, New Mexico 88062

September 27, 2018

<u>CERTIFIED MAIL</u> RETURN RECEIPT REQUESTED

TO: See Attached Notice List

Re: Mesquite SWD, Inc.

Form C-108 (Application for Authorization to Inject)

Baker SWD Well No. 1 API No. (Not Yet Assigned)

330' FSL & 309' FWL, Unit M, Section 1, T-26S, R-31E, NMPM,

Eddy County, New Mexico

Ladies & Gentlemen:

Enclosed please find a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for the Mesquite SWD, Inc. Baker SWD No. 1. You are being provided a copy of the application as an offset operator/leaseholder or as the owner of the surface where the proposed well is located. Mesquite SWD, Inc. proposes to drill the Baker SWD No. 1 and utilize the well as a produced water disposal well, injection to occur into the Siluro-Devonian formation through the open-hole interval from approximately 17,300 feet to 18,500 feet.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

If you should have any questions, please contact me at (575) 914-1461.

Sincerely,

Melanie Wilson-Regulatory Analyst Mesquite SWD, Inc. P.O. Box 1479 Carlsbad, New Mexico 88221-1479

Enclosure

Form C-108
Mesquite SWD, Inc.
Baker SWD No. 1
Section 1, T-26 South, R-31 East, NMPM,
Eddy County, New Mexico

The following-described legal advertisement will be published in the:

Artesia Daily Press 503 W. Main Street Artesia, New Mexico 88210-2067

The Affidavit of Publication will be forwarded to the Division upon receipt by Mesquite SWD, Inc.

LEGAL NOTICE

Mesquite SWD, Inc., P.O. Box 1479, Carlsbad, New Mexico 88221-1479, has filed a Form C-108 (Application for Authorization to Inject) with the Oil Conservation Division ("Division") seeking administrative approval to utilize its proposed Baker SWD No. 1 (API No. N/A) to be drilled 330 feet from the South line and 309 feet from the West line (Unit M) of Section 1, Township 26 South, Range 31 East, NMPM, Eddy County, New Mexico and complete the well as a produced water disposal well in the Siluro-Devonian formation. Injection is to occur through the open-hole interval from approximately 17,300 feet to 18,500 feet.

Produced water from the Bone Spring, Wolfcamp and other formations originating from wells in this area will be injected into the Baker SWD No. 1 at average and maximum rates of 30,000 and 40,000 barrels of water per day, respectively. The initial surface injection pressure for the well is anticipated to be at or below 3,460 psi., which is in compliance with Division regulations. The maximum surface injection pressure will be determined by step rate injection test.

Interested parties must file objections with the New Mexico Oil Conservation Division, 1220 S. St Francis Drive, Santa Fe, New Mexico 87505, within 15 days of the date of this publication.

Additional information can be obtained by contacting Ms. Melanie Wilson-Regulatory Analyst-Mesquite SWD, Inc. at (575) 914-1461.

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

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

CONDITIONS

Action 390424

CONDITIONS

Operator:	OGRID:
NEW MEXICO ENERGY MINERALS & NATURAL RESOURCE	264235
1220 S St Francis Dr	Action Number:
Santa Fe , NM 87504	390424
	Action Type:
	[IM-SD] Admin Order Support Doc (ENG) (IM-AAO)

CONDITIONS

Created E	y Condition	Condition Date
pgoetze	Copy placed in application Image file at later date.	10/7/2024