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				OVE THIS LINE FOR DIVISION USE ONLY		<u> </u>	·
			- Enginee	ONSERVATION D ering Bureau - Drive, Santa Fe, NM {			
		ADMI	NISTRATIV	E APPLICATIO	ON CHEC	KLIS	
THIS CHE	CKLIST IS A			TIVE APPLICATIONS FOR E. CESSING AT THE DIVISION			ES AND REGULATIONS
ַ [נ	-Non-Sta DHC-Dow [PC-Po	ndard Loc nhole Cor col Commi [WFX-Wa [SW	nmingling] [CT] ingling] [OLS - (terflood Expansio	on] [PMX-Pressure A oosal] [IPI-Injection] [PLC-Pool [OLM-Off-Leas Maintenance I	/Lease Co se Measu Expansior ease]	ommingling] rement]]
[1] TYP	E OF AI [A]	Locatio		se Which Apply for [A Simultaneous Dedicat] SD	ion - 74 /6	1649 58411 1968	- s < 1)
	Checl [B]	<u>Co</u> mmi	y for [B] or [C] ngling - Storage - IC [] CTB [Measurement PLC PC [] OLS []	- <i>C</i> . OLM	dun canyon SuD#1
	[C]			ssure Increase - Enhanc	ed Oil Recove	ery] PPR	30-015-Pendin Pod -5 w D' Devoning
	[D]	Other: S	Specify				-Swo Devoning
[2] NOT	TIFICAT [A]	TION REQ	UIRED TO: - Cl orking, Royalty or	heck Those Which App Overriding Royalty In	ply, or Does terest Owners	Not Appl	y 97869
	[B]	🗌 Of	fset Operators, Lea	aseholders or Surface (Owner		
	[C]	🗌 Ap	plication is One W	Vhich Requires Publish	ned Legal Noti	ce ·	
	[D]			Concurrent Approval by int - Commissioner of Public Lands)	
	[E]	Fo:	r all of the above,	Proof of Notification o	r Publication i	s Attached	l, and/or,

Waivers are Attached [F]

SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE [3] OF APPLICATION INDICATED ABOVE.

CERTIFICATION: I hereby certify that the information submitted with this application for administrative [4] approval is accurate and complete to the best of my knowledge. I also understand that no action will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

<u>KAY HAvenor</u> <u>See ApplicAtion</u> <u>Agent</u> <u>E-17-200</u> Print & Type Name <u>See ApplicAtion</u> <u>Date</u> <u>See ApplicAtion</u>

Please Note:

RECENTE OCD

8/15/2016

This C-108 is the **REPLACEMENT** of the Mesquite SWD, Inc. canceled application for the Cedar Canyon SWD #1. The original C-108 was received by your office June 16, 2016. The well name has not been changed. The earlier application had the SWD site about 10' too close to the Unit boundary.

Thank you,

Kay Havenor 575-626-4518

•	Daw	C 100	C 109 dispassion submittals CHECKLIST to ansure all items are supplied or considered
MISS	1	C-108	C-108 disposal application submittals CHECKLIST to ensure all items are supplied or considered. Operator, Well, and Contact info:
	2		Name of person submitting the application: Kay Havenor Other Contact?
<u> </u>	3	 	The person submitting the application? Yes and Mailing Address? Yes and Phone? Yes
	4		Operator Name: Mesquite SWD, Inc. OGRID Num. 161968
	5		RULE 5.9 Compliance Number of Inactive Wells vs Total Wells Operated 15 Is financial assurance required on any well? No Violation
	6	. <u> </u>	Is there any hearing order finding this operator out of compliance with Division Rule 19.15.5.9 NMAC? No
	7		Are all Rule 5.9 issues OK to allow the Division to issue Disposal Permits?
	8		Well Name: Cedar Canyon SWD #1
	9	ш	API Num: 30-015-not assigned Spud Date: new drill
	10		Have you included API numbers on all wellbore diagrams and well list(s) in this application? Yes
	11	ш	Proposed wellFootages 1310' FSL & 1153' FEL Unit P Sec 8 Tsp 24S Rge 29E County Eddy
	12		General Location (i.e. Y miles NW of Z): 4.2-miles W of Malaga, NM, and US 285, Eddy County, NM.
	13		Current Well Status: To be new drill
	14	ŀ	General Summary of Planned Work to Well: New drill through Siluro-Devonian (open-hole), complete for SWD.
	15		INTERVAL TOP and BOTTOM:
	16	III <u>B</u> .(2)	Proposed disposal Approx 14800'-16000' Formation Name Siluro-Devonian (include Member Names for Delaware or Mesaverde)
	17	IIIB.(2)	Proposed disposal Bottom Depth: 16000' Formation Name: Siluro-Devonian
	18	IIIB.(2)	Is the disposal interval OpenHole? Yes or Perfed?
	19	IIIB.(2)	What will be the disposal tubing size OD? 4-1/2" Packer Seat, Feet: approx 14800'
	20	VII	What max surf inj. psi are you proposing? 2960 If differing from 0.2 psi/ft surf. Grad., is supporting data attached such as a Step Rate Test?

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Miss	Row	C-108	C-108 disposal application submittals CHECKLIST to ensure all items are supplied or considered.
	21		FRESH WATERS:
	22		Depth to bottom of Fresh Waters: less than 200' Formation Name(s)? Quaternary alluvium
	23	XI	Any Fresh Water Wells Within 1 Mile? No If so, did you attach an analysis from these Wells?
 	24		Are all "Fresh" waters isolated with Casing and Cement? Yes ("Fresh" water is defined as less than 10,000 mg/l of TDS)
	25	XII	Included "Affirmative Statement" concerning any Connection from Disposal Depths to existing Fresh Waters? Yes Item XII
	26		WASTE WATERS:
	27	XIV	Will this be a Lease Only disposal well? No or only used for the Operator's own waste needs? or Commercial Disposal? Yes
·	28	VII	Which formations will supply the waste waters to be disposed into this well List most common: Delaware/Bone Springs
	29	VII	Are Waste waters compatible with proposed disposal interval waters? Yes Did you include waste water analysis? Yes, Delaware water
	30		AT PROPOSED WELLINSITU WATERS AND HYDROCARBON POTENTIAL:
	31		Is a discussion included of the potential for future OIL/GAS recovery from the proposed disposal interval? Yes P. 9
	32		If your proposed well for disposal is a depleted producer (within the proposed interval); do you know what was the cumulative oil/gas/water? and did you include a Rate- Time plot of this depleted interval?
	33	VII	Insitu water analysis Included? No Is the salinity within the disposal interval more than 10,000 mg/l of TDS? or how will you determine this insitu water salinity? Regional knowledge Siluro-Devonian.
	34	VIII	Does the application include a list of Formation tops down to and including the bottom of the target formation? Yes, on Page 12
	35		What is the top main salt 700' +/- and bottom 2700' +/- of the Salado Salt (If this well is in the Southeast and the Salt is present)
	36	_X	Are all existing Logs (including any CBL over the disposal interval) are on the OCD Web Site? If logs not there, please send On completion
;	_37_	IIIA.	Are the wellbore diagrams for this well included in the ApplicationBefore Conversion? and After Conversion? Yes. New drill.
	38		Are the top and bottom footage of the proposed disposal interval marked on the "after" diagram? Yes
	39	-	NOTICE:

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Miss	Row	C-108	C-108 disposal application submittals CHECKLIST to ensure all items are supplied or considered.
	40	xiv	Date of the Newspaper Notice in the County: Eddy Co. Artesia Daily Press 08/05/2016
	41	_v	Within 1/2 mile, did you clearly identify (either on a map or by legal description) all separately owned tracts of lands within the disposal interval? Yes
	42	<u>XIII</u>	Did you identify the owner(s) of each of these separately owned tracts? Yes, in Item XIII Were they all formally noticed? Yes
	43	_XIII	If reentering a P&Aed well, are there depth divisions of ownership within that wellIf so, have you also noticed all the shallower interests of the intent to use the well for disposal?
	44	XIII	Is the proposed well within the R-111-P defined Potash Area or the BLM Secretaries Potash Area? No If so, did you send notice to the nearest Potash lessee?
	45	XIV	Who owns the surface lands at the disposal well site (BLM, SLO, or who)? Valley Land, LLC Was that party formally noticed? Yes
	46		Area of Review:
	47	V	Did you include a map identifying all wells within 2 miles? Yes
	48	VI	Did you include a list of all AOR wells? Yes Is the list available to be emailed (if requested) in spreadsheet format? Yes - Included in Item VI list
	50		Did you include wellbore diagrams for all P&Aed wells that exist within the 1/2 mile AOR that penetrate the disposal interval? None present
	51	VI	How many wells exist within the 1/2 mile AOR that penetrate the disposal interval? 0 How many of these are Plugged/Dry and Abandoned?
	52	VI	Are details included on cement coverage of the proposed disposal interval for all wells penetrating the disposal interval within 1/2 mile of the proposed well? N/A
	53	VI	Do all reported cement tops describe how that "top" was determined? N/A If you calculated any tops, what fillup efficiency factor did you use?
	54	VI	Did you identify the presence and depth of all Cement Stage Tools (DV) in the subject well and in the AOR wells? Yes
	55	VIII	For the target formation, is there significant formation structural depth changes within the 1/2 mile AOR? No
	56	VIII	Is there any Karst or Massive Limestone in this target formation? Noor in the formations directly above or below? No
	57		Administrative or Hearing:
	58	VI	How many wells within the 1/2 mile AOR currently are producing (or still have open perforations) within the disposal interval? 0 is it "gas" or "oil"?

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Miss	Row	C-108	C-108 disposal application submittals CHECKLIST to ensure all items are supplied or considered.
	59		NOTE: If the proposed disposal interval is a "Gas" interval or if any AOR wells are producing or have open perforations within this interval then this application may not be properly classified as a "disposal". These types of applications must be processed at an examiner hearing.
	60		Any other Issues? No

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APPLICATION FOR AUTHORIZATION TO INJECT

Ι.	PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Storage Application qualifies for administrative approval? X Yes No Yes Yes
II.	OPERATOR:Mesquite SWD, Inc
	ADDRESS: P.O. Box 1478 Carlsbad, NM 88220
	CONTACT PARTY: Kay Havenor PHONE: 575-626-4518
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?YesYesNo 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.).
*V[]].	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. water.	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
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: Kay Havenor TITLE: Agent
	SIGNATURE: Kay C Howenor DATE: 7/31/2016
	E-MAIL ADDRESS:Kay.Havenor@Gmail.com Mesquite SWD, Inc contact: ClayLWilson@hotmail.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:

III. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:
 - (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
 - (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
 - (3) A description of the tubing to be used including its size, lining material, and setting depth.
 - (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

- B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.
 - (1) The name of the injection formation and, if applicable, the field or pool name.
 - (2) The injection interval and whether it is perforated or open-hole.
 - (3) State if the well was drilled for injection or, if not, the original purpose of the well.
 - (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
 - (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

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- (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.

INJECTION WELL DATA SHEET

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OPERATOR:	Mesquite SWD, Inc.	(OGRID 161968)								
WELL NAME & NU	JMBER: <u>Cedar Canyon SWD #1</u>			30-025-NA (New Drill)						
WELL LOCATION:	FOOTAGE LOCATION	PUNIT LETTER								
. <u>W</u>	ELLBORE SCHEMATIC	UNIT LETTER SECTION TOWNSHIP RANGE PROPOSED <u>WELL CONSTRUCTION DATA</u> Surface Casing								
		Hole Size:		Casing Size: <u>20" 133# J-55 BTC</u>						
	See attached diagram	Cemented with: _	<u>650</u> sx.	<i>or</i> ft ³						
		Top of Cement: _	Surface	_ Method Determined: <u>Circulate</u>						
			Intermedia	te-1 Casing						
		Hole Size:	<u>17-½"</u>	Casing Size: <u>13-¾" 68# N-80 LTC</u>						
		Cemented with: _	<u>1000</u> sx.	<i>or</i> ft ³						
		Top of Cement: _	Surface	Method Determined: Circulate						
	•		Intermediat	te-2 Casing						
		Hole Size:	<u>12¼"</u>	Casing Size: <u>9%" 53.5# L-80 LTC</u>						
		Cemented with: _	<u>1800</u> sx.	or ft ³						
		Top of Cement:	11415'	Method Determined:Opr						

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Side 1

Liner

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Hole Size 81/2"	_ Casing Size _7%" 39# P-110 UFJ
Cemented with: <u>2340</u> sx.	orft ³
Top of Cement Surface	Method Determined Opr
Total Depth: <u>Approx 16,000'</u>	· ·
	on Interval
h_ Approximately 14,000'	To Approximately 16,000'
Approximately 14,000' (Perforated or Open Hole;	indicate which) <u>Open Hole</u>
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INJECTION WELL DATA SHEET

Tubing Size: 4-1/2" P110/N-80 Lining Material: Fiberglass coated
Type of Packer:Lok-Set_or equivalent
Packer Setting Depth:Approx 14,800' ft
Other Type of Tubing/Casing Seal (if applicable):
Additional Data
1. Is this a new well drilled for injection? <u>X</u> Yes No
If no, for what purpose was the well originally drilled?
2. Name of the Injection Formation:Siluro-Devonian
3. Name of Field or Pool (if applicable):
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. <u>New drill</u>
 Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: <u>Delaware & Bone Springs horizons all above approximately 9,800'</u>

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PROPOSED NEW WELL DIAGRAM

API: 30025xxxx Operator: Mesquite SWD, Inc			
Lease: Cedar Canyon SWD Location: Sec 8, T24S-R29E Eddy Co., NM Footage: 1310' FSL, 1153' FEL	Well No: 1	KB: GL:	2985 est 2964 est
		0	
Surface Csg Size: 20" 133# J-55 BTC Set @: 850 Sxs cmt: 650 Circ: Yes TOC: Surf Hole Size: 26"		850	Rustler est 200' Salado est 700' B/Salt est 2700' Bell Canyon est 2950' Cherry Cany est 3850'
Intermediate Csg Size: 13-3/8" 68# N-80 LTC	<	4400	DV @ 4800'
Set @: 4,400 Sxs cmt: 1000 Circ: Yes TOC: Surf Hole Size: 14-3/4"			Bone Spgs est 5685'
<i>Intermediate-2 Csg</i> Size: 9-5/8" 53.5# L-80 LTC			
Set @: 11650 Sxs cmt: 1800 Circ: Yes Hole Size: 12-1/4"			
<i>Liner</i> Size: 7-5/8" 39# P-110 Ultra FJ			
Top 11415 Set @ 14800 Sx cmt 2340 Circ Yes			
Hole Size: 8-1/2" Open Hole			Wolfcamp est 11018'
Size Interval 14800-16000' Hole Size 6-1/4''		11415 11650 11870	
			Strawn est 11940'
Tubular requirements (made-up):			Morrow est 12800'
14,800'' 4-1/2" w/0-1700' 13.5# P-110 LTC, 1700'- 4300' 11.6# P-110 LTC, 4300'-9990' 11.6# N-80 LTC, 9990'-13000' 11.6# P-110 LTC, 13000'-14800'	<		Dv @ 13500' Miss Ls est 14400'
13.5# N-80 LTC, all Fiberglass coated. Lok-Set or equivalent approx 14,800'		14800	Top Siluro-Devonian est
Open hole acid/stimulation if required. Tubing annulus w/corrosion inhibitor. Complete surface head for disposal			
	Not to Scale	16000	Approx TD

API 30-025-NA

Mesquite SWD, Inc. Cedar Canyon SWD #1 1310' FSL & 1153' FEL Sec. 8, T24S-R29E Eddy County, NM

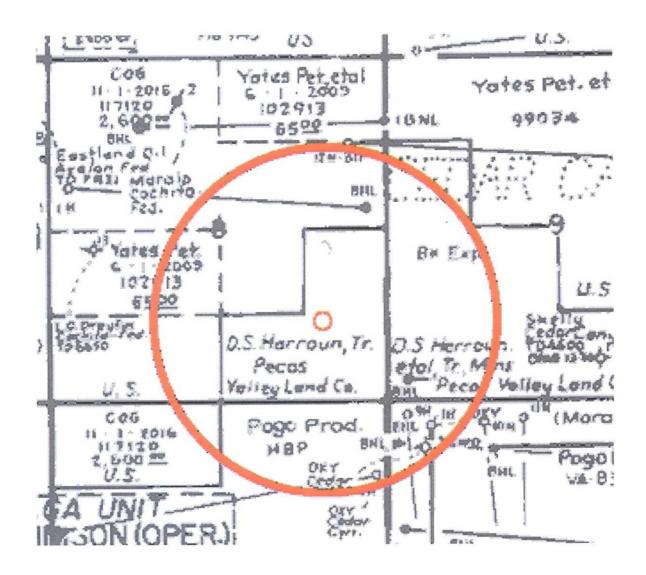
Item V:

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Area of Review ¹/₂ Mile AOR and 2 Mile Radius

Item V (a):

AOR Half - Mile



Item VI: Data on wells in AOR:

觑	WELL	STATUS	M Y	SE: DWA	RENOR	ĦØ,	88	50	BV/	1 00	and the second s	MBL	LAND)	N. J.O. DATE	\$AD)	R.576,	ND) ÓMAR
3001537035	BALSAM BNL FEDERAL COM 001H	Active	A	8 24.05	29E	960) N	30	E	A	YATES PETROLEUM CORPORATION	0	F		31-May-09	2990	7675
3001540754	JUNIPER BIP FEDERAL COM 012H	drilled or	A	8 24.05	29E	1296	5 N	587	E	A	YATES PETROLEUM CORPORATION	0	F		12-Jan-13	2995	8782
3001528618	COCHITI 8 FEDERAL 002	Plugged	C	8 24.05	29E	660) N	1980	₩	C	MARALO LLC	0	F	29-1:un-00	26-Aug-95	3023	6900
3001537644	MORNING FEDERAL 001H	drilled or	Ε	8 24.05	29E	1980) N	330	₩	E	COG OPERATING LLC	0	F		22-May-10	3010	12023
3001529137	COCHITI 8 FEDERAL 013	Plugged	Ł	8 24.0S	29E	2310) S	660	₩	L	DOMINION OKLAHOMA-TX EXPL/PROD	0 0	F	16-Sep-96	31-Aug-96	3013	6650
3001534997	HARROUN 9 001	Active	P	9 24.05	29 E	530) S	330	E	P	OXY USA INC	0	P		06-Jun-06	2939	10680

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No known wells in the AOR penetrate pre-Permian formations.

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Item VII:

- 1. The maximum injected volume anticipated is 25,000 BWPD. Average anticipated is 18,000 BWPD.
- 2. Injection will be through a closed system.
- 3. Maximum injection pressure is expected to be 2,960 psi, or as controlled by depth.
- 4. Sources will be produced water that is compatible with known waters in the disposal zones.
- 5. Water sample analyses from the immediate surrounding Siluro-Devonian area are not known,

however, the regional information indicates it is non-productive of hydrocarbons. This is supported by SWD-1510 located 1-3/4 miles southeast of this proposed location.

			Pr	o-Ke	em, Inc.	•				
		WATE		NAL	YSIS I	REP	OR	Г		
SAMPL								-		
Oil Co Lease Well N Locati Attent	i: Southwestern E : Karlsbad Corra No.: 2-H on: Chrony C.g. Ion:	I 11-ST.			Date Sample Date Analyze Lab ID Numb Salesperson Requested B File Name : 1	d: 01-D ber: Doc : iy : Pro-	ecemb 0106.00 Kem, Ir	er-200 01- 3		
ANALY:					File Maine . L	Decolo	0.001			
1.	Ph			6.320						
2. 3.	 Specific Gravity 60 CACO3 Saturation 		@ 80F	1.206	3.353	Seve				
3.	CACO3 Saturation	INGEX	@140F		3.353	Sever	-			
D	Issolved Gasses				MG/L.		EQ. WI	ŕ.	*MEQ	1L
4.	Hydrogen Sulfide				0				<u> </u>	
5.	Carbon Dioxide			Not	Determined					
6.	Dissolved Oxygen			Not	Determined					
	ations									•
7.	Calcium	(Ca++)			31,864		/ 20.1		1,585.23	
8.	Magnesium	(Mg++)	(a)		4,559		/ 12.2		373.69	-
9.	Sodium	(Na+)	(Calculat	ted)	74,853		/ 23.0	=	3,254.4	3
10.	Barium	(Ba++)			Below 10					
	nlons	(04.)			0					
11.	Hydroxyl	(OH+)			0		/ 17.0		0.0	•
12. 13.	Carbonate Bicarbonate	(CO3=) (HCO3-)			73		/ 30.0		0.04	-
13.	Sulfate	(SO4=)			135		/ 48.8		2.7	
15.	Chloride	(004-)			184,958		/ 35.5		5,210.0	
16.	Total Dissolved So	• •			296,442		/ 33.5	-	5,210.01	•
17.	Total Iron	(Fe)			290,442	no	/ 18.2	_	2.5	
18.	Manganese	(Mn++)		Not	t Determined		/ 10.2	-	2.0	2
19.	Total Hardness as		•		98,338					
20.	Resistivity @ 75 F		ed)		,	001 Oh	m · met	ers		•
	LOGARITHMIC		TTEPN		DD/			0 A I 7	OMPOSI	
		ag / L.			СОМРОИ		"mea/L	X	EQ. WT.	
Na	a 37771v_+∦ 11++ 6571++ 891+ +	 	╬╶╽┼ <u></u> ╬╬ <mark>╧_┻┇┥</mark> ┩	H CI	Ca(HCO3		1.19	~	81.04	97
			F		C2504	-,-	2.77		68.07	188
Ca	a biiit Neilii i feilii i feili		8 	не нсоз	CaCl2	1.	581.31		55.50	87,763
	BHALL BALL BANK	L Number	<u>111112</u> 1111		Mg(HCO:	3)2	0.00		73.17	0
(Atř	a partici parti parti parti	· / / · · · ·	,	IN 304	MgSO4		0.00		60.19	0
Fe	a billi billi i billi i billi i billi i	⊦- ∕-⊦ !!₩ <u> </u> -!+;}/i	<mark>₩1 1!!!!!</mark> 	ECO3	MgCl2		373.69		47.62	17,795
	10000 100 100 10	1 16 1	(10) (X.10)	10000	NaHCO3		0.00		84.00	0
	Calcium Sulfate	Solubility	Profile		NaSO4	_	0.00		71.03	0
	339				NaCI		255.08		58.46	190,292
-	328					- mi	liedniva	ients j	per Liter	
U V	308		- <u>X</u>							
,	264		+ + -		. .					
L	767				Repeter	en A	Ren	\sim		
	201		¥		Rebecce	Rodriou	ez. An	ikar		
	Temp 17. 60 70 00	110 130	150 170							

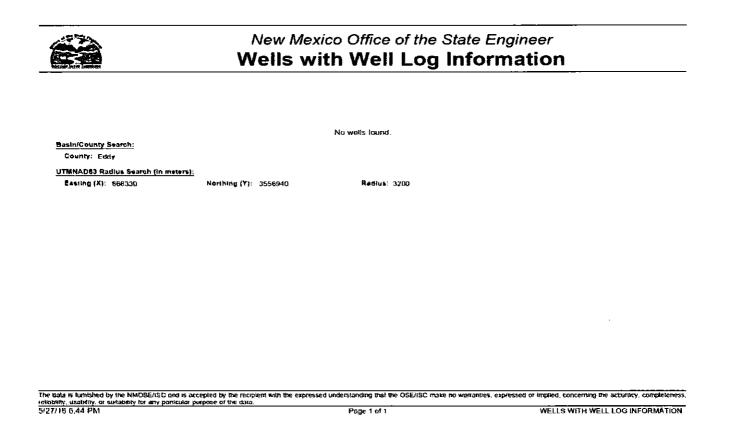
Scott Biproduced w	ater samples	· · ·							
wellname	api	section	township	range	unit	ftgns	ftgew	formation	chloride_mgL
GUY A REED #001	3001510872	24	245	28E	E	1980N	660W	DELAWARE	78600
FED #001	3001502504	24	245	28E	A	330N	990E		78580
H B 11 FEDERAL #0	3001529248	11	245	29E	Ĺ	16505	400W		109207
H B 11 FEDERAL #0	3001532606	11	245	29E	К	25505	1600W		103070
H B 11 FEDERAL #0	3001529249	11	245	29E	N	850S	2100W		118370
H B 11 FEDERAL #0	3001537900	11	245	29E	В	330N	1650E	AVALON UPPER	114114
H B 11 FEDERAL #0	3001529248	11	245	29E	L,	1650S	400W		112725
H B 11 FEDERAL #0	3001532741	11	245	29E	С	330N	1750W		59222
H B 11 FEDERAL #0	3001537900	11	245	29E	8	330N	1650E	AVALON UPPER	104800

Item VIII:

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Disposal will be into the Siluro-Devonian formations above the Montoya Formation.

There is no known fresh, potable water within a 2-mile radius. Records from the New Mexico Office of the State Engineer on May 27, 2016 show no known water wells within the 2-mile radius of the proposed Mesquite SWD disposal well.



The surface geology of the greater area, including the 2-mile radius as shown in Item V above, is Quaternary eolian Holocene underlain or upon the Permian Rustler Formation and evaporites. Based upon surface geology and available shallow data the depth to potential potable water (not hole depth), if present, is estimated to be less than 200'

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Item IX:

Some acid may be applied after completion. No other formation stimulation is currently planned.

Item X:

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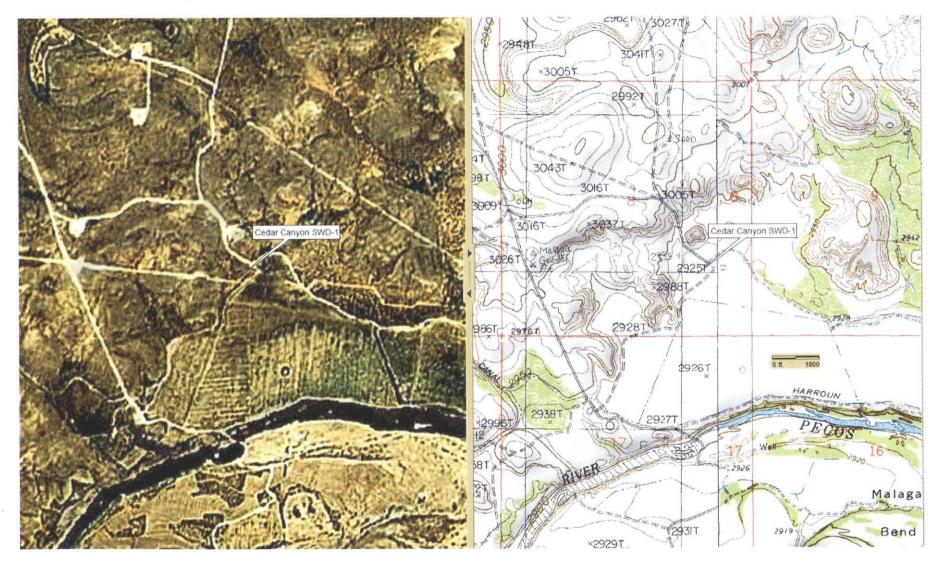
Logs will be filed with the OCD upon completion of the well. Density -Neutron is planed from surface to TD.

Item XI:

No water wells are reported in the 2-mile radius of the proposed SWD. Please note Item VIII discussion above.

Item XII:

There is no geological evidence of open faults or hydrologic connection between the disposal zone and any possible underground sources of protectable water.



Delorme Xmap 6 4.2 miles west of Malaga, NM and US 285.

Item XIII: Proof of Notice

Minerals Owner:

Valley Land, LLC P.O. Box 597 Loving, NM 88256

Operators in AOR:

BK Exploration Corp 10159 E. 11th St, Ste 401 Tulsa, OK 74128-3028

COG Operating, LLC 600 W. Illinois Ave. Midland, TX 79701

OXY USA, Inc P.O. Box 27570 Houston, TX 77277-7570

Yates Petroleum Corp, et al 105 S. 4th St Artesia, NM 88210

Surface: Fee:

Valley Land, LLC P.O. Box 597 Loving, NM 88256

Operator SW/4 NW/4, SW/4 Sec 9

Operator NW/4 SE/4, S/2 SE/4 Sec. 8, NW/4 Sec 16,

Operator SE/4 Sec.7

Operator NW/4 NW4, SE/4 NW/4 Sec 9

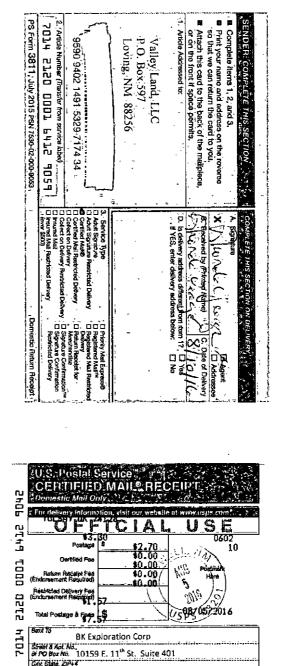
Item XIII: Legal Publication

Affidavit of Publication	Copy of Publication:
No. 2402 State of New Mexico County of Eddy: Danny Scott Cerrent being duly s sworn sayes th that she is the Publisher	LEGAL NOTICE Mesquite SWD, Inc., c/o Kay Haveor, 904 Moore Ave, Roswell, NM 88201- 1144. (675) 6264518, is seeking approval from the New Mexico Oli Conserva- tion Division to drill and complete the Mesquite SWD, Inc. Cedar Caryon SWD No. 1 well API: 30-015- (unassigned), to be iocated 1310 feet from the south line and 1153 feet from the east line of Section 8, T245, R29E, Eddy County, NM for commercial produced water disposed by drilling to approximately 16,000 feet to penetrate the Siluro-Devonien formation. The site is 4-2 miles west of Malaga, NM and US 285, Eddy County, NM. Mesquite SWD, inc. plans to dispose of a maximum of 25,000 BWPD with a disposal interval in the Siluro-Devonien formation through open-hole approval mately 14,800' to 16,000' with maximum pressure of 2,960 pel.
of the Artesia Daily Press, a daily newspaper of General	Parties with questions regarding this proposal can contact Kay Havenor at the
circulation, published in English at Artesia, said county	address or phone number above. Interested parties must file objections or requests for heating within 15 days of publication to the Oil Conservation Division: 1220 South St: Francis Dr., Santa Fe, NM 87505.
and state, and that the hereto attached	
Legal Ad	Published in the Artesia Delly Press, Artesia, N.M., August 5, 2016 Legal No. 24021.
was published in a regular and entire issue of the said	
Artesia Daily Press, a daily newspaper duly qualified	` (
for that purpose within the meaning of Chapter 167 of	
the 1937 Session Laws of the state of New Mexico for	
Consecutive weeks/day on the same	
day as follows:	
First Publication August 5, 2016	4
Second Publication	4
Third Publication	
Fourth Publication	
Fifth Publication	
Sixth Publication	4
Subscribed and sworn before me this	
5th day of August 2010	5
OFFICIAL SEAL Latistic Romino NOTARY PUBLIC STATE OF NEW MEXICO My commission expires: 511229019	
Ration Romine	
Notary Public, Eddy County, New Mexico	

Item XIII: Certified Mail Receipts



PS Form 3811, July 2015 PSN 7530-02-000-9053	9590 9402 1491 5329 7174 27	BK Exploration Corp 10159 E. 11 th St. Suite 401 Tulsa, OK 74128-3028	SENDERICOMPETETHS SECTION Complete items 1, 2, and 3. Frint your name and address on the reverse so that we can return the card to you. Attach this card to the back of the malipiace, or on the front it space permits. Attach detessed to:
Domestic Return Receipt	Service Typo DAdd Sgrature Dadd Sgr	'if YES, enter delivery address below:	complete this section on pluvery 4. A. Signature Again A. Signature Again X.B. B. L. C. Data of Delivery Addressee B. Rossived by Printed Name) C. Data of Delivery B. Rossived by Printed Name) C. Data of Delivery B. Rossived by Printed Name) B. B. Society advection

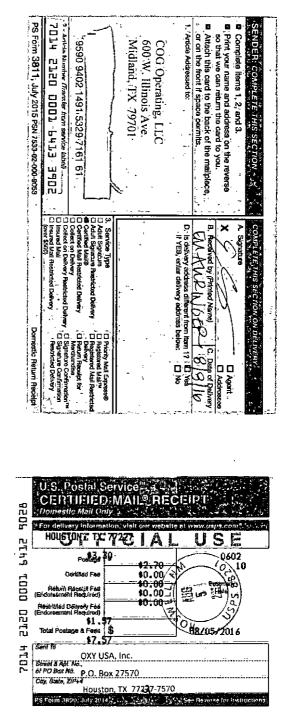


Suite, 2044 Tulsa, OK 74128-3028 API 30-025-NA

Item XIII: Certified Mail Receipts (2)



Domestic Return Roceipt		PS Form 3811, July 2015 PSN 7530-02-000-9053	771
 C) Signature Confirmation T C) Signature Confirmation Pleastricted Delivery 	Collect on Delivery Restricted Delivery Insured Meil Insured Meil Insured Mail Restricted Delivery (ever \$500)	Article Number (Transfer from service label)	м
Central Return Receipt for Merchandise	 Certified Maile Certified Mail Restricted Delivery Collect on Delivery 	9590 9402 1491 5329 7161 09	· · ·
 Priority Mail Express® Registered Mail[™] Registered Mail[™] 	3. Service Type O Adut Signature O Adut Signature Restricted Delivery		
	-	Houston, TX 7727-7570	
-		P.O. Box 27570	
		OXY USA, Inc	v:
, s- c	If YES, enter delivery address below	~ .	
nfitem 17 . 🗆 Yes	D. Is delivery actives different from from	or on the front if space permits.	<u> </u>
C. Date of Delivery	B. Flecewed by (Printed Name)	Attach this card to the back of the mailpiece,	~~~
	X Anor	Print your name and address on the reverse so that was can return the read to you	
	A Signatione	Complete items 1, 2, and 3.	_
DELIVERY	COMPLETE THIS SECTION ON	SENDER COMPLETE THIS SECTION	10
1 1 1		n → + + + + + + + + + + + + + + + + + +	}



Item XIII: Certified Mail Receipts (3)

U.S. Rostal Servic CERTIFIED MA Somestic Mail only For delivery information, visi ART(1) Ar Mr 882(1) Postal Fee Return Reals Fee (Endorsement Regulad) Restricted Different Fee (Endorsement Regulad)	IL? RECEIPT
Total Poetsge & Fress 6 Total Poetsge & Fress 6 Spind & Agr No. 47.57 Spind & Agr No. Yates Petrolet Spind & Agr No. 105.50.4 th Str Orly Build, 2013 Artesia, NM.8 Ps Form aboot Wills 2013 105.50.100	eet
 SENDER: COMPLETE THIS SECTION Complete items 1, 2, and 3. Print your name and address on the reverse is so that we can return the card to you. Attach this card to the back of the maliplece, or on the front if space permits. 1: Articlo Addressed to: Yates Petroleum Corp., et al. 105 So 4th Street. Artesia, NM 88210 	COMPLETEITHIS SECTION ON DELIVERY Signatura B. Received by (Printed Name) D. is dollvory address different from Item 17 D Yes If YES, enter delivery address below: No
9590 9402 1491 5329 7174 58 2. Article Number (Transfor from service label) 7014 2120 0001 6412 9035 PS Form 3811; July 2015 PSN 7530-02-000-9053	Sorvice Type Adult Signiture Adult Adult Adult Adult Signiture Adult Adul

wellname GAINES 21 #1	api 3001528638	 township 245		•	field CEDAR CANYON;DELAWAR	formation depth BONE SPRI 7850	tds_mgL 8856	calcium_mgL 601.2	iron_mgl, 0	magnesium_r 72.915	n chloride_mgL 62858.2

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(here)					Suspended: [Ver 15]				
Well No 1 Well Name	-	•							
API: 30-0 15-pendi. 1310FSL	Spud Da	ite:	New or Old:	UIC Class I	ll Primacy 03/07/1982)				
Biofs Footages 1153FEL General Location: 2 Amile									
General Location: Amile	s n/w m	Al 4/1 Pool: 2	S LD'	Si Clow W	Pool No .: 97865				
BLM 100K Map: <u>CARLSPA</u>	doperator: MC	segites why): /6/_56_{/ Conta	act: HAVEHOR ag ent				
COMPLIANCE RULE 5.9: Total We	lls: Inactiv	ve: Fincl Assur:	Compl	. Order? IS	5.9 OK? Date:				
WELL FILE REVIEWED O Curren	t Status:Pra	posed							
WELL DIAGRAMS: NEW: Proposed		: Before Conv. 🔿 After C	onv. 🔿 🛛 I	_ogs in Imaging:					
Planned Rehab Work to Well:	C-B-	- <i>L</i>							
Well Construction Details	Sizes (in) Borehole / Pipe	Setting Depths (ft)	-	Cement Sx or Cf	Cement Top and Determination Method				
Planned _or Existing _Surface		850	Stage Tool	650	SUPFLIC/VISGE/				
Planned_or Existing _ Interm/Prod	1474/1338	4400		1000	SurFLUISGEL				
Planned_or Existing _Interm/Prod		11650		1800	SurFrent Visay				
Planned_or Existing _ Prod/Ciner	82/744	14800		2390	11413/C-B-C				
Planned_or Existing _ Liner					<u> </u>				
Planned_or Existing _ I PERF	14804160		Inj Length	<u>Complet</u>	tion/Operation Details:				
Injection Lithostratigraphic Units:	Depths (ft)	Injection or Confining	Tops	Drilled TD 160	е рвто				
Adjacent Unit: Litho, Struc, Por,	E CARE	<u>Units</u>	14800	NEW TD	NEW PBTD				
Confining Unit: Lilho. Struc. Por.		MIS	14400	NEW Open Hole 🖉) or NEW Perfs ()				
Proposed Inj Interval TOP:			_	Tubing Size 44	in. Inter Coated?				
Proposed Inj Interval BOTTOM:	·				Depth 1490 It				
Confining Unit: Litho, Struc. Por. Adjacent Unit: Litho, Struc. Por.					_13/0(100-ft limit) face Press. 2464 _ psi				
Adjacent onth: Land. Sind: Pol.		formation			race Press. <u>77.20</u> psi 2 <u>96 9</u> (0.2 psi per ft)				
POTASH: R-111-P			Salt/Sa						
FRESH WATER: Aquiter									
		•							
NMOSE Basin: CAPITAN REEF: thru adj NA No. Wells within 1-Mile Radius? FW Analysis Disposal Fluid: Formation Source(s) D C V Analysis? On Lease (Operator Only () or Commercial) Disposal Int: Inject Rate (Avg/Max BWPD): If V/26 K Protectable Waters? Source: System: Closed) or Open									
Disposal Fluid: Formation Source(s)	K Protectable Water	?	On Lease () Opera	System: Closed > or Open				
HC Potential: Producing Interva	Prormerly Pr	oducing?Method:	Logs/DST/P	&A/Other ncgion	2-Mile Radius Pool Map				
AOR Wells: 1/2-M Radius Map?				1					
Penetrating Wells: No. Active We		T		_					
Penetrating Wells: No. P&A Wells	<u>•</u> Num Repairs?	on which well(s)?			Diagrams?				
NOTICE: Newspaper Date 9-05	Mineral	Owner 6-11-44	Surface C		ngble N. Date S. 70-20				
RULE 26.7(A): Identified Tracts?	Affected Per	sons: BIC, COG	J UZ X	YALes_	N. Date 8-8-2-21				
Order Conditions: Issues:	due of	-Linch From	App	hoximately	11000-148001				
Add Order Cond:				/	r				

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