ben@sosconsulting.us

e-mail Address

PMAM1535747084

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

ті	HIS CHECKLIST IS M	MANDATORY FOR ALL ADMINISTRATIVE APPLICATION		REGULATIONS
Annli	ation Acronym	WHICH REQUIRE PROCESSING AT THE I	DIVISION LEVEL IN SANTA FE	
	(NSL-Non-Sta (DHC-Dow (PC-Po	indard Location] [NSP-Non-Standard Proi inhole Commingling] [CTB-Lease Comn pol Commingling] [OLS - Off-Lease Stor	ningling] [PLC-Pool/Lease Comming rage] [OLM-Off-Lease Measurement essure Maintenance Expansion] jection Pressure Increase]	ling]
[1]	TYPE OF AF	PPLICATION - Check Those Which Appl Location - Spacing Unit - Simultaneous NSL NSP SD	Dedication 370/98 - 14 = CASLA	12 3 40 4
	Check [B]	k One Only for [B] or [C] Commingling - Storage - Measurement DHC CTB PLC	30-025-P3 PC □ OLS □ OLM	ending
	[C]	Injection - Disposal - Pressure Increase -		RECEIVED OCE
	[D]	Other: Specify	2	
[2]	NOTIFICAT	TION REQUIRED TO: - Check Those Wi	hich Apply, or □ Does Not Apply ¬¬	\Box
r_1	[A]	Working, Royalty or Overriding Ro	11.5	8
	[B]	Offset Operators, Leaseholders or S	Surface Owner	
	[C]	Application is One Which Requires	Published Legal Notice Pool	San Andres
	[D]	Notification and/or Concurrent App U.S. Bureau of Land Management - Commissioner of F	proval by BLM or SLO Public Lands, State Land Office	San Andres 21
	[E]	For all of the above, Proof of Notifi	cation or Publication is Attached, and/o	r,
	[F]	Waivers are Attached		
[3]		CCURATE AND COMPLETE INFORM ATION INDICATED ABOVE.	ATION REQUIRED TO PROCESS	ТНЕ ТҮРЕ
[4]		TION: I hereby certify that the information		
		and complete to the best of my knowledge. equired information and notifications are su		e taken on this
	Note	: Statement must be comp <u>let</u> ed by an individual w	vith managerial and/or supervisory capacity.	
Ber	Stone	. 79	Agent for Mescalero Energy, LLC	12/17/15
Print c	or Type Name	Signature	Title	Date

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: Salt Water Disposal – Application Meets Qualifications for Administrative Approval.

OPERATOR: II.

Mescalero Energy, LLC

ADDRESS:

510 Bering Dr. Ste.430, Houston, TX 77057

CONTACT PARTY: Ricci Susong (713) 384-9317

Agent: SOS Consulting, LLC - Ben Stone (903) 488-9850

- III. WELL DATA: All well data and applicable wellbore diagrams are attached hereto.
- IV. This is not an expansion of an existing project.
- A map is ATTACHED that identifies all wells and leases within two miles of any proposed injection well with a one-half mile V. radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- *VI. A tabulation is ATTACHED of data on all wells of public record within the area of review which penetrate the proposed injection zone. (2 AOR wells penetrate the subject interval - 1 P&A.) The data includes a description of each well's type, construction, date drilled, location, depth, and a schematic of any plugged wells illustrating all plugging detail.
- VII. The following data is ATTACHED on the proposed operation, including:
 - 1. Proposed average and maximum daily rate and volume of fluids to be injected;
 - 2. Whether the system is open or closed;
 - 3. Proposed average and maximum injection pressure;
 - 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 - 5. 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. Appropriate geologic data on the injection zone is ATTACHED including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aguifers 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. No stimulation program is proposed at this time. New openhole interval may be acidized w/ up to 5000 gals.15% HCl.
- This is a New Drill SWD. Standard combo log suite will be performed and submitted. Operator may step-rate test *X. the well for potential pressure increase.
- State Engineer's records indicate 2 water wells within one mile the proposed salt water disposal well; analyses are *XI. ATTACHED.
- An affirmative statement is ATTACHED that available geologic and engineering data has been examined and no XII. evidence was found of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- "Proof of Notice" section on the next page of this form has been completed. BLM (offsetting mineral interests) has been XIII. notified. There are 6 offset lessees and/or operators within 1/2 mile - all have been noticed via U.S. Certified Mail.
- Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: Ben Stone -TITLE: SOS Consulting, LLC agent / consultant for Mescalero Energy, LLC SIGNATURE: DATE: 12/17/2015

E-MAIL ADDRESS: ben@sosconsulting.us

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 - The following information and data is included:

- 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 pursuant to the following criteria is attached. Affidavit is ATTACHED.

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.

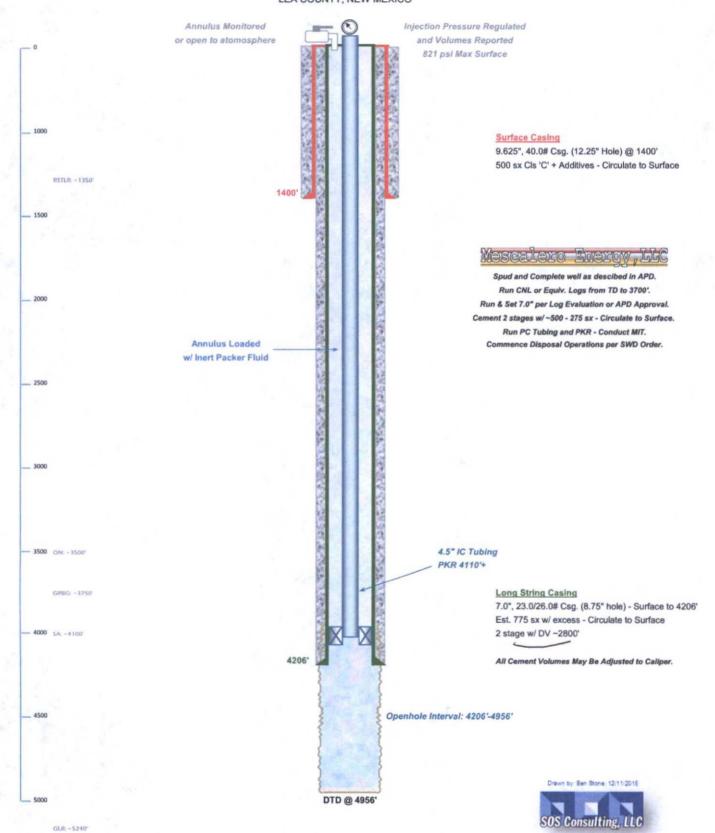
NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.



WELL SCHEMATIC - PROPOSED McCasland SWD Well No.1

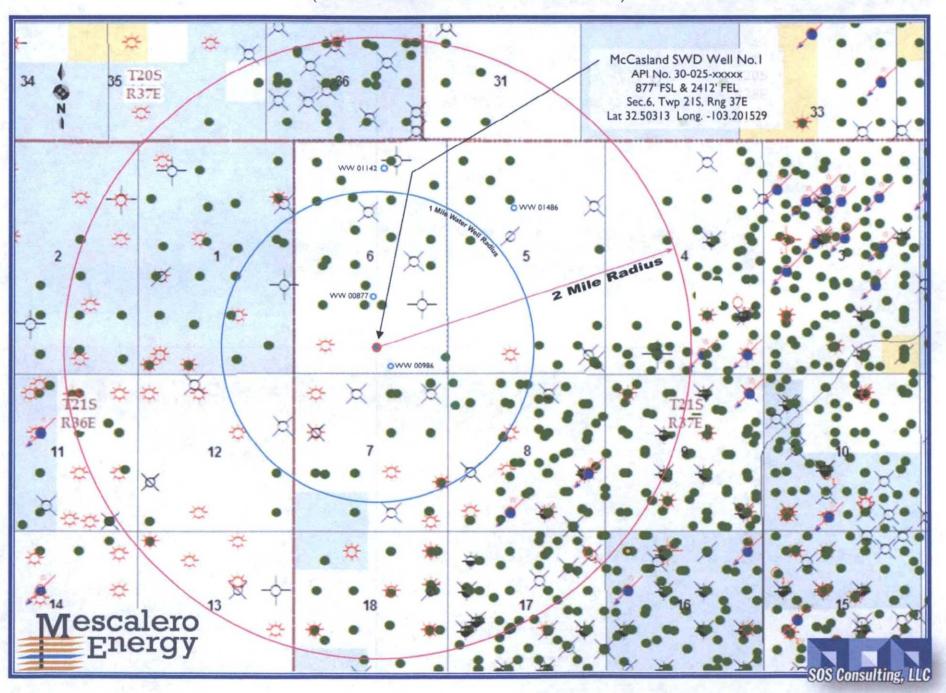
API 30-025-00000 (TBD)

877' FSL & 2412' FEL, SEC. 6-T21S-R37E LEA COUNTY, NEW MEXICO Pool: 96121; SWD; San Andres Spud Date: 3/01/2016



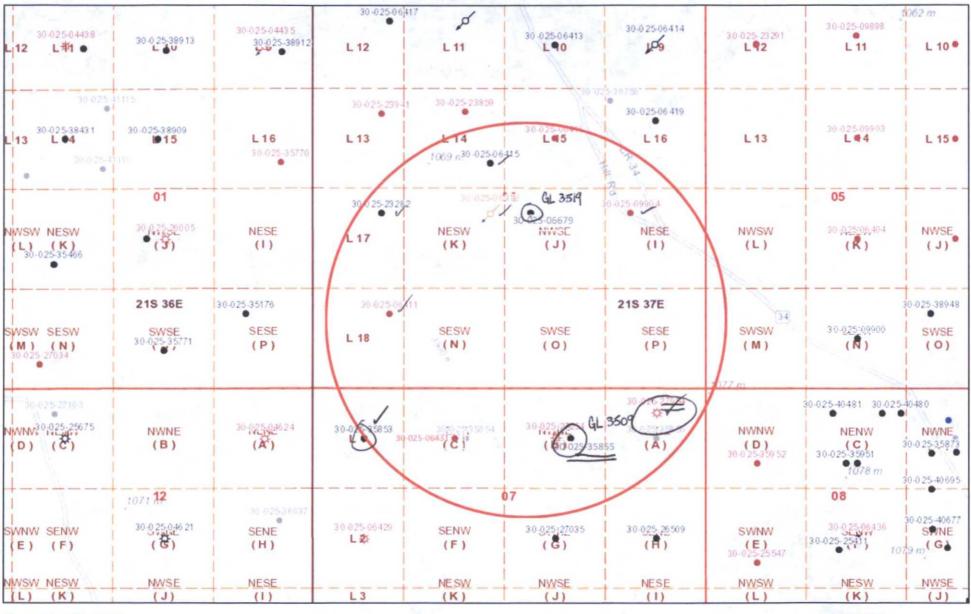
McCasland SWD Well No.1 - Area of Review / 2 Miles

(Attachment to NMOCD Form C-108 - Item V)

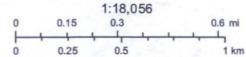


McCasland SWD Well No.1 - Area of Review / Overview Map (Attachment to NMOCD Form C-108 - Item V) 5.8 miles N/NW of Eunice, NM McCasland SWD No. I API No. 30-025-00000 (TBD) 877' FSL & 2412' FEL Sec.6, Twp 21S, Rng 37E Lat 32.50313 Long. -103.201529 ø T215 R37E × Lea County, New Mexico Mescalero Energy

McCasland SWD No.1 AOR Well Identification



December 16, 2015



Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey.

Form C-108 Item VI - Tabulation of AOR Wells

	TopofProposedSANANDRES(Interval/420)	9			2 W	Velis Penetra	ite Subject Forma	tion.	
API Number Section 6 Wells	Current Operator	Well Name	Well No.	Туре	Lease	Status	ULSTR	Depth	Note
30-025-23859	[151228] MAR OIL & GAS CORP.	EUMONT HARDY UNIT	#049	Oil	Private	P-N/R	F-6-215-37E	3773' DOES N	OT PENETRATE
30-025-06415	[151228] MAR OIL & GAS CORP.	EUMONT HARDY UNIT	#043	Oil	Private	Active	F-6-215-37E	3795' DOES N	OT PENETRATE
30-025-06412	[151228] MAR OIL & GAS CORP.	EUMONT HARDY UNIT	#047	Injection	Private	TA	K-6-21S-37E	3773' DOES N	OT PENETRATE
30-025-23282	[25504] YARBROUGH OIL LP	MAE CURRIE	#002	Oil	Private	Active	L-6-215-37E	4010' DOES N	OT PENETRATE
30-025-05416	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#044	Oil		P&A	O-6-215-37E	3770¹ DOES N	OT PENETRATE
30-025-09904	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#001	Oil		P&A	Q-6-215-37E	3945' DOES N	OT PENETRATE
30-025-06679	[151228] MAR OIL & GAS CORP.	EUMONT HARDY UNIT	#046	Oil	Federal	Active	R-6-21S-37E	3827' DOES N	39205 OT PENETRATE
30-025-06411	[214263] PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#001	Oil		P&A	U-6-215-37E	3660' DOES N	OT PENETRATE
Section 7 Wells									
30-025-27954	[778] BP AMERICA PRODUCTION CO.	MAE F CURRY	#002	Gas	Private	P&A	A-7-215-37E	4500'	4450' PBTD

30-025-27 9 54	[778] BP AMERICA PRODUCTION CO.	MAE F CURRY	#002	Gas	Private	P&A	A-7-215-37E	4500'	4450' PBTD
					_		SEE	P&A DIAGR	AM ATTACH <u>E</u> D
30-025-27254	[778] BP AMERICA PRODUCTION CO.	MAE F CURRY	#001	Gas	Private	P&A	B-7-21S-37E	3850'	
							, 	DOES N	IOT PENETRATI
30-025-06412	[151228] MAR OIL & GAS CORP.	EUMONT HARDY UNIT	#047	Injection	Private	TA	K-6-21S-37E	3773'	
								DOES N	IOT PENETRATI
30-025-06431	[3630] CAMPBELL & HEDRICK	CURRY	#001	Oil	Private	P&A	C-7-215-37E	3885'	
								DOES N	IOT PENETRATI
30-025-35853	[873] APACHE CORP	MAE F CURRY	#003	Oil	Private	Active	1-7-215-37E	6985'	
30 023 0003	• •	RY-TUB-DRKD Perfs: 5753' - 6810' ; 8.6					-		sx - Circ. to

30-025-35855 Apade lap

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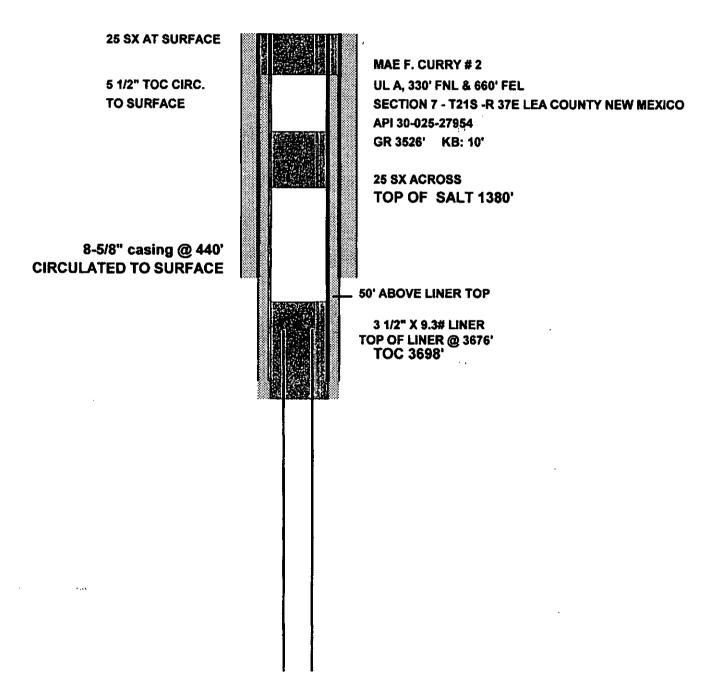
C-108 ITEM VI – AOR WELL INFORMATION

Plugged Well Schematics

WELLBORE SCHEMATIC

30-025-27954 - PLUGGED BY BP AMERICA PRODUCTION CO.

M. Comment



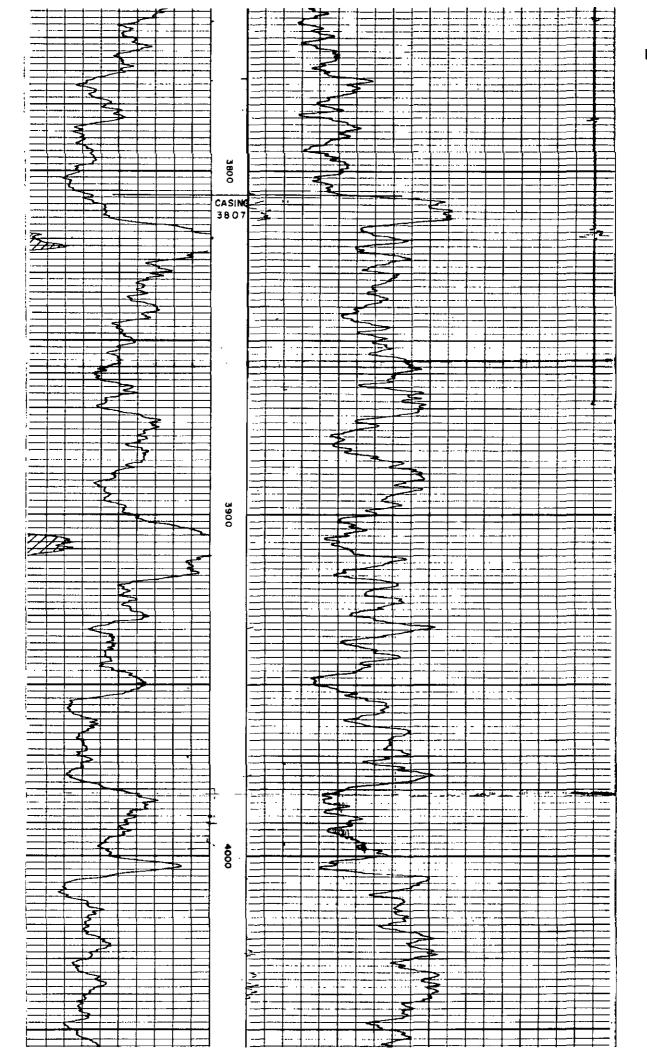
Submit 3 Copies To Appropriate District	State of New M			I	Form C-103
Office District 1	Energy, Minerals and Nati	iral Resources	Commercial Control		May 27, 2004
1625 N. French Dr., Hobbs, NM 87240 District II			WELL API N	O. -025-27954	
1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATIO		5. Indicate Ty		
District III 1000 Rio Brazos Rd., Aztec, NM 87410	1220 South St. Fr Santa Fe, NM		STATE	·	TX
District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505	,	37303		Gas Lease No.	
			 		
SUNDRY NOTIC [(DO NOT USE THIS FORM FOR PROPODIFFERENT RESERVOIR. USE "APPLICATION PROPOSALS.) [VIOLENTIAL SUNDRY NOTICE TO THE PROPOSALS.]		OR PLUG BACK TO A	7. Lease Nam	ne or Unit Agreen F.	nent Name:
1. Type of Well:			8. Well Numb	er	
Oil Well 🗷 Gas Well 🗌	Other			2	
2. Name of Operator			9. OGRID Nu		Ţ
BP AMERICA PRODUCTION COME 3. Address of Operator	ANY		10. Pool nam	000778	
P. O. BOX 3092, ROOM 6.115	i. HOUSTON. TEXAS 77253		1 .	MENT GRIBG SA	
4. Well Location	7 2002011 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 220542		
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Pit or Below-grade Tank Application	or Closure	 			
Pit type STEEL Depth to Groundwater	85' Distance from nearest fre	sh water well <u>>1000 </u> D	istance from neares	t surface water <u>>10</u>	<u>100 '</u>
Pit Liner Thickness: mil	Below-Grade Tank: Volume	bbls; Construct	ion Material		
12 Check A	Appropriate Box to Indicat	e Nature of Notice	Report or C)ther Data	
NOTICE OF INTE		-1	/	REPORT OF	֥
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WORK	//		iĠ. CASING □
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TEMPORARILY ABANDON L	CHANGE PLANS	COMMENCE DRILL	17 =	J PLOC AN	ND X
PULL OR ALTER CASING	MULTIPLE COMPLETION	CASING TEST AND CEMENT JOB	\E0;		3)
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I hereby certify that the information al	bove is true and complete to the	best of my knowledg	ge and belief. I fu	erther certify that an	y pit or below-
SIGNATURE Sur Silli	Tr		STAFF ASSISTAN		
SIGNATURE	F.	mail address:	sue.sellers		UST 30, 2005
Type or print name SUE SELLERS	\	man address.		Telephone No. 20	31-366-2052
For State Use Only	1 / 1 / 1	C FIELD REPRESENT	TATIVE II/STAFI	F MANAGER	\FD 1 0
APPROVED BY LAWL	J. WIMB TI	TLE		DATE	SEP 1 3 2005
Conditions of Approval, if any:		4	Clabuty under	plugging of the bond is retained ion is complete	17-1-1 3 200K
				~~ a complete	□ ₄.

C-108 ITEM X – LOGS and AVAILABLE TEST DATA

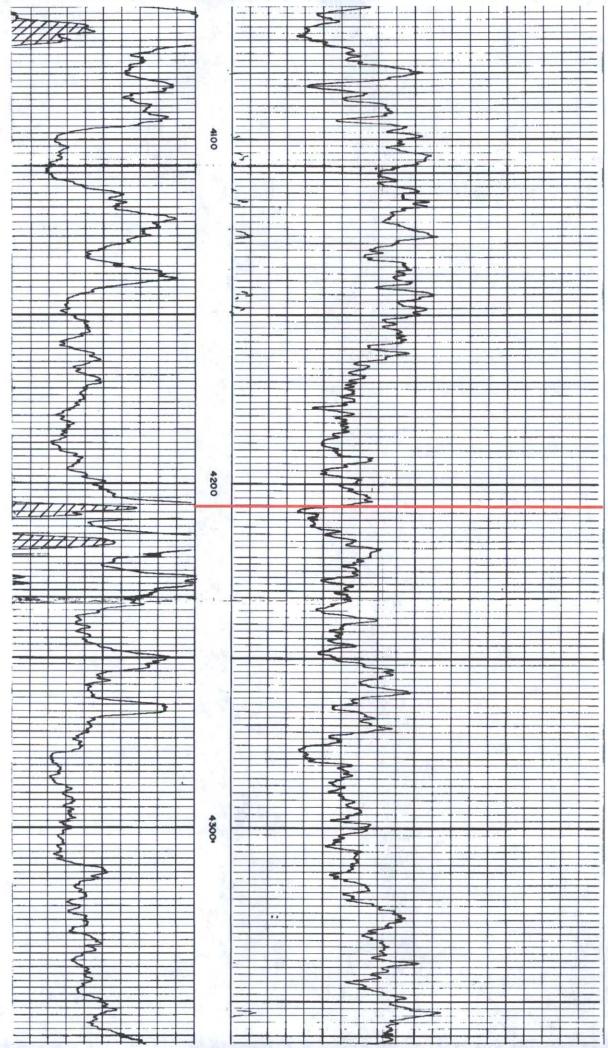
A log strip from the Currie Well No.1, API No.30-025-09900, located in N-5-21S-37E is attached.

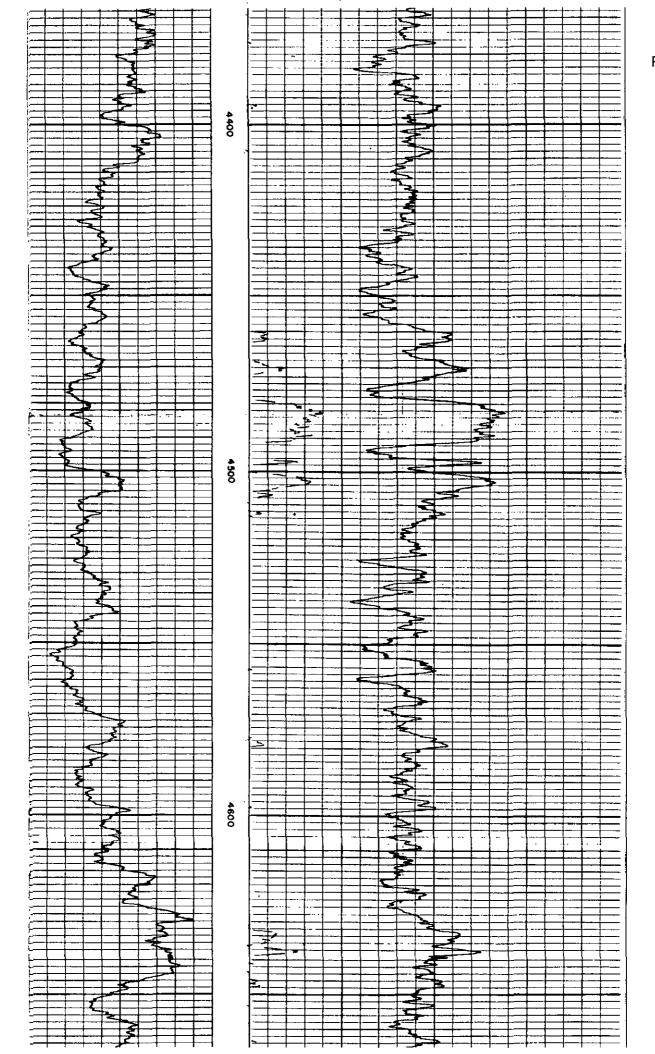
LOG STRIP FOLLOWS

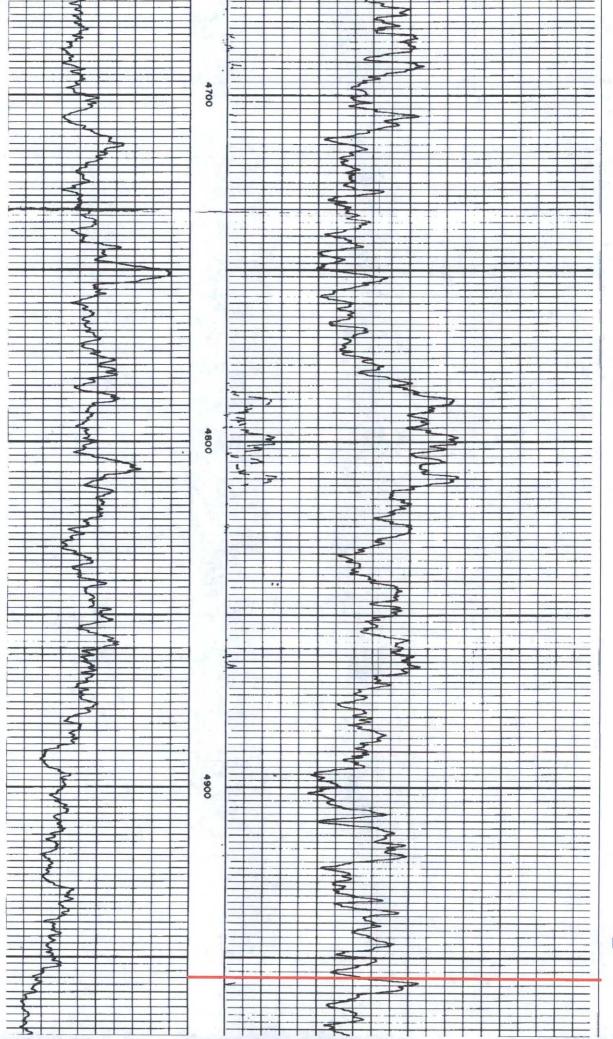
										 		
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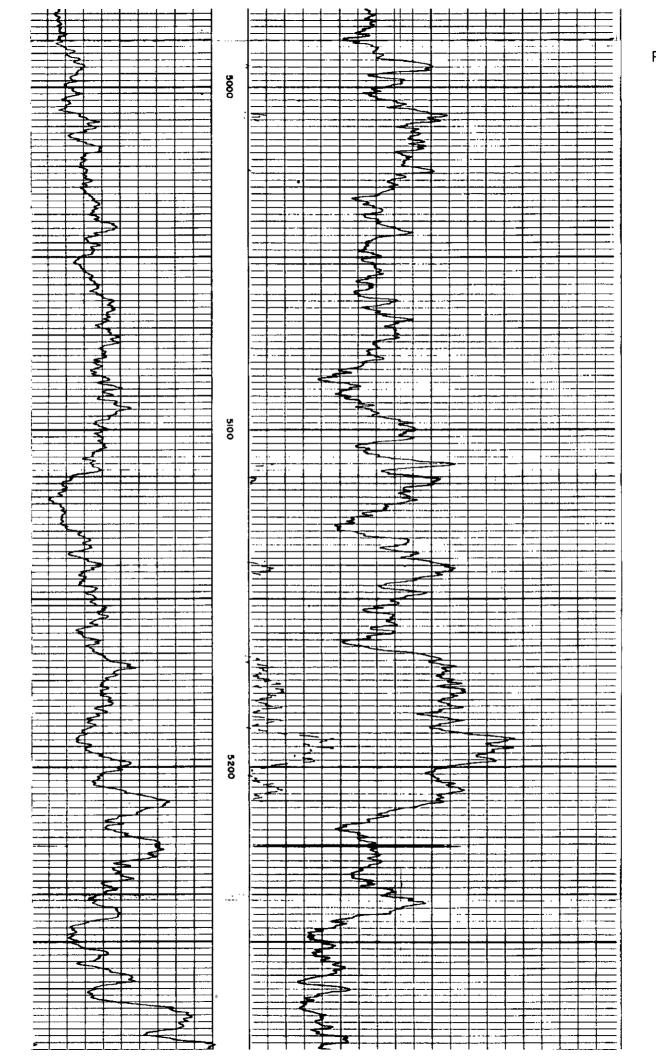








BOTTOM PROPOSED INTERVAL 4956'



C-108 ITEM VII – PROPOSED OPERATION

The McCasland SWD Well No.1 will be operated as a commercial disposal service to area operators to facilitate in disposal of produced water from typical producing formations in the area. (Samples are included in this application from Grayburg and Bone Spring formation waters - chlorides and TDS are relative compatible with San Andres formation waters.)

The system will be closed utilizing a tank battery facility located on the well site.

Injection pressure will be 821 psi with rates limited only by that pressure. In the future, Mescalero Energy, LLC may opt to conduct a step rate test if it is determined that greater rates may be required. This would be submitted to OCD as a request to increase the injection pressure.

Routine maintenance will be ongoing and any releases will be reported within 24 hours to OCD on form C-141 pursuant to various portions of 19.15.30 NMAC.

The facility will not be manned but will be available to Mescalero Energy's customers 24/7. The facility will be available for inspections at any time deemed necessary by OCD.

C-108 - Item VII.4

Water Analysis - Disposal Zone - SAN ANDRES

Schlumberger

Company. Learn & Well County, State Formation BITT (F).					Report No.: Service Point: Prepared by: Prepared for: Date:	SC032 Hobbs Labo E, Collins M. Merchiso 2/25/2003	• • • • • • • • • • • • • • • • • • • •	
Spt.	she gaivity:	1.110	0	74	degrees F	plı	8.00	
Chieques Suitates Carbountae Ericarbehates	Factor 3545, 20 402 1006	6st 17.40 100.0 0.0 1.10	Anic Sample 0.5 10 0.5 0.5	Dris mryi 123366 200 590 2200	0.0208		(me/l) 1.7395 0.0042 0.0197	(ppm) 111141 180 532 1982
Colcium Maryessan han Sortana	Factor 401 243	n:l 5.5, 1.50 0,	Cati Sample 0.5 0.5 0.5	ing/l 441 729	0.0823 60	0.11 0.2206 0.00 0.0598 1.00 0.0000	(me/l) 0.2261 0.0800 0.000 0.000 1.6294	(ppm) 3974 657 0 67489
	Те,	tal Distoly	eu Co llda:{	202409,4	Total Ionic Streng		3.6908	
	Cubelini Čć Elike G-1333	rhonate D quarion: E	riocilión Statillay ind	ax(SI) = p	DH - ρCa - pAlk - K			
	pl 1= pC:= pAik= K=	6,00 0,05 1,54 1,31		Total len	Equivalent NaCt C	oncentration=	185013,6 p	om
	કાગ	4.20		The Stiff- have a to	Davis equation pred indency toward catcl	ticts this water ium carbonate o	does eposition,	
	[Caldium s CasO4 Soti		osillon		2 + 41K) - X)			
	Total lonio S Solutifuly Con		3 6568 0,60250 0,1032					
	S=	44.47 r	ncA l	Laboratory	y analysis shows tha	t this water cont	ains	

4.16 me/l, therfore the tendency towards calcium

suliate deposition does not exist.

C-108 - Item VII.4

Water Analysis - Source Water - GRAYBURG

South Permian Basin Region 10520 West I-20 Eas

Odessa, TX 7976!

(915) 498-919

Lab Team Leader - Sheila Hernande

(915) 495-7240

Water Analysis Report by Baker Petrolite

Company:	APACHE CORPORATION	Sales RDT:	33102
Region:	PERMIAN BASIN	Account Manager:	MIKE EDWARDS (505) 370-9506
Area:	EUNICE, NM	Sample #:	26347 .
Lease/Platform:	ARGO	Analysis ID #:	20257
Entity (or well #):	7	Analysis Cost:	\$40.00
Formation:	Grayburg		

Sample Point: WELLHEAD

Summary	y		A	nalysis of S	iample 26347 @ 75	•F	
Sampling Date:	7/24/01	Anions	mg/l	meq/l	Cations	mg/l	meq/l
Analysis Date:	7/26/01	Chloride:	3638.0	102.61	Sodium:	1860.1	80.91
Analyst: MARILY	N BRANNON	Bicarbonate:	71210	11.67	Magnesium:	359.0	29.53
TDS (mail or olm?)	9977.2	Carbonate:	0.0	o. [Calcium:	955.0	47.65
TDS (mg/l or g/m3):		Sulfate:	2296.0	47.8	Strontium:	17.0	0.39
Density (g/cm3, tonne/n Anion/Cation Ratio:	· '	Phosphate:			Barium:	0.1	0.
Anion/Cation Ratio:	0.9999999	Borate:		}	Iron:	2,0	0.07
	i	Silicate:		İ	Potassium:	138.0	3.53
					Aluminum:		
Carbon Dioxide:		Hydrogen Sulfide:		1	Chromium:		
Охудеп:					Copper.		
Comments:		pH at time of sampling:	•	6.55	Lead:		
		pH at time of analysis:		ļ	Manganese:		
		pH used in Calculation:		6.55	Nickel:		
	1			ļ			
				Į.			

Condi	tions	<u> </u>	Values Ca	lculated a	t the Given	Conditio	ns - Amoun	ts of Scal	e in 16/1000	<u>ьы</u>		
TAME	Gauge Press.	Calcite CaCO ₃		Gypsum CaSO 42H ₂ 0		Anhydrite 0 CaSO 4		Celestite SrSO ₄		Ba Ba	CO ₂ Press	
*F	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0	0.32	42.34	0.00	5.21	-0.07	0.00	-0.05	0.00	0.87	0.00	2.19
100	0	0.44	57.61	-0.01	0.00	-0.01	0.00	-0.04	0.00	0.71	0.00	2.84
120	0	0.57	73.22	-0.01	0.00	0.07	111.75	-0.02	0.00	0.59	0.00	3.55
140	0	0.70	88.49	0.00	4,16	0.17	. 253.34	0.01	0.35	0.49	0.00	4.29

Note 1: When assessing the seventy of the scale problem, both the saturation index (SI) and amount of scale must be considered.

Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

Note 3: The reported CO2 pressure is actually the calculated CO2 fugacity. It is usually nearly the same as the CO2 partial pressure.

C-108 - Item VII.4

Water Analysis – Source Water – BONE SPRING

Editions of July 100 REGG (ED



10.884 PAR S 60 8 50 18BS, N.M. 99240

PHONE: (505) 393-7726

WATER ANALYSIS REPORT

Report for: Lowell Deckert

cc: Kenny Kearney

CC:

CC:

Company: Subsurface Water Disp. Inc. Formation:

Address: P.O. Box 1002

Service Engineer: K. Kearney

Date sampled: 04/29/94. Date reported: 05/01/94

Lease or well # : Lea Bone Springs County: Lea

State: N.M.

Depth:

Submitted by: K. Kearney

CHEMICAL COMPOSITION :	ng/L	•	meq/L
Chloride (Cl)	160000		4513
Iron (Fe) (total)	3.0		
Total hardness	87000		•
Calcium (Ca)	23458		1171
Magnesium (Mg)	6925		556
Bicarbonates (HCO3)	36		1
Carbonates (CO3)	0		•
Sulfates (SO4)	548		11
Hydrogen sulfide (H2S)	n/a		1.1
Carbon dioxide (CO2)	n/a	•	
Sodium (Na)	64373		27 99
Totai dissolved solids	255342		
Barium (Ba)	n/a		
Strontium (Sr)	n/a		
Specific Gravity	1.182		
Density (#/gal.)	9.850		
pH	5.750		
IONIC STRENGTH	5.39		
	aCG3) Stability Index	_	
		:	
sr = bu	- pCa - pAlk - K		

SI @ 86 F = +0.41 104 F = +0.64122 F - 40.90 140 F = +1.19 158 F - +1.51

This water is 90 mg/l (-10.38%) under ITS CALCULATED CaSO4 saturation value at 82 F. SATURATION= 867 mg/L PRESENT= 777 mg/L

> REPORTED BY ROBERT C MIDDLETON TO TECHNICAL SERVICES REPRESEN

C-108 ITEM VIII – GEOLOGIC INFORMATION

Disposal will be into the San Andres formation.

The San Andres formation is overall a thick, porous dolomite exhibiting excellent porosity. Offset logs indicated porosities are generally in the 15-20% range. These porosity zones are very suitable to allow for the disposal of produced water. Sufficient barriers exist in the upper and lower portion of the San Andres formation to prevent vertical migration upwards or downwards into over or underlying producing formations.

The San Andres is overlain by the Grayburg and upwards to the Queen. It is underlain by the Blinebry, Drinkard and Tubb formations.

Fresh water in the area is generally available from the Ogallala formation. State Engineer's records show water wells in the area to have an average depth of 73 feet and a minimum of 30 feet.

There are 2 water wells located within one mile of the proposed SWD. Average depth to water in these wells is 73 feet.

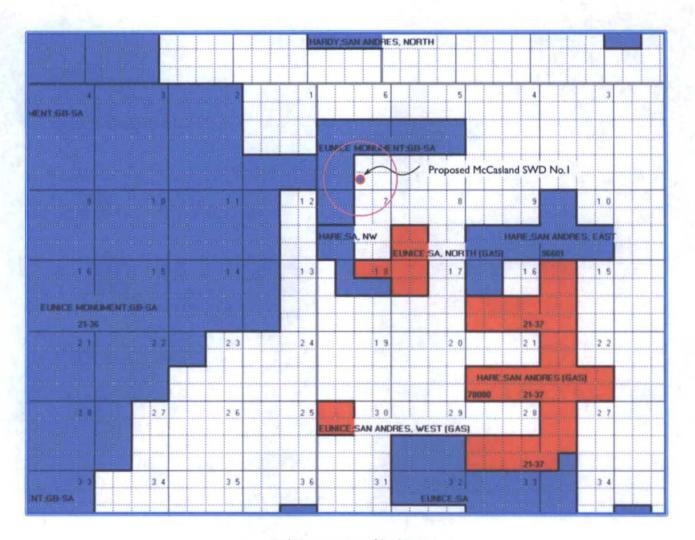
Analyses of both wells is included in the application under Item XII.

C-108 - Item VIII - Geologic Data

SUPPLEMENTAL INFORMATION - POOL DATA

There is signification San Andres pool development in the general area, most notably the Eunice Monument Grayburg/San Andres Pool located to the west. However, in the immediate vicinity, there is much less San Andres production.

The other area Salt Water Disposal wells are also completed in the San Andres. The ½ mile and 1 mile AORs are clear of SA production in the proposed interval.

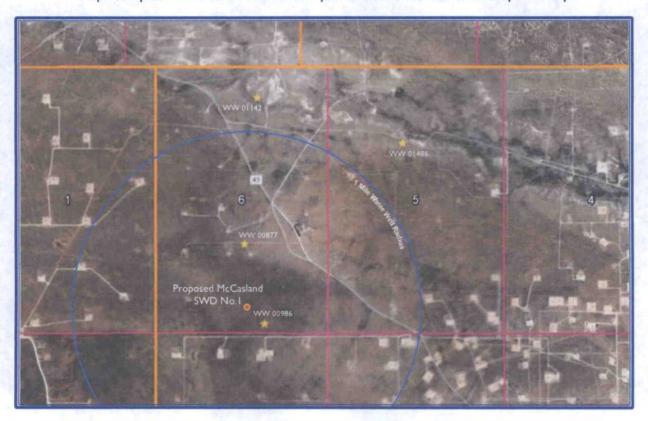


Pool Maps courtesy of Paul Kautz



C-108 ITEM XI – WATER WELLS IN AOR McCASLAND SWD NO.1 – LOCATION & ACCESS ROUTE MAP TO WATER WELLS

A search of the State Engineer's database indicates there are 2 water wells within one mile of the proposed salt water disposal well. The well locations shown below are also indicated on the 2 Mile AOR Map. Samples will be taken and the analyses will be forwarded to OCD upon receipt.





New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

on Constitute	-								(with Owners	ship Information)							
		(acre ft	per ann	num)			E.			(R*POD has been replaced and no longer serves this file, C*the file is closed)			nalles			I=SE) (NAD83 UTN	t in meters)
	Sub basin U	se Dive	ersion	Owner				County	POD Number	Code Grant	Source	9 9 9 6416 4		Tws	Rng	×	· v
		TK		DALLAS MI	CCASLA	ND			CP 00877		Shallow				37E	688920	3598153*
	D	OM	-1	ROBERTM	CCASL	AND		LE	CP 00986 POD1		Shallow	434	06	215	37E	669110	3597437
	М	ON	0	STRAUB C	ORPOR	ATION		LE	CP 01142 POD1			3 1 2	06	218	37E	669008	3599475
	D	OL.	3	MCCASLA	ND RAN	CH, INC.		LE	CP 01486 POD 1	NON		4 2 1	05	215	37E	670332	3599085
unt: 4																	
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									No PODs found	1.							
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tion(s):	1, 12		Te	wnship: 2	ns	Range:	36E										
tion(s):					118	Range:	36E	6.1			1	And the Contract of	-	the state of	the state of	the second	the total

The data is furnished by the NMUSE/ISC and is accepted by the recipient with the expressed uncerstanding that the USE/ISC make no warranties, expressed or implied, concerning the accuracy, completenes reliability, or suitability for any particular purpose of the data.

12/8/15 10:34 AM Page 1 of 1 ACTIVE & INACTIVE POINTS OF DIVERSION

(Red rectangle indicates wells located within one mile of subject well.)



C-108 ITEM XI – WATER WELL ANALYSIS

An analysis of one or more of any water wells located within a one-mile radius of the subject well follow this page.



Refinery Special ties, Inc. Specialty Products for the Oil and Gas Industry



WATER ANALYSIS

Company	McCasland Ranch New Mexico
Field	
Sample Date	3/10/2015

Account Manager	Brad Sears	1
Well	Water Wells #1	
Analysis Date	3/23/2015	

Cations	mg/l	meq/l
Aluminum	0	0
Barium	0	0
Boron	0	0
Calcium	101	4
Iron	0	0
Lead	0	0
Lithium	0	0
Magnesium	19	1
Manganese	0	0
Potassium	2	0
Sodium	101	4
Strontium	1	0
Zinc	0	0

Anions	mg/l	meq/l
Chloride	112	3
Bicarbonate	342	6
Sulfate	142	3

P	ARAMETE	RS	
pH	7.47		Т
Ionic Strength	0		
TDS	820	mg/l	

Temp °F	CaCO ₃ Calcite	CaSO₄.2H₂O Gypsum	CaSO ₄ Anhydrite	BaSO ₄ Barite	SrSO ₄ Celestite	CaSO ₄ ·~0.5H ₂ O Hemihydrate
80	0.33	-2.11	-2.43	0.00	-1.87	-1.84
102	0.55	-2.09	-2.25	0.00	-1.83	-1.86
124	0.77	-2.07	-2.07	0.00	-1.79	-1.87
147	1.00	-2.06	-1.89	0.00	-1.74	-1.87
169	1.23	-2.04	-1.72	0.00	-1.69	-1.87
191	1.45	-2.02	-1.56	0.00	-1.64	-1.85
213	1.67	-2.00	-1.40	0.00	-1.58	-1.83
236	1.90	-1.99	-1.23	0.00	-1.52	-1.80
258	2.13	-1.97	-1.08	0.00	-1.46	-1.75
280	2.35	-1.95	-0.92	0.00	-1.39	-1.70

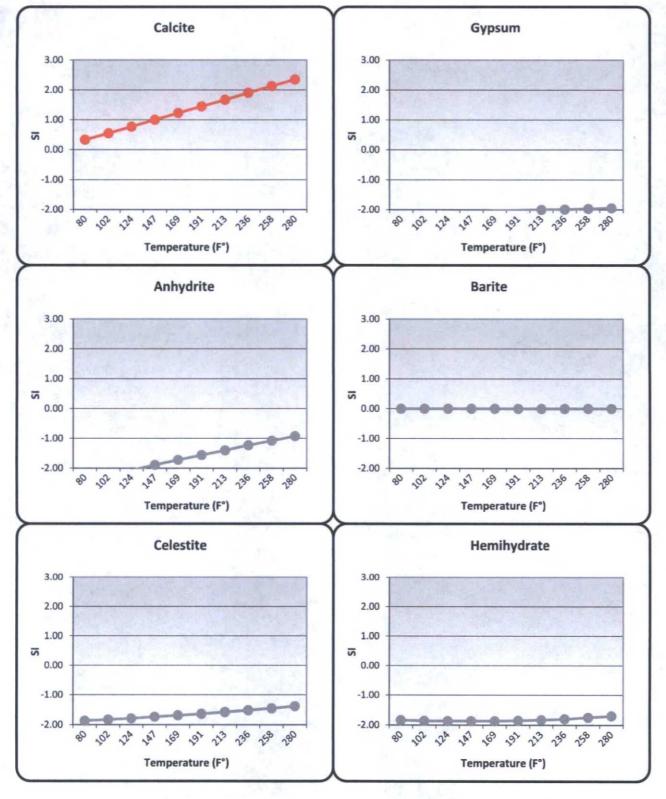
Notes:		



Refinery Special ties, Inc.

Specialty Products for the Oil and Gas Industry





Lease:

Well: Water Wells #1



Refinery Special ties, Inc. Specialty Products for the Oil and Gas Industry



WATER ANALYSIS

Company	McCasland Ranch New Mexico
Field	1.
Sample Date	3/10/2015

Account Manager Brad Sears Well Water Wells #2 Analysis Date 3/23/2015

Cations	mg/l	meq/l
Aluminum	0	0
Barium	0	0
Boron	0	0
Calcium	109	5
Iron	0	0
Lead	0	0
Lithium	0	0
Magnesium	36	2
Manganese	0	0
Potassium	5	0
Sodium	204	9
Strontium	1	0
Zinc	0	0

Anions	mg/l	meq/l
Chloride	236	7
Bicarbonate	354	6
Sulfate	264	5

F	ARAMETE	RS	
pH	7.40	The second second	
Ionic Strength	0		
TDS	1210	mg/l	

Temp °F	CaCO ₃ Calcite	CaSO₄.2H₂O Gypsum	CaSO ₄ Anhydrite	BaSO ₄ Barite	SrSO ₄ Celestite	CaSO ₄ ·~0.5H₂O Hemihydrate
80	0.31	-1.85	-2.17	0.00	-1.65	-1.58
102	0.53	-1.84	-2.00	0.00	-1.61	-1.60
124	0.75	-1.83	-1.83	0.00	-1.58	-1.62
147	0.98	-1.81	-1.65	0.00	-1.53	-1.63
169	1.20	-1.80	-1.49	0.00	-1.49	-1.63
191	1.43	-1.79	-1.33	0.00	-1.44	-1.62
213	1.65	-1.78	-1.17	0.00	-1.39	-1.60
236	1.88	-1.77	-1.01	0.00	-1.34	-1.58
258	2.11	-1.76	-0.86	0.00	-1.28	-1.54
280	2.33	-1.74	-0.71	0.00	-1.21	-1.49

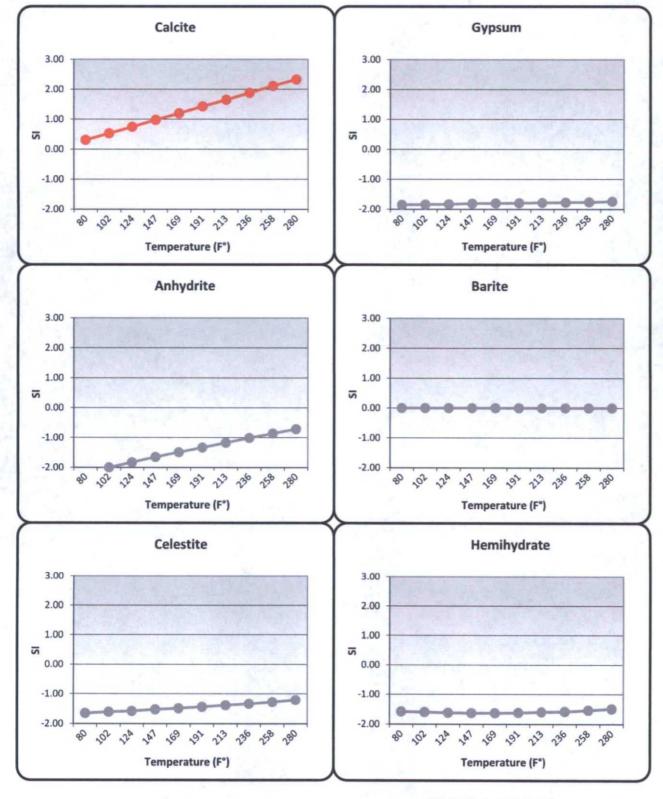
Notes:		



Refinery Special ties, Inc.

Specialty Products for the Oil and Gas Industry



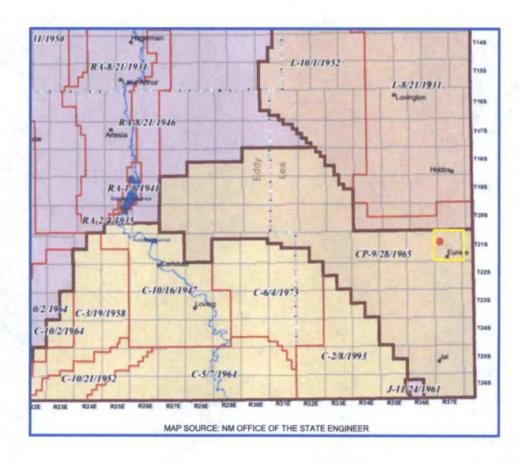


Lease:

Well: Water Wells #2

C-108 - Item XI

Groundwater Basins - Water Column / Depth to Groundwater



The subject well is located within the Capitan Basin, 1 township south of the Lea County Basin.

Alluval Posture See USGS SIM 3044

Fresh water in the area is generally available from the Ogallala; High Plains Aquifer. State Engineer's records show water wells in 7-21S-37E with an average depth to water at 73 feet.

There are two (2) water wells located within one mile of the proposed SWD. Analyses will be forwarded as soon as available.





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

(quarters are 1=NW 2=NE 3=SW 4=SE)

closed)

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

(In feet)

POD

Q Q QSub-Code basin County 64 16 4 Sec Tws Rng

Depth Depth Water Well Water Column; 150

CP 00877

POD Number

LE

06 21S 37E

668920 3598153*

154

73 77

CP 00986 POD1

LE 4 3 4 06 21S 37E

669110 3597437

Average Depth to Water: 73 feet

Minimum Depth:

73 feet

Maximum Depth:

73 feet

Record Count: 2

PLSS Search:

Section(s): 6

Township: 21S

Range: 37E

C-108 ITEM XII - GEOLOGIC AFFIRMATION

We have examined available geologic and engineering data and have found no evidence of open faults or other hydrologic connection between the disposal interval and any underground sources of drinking water.

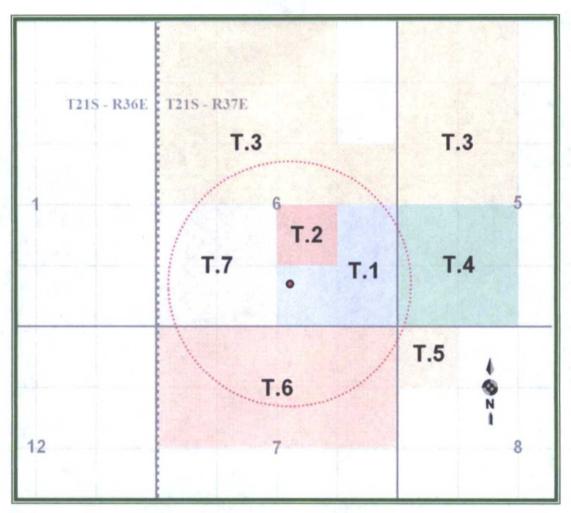
Ben Stone, Partner SOS Consulting, LLC

Project: Mescalero Energy, LLC

McCasland SWD No.1 Reviewed 11/20/2015

McCasland SWD Well No.1 - Leasehold Plat=

(Attachment to NMOCD Form C-108, Application for Authority to Inject.)





LEGEND-

- T.1 NMNM-125793 Apache Corporation
- T.2 NMLC-0031741B Apache Corporation
- T.3 Fee Farm & Ranch Ltd. Partnership (McCasland) / MAR O&G Corp.
- T.4 Fee McCasland Limited Partnership Lea I / Apache Corporation
- T.5 NMNM-125795 Apache Corporation
- T.6 Fee McCasland Limited Partnership Lea I / Apache Corporation;
 J.R. Oil Ltd., Corporation
- T.7 Fee McCasland Limited Partnership Lea I / Apache Corporation

C-108 ITEM XIII – PROOF OF NOTIFICATION INTERESTED PARTIES LIST

SURFACE OWNER

1 McCASLAND LIMITED PARTNERSHIP I (USPS Certified Mail) P.O. Box 205 Eunice, NM 88231

OFFSET MINERALS LESSEES, OPERATORS and SURFACE OWNERS (As applicable.)

(All Notified via USPS Certified Mail)

<u>BLM Leases NMNM-125795; NMLC-0031741B; NMNM-12793 (T.1, T.2 and T.5 on plat.)</u> Lessee / Operator

2 APACHE CORPORATION 303 Veterans Airpark Lane, Ste.3000 Midland, TX 79705

<u>Fee Lease – Farm & Ranch Limited Partnership (McCasland - T.3 on attached plat.)</u> <u>Lessee / Operator</u>

3 MAR OIL & GAS CORPORATION Attn: Leon Romero 21 Bisbee Ct. Suite H Santa Fe, NM 87508

Fee Lease - McCasland Limited Partnership I (T.4 and T.7 on attached plat.)

Lessee / Operator

APACHE CORPORATION 303 Veterans Airpark Lane, Ste.3000 Midland, TX 79705

Opeator (T.4 - Additional to Lessee)

4 CIMEREX ENERGY COMPANY 600 N. Marienfeld Street, Ste.600 Midland, TX 79701

Fee Lease - McCasland Limited Partnership I (T.6 on attached plat.)

Lessees / Operators
APACHE CORPORATION
303 Veterans Airpark Lane, Ste.3000
Midland, TX 79705

5 JR OIL, LTD COMPANY 3500 Acoma Hobbs, NM 88240

C-108 ITEM XIII – PROOF OF NOTIFICATION INTERESTED PARTIES LIST (cont.)

OFFSET MINERALS OWNER (Noticed as Regulator via FedEx)

U.S. DEPARTMENT OF INTERIOR Bureau of Land Management Oil & Gas Division 620 E. Greene St. Carlsbad, NM 88220

REGULATORY

NEW MEXICO OIL CONSERVATION DIVISION (FedEx'ed original and copy) 1220 S. St. Francis Dr. Santa Fe, NM 87505

NEW MEXICO OIL CONSERVATION DIVISION (FedEx'ed copy) 1625 S. French Drive Hobbs, NM 88240

U.S. DEPARTMENT OF INTERIOR Bureau of Land Management Oil & Gas Division 620 E. Greene St. Carlsbad, NM 88220



December 17, 2015

NOTIFICATION TO INTERESTED PARTIES

Via U.S. Certified Mail

To Whom It May Concern:

Mescalero Energy, LLC, Houston, Texas has made application to the New Mexico Oil Conservation Division to drill and complete for salt water disposal the McCasland SWD Well No.1. The proposed SWD will be for commercial operation available to area operators. As indicated in the notice below, the well is located in Section 6, Township 21 South, Range 37 East in Lea County, New Mexico.

The disposal interval will be through an openhole completion from 4206 feet to 4956 feet in the San Andres formation.

Following is the legal notice published in the Hobbs News-Sun, Hobbs, New Mexico on or about December 10, 2015.

LEGAL NOTICE

Mescalero Energy, LLC, 510 Bering Dr. Ste.430, Houston, TX 77057, is filing Form C-108 (Application for Authority to Inject) with the New Mexico Oil Conservation Division for administrative approval to permit for salt water disposal its McCasland SWD Well No.1. The undrilled well will be located 877' FSL & 2412' FEL in Section 6, Township 21 South, Range 37 East in Lea County, New Mexico. The commercial SWD well will be used to dispose of area produced water into the San Andres formation through an openhole interval from maximum top of 4206 feet to a maximum depth of 4956 feet. (This interval was selected to adequately protect offsetting interests.) Maximum injection pressure will be 841 psi with a maximum rate limited only by such pressure.

Interested parties wishing to object to the proposed application must file with the New Mexico Oil Conservation Division, 1220 St. Francis Dr., Santa Fe, NM 87505, (505)476-3460 within 15 days of the date of this notice. Additional information may be obtained from the applicant's agent, SOS Consulting, LLC, (903)488-9850 or, email info@sosconsulting.us.

You have been identified as a party who may be interested as an offset lessee or operator.

You are entitled to a full copy of the application. A full copy in PDF format on a mini-CD will be arriving within a few days of this notice. If you do not receive it, please call or email SOS Consulting, LLC at 903-488-9850, info@sosconsulting.us, and a copy will be expedited to you and may also be sent via email if preferred.

Thank you for your attention in this matter.

Best regards,

Ben Stone, SOS Consulting, LLC
Agent for Mescalero Energy, LLC

Cc: Application File

C-108 - Item XIV

Proof of Notice (Certified Mail Receipts)

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	200	Return Receipt (electronic) \$ Gentified Mail Restricted Delivery \$	<u> </u>	Postmark	(2)	
		Adult Signature Required \$ Adult Signature Restricted Delivery \$	-	1 20	/ /	
		Postage 11 Cl	7			
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		Street and MAR OI	L & G/	AS CORPORATION		
	L-	0.17, 0.11.0,		eon Romero		
		2.		ee Ct. Suite H	tions	
		\$	Santa.F	e_NM_87508	,	

C-108 ITEM XIII – PROOF OF NOTIFICATION Regulatory Filings

Mescalero Energy, LLC

McCasland SWD No.1

C-108 sent 12/17/15

FedEx Tracking Nos.

OCD SF - 7752 4086 4396

OCD Hobbs - 7752 4088 6162

BLM - 7752 4091 1650

I hereby certify that a full copy of the subject C-108 application was sent to the applicable regulatory agencies as indicated above.

Ben Stone, Partner SOS Consulting, LLC

Agent for Mescalero Energy, LLC

Affidavit of Publication

STATE OF NEW MEXICO **COUNTY OF LEA**

I. Daniel Russell. Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

> Beginning with the issue dated December 10, 2015 and ending with the issue dated December 10, 2015.

Publisher

Sworn and subscribed to before me this 10th day of December 2015.

Business Manager

My commission expires January 29, 2019

(Seal).

OFFICIAL SEAL **GUSSIE BLACK** Notary Public State of New Mexico
My Commission Expires 1-29-19

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said

LEGALS

LEGAL NOTICE December 10, 2015

Mescalero Energy, LLC, 510 Bering Dr. Ste.430, Houston TX 77057, is filing Form C 108 (Application for Authority 108 (Application for Authority to Inject) with the New Mexico Oil Conservation Division for administrative approval to permit for salt water disposal its McCasland SWD Well No.1. The undrilled well will be tocated 877 FSL & 2412 FEL in Section 6 Township FEL in Section 6, Township 21 South, Range 37 East in Lea County, New Mexico. The commercial SWD well will be used to dispose of area produced water into the San Andres formation through an openhole interval from maximum top of 4206 feet to a maximum depth of 4956 feet. (This interval was selected to adequately protect offsetting interests:)
Maximum injection pressure
will be 841 psi with a
maximum rate limited only by such pressure.

Interested parties wishing to object to the proposed application must file with the New Mexico Oil Conservation Division, 1220 St. Francis Dr., Santa Fe, NM 87505, (505)476-3460 within 15 days of the date of this notice. Additional information may be obtained from the applicant's agent, SOS Consulting, LLC, (903)488-9850 or, email info@sosconsulting.us. #30544

67104420

00167662

BEN STONE SOS CONSULTING, LLC. P.O. BOX 300 COMO, TX 75431



December 17, 2015

New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Attn: Mr. David Catanach, Director

Re: Application of Mescalero Energy, LLC to permit for salt water disposal the proposed well McCasland SWD No.1 well located in Section 6, Township 21 South, Range 37 East, NMPM, Lea County, New Mexico.

Dear Mr. Catanach,

Please find enclosed form C-108 Application for Authority to Inject, supporting the above-referenced request to covert for disposal, the McCasland SWD Well No.1.

Mescalero Energy seeks to create additional solutions for disposal in various locations in southeast New Mexico. Approval of this application is consistent with that goal as well as the NMOCD's mission of preventing waste and protection of correlative rights.

Published legal notice ran in the December 10, 2015 edition of the Hobbs News-Sun and all offset operators and other interested parties have been notified individually. The legal notice affidavit is included with the application. This application also includes wellbore schematics, area of review maps, leaseholder plats and other required information for a complete Form C-108. The well is located on private land and minerals.

I respectfully request that the approval of this salt water disposal well proceed swiftly and if you or your staff requires additional information or has any questions, please do not hesitate to call or email me.

Best regards,

Ben Stone, Partner SOS Consulting, LLC

Agent for Mescalero Energy, LLC

Cc: Application attachment and file

C-108 Review Checklist: Re	ceived 12/21/15 _{Add. Reque}	1344 Pro	Tested - HC pate Reply Date: 01/29/11	Suspended: 11/2 Z/ [Ver 16]
ORDER TYPE: WFX / PMX/SWD Hui	mber: 1616 Orde	Date: 2 8	3/20/(Legacy Permits	s/Orders: <u>WA</u>
Well No. Well Name(s): Mc Casla	nd SWD	,,,,,,		
API: 30-0 25 - Pendina Spud Dat	e: <u>TBD</u>	New or Old:	NOU (UIC Class II	Primacy 03/07/1982)
Footages 877 FSL 2412 FEL Lot /	or Unit Sec	_ Tsp _ 21.	S Rge <u>37E</u>	County Lea
General Location: 4.5 miles NW of Eunice			n Andres	Pool No.: 96121
BLM 100K Map: Hobbs (south band) Operator: Mes	calero Energy, LL	<u>C</u> ogrid	: 370198 Contac	Ben Stone Ses Consultry
				i.9 OK? 18 Date: 2/8/16
WELL FILE REVIEWED Current Status: No AP	D posted - no ap	dicetion		
WELL DIAGRAMS: NEW: Proposed or RE-ENTER:	Before Conv. () After C	onv. () L	ogs in Imaging:	3D/minimum
		Ü	· · · · · ·	GRICNL - mudlog
Planned Rehab Work to Well: NA Sizes (in)	Setting		Cement	Cement Top and
Well Construction Details Borehole / Pipe	Depths (ft)	r ('.	Sx O Cr	Determination Method
Planned or Existing Surface 12 4 / 9 5/8	<u> 1400</u>	Stage Tool	500	Cir to surface
Planned or Existing Interm/Prod 89/4/7	<u> </u>	DVat28a	1775 (total)	Cir to surfuce
Planned_or Existing _Interm/Prod				
Planned_or_Existing_Prod/Liner			ret select	
Planned_or Existing _ Liner	11	In Length	political de maria de la la la compania de la comp	A 40
Planned of Existing OH PERF 5/2	4206 to 4956	II	Completion	/Operation Details:
Injection Lithostratigraphic Units: Depths (ft)	Injection or Confining Units	pp@Tops	Drilled TD	PBTD
Adjacent Unit: Litho. Struc. Por.	Queen	3625	NEW TD 4956	NEW PBTD
Confining Unit: Litho. Struc. (Po) ± 250	Grayburg	3790;		or NEW Perfs Q
Proposed Inj Interval TOP: 4206	Sin Andress	3940		in. Inter Coated? <u>Yes</u>
Proposed Inj Interval BOTTOM: 4956	<u> </u>	~ ~~	Proposed Packer D Min. Packer Depth	
Confining Unit: (Litho.) Struc. (For.) 2300' Adjacent Unit: Litho. Struc. Por.	Glorieta Padack	5250' 5285'	Proposed Max. Surf	
AOR: Hydrologic and Geologic In		10200		0.2 psi per ft)
POTASH: R-111-P NA Noticed? NA BLM Sec Ord	to great a company of the contraction of the contra	NA Salt/Sal		- 11
FRESH WATER: Aquifer Alluvial / Suita Rosa	Dropant 73 ZI		magina alipatantem lilatana di dinda di tenda	NT By Qualified Person
NMOSE Basin: CAPITAN REEF: thru	adj () N	O NE		FW Analysis? Les
Disposal Fluid: Formation Source(s) Graybury 54	→ Devis Dorta Analysis	2 100	On Lease () Operat	or Only () or Commelicial (/// I
Disposal Interval: Inject Rate (Avg/Max BWPD):	SC 5000 Protectable V	∨aters. سمار	Proportion - In assoc	System: Closed of Open
HC Potential: Producing Interval In Area Gen	oducing? No Method:	Logs/DST/P	& A/Other HC potent	2-Mile Radius Pool Map
AOR Wells: 1/2-M Radius Map? 1/3 Well List?	ميد د مسيده ده وسيده ميت المسيده ويدر موادر الم		7	
Penetrating Wells: No. Active Wells 2 Num Repairs	on which well(s)?_	30-025	- 35855	Diagrams? Yes & No
Penetrating Wells: No. P&A Wells Num Repairs?	on which well(s)?	(well	application	Diagrams? 125
NOTICE: Newspaper Date 12 10 15 Mineral (Owner BM	_ Surface Ç	wner Private (McCasland N. Date 12/17/15
RULE 26.7(A): Identified Tracts? Affected Pers	sons: Apache / Mar	Oil& Gas	Cimerex / JR	N. Date 12/17/15
Order Conditions: Issues: BLM protest	: HC potential or	d yell	Construction (rishore #2); Bradenho
Add Order Cond: Evaluation report BLM	Concur Fivel Cons	t-final;	Kemedial Cont	on of Aer
, .	•	· ,	Mae G	urrox No 5

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 1301 W. Grand Avenue, Artesia, NM 88210					State of New Mexico BES CCD Energy, Minerals and Natural Resources					ŀ	1. WELL API NO.							
District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505					Oil Conservation Div Nov 1 2 2014 1220 South St. Francis Dr. Santa Fe, NM 87505 DECEVED 30-025-35855 2. Type of Lease STATE FED/INDIAN 3. State Oil & Gas Lease No.							DIAN						
					ECO	MDI	ETION RE		OT A	VILL	ECFIAE	<u>ر</u> ر	N/down as	e Sug		essis di		
4. Reason for fiji			ONC	<u> </u>		IVIFL	E HON RE	FOR	\	AND	LOG	1980	. Lease Name	-	nit Aer	eement N	lame	
■ COMPLET:	ON REI											1	Mae F Curry 5. Well Numb	<u>/ (</u>	30914			
C-144 CLOS #33; attach this a	URE AT	FTACH it to the	IMENT C-144 c	Fill ir Josure r	n <i>boxes</i> report i	#1 thre n accor	nugh #9, #15 Da dance with 19.1	te Rij 5.17.	g Relea 13.K N	ased ar IMAC'	nd #32 and/)	or (005					ľ
7. Type of Comp	letion:						□PLUGBACK					—.—	OTHER /	ADD	BLINE	BRY		
8. Name of Opera	tor Ans	che C	ornora	tion	ALIER ICE	MING	LITEOGRACE		DITT	LINEIT	KESEKT	717	OGRID 87	3		×		
10. Address of ()	erator		orpora										1. Pool name		ildcat			
10. Address of ()	3 N	03 Vet Iidland	terans I, TX 7	Airpar 79705	rk Lan	e, Su	ite 1000						Hardy; Bline			0) / Hai	dy; T-D	(29760)
12.Location	Unit Ltr		ection		Fownsh	ip	Range	Lot		Ţ	Feet from the	ic 1	N/S Line	Feet	from th	e E/W	Line	County
Surface:	В		7_		21	S	37E			.]	660		N	1	780		E	Lea
BH:																		
13. Date Spudded 06/25/2002	07/1	0/2002		ed	07/1	1/200		-1		10/2	3/2014		Ready to Prod			RT, GR,	etc) 35	F and RKB, 09' GL other Logs Run
18. Total Measure 7003'	ed Depth	of Well			6925		k Measured Dep	oth		20. \ 	was Directi	onais	Survey Made?		21. <u>)</u> 	/pe miect	ric and C	uner Logs Kun
22. Producing Int Blinebry 5762	erval(s), -6253';	of this c Tubb (ompletic 6415'-6	on - To:	p, Bott Drink	om, Na ard 6	mc B11'-6831'			•								
23.					(CAS	ING REC	OR	D (R	Cepoi	rt all str	ings						
CASING ST	ZE	W	EIGHT					HOLE SIZE			CEMENTING RECORD			AMOUNT PULLED				
8-5/8'· 5-1/2'			241	`	1332'						-1/4" 7/0"	-	635 sx (
5-1/2" 15.5#			D#F	4679'			7-7/8"		-	1628 sx Class C		 		- -				
					<u>_</u>			$\neg \uparrow$				\dashv				f		
24. SIZE	Lucan			Down		LINE	R RECORD		Leen			25. SIZE			G RE		LDACK	to erer
4-1/2"	TOP	0		BOTT	<u>ом</u> 7001'		SACKS CEMI 443 sx C		SCR	REEN	-	SIZE	2-3/8"	+ DE	PTH SI 684		PACE	ER SET
	 				1001		- 440 3X C	<u>,</u>	┼				2 0.0	+-		<u> </u>	 	· · ·
26. Perforation							· · · · · · · · · · · · · · · · · · ·						CTURE, CE					
Blinebry 5762									DEI		NTERVAL 2' - 6253'		AMOUNT A					sai; 216,740# sand
Tubb 6415'-6 Drinkard 681										- 576	2 - 6255		97 12 gai aud,	142,54	yai rau	3540 gai	ND CIRVEI	Sdi, 2 10,740# 38110
				·-··				m	ODI	TOT	ION	!						
28. Date First Produc	tion		Pro	oduction	n Meth	nd (Fla	wing, gas lift, p				ION		Well Status	(Pro	d. or Sh	ut-in)		
10/23/20				0 Pun			Bi B Wi F.				2F-132		Produ			,		ļ
Date of Test		s Tested		Choke					Oil	- Bbl		Gas -	as - MCF		Water - Bbl.		Gas - Oil Ratio	
10/26/2014	. 2	24					Test Period		96		ŀ	216		22	20		225	ا ه
Flow Tubing Press.	Casir	ng Pressi	ure	Calcu Hour	lated 2 Rate	4-	Oil - Bbl.		<u> </u>	Gas -	MCF	1 %	ater - Bbl.		Oil G	7 avity - 7	API - (Co	rr.)
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold							30. Test Witnessed By Apache Corp.											
31. List Attachine	ints C-1	03, C-	104					·						^	aone '	<u>оогр.</u>		
32. If a temporar	pit was	used at	the well	, attach	a plat	with the	e location of the	temp	огагу	pit.							<u></u>	
33. If an on-site	urial wa:	s used at	t the wel	II, repor	t the c	cact loc	ation of the on-s	site bu	ırial:									
							Latitude						Longitude				N.	AD 1927 1983
I hereby certij	fy that t	he info	ormati	on sho	onun o		Printed	-		rue a						edge a		
Signature	Kles	6-4	Ksho	n			Name Rees	a Fis	sher		Titl	c S	r. Staff Reg	Ana	lyst		Date	11/05/2014
E-mail Addre	ss Ree	sa.Fisl	her@a	pache	ecorp.	com									1/	2		

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

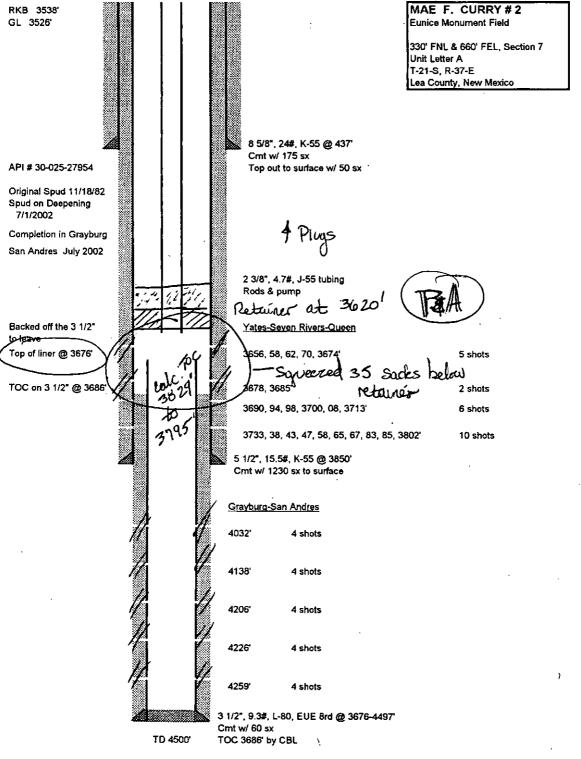
Southea	stern New Mexico	Northy	vestern New Mexico
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt_	T. Strawn_	T. Kirtland	T. Penn. "B"
B. Salt	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates 3052'	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers 3318'	T. Devonian	T. Cliff House	T. Leadville_
T. Queen 3630'	T. Silurian_	T. Menefee	T. Madison
T. Grayburg 3790'	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres 3946'	T. Simpson	T. Mancos	T. McCracken
T. Glorieta 5250'	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock 5288'	T. Ellenburger_	Base Greenhorn	T.Granite
T. Blinebry 5735'	T. Gr. Wash	T. Dakota	
T.Tubb 6336'	T. Delaware Sand	T. Morrison	
T. Drinkard 6750'	T. Bone Springs	T.Todilto	
T. Abo 6904'	T. Rustler	T. Entrada	
T. Wolfcamp	T. Tansill	T. Wingate	
T. Penn	T. Penrose	T. Chinle	
T. Cisco (Bough C)	T. Bowers-SD	T. Permian	

			OIL OR GAS SANDS OR ZONE
No. 1, from	to	No. 3, from	to
No. 2, from	to	No. 4, from	to
	IMPORTANT	WATER SANDS	
	vater inflow and elevation to which water		
No. 1, from	to	feet	
No. 2, from	to	feet	
No. 3, from	to	feet	•••••
	LITUOLOGY DECORD	(A++1-11-111)	

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	То	Thickness In Feet	Lithology	From	То	Thickness In Feet	Lithology
							4
				I			
							*

	A	pache (6	1	П
		Mae F.				(5)	MATICI	MP
	WELL DIA	GRAM (PRO	POSED (CONFIGURATIO	N)			-
		WELL N	AME:	Mae F. Curry#5		API:	30-025-358	55
8-5/8" CSG. CMT. CIRC.		LOCATIO		660' FNL & 1780' Sec. 7, T-21S, R-	The state of the s	COUNTY:	Lea Co., NN	
	11 11 11	SPUD/TD	DATE:	6/25/2002 - 7/8/2	002	PREPARED BY:	Michael Hur	iter
1		COMP. D	ATE:	9/15/2002		UPDATED:	8/11/2014	
1111				KB Bev. (ft):	3519.0	KB ELEV:	10.0	
5-1/2" CSG. CMT. CIRC.		and the same of th		Ground Elev. (ft):		THE CALLY.	10.0	
Jan Cod Cint. Circ.		_		SIZE (IN)	WEIGHT (LB/FT)	GRADE	DEPTHS	S /FT)
(11	ns'elev difference w/sub loca	Surface (8-5/8°	24.00	J-55	0.00	
	1:10-5	Surface (Jasing	(Crtt. w /635x,	24.00	3-55	0.00	1,332.0
5-1/2" DV Tool @ 2154"	afferance			circ)			-	
(Not Used, Shifted Closed)	10 SUD 100	eth						
)			g	5-1/2*	15.50	J-55	0.00	4,679.
111	N 4200	-	- 1	(Crrt. w/1300x,				
1		И		circ)				
4679' _ 4	No	Prod. Ca	sing	4-1/2"	11.60	J-55/L-80	0.00	7,001.0
10.7 - 7	17 cmt,	M I		(Ont. w/443x,				
\1	1 20	a I		TOC @ 48187				
4-1/2" CSG.	1 (200	Tubing		2-3/8"	4.70	J-55	0.00	6,858.
TOC @ 4818' (CBL)								
	1 3	4		PRO	DUCTION TBG	STRING		
RP monts	~ 4950	4 ITEM		DE	SCRIPTION		LENGTH	Depth
BP reports 4810'	1 1	11CM		DE	SCHILION		(FT)	(FT)
4810'	<i> </i> <i>k</i>	1	214 JTS 2	-3/8" 4.7# J-55 TBC	3	-		
1010	4	2	TAC					5650.0
6	hd 12	3	SN					6858.
5	FI D	4						
<i>है</i> । ग		5						
V.	7 (** 10)	6					-	_
1	HM	7						
0		8					-	
X	1							_
1	Blinebry Perfs	10					_	_
(a)	(Proposed)	10		nno	DUCTION DOD	CTOING		
71	5762 - 6148	-		PRU	DUCTION ROD	STRING		-
VI.	48', 48 shots	ITEM		DE	SCRIPTION		LENGTH	Btm
1		-					(FT)	(FT)
<u>Y</u>	1	1	59 JTS 1°				2,212.50	
6		2	90 JTS 7/6	* KD RODS			2,250.00	
2		3	79 JTS 3/4	" KD RODS			1,975.00	
le le	Tubb Perfs	4	17 JTS 1-	1/4" K BARS			425.00	
9	(Active)	6	BHP. 2" X	1 1/2" X 24" FHBC			24.00	
	6415 - 6483'	6				***************************************		
2 -	5, 20 shots	7						
1	(Proposed)	8						
6	6247 - 6253	9						
6	4', 4 shots	10						
	1			SI	JRFACE EQUIP	MENT		
	11 12	PUMPING	UNIT SIZ		M-320-256-144			
Ž.	11 12	PUMPING	UNIT MA	KE:	Lufkin	MOTOR MAKE:		
8	Drinkard Perfs				PERFORATION	NS		
	(Active)	Form.	Intervals	1			FĪ	SPF
ł l	6811 - 6831'			d: 5762-63', 76-77	7, 90', 96', 5802',	06', 12', 29-30',		
	207, 80 shots	Blinebry	55', 58', 6 74', 6078	52', 67', 72', 79', 59 1-79', 94-95', 6114	006-07', 40-41', 5' 1, 17', 20', 24', 32-	7', 61', 65', 71',	48	1
8	· · · · · · · · · · · · · · · · · · ·		51', 56-57', 83-84', 6214-25', 47-48'					
<u> </u>	- []	Tubb	-	d: 6247'-48', 51', 5			4	4
VI.	PBTD (ft): 6,924.0	,	_	15-16', 35'-36', 4	7'-48', 57'-58', 82	?'-83'	5	4
	TD (ft): 7,011.0	Drinkard	Active: 68	11-31			20	4
		La atkaru	1				1	



PBTD 4470'

OLT 5/20/05

Office , Submit 3 Copies To Appropriate District	Energy, Minerals and Na			May 27, 2	
District 1 1625 N. French Dr., Hobbs, NM-87240	Energy, Whiterall and The		WELL API NO.		7007
District II 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATI	ON DIVISION		25-27954 	_
District III	1220 South St. 1		5. Indicate Type		
1000 Rio Brazos Rd., Aztec, NM 87410 District IV	Santa Fe, NM	1 87505	STATE	· · · · · · · · · · · · · · · · · · ·	
1220 S. St. Francis Dr., Santa Fe, NM 87505			6. State Oil & C	ias Lease No.	
SUNDRY NOTIC (DO NOT USE THIS FORM FOR PROPO DIFFERENT RESERVOIR. USE "APPLIC PROPOSALS.)."		N OR PLUG BACK TO A	7. Lease Name CURRY, MAE F.	or Unit Agreement Name	::
1. Type of Well:			8. Well Number		
Oil Well 🛣 Gas Well 🗌	Other			2	
2. Name of Operator			9. OGRID Numi		
BP AMERICA PRODUCTION COMP 3. Address of Operator	ANY		10. Pool name o	00778 or Wildeat	\dashv
P. O. BOX 3092, ROOM 6.115	, HOUSTON, TEXAS 77253		EXINICE MONUME		
4. Well Location				-	
Unit Letter	330 feet from the	NORTH line and	660 feet f	rom the EAST	line
Section 7	Township 21S	Range 37E	NMPM	County LEA	
	11. Elevation (Show wheth		rtc.)		
Pit or Below-grade Tank Application	or Closure	3526' GL	<u> </u>		\dashv
Pit type SIFET Depth to Groundwater		frosh water well >1000 ' To	ietonoo from paarest si	urface water >10001	
Pit Liner Thickness: mil		mebbls; Construct		illace water <u></u>	
TREME THERES.	Delow-Grade Tank. Fold	me	1011 7714101141		
PERFORM REMEDIAL WORK TEMPORARILY ABANDON PULL OR ALTER CASING	PLUG AND ABANDON CHANGE PLANS MULTIPLE COMPLETION	REMEDIAL WORK COMMENCE DRILL CASING TEST AND CEMENT JOB	T _ 9	ALTERING CASING	X
OTHER:		OTHER:		ار تمام مرسور المرسور	
13. Describe proposed or completed of starting any proposed work). or recompletion. PLOGGING DATES: JUNE 13 TO POOR WITH TUBING; SET CEMENT ON TOP OF RETAIL TOP OF CEMENT PLOG @ 1188 ANOTHER 10 SX CEMENT PLOG SURFACE HOLE MARKER.	SEE RULE 1103. For Mult THRU JUNE 17, 2005 ENT RETAINER @ 3620'; SE VER; TAGGED CEMENT @ 328 V; SPOTTED ANOTHER 25 SP	DUMENZED 35 SXS OF CE 80'; SPOTTED 25 SX OKS OF CEMENT & 495';	MENT BELOW RETAINED TOP OF	AINER; SPOTTED 25 SEC 153' & @ 1400'; TAGE CEMENT @ 257'; SPOT	5 50 1750
I hereby certify that the information al				alternative OCD-approved pl	lan 🔛
SIGNATURE Que Oulli			STAFF ASSISTANT		2005
Type or print name SUE, SELLERS	•	E-mail address:	sue.sellers Te	bp.ccm elephone No. 281-366-2	052
APPROVED BY AUGUST	1 1 1 1	OC FIELD REPRESEN		DATE SEP 13	<u> 20</u> 05
Conditions of Approval, if any:		4	Approved as to p Liability under bo surface restoration	olugging of the Well Board is retained until	3 200 !

From:

Goetze, Phillip, EMNRD

Sent:

Friday, January 29, 2016 7:51 AM

To: Cc: 'Swartz, Paul'

CC:

Ben Stone

Subject:

RE: Paying Quantities of Hydrocarbons

Thanks Paul. The requested information will be made part of the order. PRG

Phillip R. Goetze, PG

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

Direct: 505.476.3466

e-mail: phillip.goetze@state.nm.us

----Original Message-----

From: Swartz, Paul [mailto:pswartz@blm.gov] Sent: Thursday, January 28, 2016 6:06 PM

To: Ben Stone <ben@sosconsulting.us>; Goetze, Phillip, EMNRD <Phillip.Goetze@state.nm.us>

Subject: Paying Quantities of Hydrocarbons

Perhaps to help answer Phillip Goetze question on what the BLM needs to evaluate that the disposal zone cannot produce hydrocarbons in paying quantities, here is better clarification.

- \cdot Operator to submit open hole electric logs GR and CNL with resistivity along with mud logs
- Operator to swab test the injection formation if necessary obtain a water analysis of the formation (Swab testing should at continue for 24 hrs but this can be determined on a case by case basis)

Provide connate water saturation and insitu water salinity based on open-hole logs

Operator can submit a written report with backup documentation formally stating that based on their evaluation with the supporting documentations that the injection zone cannot produce hydrocarbons in paying quantities.

This written report can and should include data from offset wells both vertical and horizontal completions.

A good example is from R360; in this case R360 submitted all the required data/documentation and then submitted the attached report.

(note: R360 on the Halfway SWD swab tested for a day and and obtained formation water samples for analysis)

Geolex agent for DCP Midstream and Frontier also submits good reports attached to Sundries.

I admit that these reports do not necessarily need to be like the attached example or what Geolex provides on the Acid gas wells; but these companies have the staff and time to start paying attention to these water disposal formations. There are also reservoir Engineers and Geologist working as independent contractors that will do this type of reports/work.

This information will be reviewed by the BLM Engineering/Geological department at the Carlsbad filed office.

Paul as you indicated you can handle the casing design.

You can forward this on to Phillip

Edward G. Fernandez
Petroleum Engineer
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE
620 E. Greene St
Carlsbad, NM 88220
Ph: (575) 234-2220

FAX: (575) 234-5927

From:

Swartz, Paul <pswartz@blm.gov>

Sent:

Tuesday, January 12, 2016 2:39 PM

To:

Goetze, Phillip, EMNRD

Subject:

Mescalero - McCasland No.1 C-108...

Phillip,

Your email to Ben Stone regarding the Mescalero - McCasland No.1 C-108 has the statement:

"OCD will include any negotiated limitations as part of an injection order. And OCD will have no issues with regards to BLM requirements for well construction under Onshore No. 2. PRG"

In the situation where a proposed disposal well penetrates federal minerals with federal surface, BLM approves the casing design, and BLM conditions of approval include the statement:

"Operator shall submit an evaluation of existing logs to include the mud logs and shall perform production tests to verify that the disposal formation cannot produce hydrocarbons in paying quantities.

That evaluation is to be reviewed by BLM prior to initiating injection."

Handling of wells on State or Fee surface with Federal minerals is awkward for the BLM Carlsbad Field Office. BLM takes the position that every well drilled into federal minerals is a producer until proven otherwise. Which makes it imperative that BLM approve the wellbore design and has documented information showing that the formation is void of hydrocarbons. Presently we work off of the received C-108 to contact the Operator/OCD and voice our concerns. Operators and OCD have been cooperative when contacted, although the resolution process is awkward. Usually because of BLM's overlooking the situation, our chance of addressing those concerns in time for resolution can slip by. Both the Operator's and OCD have been supportive when contacted.

Meeting the goals of approving the well's casing design, documenting that the well is void of hydrocarbons, and protecting ultimate recovery of other natural resources of federal minerals is a charge of BLM's Carlsbad Field Office where federal minerals are affected.

Ben Stone's thoughtful request and your response brought to light a possible approach that possibly could bring the BLM process nearer to harmony. In short, for disposal wells in Eddy and Lea Counties with State or Fee surface rights and Federal minerals, could these concerns or a requirement for joint approval be included as part of the SWD Administrative Order?

pswartz 575-200-7902

From:

Goetze, Phillip, EMNRD

Sent:

Thursday, January 28, 2016 12:26 PM

To:

Ben Stone (ben@sosconsulting.us); Swartz, Paul (pswartz@blm.gov)

Cc:

Catanach, David, EMNRD; Jones, William V, EMNRD; McMillan, Michael, EMNRD; Lowe,

Leonard, EMNRD

Subject:

Pending Application for the McCasland SWD No. 1

RE: McCasland SWD No. 1 (Application No. pMAM1535147084; API 30-025-Pending) 877' FSL & 2412' FEL, Sec 6, T21S, R37E, NMPM

Mr. Stone and Mr. Swartz:

Gentlemen, first, let's resolve the issue of the well design. Mr. Stone, your statement that the well design need not be finalized for the application and can be changed during the APD process is appropriate as to minor changes. Since I do not have any knowledge as to the agreed changes that the BLM has stipulated, I do not know if the proposed changes provide a significant change in the design as submitted in the original application. Additionally, the permitting process does dictate a well completion diagram be included in the application that is the best and most accurate representation based on the available information. This information now includes new specifications for resolution of a formal protest of the application by the BLM and becomes a document of record showing the resolution of the protest without going to hearing (emphasis added). Therefore, I am requesting that the applicant provide a new well completion diagram (and updated portions of the original C-108 application which are also impacted) that includes the changes requested by the BLM that addresses their concerns. A copy should be provided to the BLM for their consideration.

Second, the economic evaluation of the injection interval as stipulated for the resolution of the protest. Mr. Swartz, BLM has requested the operator (applicant) to submit an evaluation of existing logs to include the mud log and to perform production tests to verify that the disposal formation cannot produce hydrocarbons in paying quantities. I'll need some clarification of the two statements.

- 1. Other than the mud log, what minimum log suite would the BLM wish to have included in the Order?
- Is there any specific production test required? Remember, OCD considers hydrocarbon potential (payable quantities) based on both vertical completion and comparative assessment for a horizontal completion. I am also assuming that this evaluation would be a written report by a qualified person, not just a Sundry Notice with logs and a DST attached.
- 3. Who at the BLM will be the individual (contact) for confirming that the these items have been satisfied? If you could please provide this information as soon as possible, OCD will ensure that these items are included in the order and the applicant knows the minimum requirements for final approval of the injection authority.

Meanwhile, without the specifics as to what was the final resolution of the protest between the two parties, OCD cannot move through the administrative process for approval of this application. If the parties believe that a proper resolution has not been obtained or find that the requested items too onerous, then I would suggest that application for hearing be completed as soon as possible in order to be on the next docket. Please contact me with any questions regarding the content of this e-mail or the information requested. Thank you for your time and effort in completing this matter. PRG

Phillip R. Goetze, PG

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

Direct: 505.476.3466

From:

Ben Stone

ben@sosconsulting.us>

Sent:

Tuesday, January 26, 2016 9:35 AM

To:

Goetze, Phillip, EMNRD; Jones, William V, EMNRD

Subject:

Mescalero McCasland No.1 C-108...

Gentlemen:

Can one of you tell me if a permit can be issued with the recommended condition that BLM and I agreed to? Paul Swartz had sent you guys an email and he and I have since talked on the phone about it.

Essentially, the condition would provide that prior to commencing *anything*, the APD would have to have an approved well design including all casing, etc. Also, the formation would be tested for hydrocarbons during drilling and completion.

My point to Paul was that the C-108 should address injection intervals, formation, compatible waters, AOR wells and other items specifically addressing the suitability of injection operations. As the proposed well is undrilled AND, has not yet had an APD submitted, his concerns of getting casing specs just right for BLM should not be a show-stopping issue for the C-108. Those details will be addressed and approvable by BLM during the C-101 APD process.

Please let me know your position and if I need to do anything else to move this application forward.

Thanks for your attention to this matter.

Ben



Ph. 903.488.9850 Fax 866.400.7628

P.O. Box 300 - Como, TX 75431

Visit us on the web at sosconsulting.us

CONFIDENTIALITY NOTICE: This message is confidential and may be privileged. If you believe that this email has been sent to you in error, please reply to the sender that you wrongly received the message; then please delete this email. Thank You.

From:

Goetze, Phillip, EMNRD

Sent:

Wednesday, January 13, 2016 4:40 PM

To:

Ben Stone (ben@sosconsulting.us)

Cc:

Stephen Caffey (scaffey@blm.gov); Jones, William V, EMNRD; Lowe, Leonard, EMNRD;

McMillan, Michael, EMNRD; Zelenka, Thomas J (tzelenka@blm.gov)

Subject:

Protest of Application to Inject - McCasland SWD No. 1

RE: McCasland SWD No. 1 (Application No. pMAM1535147084; API 30-025-Pending) 877' FSL & 2412' FEL, Sec 6, T21S, R37E. NMPM

Mr. Stone:

OCD was notified that the Bureau of Land Management (Carlsbad Field Office) is protesting this application for approval of a salt water disposal well. This party is identified as an affected person for the location. Therefore, you are being notified that if Mescalero Energy, LLC wishes for this application to be considered, it must either go to hearing or may be reviewed administratively if the protest is withdrawn as a result of a negotiated resolution with this party. The application will be retained by OCD, but suspended from further administrative review. Please contact OCD once you have made a decision regarding the application within the next 30 days. If the protest remains after 30 days, OCD will initiate the process for the application to be reviewed at hearing. Please call/e-mail me with any questions regarding this matter. Thank you. PRG

Contact Information:

Steve Caffey
Assistant Field Manager – Lands and Minerals
BLM - Carlsbad Field Office
620 E. Greene Street
Carlsbad, NM 88220-6292

Phone: 575.234.5972

E-mail: Stephen Caffey <scaffey@blm.gov>

Phillip R. Goetze, PG

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

Direct: 505.476.3466

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UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Carlsbad Field Office 1 620 E. Greene St. Carlsbad, NM 88220-6292 Tel. (575) 234-5972 Fax (575) 885-9264

IN REPLY REFER TO: Conversion to SWD 43CFR3162.3-2(a) 2016 JAN II D 3: I-

Mr. Phillip Goetze, P.G. Oil Conservation Division 1220 South St. Francis Drive Santa Fe, NM 87505

Re: SWD Application from Mescalero Energy, LLC Name: McCasland SWD No. 1 – Sec 6, T21S-R37E, 877'FSL & 2412'FEL Lea County New Mexico.

Gentlemen:

The Bureau of Land Management, Carlsbad Field Office, is objecting to the drilling of the referenced well to a salt water disposal well.

Leasable and Locatable Minerals are defined by the Mineral Leasing Act of 1920 and the General Mining Law of 1872 and any adverse effect to the beneficial recovery of federal mineral resources is to be evaluated.

The proposed injection formation has not been proven to be void of resources and has probable adverse effect to the beneficial recovery of other federal mineral resources.

In order to protect other natural resources, the environmental quality, protect life and property, and promote maximum ultimate recovery of minerals this objection is tendered.

Removal of this objection may be achieved by assuring that all operations will be conducted in a manner acceptable to the designated authorized officer of this office.

If clarification is needed, please contact the signatory at 575-234-5925.

Sincerely,

Steve Caffey

Assistant Field Manager-Lands & Minerals

Bureau of Land Management

Carlsbad Field Office

cc: Mr. Tom Zelenka PetroleumEngineer. New Mexico State Office 301 Dinosaur Trail

Santa Fe, NM 87508-1560