1,30,12 WVJ 1,30.12 TYPE SWD 1203057003

#### NEW MEXICO OIL CONSERVATION DIVISION

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



ABOVE THIS LINE FOR DIVISION USE ONLY

Bran SWD#1

	A B 3 2 3 3 3 3	Thatile application of		
	ADMINIS	STRATIVE APPLICATION CH	1ECKLIST 30-019	5-25697
		MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS WHICH REQUIRE PROCESSING AT THE DIV		S AND REGULATIONS
Appli	[DHC-Dov	s: Indard Location] [NSP-Non-Standard Prorat Indard Location] [NSP-Non-Standard Prorat Indicate Commingling] [CTB-Lease Commin Indicate Commingling] [OLS - Off-Lease Storag INFX-Waterflood Expansion] [PMX-Press INFX-Salt Water Disposal] [IPI-Injectalion] INFX-Balt Water Disposal] [IPI-Injectalion]	ngling] [PLC-Pool/Lease Cor pe] [OLM-Off-Lease Measure sure Maintenance Expansion] ction Pressure Increase]	mmingling] ement] 
[1]	TYPE OF A	PPLICATION - Check Those Which Apply Location - Spacing Unit - Simultaneous De  □ NSL □ NSP □ SD	for [A] edication P-//	-245-31E
	Chec [B]	k One Only for [B] or [C]  Commingling - Storage - Measurement  □ DHC □ CTB □ PLC □ PC	□ OLS □ OLM	Eddy
	[C]	Injection - Disposal - Pressure Increase - E  ☐ WFX ☐ PMX X SWD ☐ IPI	nhanced Oil Recovery  ☐ EOR ☐ PPR	SWD-649 Last Protested
	[D]	Other: Specify		Dro Tested
[2]	NOTIFICAT [A]	TION REQUIRED TO: - Check Those Whice  Working, Royalty or Overriding Royal	ty interest owners	
	[B]	X Offset Operators, Leaseholders or Surfa	ace Owner	OH. 4874-67
	[C]	X Application is One Which Requires Pu	blished Legal Notice	011874-6
	[D]	X Notification and/or Concurrent Approv U.S. Bureau of Land Management - Commissioner of Publ	at by DLIVI of SLO	70
	[E]	☐ For all of the above, Proof of Notification	on or Publication is Attached,	and/or, Tol 1866
	[F]	☐ Waivers are Attached		10H
[3]		CCURATE AND COMPLETE INFORMATATION INDICATED ABOVE.	FION REQUIRED TO PRO	CESS THE TYPE () Packe USI
	val is <b>accurate</b> a	ATION: I hereby certify that the information sand <b>complete</b> to the best of my knowledge. I equired information and notifications are subn	also understand that no action	for administrative
	Note: Statemen	t must be completed by an individual with manageria	I and/or supervisory capacity.	
Kay	Havenor	KAY HAVENOR	Agent	1/23/2012
Print	or Type Name	Signature	Title	Date
			KHavenor@georesources.c	com
			e-mail Address	



Office: 575-626-4518

e-mail: KHavenor@GeoResources.com

904 Moore Ave

Roswell, New Mexico 88201-1144

2012 JAN 30 A 11: 31

January 26, 2012

New Mexico OCD **Engineering Bureau** 1220 So. St. Francis Drive Santa Fe, NM 87505

> Re: C-108 Bran SWD #1 SWD-649-A Sec 11, T24S-R31E, Eddy Co., NM

API 30-015-25691

The enclosed C-108 for Mesquite SWD, Inc. is application for reinstating/extending the commencement date. Please note all Legal publication has been made and parties have been officially re-notified and supplied a copy of the attached C-108.

This well has been physically re-entered and completed. The MIT test was run and passed January 24, 2011.

Your assistance with this renewal is appreciated.

Should you have questions or concerns regarding this application please contact the undersigned by telephone at the above number, or by e-mail to KHavenor@georesources.com.

Respectfully submitted,

KAY HAVENOR

Kay Havenor, PG

Agent on behalf of Mesquite SWD, Inc.

Encl: C-108 application

Miss		Row C-108	C-108 disposal application submittals CHECKLIST to ensure all items are supplied or considered.
	20	≦	What max surf inj. psi are you proposing?974 If differing from 0.2 psi/ft surf. Grad., is supporting data attached such as a Step Rate Test?
	21		
	22	<b>\</b>	Depth to bottom of Fresh Waters: less than 85' if present Formation Name(s)? Quaternary alluvium
	23	×	Any Fresh Water Wells Within 1 Mile?NoIf 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	≚	Included "Affirmative Statement" concerning any Connection from Disposal Depths to existing Fresh Waters? Yes Item XII
	26		WASTE WATERS:
	27	X	Will this be a Lease Only disposal well? or only used for the Operator's own waste needs? or Commercial Disposal? Yes
	28	<b>≦</b>	Which formations will supply the waste waters to be disposed into this well List most common? Delaware Brushy Canyon - Bone Springs
	29	≦	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:
	<u>ω</u>		Is a discussion included of the potential for future OIL/GAS recovery from the proposed disposal interval? Yes
	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?  Rate-Time plot of this depleted interval?
	33	≦	Insitu water analysis Included? Yes Is the salinity within the disposal interval more than 10,000 mg/l of TDS? Yes or how will you determine this insitu water salinity?
	34	<b>≦</b>	Does the application include a list of Formation tops down to and including the bottom of the target formation? Yes, on P&A diagram
	35		What is the top _main salt920'and bottom4,268'of the Salado Salt (If this well is in the Southeast and the Salt is present)
	36	×	Are all existing Logs (including any CBL over the disposal interval) are on the OCD Web Site? Yes If logs not there, please send
	37	IIIA.	Are the wellbore diagrams for this well included in the ApplicationBefore Conversion? Yes and After Conversion? Yes

					Miss
60	59	58	57	56	Row
		≤		≦	C-108
Any other Issues?	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.	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"?	Administrative or Hearing:	Is there any Karst or Massive Limestone in this target formation? Noor in the formations directly above or below? No	Miss Row C-108 C-108 disposal application submittals CHECKLIST to ensure all items are supplied or considered.

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

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

FORM C-108 Revised June 10, 2003

#### APPLICATION FOR AUTHORIZATION TO INJECT

	MI BIONITON TO MINOR DI
I.	PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Storage Application qualifies for administrative approval? Yes No
II.	OPERATOR: Mesquite SWD, Inc.
	ADDRESS: P.O. Box 1479, Carlsbad, NM 88221
	CONTACT PARTY: Kay Havenor PHONE: 575-622-0283
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? YesXNo  If yes, give the Division order number authorizing the project:
V. drawn	Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle around each proposed injection well. This circle identifies the well's area of review.
	Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic plugged well illustrating all plugging detail.
VII.	Attach data on the proposed operation, including:
	<ol> <li>Proposed average and maximum daily rate and volume of fluids to be injected;</li> <li>Whether the system is open or closed;</li> <li>Proposed average and maximum injection pressure;</li> <li>Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,</li> <li>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.).</li> </ol>
Give t solids	Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. he geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately lying 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).
	Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any on or disposal well showing location of wells and dates samples were taken.
and fi	Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data nd no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of ng water.
XIII.	Applicants must complete the "Proof of Notice" section on the reverse side of this form.
XIV. and be	Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge elief.
	NAME: Kay Havenor TITLE: Agent
	SIGNATURE: Kay Havenor DATE: 1/23/2012  E-MAII ADDRESS: KHavenor@georesources.com 575-626-4518
	E-WAIL ADDRESS. Relavellon/wgeoresources.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:

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

#### 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:

- (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.

# INITION WELL DATA SHEET

side I	INJECTION WELL DATA SHEET	
OPERATOR: Mesquite SWD, Inc.		OGRID: 161968
WELL NAME & NUMBER: Bran SWD No.1		
WELL LOCATION: 660' FSL & 660' FEL FOOTAGE LOCATION	P 11 UNIT LETTER SECTION	TOWNSHIP RANGE
WELLBORE SCHEMATIC		WELL CONSTRUCTION DATA Surface Casing
	Hole Size: 12-1/4"	Casing Size: 8-5/8" 24# J-55
	Cemented with: 250	sx. orft³
See attached well diagram	Top of Cement: <u>Surface</u>	Method Determined: Circulated
	<b>□</b>	Intermediate Casing
	Hole Size: 77/8"	Casing Size:7" FL-4S 23# J-55
	Cemented with: 900	sx. or ft³
	Top of Cement: Surface	Method Determined:circ 128 sx
		Production Casing
	Hole Size:77/8"	Casing Size: 51/2 FL-4S 17# J-55
	Cemented with: 800	sx. or ft³
	Top of Cement: Surface	Method Determined: <u>circ 170 sx</u>
	Total Depth: 6913' PBTD 6,740"	

Injection Interval 4,874 feet to 6,740 feet Open Hole

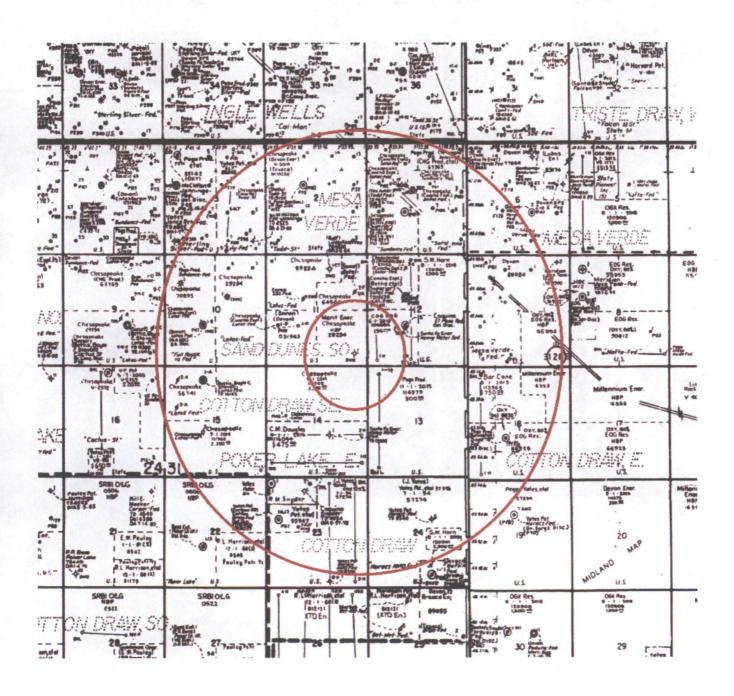
### Side 2

# INJECTION WELL DATA SHEET

Tub	Tubing Size: 3-1/2" PH6 IPC L-80 12.95# L-80 Lining Material: Fiberglass
Тур	Type of Packer: Nickel Arrowset AX-1
Pac	Packer Setting Depth: 4825 ft
Oth	Other Type of Tubing/Casing Seal (if applicable):
	Additional Data
:	Is this a new well drilled for injection? Yes X No
	If no, for what purpose was the well originally drilled? <u>Oil/gas</u>
2.	Name of the Injection Formation:Delaware Mtn Group: Lower Bell Canyon and Cherry Canyon
$\dot{\omega}$	Name of Field or Pool (if applicable): NA (Not 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. No
5.	Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: No Bell Canyon or Cherry Canyon (Delaware) productive in AOR.
	Lower Brushy Canyon - upper Bone Spring productive in the area below 7000'.

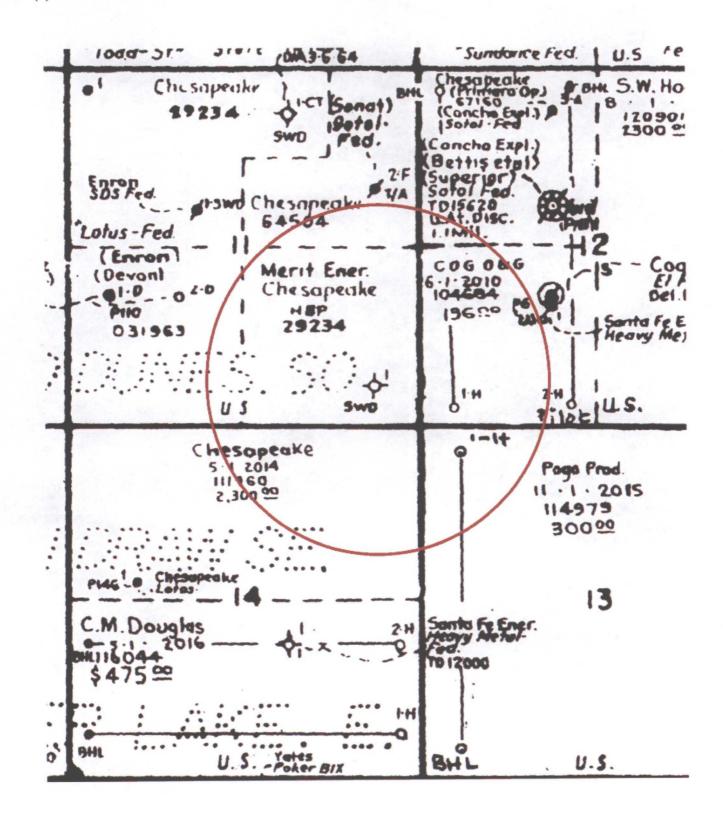
Item V:

Area of Review ½ Mile AOR and 2 Mile Radius



#### Enlarged Veiw of AOR Centered in Unit P Sec. 11-T24S-R31E Eddy Co., NM

Item V(a):



660' FSL & 660' FEL Sec. 11, T24S-R31E Mesquite SWD, Inc. Eddy County, NM Bran SWD No. 1

Item VI: Data on wells in AOR.

	SPUD_DATE	26-Dec-86		14-Jan-11		
	PLUG_DATE   SPUD_DATE	19-Jan-87				
	WELL	S	0	0	0	
	ONVO	<b>u</b> .	<u></u>	ш.	ш.	
	OPERATOR	MESQUITE SWD, INC	COG OPERATING LLC	COG OPERATING LLC	COG PRODUCTION, LLC	
	000	۵.	≊	Z	۵	
	EW	999 E	530 W	2260 W	480 W	
	9 <u>1</u> 4	99	33	226	₩	
	SN	S	S	ဟ	<b>=</b>	
	FTG	S 099	330 \$	330 S	330	
	RANGE	31E	31E	31E	31E	
	TWNSP	245	245	245	24S	
\	)XEC	Π	12	12	13	
	STATUS   SI	/ ams	X	Z.	M	
	S	SS	E	Ž		)
•	WELL NAME	001525697 BRAN SWD 001	3001537605 SEABISCUIT FEDERAL COM 001H New X	3001537607 SEABISCUIT FEDERAL COM 002H New	001539191 CANVASBACK 13 FEDERAL 001H (New	
	API	3001525697	-3001537605	3001537607	3001539191	

9154

tem VI(a): Construction of wells in the AOR:

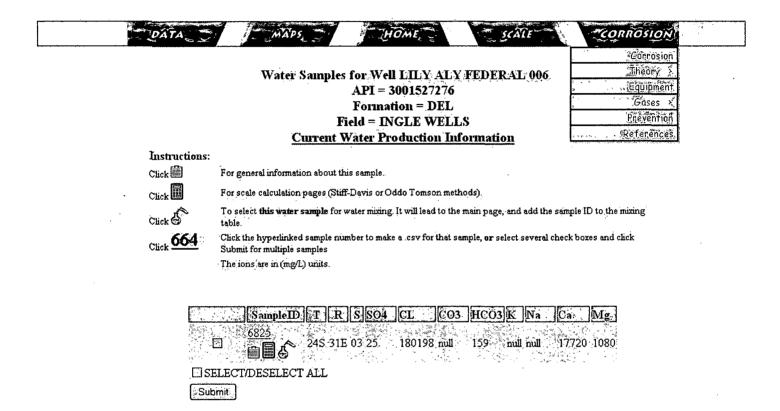
sx cmt, circ to surface. 51/2" 17# J-55 FL-S4 @4,874" w/800 sx cmt, circ to surface. 31/2" Fiberglass lined PH6 L-80 12.95# w/Nickel Arrowset AX-1. 30-015-25697 Mesquite SWD, Inc., Bran SWD #1 Sec. P-11-T24S-R31E Orig spudded 12/26/1986, 8-5/8" (a) 410' w/250 sxs circulated.. TD 6794. P&A 1/9/1987. SWD-649-A Re-entered 10/21/2011. CO to TD 6,913'. Set 100 sx cmt PBTD,6,740'. 7" J-55 FL-S4 26# @ 4,297' w/900 1 pkr @4,825'. Completed OH 4,874' - 6,740' no treatment 11/4/2011.

1 2. 30-015-37607 COG Production, LLC, Seabisquit Federal Com #1, M-12-R24S-R31E Spudded 4/26/2010, 8-5/8" @ 853' w/750 sxs circulated. 7" to 9206' and 4306' of 5-1/2" to 13584' w/MD 13550' w/450 sxs circ from DVT @ 8425' and 800 sxs below. TOC temp survey @1000' TVD approx 8400'. Well completed as producer, but no perf/treatment data has been filed as of this date.

## Item VII:

- The maximum injected volume anticipated is 8,000 BWPD. Average anticipated is 6,500 BWPD.
- Injection will be through a closed system
- Maximum injection pressure is expected to be 974 PSI.
- Sources will be only produced water.
- Water sample analysis Delaware Brushy Canyon 30-015-27276 Sec. 3, T24S-R31E, Eddy Co. See figure from WAIDS data base below.

### NM WAIDS



#### Item VIII:

The surface of the area included in the 2-mile radius, as shown in Item V above, is Quaternary alluvium and Recent blow-sand deposited on Cretaceous/Triassic Dewey Lake redbeds to approximately 153'. No shallow samples have been found in the greater area to clearly define shallow tops. E-logs indicate the top of the Rustler Formation in the re-entry well is at 430'. The Rustler Formation extends down to 772' at the top of the Salado. The top of the salt is at 3010. Base of the salt is at 4268'. The lowermost heavy-bedded anhydrite beneath the salt is 226' thick. It is essentially non-porous, non-permeable and rests unconformably on the Delaware Mountain Group's Lamar Limestone at 4494'. The Delaware Mountain Group is comprised of three major sand-shale members: Bell Canyon, Cherry Canyon, and Brushy Canyon. In the subject re-entry well the top of the Bell Canyon is at 4,590' and is 1,264' thick. The top of the partially penetrated Cherry Canyon is at 5,854'. TD is 6,794'.

Virtually no groundwater data is available within the 2-mile radius study area. Texaco drilled a water supply well in 1995 in SE/NW4 Sec. 12, T24S-R31E, but all that is available is the water was to be used for drilling. No water wells are reported within a 2.5 mile radius by the USGS database. Within the 2-mile radius only one

Mesquite SWD, Inc. Jack Tank SWD No. 3 660' FSL & 660' FEL Bran SWD No. 1 Eddy County, NM

water well is reported in the New Mexico Office of the State Engineer's Waters database. That one well is located in SW/4 Sec. 2, T24S-R31E and is 2,280 km (1.4 mi) NNW of the subject re-entry. The well, C-2460, data shown below suggests it is a commercial well for drilling/oil field water supply.



## New Mexico Office of the State Engineer Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

POD Number C 02460

Q64 Q16 Q4 Sec Tws Rng

X Y

3 02 24\$ 31E

617496 3568022\*

**Driller License: GLENN'S WATER WELL SERVICE** 

Driller Name: CORKY, GLENN

Source:

Shallow

**Drill Start Date: 08/25/1995** 

Drill Finish Date: 08/25/1995

Log File Date:

09/07/1995

320 feet

PCW Received Date:

Pump Type:

3/01/1333

Pipe Discharge Size:

Casing Size:

Depth Well:

Estimated Yield:

Depth Water:

212 feet

Water Bearing Stratifications:

Top Bottom Description

260

280 Shallow Alluvium/Basin Fill

In the original permit SWD-649-0 issued 12/10/1996 a water analysis was submitted for "Drinking water" reported taken from Sonat Exploration Todd "2" State Water Well No. 1. It is presumed the well was located in Sec. 2, T24S-R31E although the specific location was not reported in the SWD application. The analyses are shown below. This data is resubmitted from the SWD-649-0 application and is shown below.

#### Item VIII con't:

Todd "2" State Water Well No. 1

P O BOX 1468 MONAHANS, TEXAS 79756 PH 943-3234 OR 563-1040

INC. 709 W INDIANA MIOLAND, TEXAS /9701 \_ PHONE 683 452:

	RESULT OF WATER	r analyses		PHONE BOS 402
		LABORATORY NO	59616	7
ro: Mr. Selden Jone		SAMPLE RECEIVED	5-17-	96
110 W. Louisiana, Ste 500	Midland, TX 79701	RESULTS REPORTED	5-23-	96
COMPANY Sonat Explorati				
FIELD OR POOL				
SECTION BLOCK SURVEY	COUNTY	Eddy STAT	ENM	
SOURCE OF SAMPLE AND DATE TAKE				
NO.1 Drinking water - t	aken from Todd fres	h water well	FIL FILE	
NO 2 Maximum contents f				ent. of Healt
NO. 3		· · · · · · · · · · · · · · · · · · ·		
NO.4				
NO.4				
REMARKS;	CHEMICAL AND PHYSI	AN DEADERTIES	-	
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F	1,0020			
pH When Sampled	***************************************	<del>                                      </del>	<del></del>	
pH When Received	6.57			
Bicarbonate as HCO <sub>a</sub>	239		·	
Supersaturation as CaCO <sub>3</sub>	***	3. 17. 19	1111	
Undersaturation as CaCO,	<del></del>	<del> </del>	<del></del>	
Fotal Hardness as CaCO.	334	<del></del>	· · · · · · · · · · · · · · · · · · ·	
Calcium as Ca	69	<del>-  </del> -		
Magnesium as Mg	39		<del></del>	h
Sodium andro Polassium	110	1		
Suifale as SO.	288	300	·	
Chloride 45 Ci	55	300	<del> </del>	
kon as Fe	0.52	0.3		<del> </del>
Bailum as Ba	V.J.	<del></del>	<del></del>	
Turbidity, Electric	<del>-</del>			<del> </del>
Color as Pr		<del></del>		·
Total Solids, Calculated	801	1,000		
Tempsiature "F.		T,000		
Carbon Doxide, Calculated				<del>:</del>
Dissolved Oxyger,	-	_		
Protogen Suride				1
Peristrally, unmain at 27° F.	9.73			<del> </del>
Suspended Ois	7.13			
Filtrable Solids 45 mg/l			<del></del> - · · · -	<del> </del>
Volume Filtered, mi		<del></del>		<del> </del>
Nitrate, as N	0.2	10.0	·	·
MILLIAGE, AS II	U+ c		<u> </u>	<del>+</del>
				i
	Results Reported As Mi	illigrams Per Liter		
Additional Determinations And Remarks 839			berein, we f	ind this
water exceeds State recom				
iron only. It should be				
corrosion and may not nec				
this single analysis.	.23341117 00 0011020	entry above the	Stanuara v.	Elle Duores Cr
CHILD GIRE GREET, SAN.			N	
			- <del>// -</del>	
	· · · · · · · · · · · · · · · · · · ·			

Form Ne 3

#### Item IX:

The well is completed and no treatment to open hole was applied.

#### Item X:

Logs are on file with the OCD.

#### Item XI:

No fresh water wells have been found within the 1-mile radius of the project well. See Item VIII above.

#### Item XII:

There is no geological evidence of open faults nor hydrologic connection between the disposal zone and any possible underground sources of potable water.

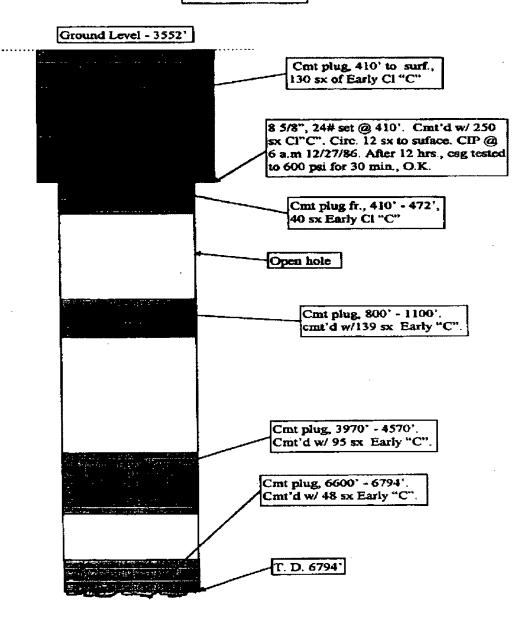
Delaware sand production potentials in the injection interval has been evaluated in this well and wells surrounding the greater AOR. No commercially potential zones have been encounter.

Plugging diagram of original well as presented in SWD-649-0 issued 12/10/1996. This data compares to the well file data and plugging reports.

#### Present

BRAN-BETTIS FEDERAL #1
OPERATOR - BRAN OIL CORPORTATION
660' FSL & 660' FEL, Section 11
T24S - R31E, NMPH
Eddy County, New Mexico

Spud - 12/26/86 P&A'D 1/9/87



#### Current completion:

Top of Lamar Lime is at 4492'.

#### **Bran SWD #1 Completion Diagram**

API:

3001525697

Operator: Mesquite SWD, Inc.

Lease:

Bran SWD

Location: Sec 11, T24S-R31E Eddy Co., NM

Footage: 660 FSL, 660 FEL

Well No:

KB: 3626

GL: 3606

#### Surface Csg

Size: 8-5/8" 24# Set @: 410 Sxs cmt: 250 orig + 150 Circ: 45 sx TOC: Surface Hole Size: 12-1/4"

#### Intermediate Csg Proposed

Size:

7" 26# J-55 FL-4S

Set @:

4297

Sxs cmt:

900

Circ:

128 sx

TOC:

Surface

Hole Size:

7-7/8°

#### **Production Csg Proposed**

Size:

5-1/2" 17# J-55 FL-S4

Set @:

4850"

Sxs cmt:

800

Circ:

170 sx

TOC:

Surface

Hole Size:

7-7/8"

Note: Original OH drilled w/ 7-7/8" bit

4825' 3-1/2" PH6 12.95# L-80 Fiberglass coated

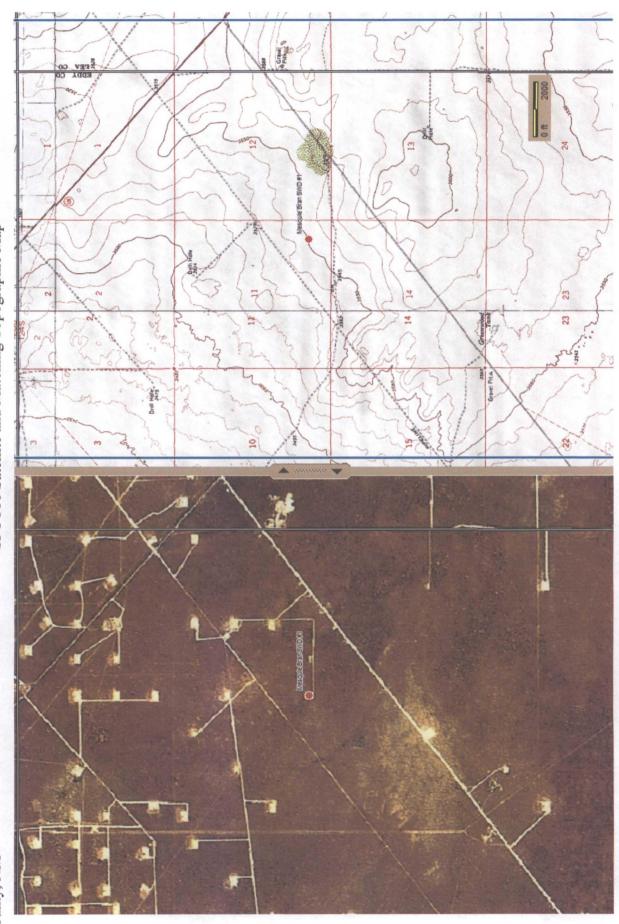
Nickel ArrowSet AX-1 pkr @4825

Loaded tubing annulus w/corrosion inhibitor Completed surface head for disposal

4297 Packer 4825 4874 DO TD 6913' PB w/30 sx **Not to Scale** Tagged plug @6740

660' FSL & 660' FEL Sec. 11, T24S-R31E Mesquite SWD, Inc. Eddy County, NM Bran SWD No. 1





Delorme Xmap6

#### Item XIII:

**Notification List** 

#### **Surface Owner:**

Bureau of Land Management c/o Carlsbad Field Office 620 E. Greene Street Carlsbad, NM 88220

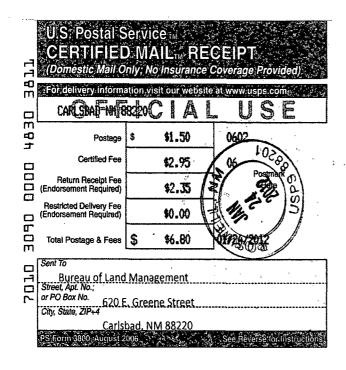
#### **Operators:**

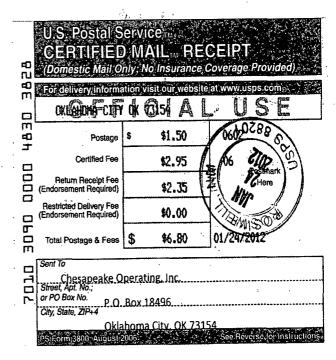
Chesapeake Operating, Inc. Attn: Justin Zerkle P.O. Box 18496 Oklahoma City, OK 73154

Devon Energy Operating Corp. 20 N. Broadway Oklahoma City, OK 73102

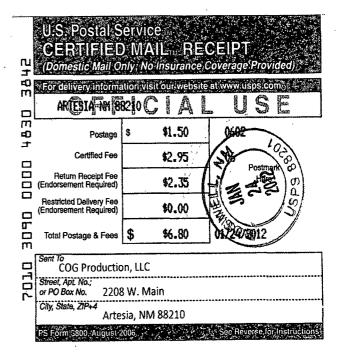
COG Production, LLC 2208 W. Main Artesia, NM 88210

#### **Receipts of Certified Mail**









Legal Notice (Also see clarified copy on next page)

Affidavit of Publication					
NO. 21991					
STATE OF NEW MEXICO					
County of Eddy:					
Danny Scott Janny Scal					
being duly sworn, says ther he is the Publisher					
of the Artesia Daily Press, a daily newspaper of general					
circulation, published in English at Artesia, said county					
and state, and that the hereto attached					
Legal Notice					
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					
1 Consecutive weeks/days on the same					
day as follows:					
First Publication January 24, 2012					
Second Publication					
Third Publication					
Fourth Publication					
Fifth Publication					
Subscribed and sworn to before me this					
24th day of January 2012					
OFFICIAL SEAL Lette A Romine NOTARY PUBLIC-STATE OF NEW MEDICO My commission expires: 5/12/2015					

Latisha Romine

Notary Public, Eddy County, New Mexico

#### **Copy of Publication:**

Alegorate, SWD, Inc., clo Key Herwiter, 404 Moore Ave, Redwidt, RM 88201-1144 (575):520-4519, is easking an administrative renewal-assamples care the New Mexico Oil Comming Mathital Inc. (580):545. For the Mesquite 860, inc. Bran SWD # wat AP Statement Statement of the Statement of the spath; line and 880 feet from the east line of Backing 15:545. Ref. (580): Eddy Generity, RM, 35 miles west of Jal, NM completed Novikhillant 4, 2011 for commercial produced water disposal.

The disposal interval is the lower Ball Carryon and the Charry Carryon Formations of the Delaware Mountain Group through open-hole from 4,874 feet to 8,740 ft.

Wesquise SVID, Inc. plans to dispose of a maximum of 8,000 SWPD with a maximum

Interdition parties must like describes or requests for heating within 15 days of publication to the Oil Conservation Division: 1220 S. St. Francis Dr., Sayas Fp. Nell 87505 Ptiblished in the Artesia Bully Press, Artesia, Saha 28r. 287832 East 187832 St. Sayas 187832 St. Sayas 187832

#### **Legal Notice**

#### LEGAL NOTICE

Mesquite SWD, Inc., c/o Kay Havenor, 904 Moore Ave, Roswell, NM 88201-1144, (575) 626-4518, is seeking an administrative renewal/extension from the New Mexico Oil Conservation Division for SWD-649-A for the Mesquite SWD, Inc. Bran SWD #1 well API: 30-015-25697, located 660 feet from the south line and 660 feet from the east line of Section 11, T24S, R31E, Eddy County, NM, 35 miles west of Jal, NM, completed November 4, 2011 for commercial produced water disposal.

The disposal interval is the lower Bell Canyon and the Cherry Canyon Formations of the Delaware Mountain Group through open-hole from 4,874 feet to 6,740 ft.

Mesquite SWD, Inc. plans to dispose of a maximum of 8,000 BWPD with a maximum pressure of 974 psi.

Parties with questions regarding this proposal can contact Kay Havenor at the address or phone number above.

Interested parties must file objections or requests for hearing within 15 days of publication to the Oil Conservation Division: 1220 S. St. Francis Dr., Santa Fe, NM 87505.

Published in the Artesia Daily Press, Artesia, N.M., Jan. 24, 2012. Legal No 21991.

# Jones, William V., EMNRD

Kay Havenor [khavenor@georesources.com] Friday, February 03, 2012 3:37 PM

Sent:

From

Subject: Re: Disposal application from Mesquite SWD, Inc.: Bran SWD #1 30-015-25697 Jones, William V., EMNRD

Will,

Thank you. Will work on the name change.

At 02:45 PM 2/3/2012, you wrote:

Hello Dr. Havenor,

We still show the operator of record for this well as Sonat Exploration Company who probably was the last operator prior to it being plugged.

I know Mesquite SWD, Inc. has done the re-entry work and this is a Federal Well – so it must have been corrected with the BLM's CFO.

Would you work with our Artesia office to get this corrected on the OCD records?

I am readying the permit for release Febr 15, 2012

Regards

William V Jones, P.E.

Tel 505.476.3448 ~ Fax 505.476.3462 Engineering, Oil Conservation Division 1220 South St. Francis Drive, Santa Fe, NM 87505



904 Moore Ave GeoScience Technologies Kay C. Havenor, Ph.D., PG. CPG

# Jones, William V., EMNRD

From: Sent:

Phillips, Dorothy, EMNRD Thursday, February 16, 2012 10:36 AM

Jones, William V., EMNRD

. !

Subject: RE: Disposal Applications Pending Rule 5.9 Issues for Mesquite SWD, Inc.

Will, I have the letter of credit for the Hobbs State No. 3 and I am approving it today. They are now okay on financial assurance and Rule 5.9

From: Jones, William V., EMNRD

Sent: Monday, February 13, 2012 6:37 PM

To: Kay Havenor

Cc: Gonzales, Elidio L, EMNRD; Kautz, Paul, EMNRD; Shapard, Craig, EMNRD; Dade, Randy, EMNRD; Phillips, Dorothy, EMNRD; Sanchez, Daniel J., EMNRD

Subject: Disposal Applications Pending Rule 5.9 Issues for Mesquite SWD, Inc.

Hello Kay,

For your client Mesquite SWD, Inc.:

According to the OCD web site, the Hobbs State #3 well requires a single well bond to be posted

You can check with the Hobbs district office to ensure this requirement is correct and, if so, post the bond with Dorothy Philips of this office – who handles the

Assurance issues. We have two pending SWD permits waiting to release (Government AB #4 and Bran SWD #1), but are not allowed to release them if the applicant has Financial

I will not know if or when this is fixed unless you let me know

Regards,

Will Jones

Oil Conservation Division New Mexico

Images Contacts

			F	ederal				
Injection Permit Checklist (11/15/2010)  WFXPMXSWD_649-10 Permit Date 2/15/12 UIC Qtr								
API Num: 30-0 15-25697 Spu	(UIC primacy Marc	h 7, 1982)						
Footages 666FSL/660FEL Unit PSec/ Tsp245 Rge 3/E County EDDY								
General Location: 35 Mi Waster	TAL EVENIENTS	(7 m	rasilvan y	& WIPP)				
Operator: Maspirta SuD	C	Contact						
OGRID: 18 / 9/68 RULE 5.9 Compliance (W	ells)	(Finan As	sur) IS 5.9 Ok	<u>.</u>				
Well File Reviewed Current Status:	Up 4 Si	<u> </u>	-(OLD Perm	WEXPIRED				
Planned Work to Well:								
<u>Diagrams: Before Conversion</u> After Conversion_ <b>Sizes</b>	Elogs in Imaging File: Setting	Stage	Cement	Determination				
Well Details: HolePipe,  New _Existing Surface /2/14 85/8	Depths //SCO	Tool	Sx or Cf	Method CIRC				
New_Existing_Interm	448/40°		710 +230	CIRC				
New_Existing _ LongSt 5/2	1 48-74		760+200	CSPC				
New_Existing _ Liner	/3		0 0					
New_Existing OpenHole 7/81	450							
Depths/Formations: Depths, Ft.	Formation	Tops?						
Formation(s) Above	0-el	~						
Injection TOP: 4874	Bell .	Max. PSI	775 OpenHole	Perfs				
Injection BOTTOM: 6740	CAON C.	Tubing Size	Packer Depth	4825				
Formation(s) Below 8421	CHany C.		100.70	χ.				
Capitan Reef? (Potash? Noticed?   WIPP? Noticed?   Salado Top/Bot 10 10 - Cliff House?								
,				7				
Fresh Water: Depths:Formation Wells? Analysis? Affirmative Statement								
Disposal Fluid Analysis? Sources: CFMCCC								
Disposal Interval: Analysis? Production Potential/Testing:								
Notice: Newspaper Date (27) 2 Surface Owner BLM (12) Mineral Owner(s) BLM								
RULE 26.7(A) Affected Persons:	RULE 26.7(A) Affected Persons: Charge Go G Decon							
AOR: Maps? Well List? Producing in Inter	val? N Wellbore Diago	rams?						
Active Wells Repairs? WhichWells	?							
P&A Wells Repairs? Which Wells	?							
Issues:			Request Sent _	Reply:				

Page 1 of 1

1/27/2012/1:47 PM

SWD\_Checklist.xls/ReviewersList