BW - 8

GENERAL CORRESPONDENCE

YEAR(S):

2004 -> 1999

SALTY DOG BRINE, INC. HOBBS, NM

NMOCD DISCHARGE PLAN BW-008 JUNE 2004 District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM

87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of

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

Revised June

10, 2003 Submit Original Plus 1 Copy to Santa Fe 1 Copy to Appropriate District Office

DISCHARGE PLAN APPLICATION FOR BRINE EXTRACTION FACILITES (Refer to the OCD Guidelines for assistance in completing the application)

	(K	erer to the	OCD C	ruideillies	101 2	issistant	e m c	ompietm	g mc app	mean	OII)		
				N	ew	Ren	ewal)					
[.	Facility Name:	Salty	Dog,	Inc.	В	rine	Sta	tion :	BW-008	}			
П.	Operator:	Piter	Berg	stein,	Zi	a Tra	ansp	ortat	ion		·		
	Address:	Box 27	724	Lubbo	ck,	TX	794	08					
	Contact Person:	Terry	Walla	ace	 				Phone	: (5	05)39	93 - 8'	352
Ш.	Location: N	⊙		,					 .				Range
				t large sca		. • .		•	ng exact le	ocati	on.		
IV.	Attach the nam	e and addr	ess of the	ne landow	ner c	of the fac	cility s	ite.					
V.	Attach a descri	ption of th	e types	and quanti	ities	of fluids	at the	facility					
VI.	Attach a descri	ption of all	l fluid tr	ansfer and	d sto	rage and	l fluid	and soli	d disposa	l faci	lities.		
VII.	Attach a descri	ption of ur	ndergrou	ınd faciliti	es (i.	e. brine	extra	ction we	il).				
VIII.	Attach a contin	gency plan	ı for rep	orting and	l clea	ın-up of	spills	or releas	ses.				
X.	Attach geologic impact fresh water		gical ev	idence der	nons	trating 1	hat br	ine extra	ction ope	ratio	ns will	not adv	versely
X.	Attach such oth regulations and/or		ation as	is necessa:	ry to	demons	strate (complian	ice with a	ny ot	her OC	D rule	s,
XI.	CERTIFICATI	ON:											
	I hereby certify us submitted in this immediately responsibility of fine	document onsible for ware that	and all r obtain there ar	attachmer ing the inj e significa	rts a form	nd that, ation, I	basea believ	l on my i e that th	inquiry of e informa	thos tion	e indivi is true,	iduals accur	ate and

Name: Eddie W. Seay Signature: COD seay04@leaco.net E-mail Address:

Blink la		Title:	
Agent	Date:	6-4-04	

- IV. Snyder Ranches Inc. Box 2158 Hobbs, NM 88241
- V. Salty Dog produces and sells both fresh water and brine. The fresh water is contained in two 1000 bl. tanks. The brine is pumped from the brine well into a lined storage pit. The pit, approximately 130' x 130' x 4', stores the brine for truck sales. The pit is equipped with a leak detection system so that a visual inspection can be made daily for any leaks to the brine pit.
- VI. The fluids, both fresh and brine, are transferred from the brine well to the brine storage pit through a 3" poly pipe 3/8" thick, buried at a depth of approximately 18". The poly pipe has a 50 year design life and a 800# burst pressure. The line is inspected almost daily by physically driving along side of line and inspecting it for leaks.
- VII. The brine well is equipped with 8 5/8" production casing and a 5 1/2" liner, and 2 1/2" tubing. Fresh water is pumped down the casing into the salt section and brine is produced out the tubing and transferred to the brine storage pit. The well operates at approximately 275# and can produce approximately 35 bls. per hr. (see attached well bore schematic)
- VIII. Salty Dog, Inc., in association with Zia Transportation, has vacuum trucks and equipment that will be used in case of an accidental spill or release. In the event of a release, Salty Dog will notify the Hobbs OCD and proceed with cleanup as directed or as guidelines require.
- IX. With proper monitoring of the lined pit, lines and testing of well is done, any leak can be detected with a minimum of damage. Salty Dog did have a leak in its brine well, the well was repaired and extraction wells were installed to recover salt water from the formation. To date, Salty Dog has recovered 1,072,800 gallons of water, which it uses in the brine system. (attached are water analysis.)
- X. Salty Dog, Inc., Zia Transportation and Mr. Piter Bergstein are dedicated and will install a monitor well down gradient of the brine pond, and two additional monitor wells at the contaminated site near the brine well, as directed by the OCD.

6/03/2004 09:28:14 **LEA COUNTY ASSESSOR** Year 2004 FAYE 0042066 Dist 160 NonRend% 0 0 Centrl 357441 Full SNYDER RANCHES LTD FinCo 4989 Land 119147 Txbl 33282 Impr 0 Exmpt 0 P.P. BOX 2158 0 M.H. 119147 Net HOBBS NM 88241 **319170 Livstk** \$4035.72 Pos to() Print=Y Property Description Code ValueDesc Quantity Rate Taxable SECTION-26 TOWNSHIP-18S RANGE-35E 200.00 AC BEING W2SE4, E2SW4, NW4NW4 4 000 420 660 004 SECTION-33 TOWNSHIP-18S RANGE-36E 160.00 AC BEING SE4 4 000 420 660 005 SECTION-04 TOWNSHIP-19S RANGE-36E 139.14 AC LOC LOT 2, S2NE4 S2 LOT 1 4 000 420 660 001 SECTION-05 TOWNSHIP-19S RANGE-36E

F4=Prompt() F6=Change Years F12=Return

160.00 AC LOC SE4 More...

F3=Cancel

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Hole at 60'

Hole Size 12 1/4"

CASING:

Size 8 5/8" Weight 24# & 32#

Grade J-55

Set at <u>1877</u> with <u>850</u>

Sacks Cement

Circulate____

200 Sacks to Surface

Hole at 250'

CASING LINER:

Size 5 1/3" Weight 15.50 # Grade 1-55

Set at 1829' with 275

Sacks Cement

Circulate_

10 bbls

Sacks to Surface

TUBING:

Size 27/8"

Weight <u>6.5#</u>

Grade J-55

Number of Joints_

Set at 2534'

Bottom arrangement: Open ended with notched collar

_ Hde Size 6 1/4"





PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR

SALTY DOG

ATTN: TERRY WALLACE

P.O. BOX 513

HOBBS, NM 88241

FAX TO: (505) 393-8353

Receiving Date: 05/25/043

Reporting Date: 05/25/04

Project Number: NOT GIVEN Project Name: NOT GIVEN

Project Location: NOT GIVEN

Analysis Date: 05/25/04

Sampling Date: 05/25/04

Sample Type: GROUNDWATER Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: AH

CI LAB NUMBER SAMPLE ID (mg/L)

H8730-1	MONITOR WELL #1	1320
		:
Quality Control		990
True Value QC		1000
% Recovery		99.0
Relative Percent D	ifference	4.0

METHOD: Standard Methods 4500-Cl⁻B



ANALYTICAL RESULTS FOR

SALTY DOG

ATTN: TERRY WALLACE

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HOBBS, NM 88241

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Receiving Date: 05/25/043

Reporting Date: 05/25/04

Project Number: NOT GIVEN

Project Name: NOT GIVEN
Project Location: NOT GIVEN

Analysis Date: 05/25/04

Sampling Date: 05/25/04

Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: AH

LAB NUMBER SAMPLE ID CIT (mg/L)

H8730-2	MONITOR WELL #2	332
•	WE AND TO VALUE OF THE CONTRACT OF THE CONTRAC	
Quality Control		990
True Value QC		1000
% Recovery		99.0
Relative Percent Di	fference	4.0

METHOD: Standard Methods	4500-Cl ⁻ B

Chemist



ANALYTICAL RESULTS FOR

SALTY DOG

ATTN: TERRY WALLACE

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HOBBS, NM 88241

FAX TO: (505) 393-8353

Receiving Date: 05/25/043

Reporting Date: 05/25/04

Project Number: NOT GIVEN Project Name: NOT GIVEN

Project Location: NOT GIVEN

Analysis Date: 05/25/04

Sampling Date: 05/25/04

Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: AH

CI CI LAB NUMBER SAMPLE ID (mg/L)

H8730-3	MONITOR WELL #3	380
MANUFACTURE TO THE PARTY OF THE		
Quality Control		990
True Value QC		1000
% Recovery		99.0
Relative Percent Dif	ference	4.0

METHOD: Standard Methods 4500-Cl'B

hemist



ANALYTICAL RESULTS FOR

SALTY DOG

ATTN: TERRY WALLACE

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HOBBS, NM 88241

FAX TO: (505) 393-8353

Receiving Date: 05/25/043

Reporting Date: 05/25/04

Project Number: NOT GIVEN Project Name: NOT GIVEN

Project Location: NOT GIVEN

Analysis Date: 05/25/04

Sampling Date: 05/25/04

Sample Type: GROUNDWATER Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: AH

LAB NUMBER SAMPLE ID (mg/L)

H8730-4	REMEDIATION WELL #1	440
Quality Control		990
True Value QC		1000
% Recovery		99.0
Relative Percent [Difference	4.0

METHOD: Standard Methods 4500-CIB

Chemist





ANALYTICAL RESULTS FOR

SALTY DOG

ATTN: TERRY WALLACE

P.O. BOX 513

HOBBS, NM 88241

FAX TO: (505) 393-8353

Receiving Date: 05/25/043

Reporting Date: 05/25/04

Project Number: NOT GIVEN Project Name: NOT GIVEN

Project Location: NOT GIVEN

Analysis Date: 05/25/04

Sampling Date: 05/25/04

Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: AH

LAB NUMBER SAMPLE ID CI (mg/L)

H8730-5	REMEDIATION WELL #2	11097
· · · · · · · · · · · · · · · · · · ·		
Quality Control		990
True Value QC		1000
% Recovery		99.0
Relative Percent [Difference	4.0

METHOD: Standard Methods 4500-Cl⁻B

hemist A





ANALYTICAL RESULTS FOR

SALTY DOG

ATTN: TERRY WALLACE

P.O. BOX 513

HOBBS, NM 88241

FAX TO: (505) 393-8353

Receiving Date: 05/25/043

Reporting Date: 05/25/04

Project Number: NOT GIVEN Project Name: NOT GIVEN

Project Location: NOT GIVEN

Analysis Date: 05/25/04

Sampling Date: 05/25/04

Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: AH

LAB NUMBER SAMPLE ID CI (mg/L)

H8730-6	FRONT WW BY PIT	720
		000
Quality Control		990
True Value QC		1000
% Recovery		99.0
Relative Percent Dif	ference	4.0

METHOD: Standard Methods 4500-Cl'B

Chemist | AU

ARDINAL LABORATORIES, INC. 2111 Beechwood, Abilene, TX 79803 101 East Mariand, Hobbe, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

		l, Abilene, TX 7960 Fax (915 <u>) 673-70</u> 2									•	•						Pege	<u>_~_</u>	
Company Name:	50/ty Dog	142 (010) 010-102	0 100	<u> </u>						BI	LL TO				ANAL	YSIS	REQL	EST		
Project Manager:						P.	0.	:		ane							1		ĺ	
Address: Pd	7. Box 5/3						C	omp	any:										- 1	•
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[†] Cardinal cannot accept verbal changes. Please fax written changes to (915) 673-7020.

Affidavit of Publication

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STATE OF NEW M	EXICO)	
)) {	ss.
COUNTY OF LEA)	
Joyce Clemens bei says that she is Ac DAILY LEADER, a tion published in ti County, New Mexic lished in such coun period in excess of prior to the first put hereinafter shown; duly qualified to pu Chapter 167 of the Mexico.	dvertisting Did daily newsphe English I to; that said raty continuous Twenty-six (blication of the and that said blish legal newspectation of the said blish legal newspectation of the said blish legal newspectation of the said that said blish legal newspectation of the said blish legal newspectation of the said blish legal newspectation.	irector of Thaper of gen anguage an newspaper of sily and uni- (26) consect the notice he id newspap otices withi	HE LOVINGTO neral paid circula t Lovington, Le has been so put interruptedly for cutive weeks ne- ereto attached a per is in all thing in the meaning of
That the notice whi	ich is hereto	attached, e	entitled
Pul	blic Notic	e	
was published in a	a regular an	d entire iss	ue of THE LO
NGTON DAILY LE	ADER and r	not in any s	supplement there
of, for one (1)) day	, beginning	with the issue
June 3	, 200	4 and endi	ng with the issu
of June 3		, 20	04.
And that the cost on \$50.94 Court Costs.	-		is the sum of been (Paid) a

Subscribed and sworn to before me this 3rd day of

Notary Public, Lea County, New Mexico My Commission Expires June 22, 2006

June 2004

Debbie Schilling

PUBLIC NOTICE

Notice is hereby given that pursuant to the New Mexico Oil Conservation Division Regulations, the following application has been submitted for a discharge renewal to the Director of the Oil Conservation Division, P.O. Box 6429, 1220 South Saint Francis Drive, Santa Fe, NM 87505, (505) 476-3440.

The applicant, Salty Dog, Inc., P.O. Box 2724 Lubbock, TX 79408, has applied for a renewal to its existing discharge permit, BW-008. The facility is located approximately 12 miles West of Hobbs on Hwy. 62-180 in the NE1/4 of Section 5, Township 19 S., Range 36 E., Lea Co. NM. The facility produces and sells approximately 800 lbs of brine water per day from an approved brine extraction well. Ground water at this area is found at approximately 60 ft. and has a chloride concentration that ranges from 75 concentration that ranges from 500 milligrams per liter to 1500 milligrams per liter. The facility location is underlain by alluvial sediment and the Ogaliala formation. The permit application addresses all phases of its operation.

Any interested person may obtain information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The application may be viewed at the above address or at the Hobbs District Office at 1625 N. French Drive, Hobbs, NM, between 8:00 am and 4:00 pm, Monday thru Friday. Prior to ruling on any proposed application, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of the notice, during which comments may be submitted and public hearing may be requested by any interested person. Request for public hearing shall set forth the reasons why a hearing shall be held. A hearing will be held if the director determines that there is significant public interest.

Published in the Lovington Daily Leader June 3, 2004.

PUBLIC NOTICE

Notice is hereby given that pursuant to the New Mexico Oil Conservation Division Regulations, the following application has been submitted for a discharge renewal to the Director of the Oil Conservation Division, P.O. Box 6429, 1220 South Saint Francis Drive, Santa Fe, NM 87505, (505)476-3440.

The applicant, Salty Dog, Inc., P.O. Box 2724, Lubbock, TX 79408, has applied for a renewal to its existing discharge permit, BW-008. The facility is located approximately 12 miles West of Hobbs on Hwy. 62-180 in the NE 1/4 of Section 5, Township 19 S., Range 36 E., Lea Co., NM. The facility produces and sells approximately 800 bls. of brine water per day from an approved brine extraction well. Groundwater at this area is found at approximately 60 ft. and has a chloride concentration that ranges from 75 milligrams per liter to 800 milligrams per liter and a total dissolved solids concentration that ranges from 500 milligrams per liter to 1500 milligrams per liter. The facility location is underlain by alluvial sediment and the Ogallala formation. The permit application addresses all phases of its operation.

Any interested person may obtain information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The application may be viewed at the above address or at the Hobbs District Office at 1625 N. French Drive, Hobbs, NM, between 8:00 am and 4:00 pm, Monday thru Friday. Prior to ruling on any proposed application, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of the notice, during which comments may be submitted and public hearing may be requested by any interested person. Request for public hearing shall set forth the reasons why a hearing shall be held. A hearing will be held if the director determines that there is significant public interest.

Aviso Público

El aviso se da por este medio eso conforme a las regulaciones de la división de la conservación del aceite de New México, el uso siguiente se ha sometido para una renovación de la descarga al director de la división de la conservación del aceite, P.O. Box 6429, impulsión del sur de 1220 Santo Francis, FE de santa, NM 87505, (505)476-3440.

El aspirante, Salty Dog, Inc., P.O. Box 2724, Lubbock, TX 79408, ha solicitado una renovación a su permiso existente de la descarga, BW-008. La facilidad está situada aproximadamente 12 millas al oeste de Hobbs en Hwy. 62-180 en el ¼ del NE de la sección 5, el Municipio 19S., se extiende 36 E., Lea Co., NM. La facilidad produce y vende aproximadamente 800bls. del agua de la salmuera por día de una extracción aprobada de la salmuera bien. La agua subterránea en esta área se encuentra en aproximadamente 60 pies y tiene una concentración del cloruro que se extienda a partir de 75 miligramos por litro a 800 miligramos por litro y una concentración disuelta total de los sólidos que se extienda a partir de 500 miligramos por litro a 1500 miligramos por litro. La localización de la facilidad es sida la base por el sedimento aluvial y la formación de Ogallala. El uso del permiso trata todas las fases de su operación.

Cualquier persona interesada puede obtener la información de la división de la conservación del aceite y puede someter comentarios escritos al director de la división de la conservación del aceite en la dirección dada arriba. El uso se puede ver en la dirección antedicha o en la oficina de districto de Hobbs en N. 1625 french Drive, Hobbs, NM, entre 8:00 y 4:00 P.M., lunes por viernes. Antes de la decisión en cualquier uso propuesto, el director de la división de la conservación del aceite dará un plazo por lo menos thirty(30) de días después de la fecha de la publicación del aviso, durante el cual los comentarios pueden ser sometidos y la audiencia pública se puede solicitar por cualquier persona interesada. El pedido la audiencia pública dispondrá las razones por las que una audiencia será llevada a cabo. Una audiencia será llevada a cabo si el director se determina que hay interés público significativo.





























December 7, 2004

Dear Wayne Price,

After our conversation on the phone, on Thursday December 2, we will be implementing a high-density plastic liner below the sump bay at the Salty Dog Brine Station. I am in agreement with you that this is a safe guard against contamination of the soil and water.

Thank you for all of your help in designing the additions to the facility.

Brandon Bird

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NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON					
Governor					
Joanna Prukop					

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

-	•	**
- A'		~
-	4	

TO:	Vayne Price						
FROM:	- Paul S						
RE:	Sarty don C-141						
DATE:							
	4-21-05						
JAUTY	Nog 505-393-8353						
	NO. OF PAGES INCLUDING COVERSHEET						

Oil Conservation Division * 1625 N. French Drive * Hobbs, New Mexico 88240 Phone: (505) 393-6161 * Fax (505) 393-0720 * http://www.emnrd.state.nm.us

District I

Vi625 N. French Dr., Hobbs, NM 88240

District III

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rto Brazus Road, Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

	Release Notification and Corrective Action									
OPERATOR Initial Report Final Report							leport			
Name of Co	ompany ,	Salty	Dog	Inc.		Contact	Act Hil	liker		
Address	Address P.O. Box 513 VHobbs Nm Telephone No. 505/390-6205									
Facility Na	Facility Name Arkansas Jet. Brine Station Facility Type Brine water Production Facility									
Surface Ow	ner Shv	der Kane	sh	Mineral C)wner	Snyder	Ranch	Lease	No.	
LOCATION OF RELEASE										
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/Many Line		
5	5	195	36 E	1980	50	uth	1980	East	Fill Mea	
L	decent :		Lat	itude		_ Longitud	le	<u> </u>	Hobbs	
				NAT	URE	OF REL	EASE	•	OCD	
Type of Rele	asc	Salty W	ater			Volume of	Release 425	Volume	Recovered 421 Bb/s	
Source of Re	lease		ell	Feb.	U, 05-				d Hour of Discovery Feb. 1	
Was Immedi	-	. 172	1 Var 17	No 🗆 Not R	equired	If YES, To		TIME DIST	Chris Willia	
OCD Wa	2 PLESOI	-,				Oil Co	MervaTio	n PIVISION	- and Gary Wi	AK
By Whom? Was a Water	Che's	hed?	, + 6	acy WINK-	01 (0)	If YES. V	lour 2/11/c	he Watercourse.	IUHM	
			Yes 🗆			1 .				}
If a Waterco	urse was im	• •				76-	butio	A) burst	and brine water	
flowed	from .	casing	of we	ell leaking	na Yh	y pipe	hole in p	ipeline	and brine water up above groun	a
and in	to dry	lakel	ed,	flooding	lake	bed.	, - , ,	,	7	
Describe Car	see of Deals	am and Dama	dial Action	Taken *						
Cause:	hole	in bri	ne wa	ter supp	ון או	ine to	pit by	hiway b.	urst, when trying ks to suck all	29
	Tou	nplug 5	upp)y	line. <u>Re</u>	M HS	ition: S	ent vacu	um 1 ruc	rs to such all	
Describe Are	OFINE	<u>water i</u>	Action Tak	ATERS OF	104	Jakeb	ed + a15pc	Se ot a	t public 5WD.	
Day la	. I sout	(lake he	A) wa	e flooder	1 6 V	i relegs	sea orine	, lickea	וש כישט וחד עט	ine
outof	Dry low spot (lake bed) was flooded by released brine. Picked up 421 Bbls brine out of lake bed, hand to SWD. Let flooded area dry. After drying, will consult							·′′		
With las	ndowner	-, oco,	EPA .	to disc a	ffect	darea	and add.	fertilizer	+ salt neutraliz	ing
I hereby cert	ify that the i	nformation g	iven above	is true and comp	lete to th	ne best of my	knowledge and u	nderstand that pu	irsuant to NMOCD rules and	agent
									eleases which may endanger	,
public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health										
or the enviro	nmont. In s	ddition, NMC	OCD accep						compliance with any other	
federal, state	, or local lav	ws and/or regi	ulations.				OH CON	SED VARIO	I DIVIGIONI	
	a d	-11.1	17				OIL CON	SERVATIO	<u>NDIVISION</u>	
Signature:	_/M/	Nul	An.					1.	11.	
Printed Nam	ic: Art	- Hilli	Ker			Approved by	District Supervis	or hus	William	
Title: S	afety	/Cust	tomer	Relation	15	Approval Da	te: 2/24/0	6 Expiratio	n Date: 3/15/05	
E-mail Addr	ess:					Conditions o	f Approval:	۱ ،	- Attached	
Date: FE		2005	Phone:	393 - 83.	52 1	must a	4 3/1570	1)		
Attach Additional Sheets If Necessary										

Well API # 30-025-26307

Report Date: February 25, 2005 050209

Work Order: 5021008 Yucca/Salty Dog

Page Number: 1 of 1 Phillips Goldston Well #1/Brine Sta.

Salty Dog

Summary Report

Paul Sheeley

OCD-Hobbs 1625 N. French Dr. Hobbs, NM 88240

Report Date: February 25, 2005

Work Order: 5021008

Project Location: Phillips Goldston Well #1/Brine Sta.

Project Name:

Yuccay Salty Dog

Project Number: 050209

			Date	Time	Date
Sample	Description	Matrix	Taken	Taken	Received
54354	0502091100	water	2005-02-09	11:00	2005-02-10

Sample: 54354 - 0502091100

Param	Flag	Result	Units of	- RL
Hydroxide Alkalinity		<1.00	mg/L to CoCo2 (C	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1.00
Bicarbonate Alkalinity		166	mg/L as CaCo3Cy & C	4.00
Total Alkalinity		166	mg/L as CaCo3	4.00
Dissolved Calcium		1080	mg/L	0:500
Dissolved Potessium		31.8	mg/L	0.500
Dissolved Magnesium		28.2	mg/L	0.500
Dissolved Sodium		4170	mg/L	0.500
Specific Conductance		23100	μMHOS/cm	0.00
Chloride		5550	m g /L	0.500
Fluoride		4.56	mg/L	0.200
Sulfate		2430	$m_{\mathbf{g}}/\mathbf{L}$	0.500
Nttrate-N		3.71	mg/L	0.200
pH		7.64	s.u.	0.00
Total Dissolved Solids		15800	mg/L	10.00

Report	Date:	February	25.	2005
TACDATE	vaw.	A VULUE Y		2003

050209

Work Order: 5021008 Yucca/Salty Dog

Page Number: 8 of 10 Phillips Goldston Well #1/Brine Sta.

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pН		ş.u.	7.00	7.04	100	98 - 102	2005-02-11

Standard (CCV-1) QC Batch: 15898

			CCVs	CCVs	CCVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Unitx	Conc.	Conc.	Recovery	Limits	Analyzed
pH		s.u.	7.00	7.04	100	98 - 102	2005-02-11

Standard (ICV-1) QC Batch: 15942

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Calcium		mg/L	50.0	48.4	97	90 - 110	2005-02-16
Dissolved Potassium		mg/L	50.0	50.2	100	90 - 110	2005-02-16
Dissolved Magnesium		mg/L	50.0	48.9	98	90 - 110	2005-02-16
Dissolved Sodium		mg/L	50.0	49.6	99	90 - 110	2005-02-16

Standard (CCV-1) QC Batch: 15942

Patam	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Calcium		mg/L	50,0	49.4	99	90 - 110	2005-02-16
Dissolved Potassium		mg/L	50.0	49.2	98	90 - 110	2005-02-16
Dissolved Magnesium		mg/L	50.0	49.0	98	90 - 110	2005-02-16
Dissolved Sodium		mg/L	50.0	50.0	100	90 - 110	2005-02-16

Standard (ICV-1) QC Batch: 15978

			ICVs	ICVs	ICVs	Percent	
			Truc	Found	Percent	Recovery	Date
Param	Flag	Units	Сопс.	Conc.	Recovery	Limits	Analyzed
Total Alkalinity		mg/L as CaCo3	250	242	97	90 - 110	2005-02-17

Standard (CCV-1)

QC Batch: 15978

			CCVs True	CCVs Found	CCVs Percent	Percent Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Total Alkalinity		mg/L as CaCo3	250	246	98	90 - 110	2005-02-17

Standard (ICV-1)

QC Batch: 16161

Report Date: February 25, 2005 050209				Work Order: 5021008 Yucca/Salty Dog			Page Number: 9 of 10 Phillips Goldston Well #1/Brine Sta.		
Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed		
Chloride	<u>~</u>	mg/L	12.5	12.3	98 98	90 - 110 90 - 110	2005-02-22 2005-02-22		

Standard (CCV-I)	QC Batch: 16161
------------------	-----------------

			CCVs	CCVs	CCVs	Percent	
			True	Found	Percent	Recovery	Date
Param .	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Chloride		mg/L	12.5	12.2	98	90 - 110	2005-02-22
Sulfate		mg/L	12.5	12.2	98	90 - 110	2005-02-22

Lubbod	en Averus, Ste. 3 L Texas 79424	T		nalysis, I			_	_			BP	40, T B	een,Sud tas 7997	12			¢	HAI	N-O	F-CI	JST	OD	Y A	ND.	ANG	LY:	SIS	REC	WES	iT_														
Fax (6	06) 794-1296 06) 794-1298 0) 378-1296	Irace	A	na	IJ	SL	s,	L	П	C.	•		Fau	(216)	35-3143 515-491 11-3443					L/	JB Or	der I	DM_	\$	âœ	V	00	<u>)</u> -{	3_			_												
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Work Order: 5021008 Yucca/Salty Dog

Report Date: February 25, 2005 050209

Page Number: 10 of 10
Phillips Goldston Well #1/Brine Sta.

P. 01 TRANSACTION REPORT APR-21-2005 THU 02:49 PM

FOR:

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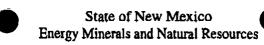
NEW MEXICO ENERGY, MUNERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

FAX			
	**		
TO:	· Wayne		
FROM:	- Wayne Paul		
RE:	Sulty Dog 3-28-05	Not Profit C-141	
DATE:	3-28-05		
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	,		
	NO. OF PAGES	INCLUDING COVERSHEET	

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brezos-Road, Azrze, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505



Form C-141 Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Release Notification and Corrective Action												
						OPERA'			Initia	al Report	Final Repo	rt
Name of Co	mpany ,	Salty	Dog	Inc.		Contact	Act Hi	II:k	l.c			7
Address	P.O.	Box 513	J/	lobbs Nn	n	Telephone !		1390	-6206	<u> </u>		7
Facility Nat	ne Ark	ALSES T		rine Static		Pacility Typ					Facility	
Surface Ow	ner Sny	der Rang	sh	Mineral C)wner	Snyder	Ranch		Loase N	Ιρ.,]
		Larry S		LOCA	TIO	OF RE	LEASE					
Unit Letter	Section	Township	Range	Feet from the	30570	South Line	Feet from the	East	Line	County	_	7
J	5	195	36 E	1980	50	uth_	1980	E	ast	FEB 280	ea	
			La	titude		Longitud	le		1:	Hobbs	EU	
	NATURE OF RELEASE OCO											
Type of Rele			enter				Release 425				421 Bb/s	٦.,
Source of Re Was Immedi			411.	Feb.	U, 05-	Date and I		CO A) to			covery Feb. 11,05	19/
OCD Wa	**	- PCA	Yes 🗀	No 🗌 Not R	equired			_		CAA	is Williams Gary Wink	.
By Whom?	Chair						Jour 2/11	05	BOD'S	- and 10 Am	MARY WIAK	-
Was a Water	course Rese	hed?		ary Wink-	V-CiBalli	If YES, Vo	olume Impacting	the Wa	tercourse.	<i>y y y y y y y y y y</i>		7
dry La	ke bed	• •	Yes [Bbls 1					
If a Watercourse was Impacted, Describe Fully.* Brine supply pipeline (buried) burst and brine water												
flowed	tlowed from Casing Of well leaking through hole in pipeline up above ground											
and in	to dry	lake l	ed,	flooding	lake	bed.						
Describe Cau	ise of Proble	em and Reme	dial Action	n Taken.*	.11	tua ta	A24 A4	Liu	av hu	net us	Can tanding	
canse:	Tou	AN DTI	ne wa	line. Re	m A	ction: S	ent vacu		Truck	s to	en trying suck all	
	brine	water i	n Low	en.	Tof	lake b	ed + disa	ose	of at	public	SWD.	
Describe Are	a Affected	and Cleanup	Action Tak	ren.*	1 L.	, 44/06	ed being		ckal .	421	Bbls bring	
Dry lot	W S POT	Lake De	al to	CAD L	1 0) 1 £	reieva Ladad	acaa day	. A	Ghar de	y) What W	ill consult	
WIT OF	dame	DECLINA - DCD	EPA ·	to dies a	00m A	ad a co	area ary	ارد م	-112- 4-	7''''''		
I hereby certi	fy that the i	information gi	ven above	is true and comp	lete to the	he best of my	knowledge and	underst	and that pur	uant to NM	neutralizing	e.1:
regulations a	ll operators	are required t	o report ar	nd/or file certain r	release n	otifications a	nd perform corre	ctive ac	ctions for rel	cases which	may endanger U	E (17)
should their	or the envir Derations h	ronment. The save failed to a	acceptanc adequately	e of a C-141 repo	ort by the emediate	e NMOCD m e contaminati	arked as "Final F ion that nose a thi	Report" rest to :	does not rel etem hanne	ieve the oper	rator of liability ter, human health	
or the environ	nment. In a	ddition, NMC	CD accep	tance of a C-141	report d	oes not reliev	e the operator of	respon	sibility for c	ompliance w	rith any other	
federal, state,	or local lav	ws and/or regu	llations.				OIL CON	(CED)	VATION	DIMETO	NXY	-
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Title: Sa	fety	/Cust	tomer	Relation	5	Approval Da	te: 2/24/0	6	Expiration	Date: 3/	15/05	
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Date: Fe	6. 23	3.2005	Phone:	393 - 83	52 1	musta	that a	rem	desten	Auauneu	u	
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Well API # 30-025-26307

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T & SERVICES, INC. P.O. BOX 1262 LEVELLAND, TX 79336 -806-894-8425 FAX 806-894-5635

facsimile transmittal

B6-08

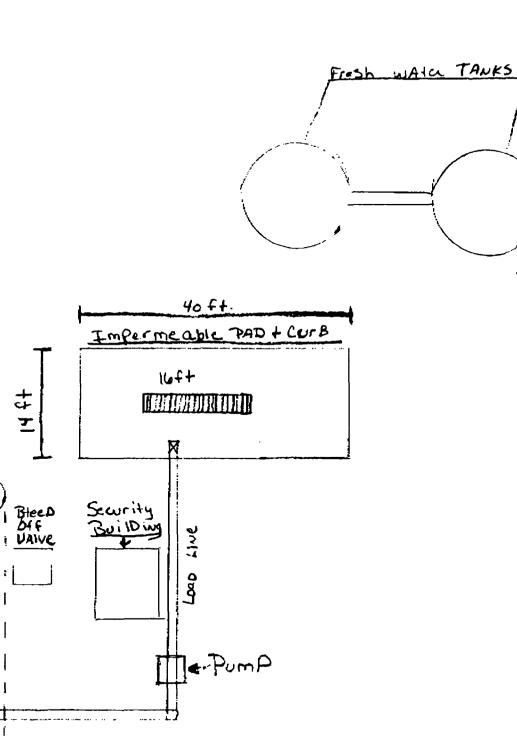
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Fence

POND

LINET

moniter well



-Fresh water well

Price, Wayne

From:

Sent:

Johnson, Larry Monday, March 28, 2005 10:53 AM Price, Wayne Williams, Chris Salty Dog

To:

Cc: Subject:

Looking north toward the truck loading area from just north of the well.



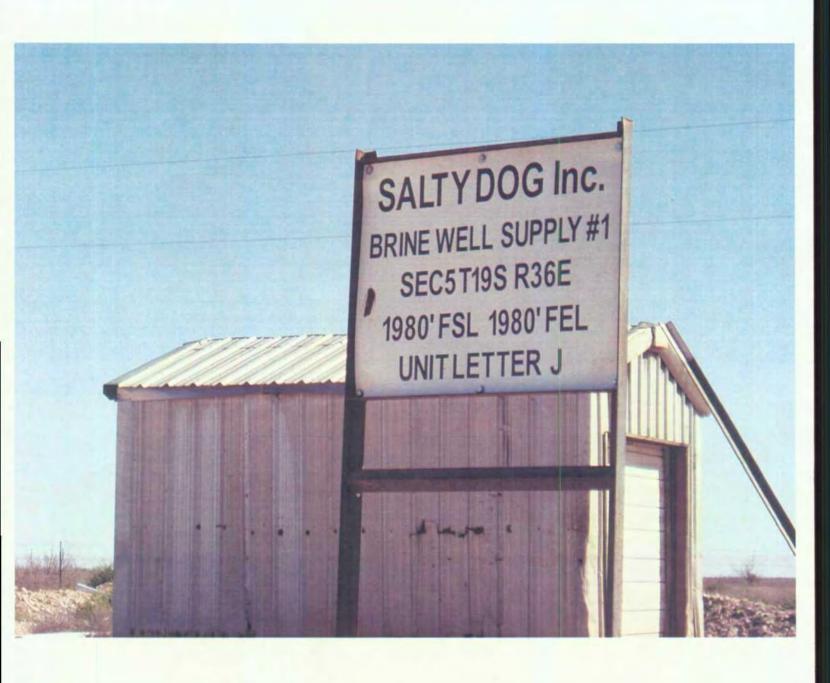


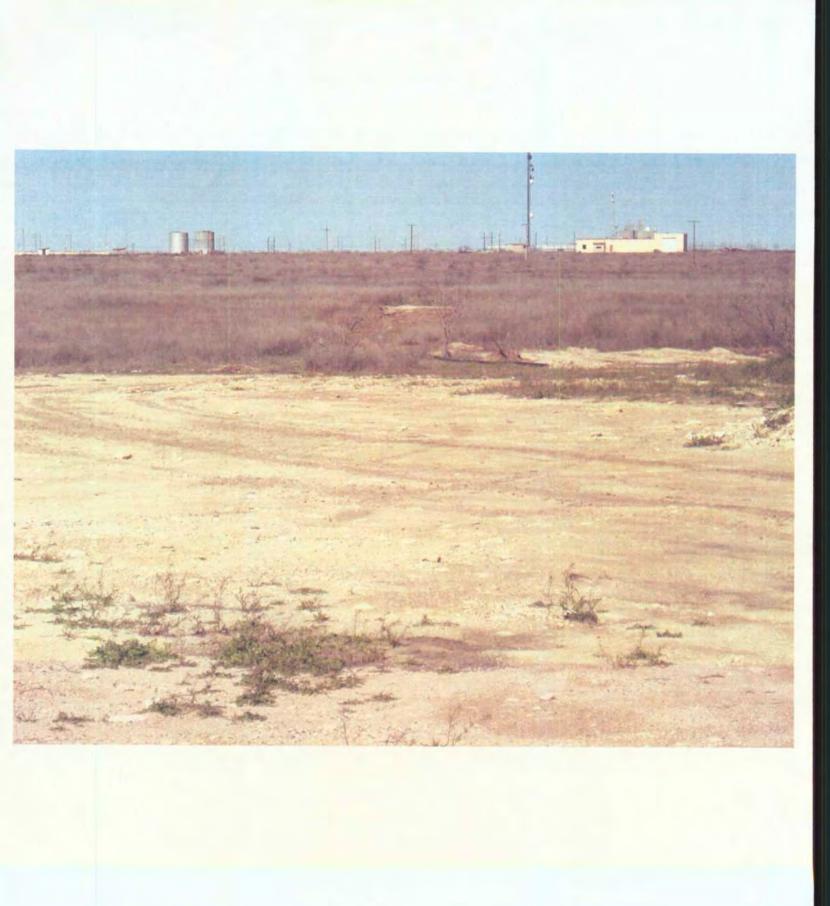
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NEW MEXICAN

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CIL CONSELMANA DI VIOLENI

NM OIL CONSERVATION DIV.

1220 ST. FRANCIS DR Attn: Wayne Price SANTA FE NM 87505 ALTERNATE ACCOUNT: 56689

AD NUMBER: 00091709 ACCOUNT: 00002212

LEGAL NO: 75107

P.O. #: 05-199-050185

145 LINES 1 TIME(S)

99.00 5.50

AFFIDAVIT: TAX:

6.99

TOTAL:

111.49-

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO COUNTY OF SANTA FE

I, B. Perner, being first duly sworn declare and say that I am Legal Advertising Representative of THE SANTA FE NEW MEXICAN, a daily newspaper published in the English language, and having a general circulation in the Counties of Santa Fe and Los Alamos, State of New Mexico and being a newspaper duly qualified to publish legal notices and advertisements under the provisions of Chapter 167 on Session Laws of 1937; that the publication #75107 a copy of which is hereto attached was published in said newspaper 1 day(s) between 10/20/2004 and 10/20/2004 and that the notice was published in the newspaper proper and not in any supplement; the first date of publication being on the 20th day of October, 2004 and that the undersigned has personal knowledge of the matter and things set forth in this affidavit.

15/- Bleina

LEGAL ADVERTISEMENT REPRESENTATIVE

Subscribed and sworn to before me on this 20th day of October, 2004

Notary <u>Janua E. Hardi</u>

Commission Expires:

11/23/07

NOTICE OF PUBLICATION

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

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge permit application(s) has been submitted to the Director of the Oil Conservation Division, 1220 S. Saint Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

(BW-08) - Salty Dog Inc., Pieter Bergstein, President, P.O. Box 2724, Lubbock,Texas 79408 has submitted an application for the renewal of a discharge plan for the Arkansas Junction Brine Station, located in Section 5, Township 19 South, Range 36 East, NMPM, Lea County, New Mexico. Approximately 90 gallons per minute of brine water with a TDS of approximately 300,000 mg/l is produced from a Class III Brine Well and stored in a lined pond for use in the oil industry. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 75 feet with a total dissolved solids concentration of 400 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed including groundwater monitoring and remediation at the site.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil

Conservation Division at the address given above. The discharge permit application and draft discharge permit may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. The draft discharge permit may also be viewed at OCD's web site with the color of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted and a public hearing may be requested by any interested person. Requests for a public hearing shall set forth the reasons why a hearing should be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed permit based on information available. If a public hearing is held, the director will approve or disapprove the proposed permit based on information in the permit and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 10th day of October 2004.

SEAL

STATE OF NEW MEXICO OIL CONSERVATION DIVISION

> Mark Fesmire, Director

Legal #75107 Pub. October 20, 2004

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

or cash received on	
$\alpha u = \alpha \alpha$	in the amount of \$ 1800°
from SALTY DOG	
ear SALTY DOG BRINEST	BW-008 -
Submitted by: NAYNE PRICE	. Data: 11/3/64
Submitted to ASD by:	Date:
Received in ASD by:	Date:
Filing Fee New Facility	Renewal 🔀
Modification Other	
Organization Code <u>521.07</u> To be deposited in the Water Quality	Applicable Fy 2000 4 Management Fund.
Full Payment or Annual I	increment
Full Payment or Annual I SALTY DOG P. O. BOX 2724 PH. 806-741-1080 LUBBOCK, TX 79408	1526

August 31, 2004

RECEIVED

NMOCD Environmental ATTN: Wayne Price Box 6429 1220 S. Saint Francis Drive Santa Fe, NM 87504 SEP C 7 2004 OIL CONSERVATION DIVISION

RE: Zia - Salty Dog

NOV

Mr. Price:

Find within photographs and run ticket of work performed pursuant to your letter and NOV. Zia lowered the level in it's brine pit and cleaned up around drive area and loading area. The soil was hauled to an OCD approved facility. The area looks good and I was told they will keep up with maintenance.

Thank you for your help and if anything else is needed, please call.

Sincerely,

Eddie W. Seay, Agent

Eddi W Duce

601 W. Illinois

Hobbs, NM 88242

(505)392-2236

CONTROLLED RECOVERY, MC.

P.O. Box 388 • Hobbs, New Mexico 88241 388

(505) 393-1079 www.crihobbs.com

Bill to					
Address					
Company/Generator	· ·	50/1/4	110.59 1.1	i,	
Lease Name		5011	1109 100 1 109 100	6 11 04	
Trucking Company/	th Selvice	Vehicle Num	berブブラ	Driver (Print)	
Date 🔘	27	04		1230	a.m. /(p.m.;
		Туре о	f Material		*
☐ Exempt	<u> </u>	Tank Bottoms		Fluids	
□ Non-Exem	pt C1	17		Other Material	
C138	—— c91	Śoils		List Description Below	
		DESC	CRIPTION	A STATE OF THE STA	
	<u> </u>	he (6.750.	<u> </u>	
Volume of Material	☐ Bbls		Yard	☐ Gallons	3
☐ Wash Out	□ Call Out		☐ After Hours	☐ Debris	Charge
I represent and warrant		erated from oil and	gas exploration and pro- not mixed with non-exen	duction operations: exempt f npt wastes.	rom Resource
Agent(Signature)			X 		
	6	(
CRI Representative _	(Signature)				
TANK BOTTOMS	Feet Inc	nes			
1st Gauge			BBLS Received	BS&W	%
2nd Gauge			Free Water		
Received			Total Received		

SALTY DOG BRINE, INC. HOBBS, NM

NMOCD DISCHARGE PLAN BW-008 JUNE 2004 District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM

87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of

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

10, 2003 Submit Original Plus 1 Copy to Santa Fe 1 Copy to Appropriate District Office

DISCHARGE PLAN APPLICATION FOR BRINE EXTRACTION FACILITES

(Refer to the OCD Guidelines for assistance in completing the application)

		\
New	(Renewal	
		•

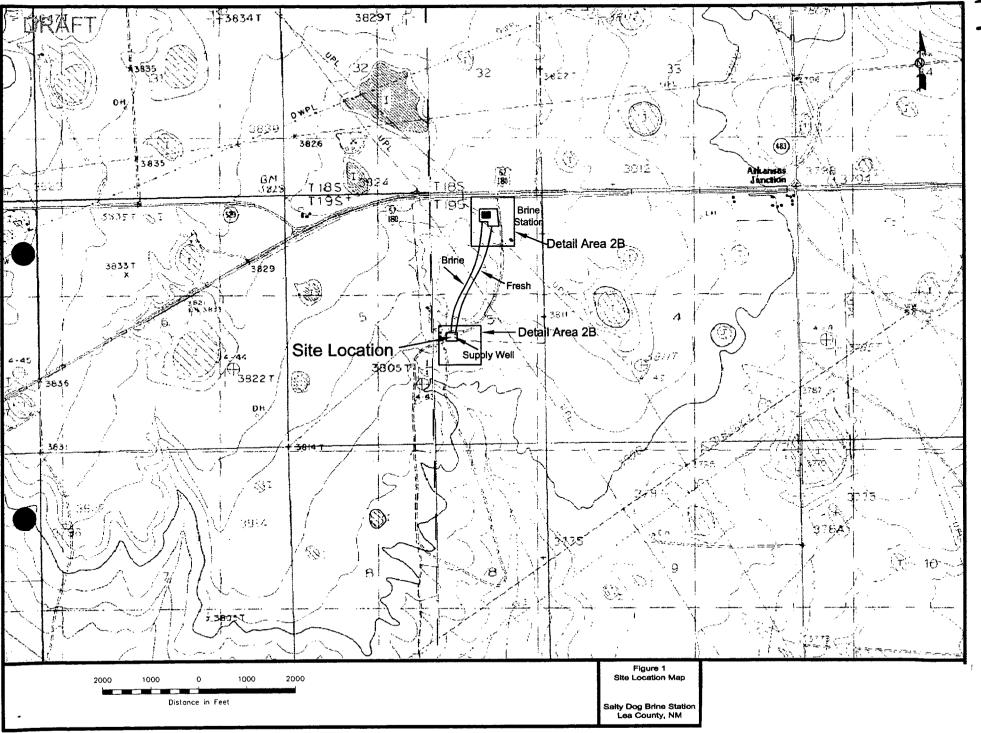
]	New	Re	newa				
I.	Facility Name:		Dog,	Inc.	I	Brine	St	tation	BW-008		
П.	Operator:	Piter	Berg	stein	, Zi	la Tr	ans	sporta	tion		
	Address:	Box 2	724	Lubb	ock,	TX	79	9408			
	Contact Person:	Terry	Wall	ace	······································			····	Phone: (505)393 -	-8352
Ш.	Location: N	E	_/4		/4	Sectio	n	5	Township19	S	Range
			Subm	it large so	cale to	pograp	hic r	nap show	ing exact location.		
IV.	Attach the nam	e and add	iress of t	he landov	vner o	of the fa	cilit	y site.			
V.	Attach a descri	ption of t	he types	and quan	tities	of fluid	s at	the facilit	y.		
VI.	Attach a description of all fluid transfer and storage and fluid and solid disposal facilities.										
VII.	Attach a descri	ption of u	ındergrou	ınd facili	ties (i	.e. brine	e ext	raction w	ell).		
VIII.	Attach a contin	gency pla	in for rep	orting an	ıd clea	an-up o	f spi	lls or rele	ases.		
IX.	Attach geologic impact fresh water	:al/hydrol er,	ogical ev	vidence de	emons	strating	that	brine ext	raction operations v	vill not a	adversely
X.	Attach such oth regulations and/or		ation as	is necess	ary to	demon	strat	e complia	ance with any other	OCD n	ıles,
XI.	CERTIFICATI	ON:									
	submitted in this immediately response	document onsible fo ware that	t and all or obtain: there ar	attachme ing the ir e signific	ents a eform	nd that, ation. I	bas beli	ed on my eve that t	and am familiar with inquiry of those in the information is the information of false information in the false information in the information in th	dividua rue acc	ls urate and
Na	me: Eddie W.	. Seay						Signature	يا برودع:	do-	
se	ay04@leaco.	.net			F	-mail A	ddre	-cc.			<u> </u>

Blin W	_	Title:
Agent	Date:	6-4-04

IV. Snyder Ranches Inc. Box 2158 Hobbs, NM 88241

- V. Salty Dog produces and sells both fresh water and brine. The fresh water is contained in two 1000 bl. tanks. The brine is pumped from the brine well into a lined storage pit. The pit, approximately 130' x 130' x 4', stores the brine for truck sales. The pit is equipped with a leak detection system so that a visual inspection can be made daily for any leaks to the brine pit.
- VI. The fluids, both fresh and brine, are transferred from the brine well to the brine storage pit through a 3" poly pipe 3/8" thick, buried at a depth of approximately 18". The poly pipe has a 50 year design life and a 800# burst pressure. The line is inspected almost daily by physically driving along side of line and inspecting it for leaks.
- VII. The brine well is equipped with 8 5/8" production casing and a 5 1/2" liner, and 2 1/2" tubing. Fresh water is pumped down the casing into the salt section and brine is produced out the tubing and transferred to the brine storage pit. The well operates at approximately 275# and can produce approximately 35 bls. per hr. (see attached well bore schematic)
- VIII. Salty Dog, Inc., in association with Zia Transportation, has vacuum trucks and equipment that will be used in case of an accidental spill or release. In the event of a release, Salty Dog will notify the Hobbs OCD and proceed with cleanup as directed or as guidelines require.
- IX. With proper monitoring of the lined pit, lines and testing of well is done, any leak can be detected with a minimum of damage. Salty Dog did have a leak in its brine well, the well was repaired and extraction wells were installed to recover salt water from the formation. To date, Salty Dog has recovered 1,072,800 gallons of water, which it uses in the brine system. (attached are water analysis.)
- X. Salty Dog, Inc., Zia Transportation and Mr. Piter Bergstein are dedicated and will install a monitor well down gradient of the brine pond, and two additional monitor wells at the contaminated site near the brine well, as directed by the OCD.

	H.B.P. B-243	** Open Disc. Op	VH Westbrook (TPC50 & Pure) Storie Oev Disc. Pg.4-6-62 Storie	Marethan woolridge 19-11-94 2-13-93 10-3-94 Movers Oil, M.I. John R. Jayce III, etc., M.I. Snyder Rehurd(3)	Vannuar, ctal Alma Goodwin PC Brooks, (5)	Pomeio Johnson, etal Alma Goodwin RC. Brooks(5) Stete	12.0.2001 Ch. 12.0.2001
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6/03/2004 09:28:14 **LEACOUNTY ASSESSOR** Year 2004 FAYE NonRend% 0 **Cer** 0042066 Dist 160 0 Centrl 357441 Full 119147 Txbl SNYDER RANCHES LTD FinCo 4989 Land 0 Exmpt 33282 Impr 0 P.P. 0 м.н. HOBBS NM 88241 119147 Net **319170 Livstk** \$4035.72 Pos to() Print=Y Property Description Code ValueDesc Quantity Rate Taxable SECTION-26 TOWNSHIP-18S RANGE-35E 200.00 AC BEING W2SE4, E2SW4, NW4NW4 4 000 420 660 004 SECTION-33 TOWNSHIP-18S RANGE-36E 160,00 AC BEING SE4 4 000 420 660 005 SECTION-04 TOWNSHIP-19S RANGE-36E 139.14 AC LOC LOT 2, S2NE4 S2 LOT 1 4 000 420 660 001

SECTION-05 TOWNSHIP-19S RANGE-36E

F3=Cancel F4=Prompt() F6=Change Years F12=Return

160.00 AC LOC SE4 More...

WELL :	BORE	SKET	CH
--------	------	------	----

Hole at 60'

Hole Size 12 1/4"

CASING:

Size <u>8 5/8"</u> Weight <u>24# & 32#</u>

Grade J-55

Set at 1877' with 850

Sacks Cement

Circulate_ 200 Sacks to Surface

Hole at 250'

CASING LINER:

Size 5 1/4" Weight 15.50 #

Grade J-55

Set at 1829' with 275

Sacks Cement

10 bbls Circulate

Sacks to Surface

TUBING:

Size 2 7/8"

Weight <u>6.5#</u>

82

Grade J-55

Number of Joints_

Set at 2534'

Bottom arrangement: Open ended with notched collar

_ Hde Size _ 6 1/4"





PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR

SALTY DOG

ATTN: TERRY WALLACE

P.O. BOX 513

HOBBS, NM 88241

FAX TO: (505) 393-8353

Receiving Date: 05/25/043

Reporting Date: 05/25/04

Project Number: NOT GIVEN Project Name: NOT GIVEN

Project Location: NOT GIVEN

Analysis Date: 05/25/04

Sampling Date: 05/25/04

Sample Type: GROUNDWATER Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: AH

LAB NUMBER SAMPLE ID (mg/L)

H8730-1 N	MONITOR WELL #1	1320
		·
Quality Control		990
True Value QC		1000
% Recovery		99.0
Relative Percent Diffe	rence	4.0

METHOD: Standard Methods 4500-CIB

My Kill
Chemist

5/25/04 Date





ANALYTICAL RESULTS FOR

SALTY DOG

ATTN: TERRY WALLACE

P.O. BOX 513 HOBBS, NM 88241 FAX TO: (505) 393-8353

Receiving Date: 05/25/043
Reporting Date: 05/25/04
Project Number: NOT GIVEN

Project Name: NOT GIVEN Project Location: NOT GIVEN

Analysis Date: 05/25/04 Sampling Date: 05/25/04

Sample Type: GROUNDWATER Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: AH

LAB NUMBER SAMPLE ID CIT (mg/L)

H8730-2 N	IONITOR WELL #2	332
		APP Quigny
		······································
Quality Control		990
True Value QC		1000
% Recovery		99.0
Relative Percent Diffe	rence	4.0

METHOD: Standard Methods 4500-CI'B

Chemist /

5/25/04 Date





ANALYTICAL RESULTS FOR

SALTY DOG

ATTN: TERRY WALLACE

P.O. BOX 513 HOBBS, NM 88241 FAX TO: (505) 393-8353

Receiving Date: 05/25/043
Reporting Date: 05/25/04
Project Number: NOT GIVEN
Project Name: NOT GIVEN

Project Name: NOT GIVEN Project Location: NOT GIVEN

Analysis Date: 05/25/04 Sampling Date: 05/25/04

Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: AH

LAB NUMBER

SAMPLE ID

Cl⁻ (mg/L)

H8730-3	MONITOR WELL #3	380
No. of the last of		
Quality Control		990
True Value QC		1000
% Recovery		99.0
Relative Percent Diffe	erence	4.0

METHOD: Standard Methods 4500-Cl'B

Chemist Hill

5 25/04 Date





ANALYTICAL RESULTS FOR

SALTY DOG

ATTN: TERRY WALLACE

P.O. BOX 513 HOBBS, NM 88241 FAX TO: (505) 393-8353

Receiving Date: 05/25/043
Reporting Date: 05/25/04
Project Number: NOT GIVEN

Project Name: NOT GIVEN Project Location: NOT GIVEN

Analysis Date: 05/25/04 Sampling Date: 05/25/04

Sample Type: GROUNDWATER Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: AH

LAB NUMBER SAMPLE ID (mg/L)

H8730-4	REMEDIATION WELL #1	440
		· · · · · · · · · · · · · · · · · · ·
Quality Control		990
True Value QC		1000
% Recovery		99.0
Relative Percent D	Pifference	4.0

METHOD: Standard Methods 4500-CIB

Chemist (

5/35/04





ANALYTICAL RESULTS FOR

SALTY DOG

ATTN: TERRY WALLACE

P.O. BOX 513 HOBBS, NM 88241 FAX TO: (505) 393-8353

Receiving Date: 05/25/043
Reporting Date: 05/25/04

Project Number: NOT GIVEN Project Name: NOT GIVEN

Project Location: NOT GIVEN

Analysis Date: 05/25/04 Sampling Date: 05/25/04

Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: AH

LAB NUMBER SAMI

SAMPLE ID

CI⁻⁻ (mg/L)

H8730-5	REMEDIATION WELL #2	11097

Quality Control		990
True Value QC		1000
% Recovery		99.0
Relative Percent [Difference	4.0

METHOD: Standard Methods 4500-CIB

the Hill the state of the state

5/25/04 Date





ANALYTICAL RESULTS FOR SALTY DOG

ATTN: TERRY WALLACE P.O. BOX 513

HOBBS, NM 88241 FAX TO: (505) 393-8353

Receiving Date: 05/25/043
Reporting Date: 05/25/04

Project Number: NOT GIVEN
Project Name: NOT GIVEN

Project Location: NOT GIVEN

Analysis Date: 05/25/04 Sampling Date: 05/25/04

Sample Type: GROUNDWATER Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: AH

LAB NUMBER SAMPLE ID CI (mg/L)

H8730-6	FRONT WW BY PIT	720
Quality Control		990
True Value QC		1000
% Recovery		99.0
Relative Percent Diff	erence	4.0

METHOD: Standard Methods 4500-CIB

Chemist J-U

5/25/04 Date

ARDINAL LABORATORIES, INC.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES, INC.
2111 Beechwood, Abilene, TX 79603 101 East Marfand, Hobbs, NM 88240

(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (50								5) 3	93-2	2476	;		• .						Pege	<u>~</u> _		
Company Name:	Company Name: Sc./// Do 9						BILL TO								ANAL	YSIS	REQU	JEST				
Project Manager: Terry 1860/ace							P.O. #: Gane							-								
Address: fio Box 5/9							Company:] .	1					
City: Hobbs State: Nin Zip: 88241							Attn:									ļ		l· i				
City: 16.66 State: Nin Zip: 88.241 Phone #: 39.3-8352 Fax #: 39.3-8353							Address:											•				
Project #: Project Owner:						City:							Į.			}						
Project Name:						State: Zip:								1	1	}		1	1			
Project Location:									Phone #:].		ł			l] .		
Sampler Name:									Fax #:										1			
FOR LAB USE ONLY		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	П		MATRIX				PR	ESE	RV.	SAMI	LING			•] .		1			
Lab I.D.	Sample I.D		(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASIEWAIEK	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	77					·		
H8730-1	Monitor Well	1 #/			1	I							5125109									
-2	Monitor Well	<u>#</u> ⊋			1	<u>].</u>	_	<u> </u>		L								<u> </u>	<u> </u>	<u> </u>		
- 3	Monitor Well	/ # 3			4	\bot	1	_		_	\Box						<u> </u>		<u> </u>	<u> </u>	<u> </u>	<u> </u>
-4	Remediation U	1911#1			1	_	╀-	 	\perp	_	-			<u> </u>			ļ			 	 -	 -
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				7	-	+	+-							 			 					
PLEASE NOTE: Liability and Demages, Cardinal's liability and client's exclusive remedy for any client arising whether based in contract or tort, shall be in engigenee. All claims including these torregigence and any other cause whethoever shall be deemed waived crises must be writing and received by Cerdinal within 34 service. In the owner shall Cardinal be liable for incidental or consequents damages, including without inflation, husiness interruptions, loss of use, or loss of profits in efficience or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the abo								ithin 30 odla ido	0 days after completion of the applicable 30 days coursed by client, by subsidiaries, and all o						nys past d	ditions: Int us at the rai collections,	te of 24% p	er annum '	trom the ori			
Sampler Relinquished: Date: 5/35/64			Rece										Phone Result		☐ Ye		No No					
Sampler Relinquished: Date: 5/25/04 Time: 0:45 Am Relinquished By: Date:				REMARKS:										LJ 18	<u> </u>	NO I	L					
Relinquished By: Date: F			Rece	Received By: (Lab Staff)								1										
Time:				Honey Hil							U											
Delivered By: (Circle One) Sagiple Cond						ion ntact	- 3	Che	cked		. \]										
Sampler - UPS - Bus - Other:					E Yes □ No					(In)ti	als)			: · _ ·								

[†] Cardinal cannot accept verbal changes. Please fax written changes to (915) 673-7020.

Affidavit of Pullication

STATE OF NEW MEXICO)
) ss.
COUNTY OF LEA)
Joyce Clemens being first duly sworn of	n oath deposes and
says that she is Advertisting Director of	THE LOVINGTON
DAILY LEADER, a daily newspaper of	general paid circula-
tion published in the English language	e at Lovington, Lea
County, New Mexico; that said newspap	- ·
lished in such county continuously and	•
period in excess of Twenty-six (26) cons	· · · · · · · · · · · · · · · · · · ·
prior to the first publication of the notice	
hereinafter shown; and that said newsp	•
duly qualified to publish legal notices w	, ,

That the notice which is hereto attached, entitled Public Notice

was published in a regular and entire issue of THE LOV-INGTON DAILY LEADER and not in any supplement thereone (1) day of, for _, beginning with the issue of June 3 _____, 2004 and ending with the issue Of_June_3 2004. And that the cost of publishing said notice is the sum of

Chapter 167 of the 1937 Session Laws of the State of New

\$ 50.94 which sum has been (Paid) as Court Costs.

Subscribed and sworn to before me this 3rd day of

June 2004

Mexico.

Debbie Schilling

Notary Public, Lea County, New Mexico My Commission Expires June 22, 2006

PUBLIC NOTICE

Notice is hereby given that pursuant to the New Mexico Oil Conservation Division Regulations, the following application has been submitted for a discharge renewal to the Director of the Oil Conservation Division, P.O. Box 6429, 1220 South Saint Francis Drive, Santa Fe, NM 87505, (505) 476-3440.

The applicant, Salty Dog, Inc., P.O. Box 2724, Lubbock, TX 79408, has applied for a renewal to its existing discharge permit, BW-008. The facility is located approximately 12 miles West of Hobbs on Hwy. 62-180 in the NE1/4 of Section 5, Township 19 S., Range 36 E., Lea Co. NM. The facility produces and sells approximately 800 lbs of brine water per day from an approved brine extraction well. Ground water at this area is found at approximately 60 ft. and has a chloride concentration that ranges from 75 milligrams per liter to 800 milligrams per liter and a total dissolved solids concentration that ranges from 500 milligrams per liter to 1500 milligrams per liter. The facility location is underlain by alluvial sediment and the Ogallala formation. The permit application addresses all phases of its operation

Any interested person may obtain information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The application may be viewed at the above address or at the Hobbs District Office at 1625 N. French Drive, Hobbs, NM, between 8:00 am and 4:00 pm, Monday thru Friday. Prior to ruling on any proposed application, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of the notice, during which comments may be submitted and public hearing may be requested by any interested person. Request for public hearing shall set forth the reasons why a hearing shall be held. A hearing will be held if the director determines that there is significant public interest.

Published in the Lovington Daily Leader June 3, 2004.

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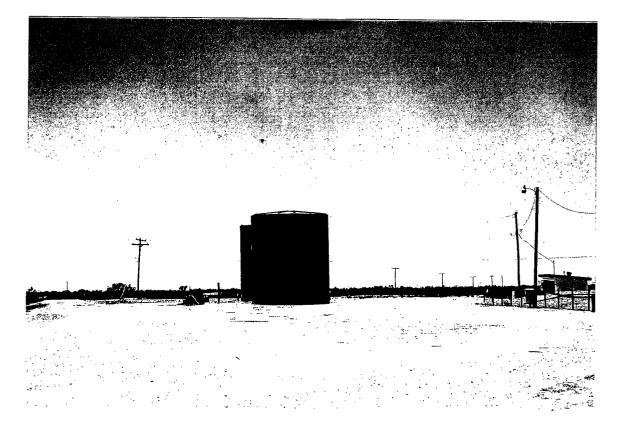
Aviso Público

El aviso se da por este medio eso conforme a las regulaciones de la división de la conservación del aceite de New México, el uso siguiente se ha sometido para una renovación de la descarga al director de la división de la conservación del aceite, P.O. Box 6429, impulsión del sur de 1220 Santo Francis, FE de santa, NM 87505, (505)476-3440.

El aspirante, Salty Dog, Inc., P.O. Box 2724, Lubbock, TX 79408, ha solicitado una renovación a su permiso existente de la descarga, BW-008. La facilidad está situada aproximadamente 12 millas al oeste de Hobbs en Hwy. 62-180 en el ¼ del NE de la sección 5, el Municipio 19S., se extiende 36 E., Lea Co., NM. La facilidad produce y vende aproximadamente 800bls. del agua de la salmuera por día de una extracción aprobada de la salmuera bien. La agua subterránea en esta área se encuentra en aproximadamente 60 pies y tiene una concentración del cloruro que se extienda a partir de 75 miligramos por litro a 800 miligramos por litro y una concentración disuelta total de los sólidos que se extienda a partir de 500 miligramos por litro a 1500 miligramos por litro. La localización de la facilidad es sida la base por el sedimento aluvial y la formación de Ogallala. El uso del permiso trata todas las fases de su operación.

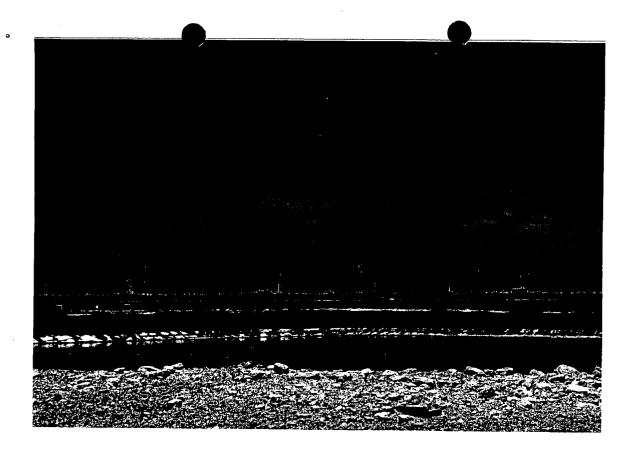
Cualquier persona interesada puede obtener la información de la división de la conservación del aceite y puede someter comentarios escritos al director de la división de la conservación del aceite en la dirección dada arriba. El uso se puede ver en la dirección antedicha o en la oficina de districto de Hobbs en N. 1625 french Drive, Hobbs, NM, entre 8:00 y 4:00 P.M., lunes por viernes. Antes de la decisión en cualquier uso propuesto, el director de la división de la conservación del aceite dará un plazo por lo menos thirty(30) de días después de la fecha de la publicación del aviso, durante el cual los comentarios pueden ser sometidos y la audiencia pública se puede solicitar por cualquier persona interesada. El pedido la audiencia pública dispondrá las razones por las que una audiencia será llevada a cabo. Una audiencia será llevada a cabo si el director se determina que hay interés público significativo.

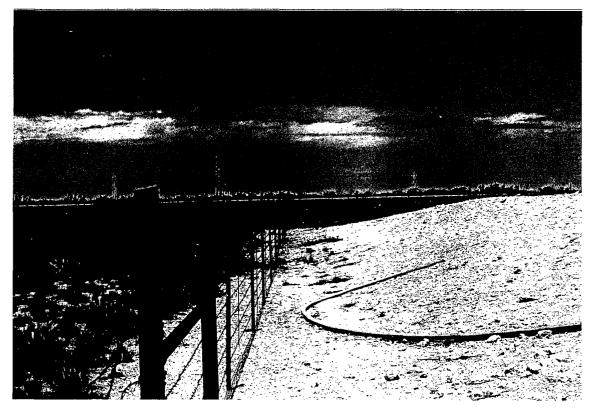


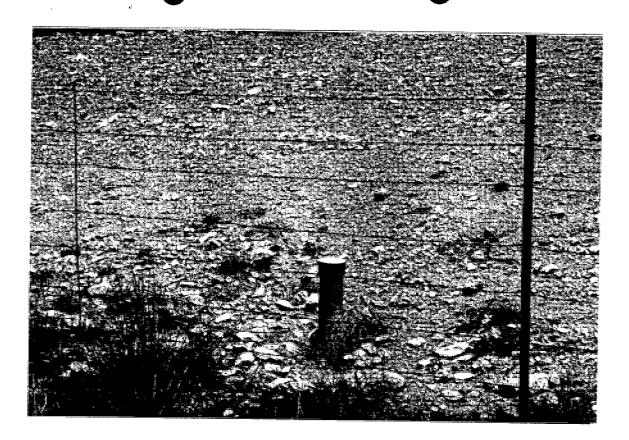


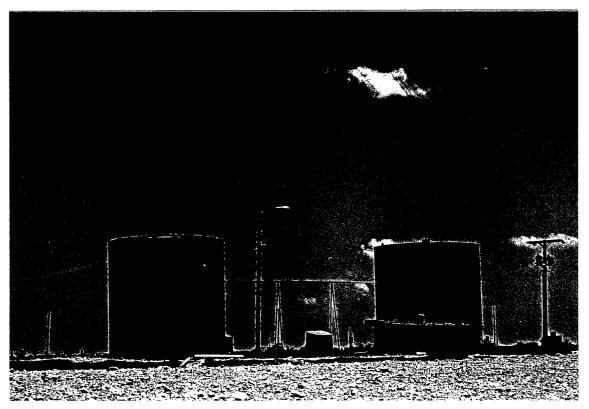


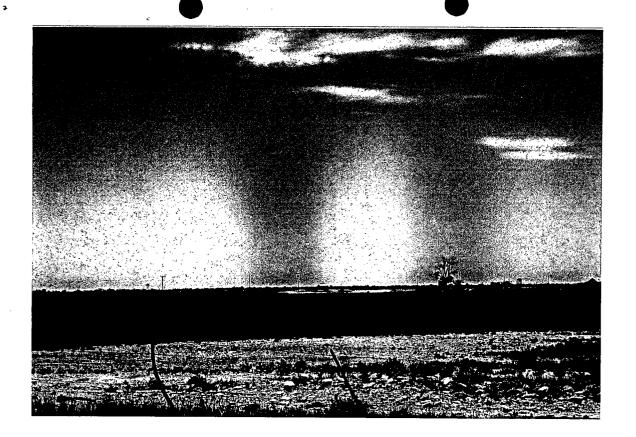


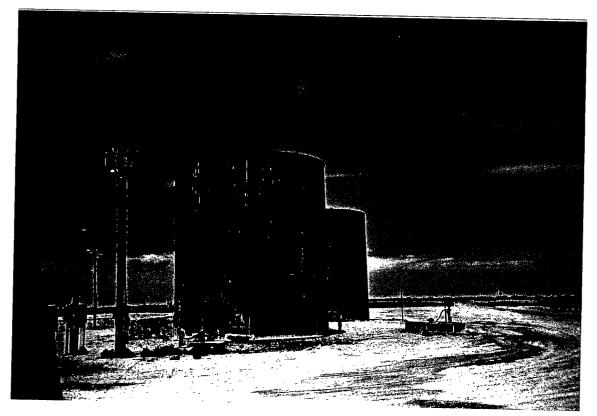




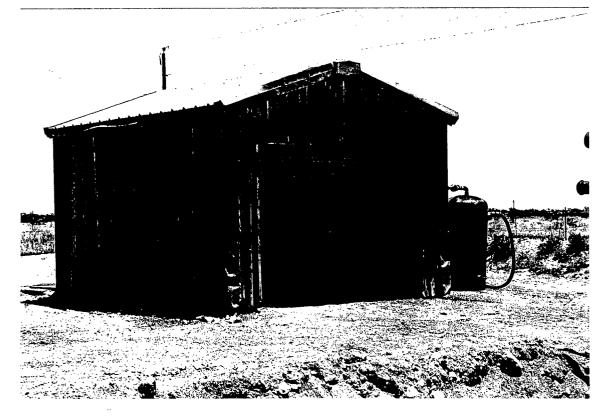






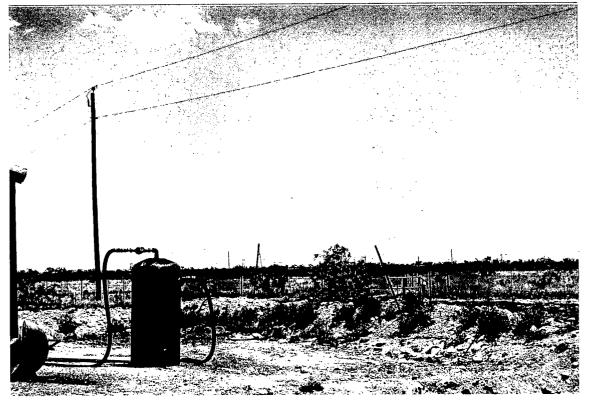








(× +)



Price, Wayne

From:

Price, Wayne

Sent:

Tuesday, August 24, 2004 8:40 AM

To:

'tpayton@nts-online.net'

Subject: RE: Salty Dog Brine Station BW-008 Notice of Violation of Permit Co nditions

I fax the info for your files. If you did not received it call me.

----Original Message----

From: Terry Payton [mailto:tpayton@nts-online.net]

Sent: Tuesday, August 24, 2004 7:18 AM **To:** Price@smtp.nts-online.net; Wayne

Subject: Re: Salty Dog Brine Station BW-008 Notice of Violation of Permit Co nditions

Mr. Price,

I could not get the report or the pictures to print on my printer. Is it possible to fax over a copy of the report and pictures to my office. The fax number is (806) 741-1301. Thank you.

Terry Payton

On Mon, 23 Aug 2004 17:06, Price, Wayne <WPrice@state.nm.us> sent:

Please find enclosed a copy of OCD's inspection report and photos. Salty Dog has 10 days to correct these violations. Please provide proof of correction.

 $\Diamond \Diamond \Diamond$

Sincerely: <>

Wayne Price New Mexico Oil Conservation Division 1220 S. Saint Francis Drive Santa Fe, NM 87505 505-476-3487

fax: 505-476-3462

E-mail: WPRICE@state.nm.us

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--- Msg sent via NTS-Mail - http://www.nts-online.net/

This email has been scanned by the MessageLabs Email Security System. For more information please visit http://www.messagelabs.com/email

Price, Wayne

From:

Terry Payton [tpayton@nts-online.net]

Sent:

Tuesday, August 24, 2004 7:18 AM

To:

Price@smtp.nts-online.net; Wayne

Subject: Re: Salty Dog Brine Station BW-008 Notice of Violation of Permit Co nditions

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Wayne Price New Mexico Oil Conservation Division 1220 S. Saint Francis Drive Santa Fe, NM 87505 505-476-3487

fax: 505-476-3462

E-mail: WPRICE@state.nm.us

Confidentiality Notice: This e-mail,including all attachments is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review,use,disclosure or distribution is prohibited unless specifically provided under the New Mexico Inspection of P! ublic Records Act. If you are not the intended recipient, please contact the sender and destroy all copies of this message. -- This email has been scanned by the MessageLabs Email Security System.

--- Msg sent via NTS-Mail - http://www.nts-online.net/

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TRANSMITTAL COVER SHEET

OIL CONSERVATION DIVISION 1220 S. ST. FRANCIS DRIVE SANTA FE, NM 87505 (505) 476-3440 (505)476-3462 (Fax)

PLEASE DEI	LIVER THIS FAX:	SAK	
TO:	TERRY PAYTON	806-	741-1301
FROM:	WAYNE PRICE		·
DATE:	8/24/04		
PAGES:			
SUBJECT:	VIOLATION 15	PERMIT	CONDITIONS
	.,		

IF YOU HAVE TROUBLE RECEIVING THIS FAX, PLEASE CALL THE OFFICE NUMBER ABOVE.

Price, Wayne

From:

Price, Wayne

Sent:

Monday, August 23, 2004 5:07 PM

To:

Piter Bergstein (E-mail); Eddie Seay (E-mail) Williams, Chris; Sheeley, Paul; Johnson, Larry

Cc: Subject:

Salty Dog Brine Station BW-008 Notice of Violation of Permit Conditions

Please find enclosed a copy of OCD's inspection report and photos. Salty Dog has 10 days to correct these violations. Please provide proof of correction.







Aug 19 04 inspection.jpg DCP02198.JPG

DCP02203.JPG



Sincerely:

Wayne Price New Mexico Oil Conservation Division 1220 S. Saint Francis Drive Santa Fe, NM 87505 505-476-3487

fax: 505-476-3462

E-mail: WPRICE@state.nm.us

SALTY DOG P.O. BOX 2724 LUBBOCK, TX 79408

February 13, 2004

Wayne Price New Mexico Energy, Minerals and Natural Resources Dept. 1220 South St. Francis Drive Santa Fe, NM 87505

RE: Salty Dog Brine Station

Dear Mr. Price,

We have enclosed the analytical results from the water supply well located 115 ft. down gradiant of the brine pond.

We also checked the monitor well West of the brine pond and found no evidence of leaked fluid.

Hope this meets your approval.

Sincerely,

Pieter Bergstein

February 10, 2004

Mr. Wayne Price New Mexico Oil Conservation Division Environmental Bureau 1220 South St. Francis Drive Santa Fe, New Mexico 87505 Via Certified Mail



RE:

Discontinuance of Consulting Services

Salty Dog Brine Pond Leak Site Lea County, New Mexico

Mr. Price:

Environmental Technology Group, Inc. (ETGI) is contacting you at this time to inform you that as of Thursday, January 15, 2004 we will no longer be providing environmental consulting services at the above referenced facility.

If you have any questions, please contact me at 505-397-4882.

Thank you.

Sincerely,

ENVIRONMENTAL TECHNOLOGY GROUP, INC

Robert B. Eidson

Geologist / Senior Project Manager

cc: Hobbs Project File













PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR

SALTY DOG

ATTN: TERRY WALLACE

P.O. BOX 513

HOBBS, NM 88241

FAX TO: (505) 393-8353

Receiving Date: 01/28/04

Reporting Date: 01/28/04

Project Number: NOT GIVEN Project Name: NOT GIVEN

Project Location: NOT GIVEN

Analysis Date: 01/28/04

Sampling Date: 01/28/04

Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT

Sample Received By: GP

Analyzed By: AH

LAB NUMBER SAMPLE ID CIT (mg/L)

H8414-1	MAIN WATER WELL	856
•		
Quality Control		1000
True Value QC		1000
% Recovery		100
Relative Percent Diff	erence	1.0

METHOD: Standard Methods 4500-Cl'B

Jay Hill ghemist

1128104 Date SALTY DOG P.O. Box 2724 Lubbock, TX 79408 RECEIVED

FEB 2 /////

Oil Conservation Division 1220 S. St. Francis Drive Santa Fe, NM 87505

January 30, 2004

Wayne Price New Mexico Energy, Minerals and Natural Resources Department 1220 South St. Francis Drive Santa Fe, NM 87505

RE: Salty Dog Brine Station Progress Report

Dear Mr. Price,

We would like to update you on our current progress.

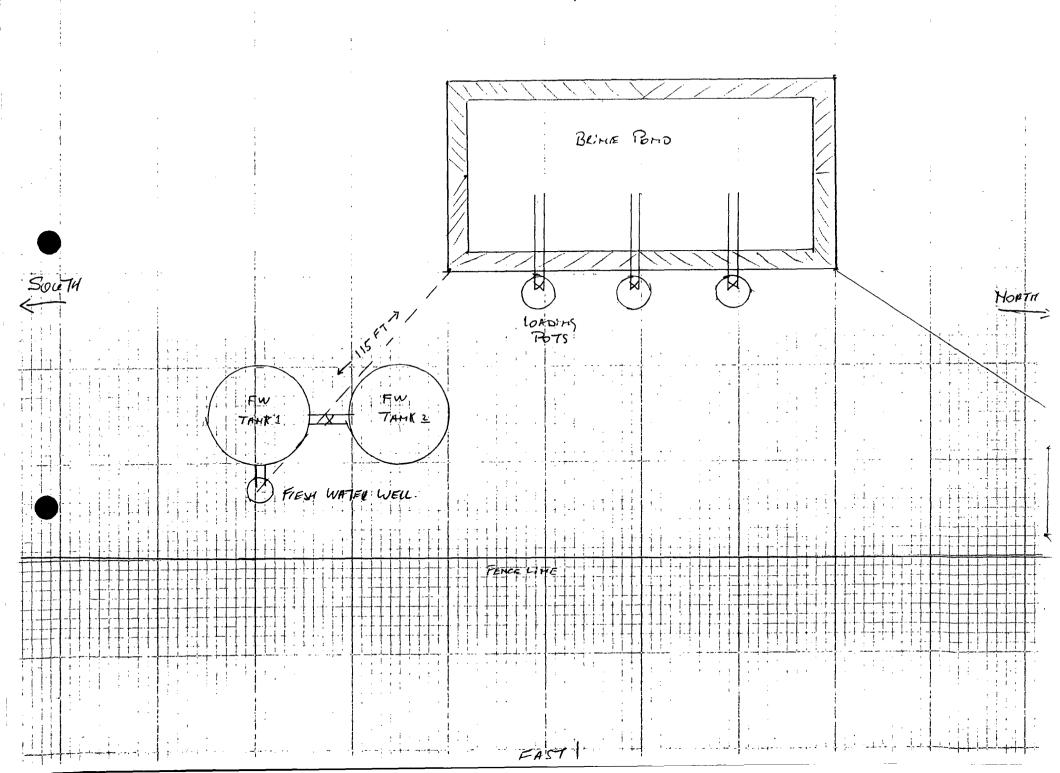
- 1. Request for loading sumps which have now been installed at each of the 3 loading stations trapping and collecting all spilled fluids from loading brine and unhooking hose connections.
- 2. To date we have installed 3 monitor wells and 2 recovery wells and have pumped a total of 518,400 gallons which we have used in the make up of brine.
- 3. To date all wells are installed and samples have been taken. We have attached all analytical results from each well, and have already seen a reduction in the chloride levels detected.
- 4. You have requested a ground water monitor well by the brine pond for which at this time we request that we may use our fresh water well located at the tank about 115 ft. down gradiant from the brine pond. We are in the process of building a tap to take samples which should be finished by next week. See diagram.
- 5. It is our recommendation to continue sampling on a regular basis (60) days to

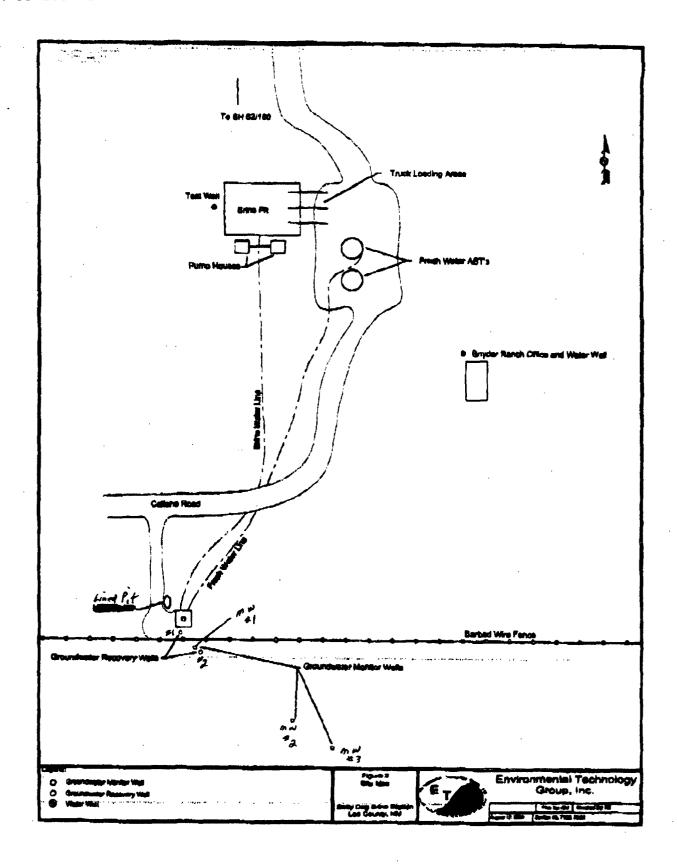
show that the 2 recovery wells are reducing the chloride levels in the affected water table. Also, we will provide you within the next 15 days an analytical result from the water well by the brine pond.

Hope this progress meets your approval so we may continue.

Sincerely,

Pieter Bergstein







PHONE (915) 873-7001 + 2111 BEECHWOOD + ABILENE, TX 79803

PHONE (505) 393-2326 - 101 E. MARLAND + HOBBS, NM 88240

ANALYTICAL RESULTS FOR

SALTY DOG

ATTN: TERRY WALLACE

P.O. BOX 513

HOBBS, NM 88241

FAX TO: (505) 393-8353

Receiving Date: 01/28/04 Reporting Date: 01/28/04 Project Number: NOT GIVEN Project Name: NOT GIVEN

Project Location: NOT GIVEN

Analysis Date: 01/28/04 Sampling Date: 01/28/04

Sample Type: GROUNDWATER Sample Condition: COOL & INTACT

Sample Received By: GP

Analyzed By: AH

LAB NUMBER	SAMPLE ID	CIT (mg/L)
H8414-3	REMEDIATED WELL #2	8997
~~~		
Quality Control		1000
True Value QC		1000
% Recovery		100
Relative Percent	Difference	1,0

METHOD; Standard Methods 4500-C[B

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tors, shall be limited to the amount paid by client for analyses.

All claims, including those for negligence and any other cause whatebever shall be dearmed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service, give a year shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidicates, affiliates or beddesore arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

99 3949 CARDINAL LAB HOBBS

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PHONE (915) 573-7001 • 2111 BEECHWOOD • ABILENE, TX 79863

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR SALTY DOG ATTN: TERRY WALLACE P.O. BOX 513 HOBBS, NM 88241 FAX TO: (505) 393-8353

Receiving Date: 01/28/04 Reporting Date: 01/28/04 Project Number: NOT GIVEN Project Name: NOT GIVEN

Project Location: NOT GIVEN

Analysis Date: 01/28/04 Sampling Date: 01/28/04

Sample Type: GROUNDWATER Sample Condition: COOL & INTACT

Sample Received By: GP

Analyzed By: AH

SAMPLE ID	AB NUMBER	CI  (mg/L)
REMEDIATED WELL #1	18414-2	432

Quality Control	1000
True Value QC	1000
% Recovery	100
Relative Percent Difference	1.0

METHOD: Standard Methods	4500-CIB

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PHONE (916) 573-7001 · 2111 BEECHWOOD · ABILENE, TX 78603

PHONE (505) 393-2326 - 101 E. MARLAND - HOBBS, NM 88240

ANALYTICAL RESULTS FOR SALTY DOG ATTN: TERRY WALLACE P.O. BOX 513 HOBBS, NM 88241 FAX TO: (505) 393-8353

Receiving Date: 01/28/04 Reporting Date: 01/28/04 Project Number: NOT GIVEN Project Name: NOT GIVEN Project Location: NOT GIVEN Analysis Date: 01/28/04 Sampling Date: 01/28/04

Sample Type: GROUNDWATER Sample Condition: COOL & INTACT

Sample Received By: GP

Analyzed By: AH

LAB NUMBER	SAMPLE ID	Ci  (mg/L)
H8414-4	MW #1	4799
Overlity Combat		
Quality Control		1000
True Value QC		1000
% Recovery		100
Relative Percent I	Difference	1.0
ETHOD: Standard	Methods	4500-CFB

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or ton, shall be limited to the amount paid by client for analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed weived unless made in writing and receiven by Cardinal within fairly (30) days after completion of the applicable service, drung apply shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or tose of profits incurred by client, its substitution, business interruptions, loss of use, or tose of profits incurred by client, its substitution, business interruptions, loss of use, or tose of profits incurred by client, its substitution, business interruptions, loss of use, or tose of profits incurred by client, its substitution, business interruptions, loss of use, or tose of profits incurred by client, its substitution of the applicable services between the substitution of the applicable services are substituted by the substitution of the applicable services are substituted by the substitution of the applicable services are substituted by the substitution of the applicable services are substituted by the substitution of the applicable services are substituted by the substitution of the applicable services are substituted by the substitution of the applicable services are substituted by the substitution of the applicable services are substituted by the substitution of the applicable services are substituted by the substitution of the applicable services are substituted by the substitution of the applicable services are substituted by the substitution of the applicable services are substituted by the substitution of the applicable services are substituted by the substituted by the substituted by the substituted by the substitution of the applicable services are substituted by the substitution of the applicable services are substituted by the substituti



PHONE (815) 873-7001 · 2111 BEECHWOOD · ABILENE, TX 79603

PHONE (605) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR

SALTY DOG

ATTN: TERRY WALLACE

P.O. BOX 513

HOBBS, NM 88241

FAX TO: (505) 393-8353

Receiving Date: 01/28/04
Reporting Date: 01/28/04
Project Number: NOT GIVEN
Project Name: NOT GIVEN

Project Location: NOT GIVEN

Analysis Date: 01/28/04 Sampling Date: 01/28/04

Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT

Sample Received By: GP

Analyzed By: AH

LAB NUMBER	SAMPLE ID	CI
H8414-5	MW #2	352
Quality Control		1000
True Value QC		1000
% Recovery	**************************************	100
Relative Percent Di	fference	1.0
METHOD: Standard I	Methods	4500-CI ⁻ B

Date

9272868909

PLEASE NOTE: Liability and Damages. Cardinal's liability and clent's exclusive remady for any claim sitting, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be desired unless made in writing and received by Cardinal which thirty (90) days after completion of the applicable service, type gyent shall Cardinal be liable for incidental or consequential damages, including, without similation, outliness interruptions, tops of use, or loss of profile incurred by client, its authorities, affiliates of successors arising out of or related to the performance of services networker, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

CARDINAL LAB HOBBS

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PHONE (915) 673-7001 · 2111 BEECHWOOD · ABILENE, TX 78603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL.RESULTS FOR SALTY DOG

ATTN: TERRY WALLACE

P.O. BOX 513 HOBBS, NM 88241 FAX TO: (505) 393-8353

Receiving Date: 01/28/04 Reporting Date: 01/28/04 Project Number: NOT GIVEN Project Name: NOT GIVEN Project Location: NOT GIVEN

Analysis Date: 01/28/04 Sampling Date: 01/28/04

Sample Type: GROUNDWATER Sample Condition: COOL & INTACT

Sample Received By: GP

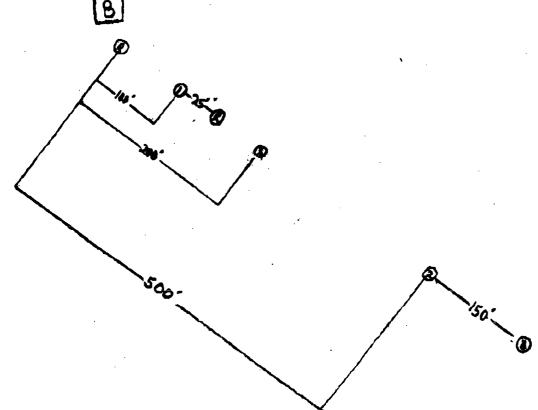
Analyzed By: AH

LAB NUMBER	SAMPLE ID	CI [—] (mg/L)
H8414-6	MW #3	360
Quality Control		1000
True Value QC		1000
% Recovery		100
Relative Percent D	ifference	1.0
ETHOD: Standard	Methods	4500-CFB

PLEASE NOTE: Liability and Damages. Cardinal's tability and client's exclusive remedy for any claim arising, whether based in contract or ton, shall be limited to the amount paid by client for enalyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service, from exert shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or softeness arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

(2)

**B** 



- B Brine Well
- ® Recovery wells
- 1 Meniter Well #1
- & Test Borings
- B Monitor Well #2
- @ Water Wells



# NEW MEXICO ENERGY, MIDERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON** 

Governor
Joanna Prukop
Cabinet Secretary

October 2, 2003

Lori Wrotenbery
Director
Oil Conservation Division

# CERTIFIED MAIL RETURN RECEIPT NO. 3929 9932

Mr. Piter Bergstein Salty Dog Inc. P.O. Box 2724 Lubbock, Texas 79408

Subject: Remedial actions to be taken in response to the Notice of Violation

Re:

Discharge Plan BW-008

Salty Dog Inc. Brine Station

Dear Mr. Bergstein:

New Mexico Oil Conservation Division (NMOCD) is in receipt of the work plan outlining remedial actions to be taken in response to the Notice of Violation issued to Salty Dog Inc. July 08, 2003. The plan is hereby approved with the following conditions:

- 1. Provide a drawing of the loading/unloading sumps for OCD approval by October 15, 2003.
- 2. The two recovery wells shall be in operation by no later than November 15, 2003. All recovery water shall be metered and recorded.
- 3. All plume delineation wells shall be installed and completed pursuant to OCD previously approved methods. Wells shall be designed and installed to compensate for density gradient effects, if any. Samples shall be collected, analyzed and submitted to OCD by February 01, 2004.
- 4. A groundwater monitor well shall be installed in close proximity and on the down-gradient side of the brine pond. This plan shall be submitted for OCD approval in the February 01, 2004 report.
- 5. A progress report shall be submitted by February 01, 2004 with all data collected, conclusions and recommendations.

Mr. Piter Bergstein October 02, 2003 Page 2

Please be advised that NMOCD approval of this plan does not relieve Salty Dog Inc. of liability should their operations fail to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD approval does not relieve Salty Dog Inc. of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Failure to abide by the proposed plan and these requirements will result in a compliance order being issued to Salty Dog Inc. requiring actions to be taken including civil penalties as allowed by the New Mexico WQCC regulations. If you have any questions please do not hesitate to contact me within 30 days at 505-476-3487 or e-mail <a href="https://www.wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.org/wprice.or

Sincerely;

Wayne Price-Pet. Engr. Spec.

cc: OCD Hobbs Office

August 14, 2003



# RECEIVED

Mr. Wayne Price New Mexico Oil Conservation Division 1220 South St. Francis Santa Fe, NM 87505 AUG 1 8 2003

OIL CONSERVATION DIVISION

RE:

Salty Dog Brine Station Discharge Plan: BW-008

ETGI Project Number: SB 2100

Dear Mr. Price:

A signed work plan outlining proposed remedial actions in response to the Notice of Violation dated July 8, 2003 is enclosed. If you have any questions or if additional information is needed, please contact Robert B. Eidson at the numbers below.

Sincerely,

ENVIRONMENTAL TECHNOLOGY GROUP, INC.

Robert B. Eidson Geologist / Senior Project Manager (505) 397-4882 office (505) 631-2974 cell

(505) 631-2974 cell reidson@etgi.cc

Attachments: Work Plan

cc: Hobbs project file

Midland project file



# WORK PLAN RESPONSE TO NOTICE OF VIOLATION JULY 08, 2003

Zia Transportation
Salty Dog Brine Station
Discharge Plan BW-008
Lea County, New Mexico
Section 05, Township 19 South, Range 36 East

Prepared for:

Mr. Piter Bergstein Salty Dog, Inc. P.O. Box 2724 Lubbock, Texas 79408

ETGI Project No. SR 2100

Prepared by:

Environmental Technology Group, Inc. 2540 West Marland Street Hobbs, NM 88240

August 2003

#### 1.0 Introduction

On behalf of Salty Dog, Inc., Environmental Technology Group, Inc. (ETGI) has prepared this Work Plan in response to the Notice of Violation (NOV) from the New Mexico Oil Conservation Division (NMOCD), dated July 08, 2003, concerning Discharge Plan BW-008, Salty Dog Brine Station. The facility is located in Section 05, Township 19 South, Range 36 East, rural Lea County, New Mexico. For reference, a site location map and a site plan are included as Figures 1 and 2, respectively. The purpose of this work plan is to outline the proposed response to conditions considered to be in violation listed in the above referenced NOV.

The facility is a brine water processing station consisting of one fresh water well, one brine well, one brine pit, three truck loading positions and two 1,000-barrel fresh water above ground storage tanks (AST).

## 2.0 Scope of Work

According to item one in the NOV, referencing a violation of discharge plan condition #21, Spill Reporting. The AST that was discharging water onto the ground has been permanently removed from the site. Soil samples will be collected from the location of the former AST in two positions at depths of four and eight feet below ground surface (bgs) utilizing a hand auger and submitted for laboratory analysis for chloride concentrations. Soil samples will also be collected from the area adjacent to the southern edge of the playa and from within the playa and analyzed for chlorides. All soil samples will be collected and analyzed according to the methods listed in Section 4.1 Soil Sampling, below.

Referencing item two in the NOV, a violation of discharge plan condition #16 Below Grade Tanks/Sumps/Pits. The unpermitted pit was excavated coinciding with brine well work over activities conducted in August 1999. The pit is not utilized in the day-to-day operations of the facility and will be closed following the Unlined Surface Impoundment Closure Guidelines dated February 1993, New Mexico Energy, Minerals and Natural Resources Department.

Referencing item three in the NOV, a violation of discharge plan condition #26 Groundwater Contamination. Existing groundwater monitor wells, recovery wells and water wells on-site will be sampled and analyzed for General Chemistry and Water Quality Control Commission (WQCC) Metals concentrations utilizing the methods listed in Section 4.2 Groundwater Sampling below. Analysis of the groundwater sampling results will be used to design the well field configuration necessary for plume delineation activities at the site. The precise number of additional wells installed will be determined by the results of the field investigation conducted for plume delineation purposes. Following completion of plume delineation action, groundwater recovery wells will be installed in locations designed to achieve hydraulic control of the plume and in areas of the highest chloride concentrations.

Referencing item four in the NOV, a violation of discharge plan condition #21 Process Areas. Below grade sumps will be constructed using 500-gallon poly-tanks surrounded by a sand layer sealed on the surface by a concrete pad with berms and installed in each of the three truck

### 8.0 References

Guidelines for Remediation of Leaks, Spills and Releases; August 1993 (NMOCD, 1993);

Title 19; New Mexico Administrative Code (NMAC) 15.A.19;

Title 20; NMAC 6.2.3104;

<u>Practical Techniques for Groundwater and Soil Remediation;</u> Evan K. Nyer, CRC Press, 1993; and;

Remediation of Petroleum Contaminated Soils; Eve-Riser-Roberts, Lewis Publishers, CRC Press, 1998.

Mr. Terry Wallace Operations Manager Salty Dog, Inc. Chance I. Johnson

New Mexico Regional Manager

Environmental Technology Group, Inc.

RECEIVED

JAN 0 3 2003

Environmental Bureau
Oil Conservation Division

December 18, 2002

NMOCD Environmental ATTN: Wayne Price Box 6429 1220 S. Saint Francis Drive Santa Fe, NM 87504

RE: Salty Dog Brine

Mr. Price:

As required, Zia, Salty Dog Brine, has inspected the leak detection monitor well at its brine pit. The inspection hole was dry and contained no fluid. Now that it has been brought to our attention, we will inspect this on regular schedule.

Thanks for your help.

Sincerely,

Eddie W. Seay, Agent

601 W. Illinois

Hobbs, NM 88242

(505)392-2236



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11 Aberdeen Avenue, Ste. 9 Lubbock, Texas 79424 Tel (806) 794-1296 Fax (806) 794-1298

### TraceAnalysis, Inc.

155 McCutcheon, Suite H El Paso, Texas 79932 Tel (915) 585-3443 Fax (915) 585-4944 1 (888) 588-3443

#### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Pageof
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6701 Aberdeen Avenue, Ste. 9 Lubbock, Texas 79424 Tel (806) 794-1296 Fax (806) 794-1298 1 (800) 378-1296

Company Name:

Contact Person:

Project Location:

(If different from above)

Address:

Invoice to:

Project #:

LAB#

LAB USE

ONLY

Relinquished by:

Relinquished by: 1

Relinquished by:

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C.

4725 Ripley Dr., Ste A CHAIN-OF-CLISTODY AND ANALYSIS REQUEST El Paso. Texas 79922-1028 TraceAnalysis, Inc. Tel (915) 585-3443 Fax (915) 585-4944 LAB Order ID # 1 (888) 588-3443 Phone #: **ANALYSIS REQUEST** (Circle or Specify Method No.) (Street, City, Zip) Fax #: Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7 TCLP Metals Ag As Ba Cd Cr Pb Se Hg Turn Around Time if different from standard Project Name: Sampler Signature: Pesticides 8081A/608 **PRESERVATIVE** rcLP Semi Volatiles MATRIX SAMPLING CONTAINERS /olume/Amount TPH 418.1/TX1005 **METHOD** TCLP Pesticides PCB's 8082/608 FIELD CODE SLUDGE WATER HNO3 NONE SOIL AIR 띵 Date: Received by: REMARKS: Time: Time: **LAB USE ONLY** Received by: Date: Date: Time: Headspace Y / N Time: Received at Laboratory by: Date: Time: Date: Log-in Review_

CHART COPY

Carrier #



6701 Aberdeen Avenue, Suite 9 155 McCutcheon, Suite H

Lubbock, Texas 79424 El Paso, Texas 79932 888 • 588 • 3443

Off Consequences Division

915 • 585 • 3443

E-Mail: lab@traceanalysis.com

FAX 915 • 585 • 4944

Bill To:

OCD

1220 S. Saint Francis Dr. Santa Fe, NM 87505

Attn:

Wayne Price

Invoice # Environmental Bureau

56171

Invoice Date:

Dec 13, 2002

Order ID:

A02111526

Project #:

Zia Brine Station

Project Name:

Salty Dog

P. A. Number:

20-521-07-02497

**Project Location:** 

Salty Dog Brine Station

Test	Quantity	Matrix	Description	Price	SubTotal
TPH DRO	1	Soil	213789 - 213789	\$40.00	\$40.00
Cations	4	Water	213603 - 213606	\$120.00	\$480.00
Cations	1	Soil	213607 - 213607	\$130.00	\$130.00
BTEX/TPH GRO	1	Soil	213789 - 213789	\$60.00	\$60.00
Payment Tern	ns: Net 30 Days			Total	\$710.00

Director, Dr. Blair Leftwich

ox Ways 1/2/23

6701 Aberdeen Ave., Suite 9

Lubbock, TX 79424-1515

(806) 794-1296

Report Date: December 12, 2002Order Number: A02111526

Zia Brine Station

Salty Dog

Page Number: 1 of 3 Salty Dog Brine Station

#### **Summary Report**

Paul Sheeley

OCD Hobbs Office 1625 N. French Drive Report Date:

December 12, 2002

1625 N. French Dr Hobbs, NM 88240		È.	JAN O ENED	Order ID Number:	A02111526
Project Number: Project Name: Project Location:	Zia Brine Station Salty Dog Salty Dog Brine Station	911 Ĝ	Myonmental Bureau Dete		
			Date	Time	Date
Sample	Description	Matrix	Taken	Taken	Received
213603	0211141118	Water	11/14/02	11:18	11/15/02
213604	0211141120	Water	11/14/02	11:20	11/15/02
213605	0211141128	Water	11/14/02	11:28	11/15/02
213606	0211141131	Water	11/14/02	11:31	11/15/02

0 This report consists of a total of 3 page(s) and is intended only as a summary of results for the sample(s) listed above.

Sample: 213603 - 0211141118

Param	Flag	Result	Units
Hydroxide Alkalinity		<1.0	mg/L as CaCo3
Carbonate Alkalinity	•	<1.0	mg/L as CaCo3
Bicarbonate Alkalinity	•	102	mg/L as CaCo3
Total Alkalinity		102	mg/L as CaCo3
Specific Conductance	:	64600	$\mu { m MHOS/cm}$
Chloride		33500	${ m mg/L}$
Fluoride		<10	mg/L
Nitrate-N		<10	mg/L
Sulfate		6250	${ m mg/L}$
Dissolved Calcium		1440	mg/L
Dissolved Magnesium		52.4	$\mathrm{mg/L}$
Dissolved Potassium	,	68.8	mg/L
Dissolved Sodium		19900	$\mathrm{mg}/\mathrm{L}$
Total Dissolved Solids		66900	mg/L
рН	1	7.9	s.u.

Sample: 213604 - 0211141120

Bampic: 210004 - 021114.			
Param	Flag	Result	Units
Hydroxide Alkalinity		<1.0	mg/L as CaCo3
Carbonate Alkalinity		<1.0	mg/L as CaCo3
Bicarbonate Alkalinity		132	mg/L as CaCo3

Continued on next page ...

¹The sample was received out of holding time

6701 Aberdeen Ave., Suite 9

Lubbock, TX 79424-1515

(806) 794-1296

Report Date: December 12, 2002Order Number: A02111526 Zia Brine Station

Salty Dog

Page Number: 2 of 3 Salty Dog Brine Station

Sample 213604 continued ...

Param	Flag	Result	Units
Total Alkalinity		132	mg/L as CaCo3
Specific Conductance		89100	$\mu \mathrm{MHOS/cm}$
Chloride		59300	mg/L
Fluoride	RECEIVED	<10	${ m mg/L}$
Nitrate-N	-IVED	<10	${ m mg/L}$
Sulfate	Environ 3 2003	5080	mg/L
Dissolved Calcium	Environmental Bureau Oil Conservation D	1140	mg/L
Dissolved Magnesium	Oil Conservation Division	101	mg/L
Dissolved Potassium	Conservation Dureau	120	mg/L
Dissolved Sodium	Divisior,	35800	mg/L
Total Dissolved Solids		105200	mg/L
pH	2	7.4	s.u.

Sample: 213605 - 0211141128

Param	Flag	Result	Units
Hydroxide Alkalinity		<1.0	mg/L as CaCo3
Carbonate Alkalinity	•	<1.0	mg/L as CaCo3
Bicarbonate Alkalinity		48	mg/L as CaCo3
Total Alkalinity	•	48	mg/L as CaCo3
Specific Conductance		53600	$\mu MHOS/cm$
Chloride		24400	mg/L
Fluoride		<10	mg/L
Nitrate-N		<10	mg/L
Sulfate	er en	4100	${ m mg/L}$
Dissolved Calcium	•	1480	mg/L
Dissolved Magnesium		54.4	mg/L
Dissolved Potassium		< 50	mg/L
Dissolved Sodium		13700	mg/L
Total Dissolved Solids	and the second second	48200	mg/L
pН	and the second s	8.2	s.u.

Sample: 213606 - 0211141131

Sample: 213000 - 021114	1191		•
Param	$\mathbf{Flag}$	Result	Units
Hydroxide Alkalinity		<1.0	mg/L as CaCo3
Carbonate Alkalinity		<1.0	mg/L as CaCo3
Bicarbonate Alkalinity		42	mg/L as CaCo3
Total Alkalinity		42	mg/L as CaCo3
Specific Conductance	•	41100	$\mu$ MHOS/cm
Chloride		16500 —	mg/L
Fluoride		<10	${ m mg/L}$
Nitrate-N	•	<10	mg/L
Sulfate		3310	mg/L

Continued on next page ...

²The sample was received out of holding time ³The sample was received out of holding time

6701 Aberdeen Ave., Suite 9

Lubbock, TX 79424-1515

(806) 794-1296

Report Date: December 12, 2002Order Number: A02111526

Zia Brine Station

Salty Dog

Page Number: 3 of 3 Salty Dog Brine Station

Sample 213606 continued ...

Param	Flag	5	Result	Units
Dissolved Calcium			13100	mg/L
Dissolved Magnesium			< 50	mg/L
Dissolved Potassium			<50	mg/L
Dissolved Sodium		4	91300	mg/L
Total Dissolved Solids	•		35200	mg/L
pН	4	٠	8.9	s.u.

RECEIVED

JAN 0 3 2003

Oil Conservation Division

⁴The sample was received out of holding time

6701 Aberdeen Ave., Suite 9

Lubbock, TX 79424-1515

(806) 794-1296

Report Date: December 13, 2002Order Number: A02111526

Zia Brine Station

Salty Dog

Page Number: 1 of 1 Salty Dog Brine Station

#### **Summary Report**

Paul Sheeley

OCD Hobbs Office

1625 N. French Drive

Hobbs, NM 88240

Zia Brine Station

Project Name:

Project Location: Salty Dog Brine Station

Report Date:

December 13, 2002

Order ID Number: A02111526

Environmental Bureau Oil Conservation Division Project Number: Salty Dog

			Date	Time	Date
Sample	Description	Matrix	Taken	Taken	Received
213607	0211141323	Soil	11/14/02	13:23	11/15/02
213789	0211141325	Soil	11/14/02	13:25	11/15/02

0 This report consists of a total of 1 page(s) and is intended only as a summary of results for the sample(s) listed above.

			BTEX			TPH DRO	TPH GRO
ļ	Benzene	Toluene	Ethylbenzene	M,P,O-Xylene	Total BTEX	DRO	GRO
Sample - Field Code	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
213607 - 0211141323	< 0.010	0.0144	< 0.010	0.0643	0.0787	-	-
213789 - 0211141325	< 0.010	0.081	0.044	0.256	0.381	8120	3.53

Sample: 213607 - 0211141323

Param	Flag	Result	Units
Hydroxide Alkalinity		<1.0	mg/Kg as CaCo3
Carbonate Alkalinity		<1.0	mg/Kg as CaCo3
Bicarbonate Alkalinity		72	mg/Kg as CaCo3
Total Alkalinity		72	mg/Kg as CaCo3
Specific Conductance		50600	$\mu$ MHOS/cm
Chloride		27900	mg/Kg
Fluoride		< 2	mg/Kg
Nitrate-N		7.26	mg/Kg
Sulfate		3740	mg/Kg
Total Calcium		45200	mg/Kg
Total Magnesium		2100	mg/Kg
Total Potassium		2150	mg/Kg
Total Sodium		21600	mg/Kg
рН		7.7	s.u.

213603-07, 2	21378
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Pageof	_
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6701 Aberdeen Avenue, Ste.
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298

155 McCutcheon, Suite H El Paso, Texas 79932 Tel (915) 585-3443 Fax (915) 585-4944 1 (888) 588-3443

CHAIN-OF-CUSTODY	AND	ANAI VSIS	REQUEST

LAB Order ID # ADQIII526

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Project #:	Zia Brine Station					Proje	ct Na	me:	5	al	ty	C	209					Pb Se Hg 6010B/200.7	Pb Se								0	3,4	2	from st	
Project Locat	om above) 1220 S. St Zia Brine Station ion: Salty Dog Bri	ùe	Sta	tin	1	Samp	ler S	igna	ture	al	U	Un	ly					Ö B	S				4	70C/62			No	Chemistry-		fferent	
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	ORIGINAL COPY																														

From:

Price, Wayne

Sent:

Thursday, October 31, 2002 1:37 PM

To:

'seay04@leaco.net'; 'pabpayton@aol.com'

Cc:

Sheeley, Paul; Johnson, Larry

Subject:

Zia Salty Dog Brine well

**Contacts:** 

**Eddie Seay** 

Dear Mr. Seay:

The OCD is in receipt of the Groundwater Remediation report dated September 2002. Please note action item # 7 of OCD's letter dated April 08, 2002. Please address this issue within 30 days. Please install a minimum of three addition monitor wells. One well shall be located in line and directly down gradient of the existing wells. The other two wells shall be located to the south and east of the existing MW#3.

Sincerely:

Wayne Price

New Mexico Oil Conservation Division

1220 S. Saint Francis Drive

Santa Fe, NM 87505

Jupe Pin

505-476-3487

fax:

505-476-3462

E-mail: WPRICE@state.nm.us

NMOCD Environmental ATTN: Wayne Price Box 6429 1220 S. Saint Francis Drive Santa Fe, NM 87504

RE: Zia Transportation, Salty Dog

Mr. Price:

Find within quarterly analytical from Zia, Salty Dog remediation project. It appears the chlorides are continuing to drop.

The WW sample was taken from the water storage and not the well, this was for Zia's information.

If you have any questions or need anything else, please call.

Sincerely,

Eddie W. Seay, Agent

Eddie W.Se

601 W. Illinois

Hobbs, NM 88242

(505)392-2236



† Cardinal cannot accept verbal changes. Please fax written changes to (915) 673-7020.

#### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Project Manager: Terry Wa/lac @ P.O. #:  Address: Po 80°7 513		(915) 673-7001	1 Fax (915) 673-702	0 (6	05	393-2	326	Fax (	(505	38 (1	3-2	476									Page_	<del>^</del> 01_	
Project Fame:  Project Manne:	Company Name:	Salty Dog,															,,,,,	ANA	YSIS	REQ	JEST		
Address: Po 8gy 5/3  City: Mobbs  State: Nm 2ip: 8804// Project S  Project Owner:  State: Nm 2ip: 8804// Project Owner:  Project Owner:  State: Nm 2ip: 8804// Project Owner:  State: Nm 2ip: 8804// Project Owner:  Project Owner:  State: Nm 2ip: 8804// Project Owner:  Sample I.D.  Sample I.	Project Manager:	Terry Wallac	: e							P.O.	. <b>#</b> :												1
Project Name:  Project Name:  Project Location:  Phone 9: 39 - 835 2  Fax 9: 39 / 973-  MATRIX  PRESERV. SAMIFUNO  BATRIX  PRESERV. SAMIFUNO  AND BATRIX  PRESERV. SAMIFUNO  DATE  TIME  Lab I.D.  Sample I.D.  Sampl	Address: Po	BOX 513								Соп	npa	ny:	5	2/44,0	09	İ	l	į	1	ļ	l		ļ
Project Name:  Project Name:  Project Location:  Phone 9: 39 - 835 2  Fax 9: 39 / 973-  MATRIX  PRESERV. SAMIFUNO  BATRIX  PRESERV. SAMIFUNO  AND BATRIX  PRESERV. SAMIFUNO  DATE  TIME  Lab I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sample I.D.  Sampl	City: 1666	<u>s</u>	State: Nm	Zip:	8	824	<u> </u>	_	_ }	Attn	); <u> </u>	10.	<u>~</u>	y Wall	ace		l						1
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Sampler Relinquished:    Date: 7-8-02   Received By:   Phone Result:   Yes   No     Fax Result:   Yes   No     Fax Result:   Yes   No     Relinquished By: (Circle One)   Sample Condition   Checked     Time:   Temple Condition   Checked     ecked     Temple Condition   Checked   Checked   Checked   Checked   C	service. In no event shall Cardin	f he lable for incidental or consequental desingue	, including without limitation, busine	es (nterru	ومظام	, boss of use	, er bet	of prof	tu keu	rred by	y diam	L 🏞 👊	beidieri	ies,		and	all costs of	collections,	including a	ttomey's to	65.	-	
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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR

SALTY DOG

ATTN: TERRY WALLACE

P.O. BOX 513

HOBBS, NM 88241

FAX TO: (505) 391-9732

Receiving Date: 07/08/02 Reporting Date: 07/09/02

Project Number: NOT GIVEN
Project Name: NOT GIVEN

Project Location: NOT GIVEN

Analysis Date: 07/09/02

Sampling Date: 07/08/02

Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT

Sample Received By: AH-

Analyzed By: AH

LAB NUMBER SAMPLE ID CIT (mg/L)

H6864-1	MONITOR WELL 1	12596							
H6864-2	490								
H6864-3	8997								
H6864-4	H6864-4 WW BY PIT FRONT								
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Quality Contro		1000							
True Value QC		1000							
% Recovery	100								
Relative Perce	4.0								

METHOD: Standard Methods 4500-CIB

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# NEW MEXICO ENERGY, MENERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor

Betty Rivera

Cabinet Secretary

April 08, 2002

Lori Wrotenbery
Director
Oil Conservation Division

### CERTIFIED MAIL RETURN RECEIPT NO. 7923 4207

Mr. Piter Bergstein Salty Dog Inc. P.O. Box 2724 Lubbock, Texas 79408

Re:

Groundwater Contamination Investigation & Remediation

Salty Dog Inc. Water Station Discharge Plan BW-008

Dear Mr. Bergstein:

The New Mexico Oil Conservation Division (OCD) is in receipt of the Salty Dog Inc.'s investigation and remediation plan dated October 04, 2001 submitted by Eddie W. Seay, Agent. The plan is hereby approved and OCD requires Salty Dog Inc. to complete the following actions:

- 1. Install a sufficient number of monitor wells to properly define the site-specific groundwater flow gradient(s) and the extent of contamination from the source area. All exploratory groundwater bore holes shall be developed and remain open for a minimum of 24 hours and then purged five (5) well bore volumes of groundwater before collecting samples.
- 2. Install a sufficient number of recovery well(s) or propose alternate methods to prevent contamination migration.
- 3. All new bore holes, monitor and recovery well(s) on site shall be sampled and analyzed for General Chemistry and WQCC metals.
- 4. Salty Dog Inc. shall have the option to plug the exploratory bore hole(s) with cement grout or complete as a monitor/recovery well. If bore hole(s) are complete as monitor/recovery well(s) then they must be completed pursuant to OCD standards.

- 5. Salty Dog Inc. will notify the OCD Santa Fe office and the OCD District office at least 72 hours in advance of all scheduled activities such that the OCD has the opportunity to witness the events and/or split samples during OCD's normal business hours.
- 6. Salty Dog Inc. shall submit the results of the investigation and remediation efforts to the OCD Santa Fe Office by July 15, 2002 with a copy provided to the OCD Hobbs District Office and shall include the following investigative information:
  - a. A description of all investigation, remediation and monitoring activities which have occurred including conclusions and recommendations.
  - b. A geologic/lithologic log and well completion diagram for each monitor well.
  - c. A water table potentiometric map showing the location of the leaks and spills, excavated areas, monitor wells, and any other pertinent site features as well as the direction and magnitude of the hydraulic gradient.
  - d. Isopleth maps for contaminants of concern which were observed during the investigations.
  - e. Summary tables of all ground water quality sampling results and copies of all laboratory analytical data sheets and associated QA/QC data taken within the past year.
  - f. The quantity and disposition of all recovered product and/or wastes generated.
- 7. Future contamination found beyond the most down gradient recovery system that exceeds the Water Quality Control Commission Regulation (WQCC) groundwater standards shall require immediate corrective action. Salty Dog Inc. shall submit a corrective action plan within 30 days of discovery.

Please be advised that NMOCD approval of this plan does not relieve Salty Dog Inc. of liability should their operations fail to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD approval does not relieve Salty Dog Inc. of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Mr. Piter Bergstein April 08, 2002 Page 3

Salty Dog Inc. committed in the discharge plan submittal dated 9/1/99 to investigating and remediating the groundwater contamination. Failure to abide by that commitment and past requirements, including requirements herein may result in OCD issuing Salty Dog Inc. a notice of violation for non-compliance of the Discharge Plan BW-008.

Sincerely;

Wayne Price-Pet. Engr. Spec.

Wagno Price

cc: OCD Hobbs Office Mr. Eddie W. Seay

c.

OIL CONSERVATION DIV.

October 22, 2001

NMOCD Environmental Bureau ATTN: Wayne Price P.O. Box 6429 1220 S. Saint Francis Drive Santa Fe, NM 87504

RE: Salty Dog Remediation Site

Mr. Price:

Within is the analytical from the sampling of the monitor wells and test well at Salty Dog brine. Salty Dog has extracted several thousand barrels of brine water from the recovery well and in comparing the analytical with the May report, the chlorides have decreased significantly. By continuing to pump and monitor this system, in time we have hopes of extracting the salts from the formation. We will continue to monitor and report results.

If you have any questions, please call.

Sincerely,

Eddie W. Seay, Agent

601 W. Illinois

Hobbs, NM 88242

(505)392-2236



### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES, INC.
2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240

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	(915) 673-7001	Fax (915	i) 67	3-70	020	(50	5) 3	93.	23	26 I	- Fax	(505) 39	3-2476									Pa	ge	_ of		
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[†] Cardinal cannot accept verbal changes. Please fax written changes to 915-673-7020.

RECEIVED

OFF OF SERVICION Division

October 4, 2001

NMOCD Environmental Bureau ATTN: Wayne Price P.O. Box 6429 1220 S. Saint Francis Drive Santa Fe, NM 87504

RE: Salty Dog, Investigation Plan - BW-008

Mr. Price:

At the request of Mr. Piter Bergstein of Salty Dog, Inc., I am submitting a plan for investigation and remediation. Our plan was to give our original extraction well enough time to create a coning effect on the formation so the salts could be extracted. From review of the analytical, the pumping has lowered the chloride content but has not affected out limits of the plume. We find it necessary to do further monitor well testing and extracting. Find within our plan for further work.

Please excuse the delay in responding, and if you have any questions, please call.

Sincerely,

Eddie W. Seay, Agent

Sldi W Sean

601 W. Illinois

Hobbs, NM 88242

(505)392-2236

#### SALTY DOG INVESTIGATION PLAN

#### As per the OCD requirements:

- 1) Continue to monitor existing monitor wells and extraction well. Sample quarterly and submit results to OCD.
- 2) Continue drilling test borings southeast on 100 ft. spacing until the extent of the plume is defined.
- 3) After the extent of the plume is found, an additional extraction well be installed and piped into the system for recovery of brine.
- 4) All test and data will be sent to OCD after completion.
- 5) We will notify OCD prior to starting any activities.

#### MONITOR WELL

It is planned to drill 5 1/4" hole and run 2" pvc with .10 slot screen, develop the well with air and test the water. If the water continues to be contaminated, we will pull the 2" pvc, grout the hole and move another 100 ft. and continue this process until the plume has been defined. After the plume has been determined, the 2" will be left in place, the well will be sand packed, a bentonite cap added and grouted according to OCD specifications.

#### RECOVERY WELL

After all the data is reviewed, the placement of the additional recovery well will be determined, most likely somewhere between MW #1 and MW #2. The well will be completed similar to our first recovery well.

Drill 7 7/8" hole.

Run 5 1/2" pvc well pipe to top of redbed.

Install 20 ft. of .10 screen on bottom.

Put 20/40 sand from TD to 10 ft. above screen.

Put bentonite from top of sand pack to 20 ft. of surface.

Grout from 20 ft. to surface and pad.

Run in hole with 1 1/2" pvc and pump and begin pumping well. All fluid will be diverted through the brine system and used.

As soon as this plan is approved and we can acquire the services of a drilling rig, we will begin.

B Recovery well # Z.

Recovery well # Z.

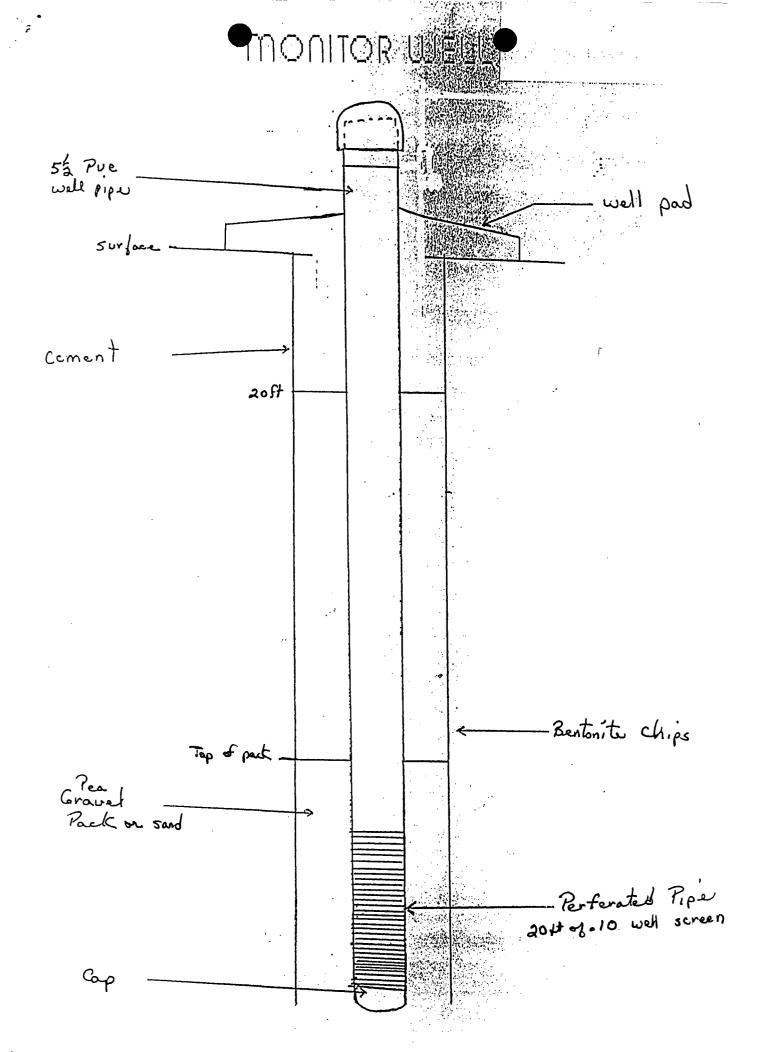
Recovery well # Z.

Recovery well # Z.

New Proposed MW # 3

- Proposed monitaring well + recovery well
- moniter wells 1+2
- · Existing recovery well
- Existing water wells

B Brine well





## NEW MEXICO ENERGY, MONERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor
Jennifer A. Salisbury
Cabinet Secretary

September 18, 2001

Lori Wrotenbery
Director
Oil Conservation Division

CERTIFIED MAIL
RETURN RECEIPT NO. 5357 7607

Mr. Piter Bergstein Salty Dog Inc. P.O. Box 2724 Lubbock, Texas 79408

Re:

Salty Dog Inc. Water Station

Discharge Plan BW-008

Groundwater Contamination Investigation and Remediation

Dear Mr. Bergstein:

The New Mexico Oil Conservation Division (OCD) sent Salty Dog Inc. a letter dated May 22, 2001 requiring investigation and remediation actions. Salty Dog Inc. has not responded to this requirement. Therefore, you are hereby ordered to submit an investigation and remediation plan for OCD approval by October 08, 2001.

Failure to comply will result in OCD issuing Salty Dog Inc. a Notice of Violation.

If you have any questions please do not hesitate to call me at 505-476-3487.

Sincerely;

Way 11

Wayne Price-Pet. Engr. Spec.

cc: OCD Hobbs Office



NMOCD Environmental Bureau ATTN: Wayne Price P.O. Box 6429 1220 S. Saint Francis Drive Santa Fe, NM 87504

RE: Salty Dog, Remediation site

Mr. Price:

Find within analytical from the sampling and testing of the wells at the Salty Dog Brine contamination site. To date we have extracted several thousand barrels of water from the recovery-remediation well. The chloride content of the wells appears to be dropping, so it appears our recovery well is serving its purpose. By continuing to monitor and pump this well, I am in hopes of having the chloride content continue to decrease.

If you have any questions, please call.

Sincerely,

Eddie W. Seay, Agent

601 W. Illinois

Hobbs, NM 88242

(505)392-2236





PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR

SALTY DOG

ATTN: TERRY WALLACE

P.O. BOX 513 HOBBS, NM 88241

FAX TO: (505) 393-1533

Receiving Date: 05/24/01

Reporting Date: 05/25/01

Project Number: NOT GIVEN Project Name: NOT GIVEN

Project Location: NOT GIVEN

Analysis Date: 05/24/01

Sampling Date: 05/23/01

Sample Type: GROUNDWATER Sample Condition: INTACT

Sample Received By: AH

Analyzed By: AH

•		CI [—]
LAB NUMBER	SAMPLE ID	(mg/L)

H5886-1	BRANCH OFFICE	43						
H5886-2	REMEDIATION WELL	15500						
H5886-3	MW 1	21400						
H5886-4	5886-4 MW 2							
Quality Contro	I	1068						
True Value QC		1000						
% Recovery	107							
Relative Perce	9.1							

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-]1	METHOD:	Standard Methods	4500-CIB

Burcell Ja Rothe Chemist

Date

H5886.XLS

#### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Interest or successors arising out of or related to the performance of services harsunder by Cardinal, regardless of whether such claim is be									sed upon any of the above stated reasons er					sult:	L) Yes	01	No	Add'l	Phone	#:						
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[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.



## NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor

Jennifer A. Salisbury

Cabinet Secretary

May 22, 2001

Lori Wrotenbery
Director
Oil Conservation Division

CERTIFIED MAIL
RETURN RECEIPT NO. 3771 7293

Mr. Piter Bergstein Salty Dog Inc. P.O. Box 2724 Lubbock, Texas 79408

Re:

Salty Dog Inc. Water Station

Discharge Plan BW-008

Groundwater Contamination Investigation

Dear Mr. Bergstein:

The New Mexico Oil Conservation Division (OCD) is in receipt of the Salty Dog Inc. Investigation plan results dated March 30, 2001 submitted by Eddie W. Seay, Agent. The OCD has reviewed the plan and hereby requires the following actions to be completed by June 29, 2001.

- 1. Install additional monitor well(s) down gradient of Monitor well #2 to determine the horizontal delineation of the salt-water plume.
- 2. Install additional recovery well(s) down gradient of the test boring.
- 3. Salty Dog Inc. will notify the OCD Santa Fe office and the OCD District office at least 72 hours in advance of all scheduled activities such that the OCD has the opportunity to witness the events and/or split samples during OCD's normal business hours.
- 4. Submit a progress report by July 31, 2001.

If you have any questions please do not hesitate to call me at 505-476-3487.

Sincerely;

Wayne Price-Pet. Engr. Spec.

Jan 1

cc:

**OCD Hobbs Office** 

From:

Price, Wayne

Sent:

Friday, February 02, 2001 3:36 PM

To:

'Pabpayton@aol.com'

Subject:

RE: Salty Dog

I received your telephone call today and understand you have gained permission to proceed. Please have the monitor wells installed, sampled and the findings sent to OCD by March 2, 2001. Failure to comply will result in a Notice of Violation.

From:

Pabpayton@aol.com[SMTP:Pabpayton@aol.com]

Sent:

Tuesday, January 30, 2001 2:29 PM

To:

WPrice@state.nm.us

Subject:

Salty Dog

Dear Mr. Price,

We have tried on serveral occasions to contact Mr. Squires without result.

Please let us know how to proceed, so we can start drilling the monitor wells as you require.

Sincerely,

Pieter Bergstein

From:

Price, Wayne

Sent:

Monday, November 06, 2000 8:59 AM

To:

'Pabpayton@aol.com'

Subject:

RE: Salty Dog 2nd Monitor Well

Your request for an extension is hereby approved. The new due date will be December 31, 2000.

From:

Pabpayton@aol.com[SMTP:Pabpayton@aol.com]

Sent:

Tuesday, October 31, 2000 1:00 PM

To:

WPrice@state.nm.us

Subject:

Salty Dog 2nd Monitor Well

Dear Wayne:

We have made several attempts to come to a reasonable agreement with the owners of Snyder Ranches. They are unreasonable with their \$4,000 request.

We would like to request a 60-day extension to cool-off negotiations and for us to retry to come to a reasonable compromise.

Hope you can grant our 60-day extension request.

Sincerely,

Pieter A. Bergstein

From:

Anderson, Roger

Sent:

Thursday, November 02, 2000 8:46 AM

To:

Price, Wayne

Subject:

RE: Salty Dog 2nd Monitor Well

OK

From:

Price, Wayne

Sent:

Thursday, November 02, 2000 8:06 AM

To:

Anderson, Roger

Subject:

RE: Salty Dog 2nd Monitor Well

No! Because they are all ready recovering the contaminated water! I am going to give them the extension

From:

Anderson, Roger

Sent:

Wednesday, November 01, 2000 1:08 PM

To:

Price, Wayne

Subject:

RE: Salty Dog 2nd Monitor Well

Is an extension going to hurt anything?

From:

Price, Wayne

Sent:

Wednesday, November 01, 2000 8:11 AM

To:

Anderson, Roger

Subject:

FW: Salty Dog 2nd Monitor Well

Do you have any recommendations on how I handle this!

Submit 3 Copies To Appropriate District Office	State of I				Form C-103		
District I 1625 N. French Dr., Hobbs, NM 88240	Energy, Minerals	and Natur	al Resources	WELL API NO.	Revised March 25, 1999		
District II	OIL CONSERV	ATION	DIVISION	30	-025-26307		
811 South First, Artesia, NM 88210 District III	•	uth Pach		5. Indicate Type of			
1000 Rio Brazos Rd., Aztec, NM 87410 District IV	STATE FEE S  6. State Oil & Gas Lease No.						
2040 South Pacheco, Santa Fe, NM 87505							
SUNDRY NOTION (DO NOT USE THIS FORM FOR PROPOSITION OF THE PROPOSALS.)  1. Type of Well: Oil Well Gas Well [	CATION FOR PERMIT" (FOR	PEN OR PLU M C-101) FO		7. Lease Name or	Unit Agreement Name:		
2. Name of Operator		DOEIT		8. Well No.			
Salty Dog	. Inc.			Brin - Wel	1/Supply #/		
3. Address of Operator	5/3 Hobbs No	m eBJ	4/	9. Pool name or V	Vildcat		
4. Well Location	3/3 110685 /11	000		250-3			
Unit Letter	1980 feet from the	Sout	h line and/	1980 feet from	n the East line		
Section 5	Township /	95 Rai	nge <i>36 E</i>	NMPM	County Lea		
Section 3	10. Elevation (Show w	vhether DR	R, RKB, RT, GR, etc.	:)	county 212		
	ppropriate Box to Inc	dicate Na		-			
NOTICE OF IN PERFORM REMEDIAL WORK			REMEDIAL WOR	SEQUENT RE	PURTUF: ALTERING CASING		
PERFORM REMEDIAL WORK	FLOG AND ADAMDON						
TEMPORARILY ABANDON	CHANGE PLANS		COMMENCE DRI	_	PLUG AND ABANDONMENT		
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I hereby certify that the information	n above is true and compl	lete to the	best of my knowled	lge and belief.			
SIGNATURE / hall	are	_TITLE_	Manager		DATE 12-5-00		
Type or print name Jorry (This space for State use)	Vallace			Tele	phone No. 393-8352		
LILIE CORCE TOT STOTE HEAT	-		- DEDDECEN	ITATIVE II			
APPPROVED BY	W. Wind	FIEL	D REPRESEN	ITATIVE II	DEFE 0 5 2000		

(505) 631-1694 (505) 390-7427



P.O. Box 513 Hobbs, NM 88241

Lease Name: Salty Dog API No. 30-025-26307

(11-27-00) Rigged up pulling unit and installed B.O.P.. Tripped out of hole and strapped out tubing. Tubing sheared 2,126 feet. Picked up 21 joints of 2 7/8 tubing. Tripped back into the hole with tubing. Went to a depth of 2,599 feet, and tried to pump fresh water down the tubing. Tubing was plugged. Shut down for the day.

- (11-28-00) Tripped out of hole with tubing. Tubing sheared off at 2,310 feet. Tripped backed into the hole but could not get to desired depth. Tripped out of the hole and shut down for the day.
- ( 11-29-00) Tripped in the hole with notched collar, but couldn't get to desired depth. Tripped out of the hole and shut down for the day.
- ( 11-30-00) Rigged up reverse unit and ran a 4 3/4" bit with 6 collars into the hole. Drilled to a depth of 2,316 feet. Tripped out of the hole to the bottom of the casing. Shut down for the day.
- (312-31-00) Tripped in the hole and drilled out bridges to 2,586 feet. Twisted off the tubing at the collars. Exampled out of the hole and shut down for the day.
  - ( 12-02-00) Picked up an overshot tool and tripped back into the hole. Tried to fish out the collars. Couldn't get collars, so we had to leave them in the hole. Tripped out of the hole and shut down for the day.
  - ( 12-02-00 ) Picked up a model R packer. Tripped into the hole to a depth of 1,820 feet. Set the packer and pressure tested the casing to 500 psi for 30 minutes. Casing tested good. Tripped out of the hole and shut down for the day.

(12-03-00) Off

( 12-04-00) Tripped in the hole with a notched collar. Worked the tubing with the rig tongs. Tripped to a depth of 2,571.92 feet. Pumped 100 bbls of fresh water down the tubing. Tubing was clear. Job Complete.



#### Price, Wayne

From:

Price, Wayne

Sent:

Monday, October 30, 2000 8:45 AM

To: Subject:

'Rena Śeay' RE: Salty Dog Monitor Wells

#### Approved!

From:

Rena Seay[SMTP:seay04@leaco.net]

Reply To:

Sent:

Monday, October 30, 2000 5:47 AM Price, Wayne Salty Dog Monitor Wells

To:

Subject:

October 29, 2000

Mr. Wayne Price NMOCD Environmental Bureau 2040 S. Pacheco Santa Fe, NM 87505

RE: Salty Dog Monitor Wells

Mr. Price:

As we discussed last week, Mr. Bergstein is trying to negotiate damages with the landowner around the Salty Dog Brine Well. Mr. Squires will not let us drill the additional two wells until they reach an agreement. We have the supplies and contractor waiting. Please allow us an additional two weeks to complete this task, an extension would be appreciated. Our deadline is for Nov. 3, 2000, we would like until Nov. 17, 2000, if possible. I hope an agreement can be reached soon.

If you have any questions, please call my mobile, 505-390-2454.

Thank you for your consideration.

Sincerely,

Eddie W. Seay, Agent





#### Price, Wayne

From:

Price, Wayne

Sent:

Monday, September 25, 2000 2:53 PM 'Pabpayton@aol.com'

To: Subject:

RE: Salty Dog deadline

Your request is approved. Please note the 7/25/00 letter was for two additional monitor wells!

From:

Pabpayton@aol.com[SMTP:Pabpayton@aol.com] Monday, September 25, 2000 2:49 PM Price, Wayne Salty Dog deadline

Sent:

To:

Subject:

This e-mail is to confirm our conversation today, 9/25/2000, regarding the September 30, 2000, deadline to complete the second monitor well for Salty Dog as per your letter dated 7/25/2000.

We request your permission to extend this date to November 3, 2000.

Sincerely,

Pieter Bergstein for Salty Dog



## NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor

Jennifer A. Salisbury

Cabinet Secretary

July 25, 2000

Lori Wrotenbery
Director
Oil Conservation Division

## CERTIFIED MAIL RETURN RECEIPT NO. 5051 5222

Mr. Piter Bergstein Salty Dog Inc. P.O. Box 2724 Lubbock, Texas 79408

Re:

Salty Dog Inc. Water Station Discharge Plan BW-008

Groundwater Contamination Investigation

Dear Mr. Bergstein:

The New Mexico Oil Conservation Division (OCD) is in receipt of the Salty Dog Inc. Investigation plan dated July 12, 2000 submitted by Eddie W. Seay, Agent. The plan is hereby approved with the following additional conditions:

- 1. Install a sufficient number of monitor wells to properly define the site specific groundwater flow gradient(s) and the extent of contamination from the source area. Once contamination has been defined there will be a minimum of one monitor well located between the source well and the farthest down gradient well(s). All exploratory groundwater bore holes shall be developed and remain open for a minimum of 24 hours and then purged five (5) well bore volumes of groundwater before collecting samples.
- 2. All new bore holes, monitor and recovery well(s) on site shall be sampled and analyzed for General Chemistry and WQCC metals.
- 3. Salty Dog Inc. shall have the option to plug the exploratory bore hole(s) with cement grout or complete as a monitor well. If bore hole(s) are complete as monitor well(s) then they must be completed pursuant to OCD standards.
- 4. Salty Dog Inc. will notify the OCD Santa Fe office and the OCD District office at least 72 hours in advance of all scheduled activities such that the OCD has the opportunity to witness the events and/or split samples during OCD's normal business hours.

- 5. Salty Dog Inc. shall submit the results of the investigation to the OCD Santa Fe Office by September 30, 2000 with a copy provided to the OCD Hobbs District Office and shall include the following investigative information:
  - a. A description of all investigation, remediation and monitoring activities which have occurred including conclusions and recommendations.
  - b. A geologic/lithologic log and well completion diagram for each monitor well.
  - c. A water table potentiometric map showing the location of the leaks and spills, excavated areas, monitor wells, and any other pertinent site features as well as the direction and magnitude of the hydraulic gradient.
  - d. Isopleth maps for contaminants of concern which were observed during the investigations.
  - e. Summary tables of all ground water quality sampling results and copies of all laboratory analytical data sheets and associated QA/QC data taken within the past year.
  - f. The quantity and disposition of all recovered product and/or wastes generated.

Please be advised that NMOCD approval of this plan does not relieve Salty Dog Inc. of liability should their operations fail to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD approval does not relieve Salty Dog Inc. of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Sincerely;

Wayne Price-Pet. Engr. Spec.

Vagre (

cc: OCD Hobbs Office

NMOCD Environmental Bureau

ATTN: Wayne Price 2040 South Pacheco St. Santa Fe, NM 87505

RE: Salty Dog Contamination Investigation

Dear Mr. Price:

Within is Salty Dogs' plan for further investigation of the salt water contamination of Salty Dog Brine Station.

If you have any questions or need additional information, please call.

Sincerely,

Eddie W. Seay, Agent

601 W. Illinois

Hobbs, NM 88242

(505)392-2236

#### SALTY DOG INVESTIGATION

As per the OCD request, a plan for determining the extent of the salt plume is listed.

- (1) Continue to monitor new drilled test well MW #1 volumes and CL.
- (2) Monitor up dip water wells.
- (3) It is proposed to drill additional test borings SE to determine extent of plume. The starting point will be 100 ft. SE of MW #1 and will continue moving SE until the edge of the plume is found.
- (4) Submit test taken and report to OCD.
- (5) Notify OCD prior to start.

It is planned to drill 5 1/4" hole, run 2" pvc with .10 slot screen, develop well with air and test water. If the water is contaminated, pull 2" pvc, grout hole and move another 100 ft., and continue this process until the plume has been defined. After the plume has been determined, the 2" will be left in place, it will be sand packed, bentonite and grouted according to specifications from MW #1. This will give us a well to monitor the movement of the salt plume.

We will continue to monitor the existing wells and monitor well and volumes pumped out. To date we have extracted a little over 6,000 bls. and the chloride has dropped to approximately 35,000. The offset and up dip water wells are both less that 100 ppm CL.

All updated test dates will be set with final report.

We can start this program as soon as we get approval and a rig becomes available.

- Proposed Test walls
- new Mointer well # 1
- · Existing water wells
- B Brine well



# NEW EXICO ENERGY, MENERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor

Jennifer A. Salisbury

Cabinet Secretary

June 16, 2000

Lori Wrotenbery
Director
Oil Conservation Division

CERTIFIED MAIL
RETURN RECEIPT NO. 5051 5628

Mr. Piter Bergstein Salty Dog Inc. P.O. Box 2724 Lubbock, Texas 79408

Re:

Salty Dog Inc. Water Station

Discharge Plan BW-008 Monitor/Recovery Well

Dear Mr. Bergstein:

The New Mexico Oil Conservation Division (NMOCD) is in receipt of Salty's Dog's May 09, 2000 report submitted by Eddie W. Seay. After reviewing the report the NMOCD will require Salty Dog to submit a plan for OCD approval to determine the extent of the groundwater contamination. Please submit this plan by July 15, 2000.

The NMOCD also confirms Salty Dog's verbal request to start pumping the 4" recovery well. Salty Dog shall maintain records of the amount of contaminated water removed.

If you require any further information or assistance please do not hesitate to write or call me at (505-827-7155).

Sincerely Yours,

Wayne Price-Pet. Engr. Spec.

Environmental Bureau

cc:

OCD Hobbs Office Eddie Seay-Hobbs May 9, 2000



NMOCD Environmental Bureau

ATTN: Wayne Price 2040 S. Pacheco Santa Fe, NM 87505

RE: Salty Dog Monitor Well

Dear Mr. Price:

Find within this report data pertaining to the monitor well drilling and sampling near Salty Dog brine well. If you need any other information, please call.

Sincerely,

Eddie W. Seay, Agent

Peli w De

601 W. Illinois

Hobbs, NM 88242

(505)392-2236

#### SALTY DOG MONITOR WELL

The drilling of the monitor well started on April 24, 2000, and completed on April 26, 2000. The well is located 15 ft. SSE of the brine well.

Started drilling with a 7 7/8" bit.

TD at 137'.

Encountered a perch zone of water at approximately 61', red clay at 84' to 88'. Then water sand at 88' and redbed at 135'.

Ran 5 1/2" pvc well pipe with 60' of .20 screen in well, top of screen at 75'. Sifted in small gravel behind casing to 65'. Poured 4 sacks of bentonite chips on top of gravel to 20'. Cemented from 20' to surface. Note well bore diagram.

April 26 to pump and sample.

Water level at 61'.

Ran in hole with 1 1/4" pvc and 1 1/2 horse pump. Pump and developed well until water clean. Start pumping well to extract 3 casing volumes, approximately 250 gal. All fluid put into transport for disposal. After pumping samples were taken and delivered to Cardinal Lab for analysis. The fluid pumped out was taken to Rice SWD for disposal.

From the review of the analytical data, it is determined that the groundwater around the brine well is impacted by salt or salt water probably from the casing leaks that were found in the brine well.

It is my recommendation that the monitor well be equipped with a pump and tubing. Tie the well into the flow line, which goes to the Salty Dog Brine Pit. Pump the well so as to hold the contaminant in place and also extract the salt water from the groundwater. The water will be metered and testing done on a weekly schedule. Whenever the salt concentration in the monitor well reaches a level that the OCD will accept, the monitor well will be used to circulate water down and make brine water at the brine well.

# STATE ENGINEER OFFICE WELL RECORD

## Section 1. GENERAL INFORMATION

Street or	f well <u>SAZ</u> Post Office Ad State <u>Hob</u>	dress	75 - 14 - 17 <b>6</b> 81 - 1	ene states,	ig jetiger	in 2 2 ton the Ow	ner's Well No	· <u></u>			
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26	.49	23	SANd STONE - Red - SOFT
49	58	9	CLAY - GREY
58	61	3	QUARTITE - Red-White - BROWN-MARBLEd
61	86	25	SANDSTONE - BROWN - W/B - SOFT
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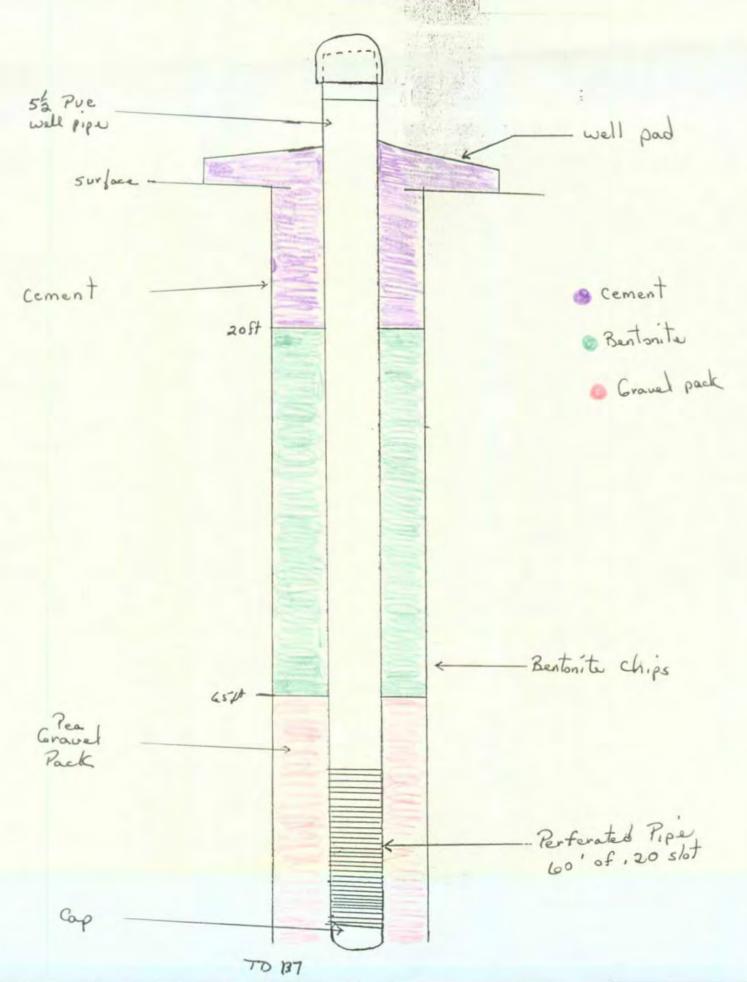
Section 7. REMARKS AND ADDITIONAL INFORMATION

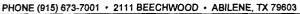
The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1(a) and Section 5 need be completed.

## Phonitor WELL







PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

#### ANALYTICAL RESULTS FOR

**EDDIE W. SEAY CONSULTING** 

ATTN: EDDIE SEAY 601 W. ILLINOIS HOBBS, NM 88242

FAX TO:

Sampling Date: 04/26/00

Sample Type: GROUNDWATER
Sample Condition: COOL AND INTACT

Sample Received By: BC

Analyzed By: AH

Receiving Date: 04/26/00 Reporting Date: 04/27/00

Project Number: 001

Project Name: SALTY DOG BRINE MW

Project Location: HOBBS-WEST

#### **TOTAL METALS**

LAB NUMBER SAMPLE ID	Al	Co	Cu	Fe
	(ppm)	(ppm)	(ppm)	(ppm)

ANALYSIS DATE:	04/27/00	04/27/00	04/27/00	04/27/00
H4831-1 SD #3	<5	1.349	<1	1.242
Quality Control	8.852	5.010	5.003	1.044
True Value QC	10.000	5.000	5.000	1.000
% Recovery	88.5	100.2	100	104.4
Relative Percent Difference	1.3	0.8	1.1	4.4
METHODS: EPA 600/04-79-020	202.1	219.1	220.1	236.1

Mn	Мо	NI	Zn
(ppm)	(ppm)	(ppm)	(ppm)

ANALYSIS DATE:	04/27/00	04/27/00	04/27/00	04/27/00
H4831-1 SD #3	0.264	<1	1.541	<10
Overlity Control	2.002	1 007	5.072	0.503
Quality Control True Value QC	2.002	1.087 1.000	5.000	0.503
% Recovery	100	1.000	101.4	100.6
Relative Percent Difference	1.8	4.3	2.7	9,0
METHODS: EPA 600/04-79-020	243.1	246.1	249.1	289.1

Date/

Chemist

PLEASE NOR 3 Library and parages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.





PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR EDDIE W. SEAY CONSULTING ATTN: EDDIE SEAY 601 W. ILLINOIS HOBBS, NM 88242

FAX TO:

Receiving Date: 04/26/00 Reporting Date: 04/28/00 Project Number: 001

Project Name: SALTY DOG BRINE MW Project Location: HOBBS-WEST

Sampling Date: 04/26/00

Sample Type: GROUNDWATER Sample Condition: COOL AND INTACT

Sample Received By: BC

Analyzed By: AH

#### **RCRA METALS**

LAB NUMBER SAMPLE ID	As	Ag	Ва	Cd	Cr	Pb	Hg	Se
	ppm							
ANALYSIS DATE:	04/27/00	04/27/00	04/27/00	04/27/00	04/27/00	04/27/00	04/28/00	04/27/00
H4831-1 SD #3	<0.1	0.084	2.295	0.215	<0.05	0.065	<0.002	<0.05
							•	
·								
Quality Control	0.049	5.004	51.94	1.998	4.977	5.043	0.0039	0.210
True Value QC	0.050	5.000	50.00	2.000	5.000	5,000	0.0040	0.200
% Recovery	98	100	103.9	99.9	99.5	100.8	97.5	105
Relative Percent Difference	2.7	0.6	3.1	0.7	0.4	9.4	2.6	1.4
METHODS: EPA 600/4-79-020	206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2
METHODS: SW-846	7060A	7760A	7080A	7130	7190	7420	7470A	7740



PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR EDDIE W. SEAY CONSULTING ATTN: EDDIE SEAY 601 W. ILLINOIS HOBBS, NM 88242 FAX TO:

Receiving Date: 04/26/00 Reporting Date: 05/02/00 Project Number: 001

Project Name: SALTY DOG BRINE MW Project Location: HOBBS-WEST

Sampling Date: 04/26/00 Sample Type: GROUNDWATER Sample Condition: COOL AND INTACT

Sample Received By: BC

Analyzed By: AH

•				•				
	Na	Ca	Mg	K	Conductivity	T-Alkalinity		
LAB NUMBER SAMPLE ID	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mS/cm)	(mgCaCO ₃ /L)		
ANALYSIS DATE:	04/28/00	04/28/00	04/28/00	04/28/00	04/28/00	04/28/00		
H4831-1 SD #1 & #2	24374	257	233	164	87216	212		
Quality Control	NR	48	53	5.08	1392	NR		
True Value QC	NR NR	50	50	5.00		NR		
% Accuracy	NR NR	96.2	106.9	101.5				
Relative Percent Difference	NR	8.3	9.4	0.4	0.2	NR		
METHODS:	SM	120.1	310.1					
	CI ⁻	SO₄	CO ₃	HCO₃	рН	TDS		
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)		
ANALYSIS DATE:	04/28/00	04/28/00	04/28/00	04/28/00	04/28/00	04/29/00		
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Quality Control True Value QC	1000	102	NR	971	6.95	NR		
% Accuracy	1000	100 102	NR NR	1000 97.1		NR NR		
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Chemist HU

Relative Percent Difference

METHODS:

5/2/00

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NR

160.1

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150.1

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375.4

0.1

SM4500-CI-B

NR

310.1

## ARDINAL LABORATORIES, IN

#### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES, INC.
2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240
(915) 673 7001 East (915) 673 7020 (505) 393 2326 East (506) 393 2476

	(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476											Page of													
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[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

RICE Operating Company
122 W. Taylor Hobbs, N.M. 88240
(505) 393-9174

Well F-29 Salt Water Disposal

Date 4-26
Transporter ZiA
FROM SALTY Dog
Lease Lease
Bbls
Driver Vine Bunetof
Truck No Nº 634809
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## NEW MEXICO ÉNERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION 2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

### Price, Wayne

From:

Price, Wayne

Sent:

Monday, May 08, 2000 9:23 AM

To:

'Rena Šeay'

Subject:

RE: Salty Dog Monitor Well

#### Approved!

From:

Rena Seay[SMTP:seay04@leaco.net]

Reply To:

Rena Seay

Sent: To:

Friday, May 05, 2000 12:08 PM Price, Wayne

Subject:

Salty Dog Monitor Well

FROM: Eddie Seay

TO: OCD Wayne Price

As per our conversation concerning the newly drilled monitor well, we would like to start pumping the well to keep the contamination from moving. The water will be put in the same flow line that goes to the brine pit at Salty Dog Station. We will meter the water and run samples. You will be getting a full report by the 15th.

Thank you for your consideration in this matter.

Eddie W. Seay, Agent

#### Price, Wayne

From:

Price, Wayne

Sent: To: Friday, April 07, 2000 12:59 PM 'SMTP:seay04@leaco.net'

Subject:

RE: Salty Dog Monitor Well

TO: Salty Dog Inc.

The monitor well installation plan dated March 4, 2000 submitted by Eddie Seay is hereby approved subject to the following conditions:

1. Salty Dog Inc. will notify the OCD Santa Fe office and the OCD District office at least 48 hours in advance of all scheduled activities such that the OCD has the opportunity to witness the events and/or split samples during OCD's normal business hours.

2. The well(s) shall be developed after construction using EPA approved procedures.

- 3. No less than 48 hours after the well(s) are developed, ground water from all monitor well(s) shall be purged, sampled and analyzed for concentrations of total dissolved solids (TDS) and New Mexico Water Quality Control Commission (WQCC) metals and major cations and anions using EPA approved methods and quality assurance/quality control (QA/QC) procedures.
- 4. All wastes generated during the investigation shall be disposed of at an OCD approved facility.
- 5. Salty Dog Inc. shall submit the results of the investigation to the OCD Santa Fe Office by May 15, 2000 with a copy provided to the OCD Hobbs District Office and shall include the following investigative information:
  - a. A description of all investigation, remediation and monitoring activities which have occurred including conclusions and recommendations.
  - b. A geologic/lithologic log and well completion diagram for each monitor well.

Please be advised that NMOCD approval of this plan does not relieve Salty Dog, Inc. of liability should their operations fail to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD approval does not relieve Salty Dog inc. of responsibility for compliance with any other federal, state, or local laws and/or regulations.

From:

Subject:

Rena Seay[SMTP:seay04@leaco.net]

Reply To:

Rena Seay Friday, April 07, 2000 9:40 AM

Sent: F

Price, Wayne Salty Dog Monitor Well

April 7, 2000

Wayne Price NMOCD Environmental Dept. Santa Fe, NM

RE: Salty Dog Monitor Well

Dear Mr. Price:

As per our discussion of the proposed monitor well at Salty Dog Brine West of Hobbs, we will agree to alter

the proposed well completion by grouting or cementing the well from the top of the bentonite to surface instead of using backfill.

Thank you for your time in this matter.

Sincerely,

Eddie W. Seay, Agent

#### Price, Wayne

From:

null@leaco.net[SMTP:null@leaco.net] Friday, April 07, 2000 12:57 PM Price, Wayne Ack: "RE: Salty Dog Monitor Well"

Sent: To:

Subject:

Your message headed:

RE: Salty Dog Monitor Well.

has been delivered to seay04@leaco.net.

This receipt does not guarantee that the mail has been read.

March 4, 2000

ACE CONSERVATION DAVISOR

RECEIVED

MAR 0 8 2000

Environmental Bureau
Oil Conservation Division

NMOCD Environmental Bureau ATTN: Wayne Price 2040 South Pacheco Santa Fe, NM 87505

RE: Salty Dog Water Investigation

Dear Mr. Price:

At your request and according to the proposed plan, the operator of Salty Dog Brine wishes to drill a monitor well and test the water formation for chloride contamination. The location for the proposed well will be located approximately 15 ft. SSE of the brine well. The well will be completed according to OCD guidelines. A well bore schematic is within. The well will be developed and tested for TDS, chloride and conductivity. All results will be sent to OCD for review. The well will be left in place for future monitoring.

If you have any questions or need additional information, please call.

Sincerely,

Eddie W. Seay, Agent

601 W. Illinois

Hobbs, NM 88242

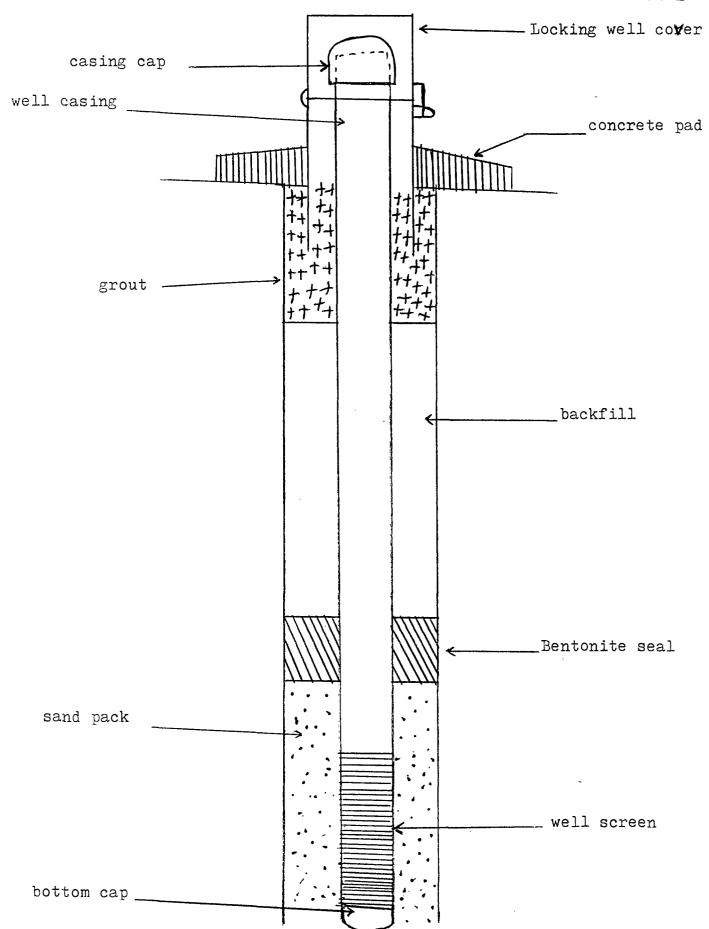
(505)392-2236

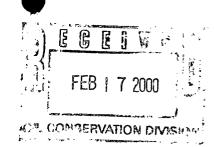
#### **WELL INFORMATION**

3" Sch 40 PVC Casing 20' of well screen with .10 slot 20-40 sand bentonite pellets conventional cement

The well will be drilled to the base of the water formation approximately 75 ft., and completed by running 3" PVC casing with 20' of .10 slot screen. A sand pack will be put behind casing to five feet above the top of the screen. A ten foot bentonite seal will be put above the sand pack. Ambient backfill material will be used for the top of the bentonite to within 20 ft. of surface. Cement grout will be put from 20 ft. to surface. A pad and locking device will be installed over the well. The well will be developed and tested.

## PROPOSED MONITOR WELL SCHEMATIC





February 14, 2000

New Mexico Oil Conservation Division Environmental Bureau ATTN: Wayne Price 2040 South Pacheco St. Santa Fe, NM 87505

RE: Salty Dog Water Station BW-008

Dear Mr. Price:

Find within the revised well bore sketch as we discussed. If you have any questions, please call. Thank you for your attention on this permit.

Sincerely,

Eddie W. Seay, Agent

601 W. Illinois

Hobbs, NM 88242

(505)392-2236

## WELL BORE SKETCH Hole at 60' Hole Size 12 1/4" . CASING: Size 8 5/8" Weight 24# & 32# Grade 1-55 Set at 1877' with 850 Sacks Cement Circulate 200 Sacks to Surface Hole at 250' .CASING LINER: Size 5 ½" Weight 15.50 # Grade J-55 Set at 1829' with 275 Sacks Cement Circulate 10 bbls Sacks to Surface TUBING: Weight 6.5# Grade J-55 Size 27/8" Number of Joints 82 Set at 2534' Bottom arrangement: Open ended with notched collar Salt Cavity

FEB I 0 2000

February 4, 2000

New Mexico Oil Conservation Division Environmental Bureau 2040 South Pacheco Street Santa Fe, NM 87505

Re:

Salty Dog Water Station

Discharge Plan BW-008 Renewal Application Response to letter dated January 5, 2000

Dear Mr. Price:

Attached please find responses to those requests for additional information raised in your letter dated January 5, 2000. Mr. Piter Bergstein, owner/operator of the facility has agreed to all items listed within.

The construction of the protective secondary berm on the outside of the southwest corner of the existing berm surrounding the brine pond will, if approved, begin immediately. Construction should be completed shortly thereafter.

The revised groundwater investigation and remediation (abatement) work will begin as soon as feasible, subject to approval.

As you review these responses and the discharge plan, we would like permission to resume operations at the facility. Please let us know at your earliest convenience if that is acceptable.

I appreciate your time and your patience in this manner and apologize for any inconvenience that the Salty Dog facility may have caused. If I can provide any further information or clarification, please call.

Sincerely,

Eddie Seay, agent

## Discharge Plan BW-008 Salty Dog Inc. Water Station Lea County, NM

Response to the request for additional information, letter dated January 5, 2000:

Item 1. No further action requested

Item 2 The description of form C-103 submitted in the permit inadvertently stated that the date that the mechanical integrity test was performed was August 24, 1999. The date of the test was actually August 25, 1999, which corresponds to the date contained on the pressure test chart. The original pressure test which includes the well name, legal location, recorder information and OCD witness signature is

attached.

How was the test performed?

The mechanical integrity test was performed according to OCD guidelines and accepted industry practices. A retrievable bridge plug was set at the bottom of the casing. The casing was loaded with water and pressure tested at 300 psi, and a pressure meter was used to record the pressure on the well. The resulting pressure was plotted on a chart. As shown on the attached chart, the pressure stabilized and held for seven hours.

The well bore sketch as originally submitted inadvertently identified surface casing and a liner. In reality, the Salty Dog Brine Supply Well # 1 has a 8 5/8 inch production casing and a 5 ½ inch casing lining. There is no surface casing on this well.

Item 3: The maximum pressure for the injection is 275 psi.

The average flow rate for the facility is 35 barrels per hour.

According to the OCD office in Hobbs, the formation fracture pressure for the

salt section varies throughout Lea County from 900 to 1100 psi.

Item 4: A secondary berm will be constructed outside the southwest corner of the

existing primary protective berm surrounding the brine pond in order to protect the identified playa lake from leaks in the primary berm, in case of accidental

leaks or overflows.

A topographic map is attached which identifies the location of the brine water

station and the brine well.

Item 5: Salty Dog commits to modifying the discharge plan to include investigation and

remediation (abatement) of the groundwater, pursuant to the applicable rules

and regulations of the state.

#### **CERTIFICATION**

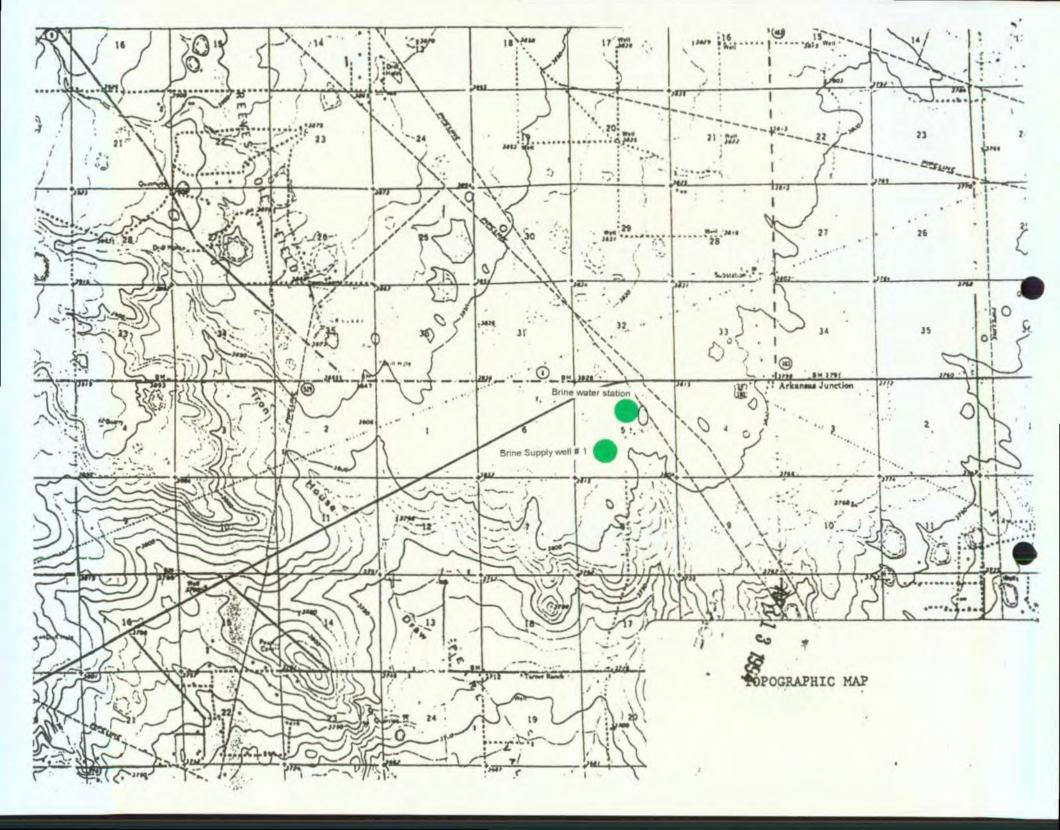
I hereby certify under penalty of law that I have personally examined and am familiar with the information submitted in this document. I do agree and adhere to all listed therein.

NAME: Piter Bergstein

TITLE: Owner/operator

SIGNATURE:

DATE: 2/1/00



		<b>—</b>	
	WELL BORE SKI	ETCH	
		eren	
	Hole at 60'		
	Hole Size 12 1/4"		
	CASI	NG:	
,	Size 8 5/8"	Weight <u>24# &amp; 32#</u>	Grade <u>1-55</u>
		with_850	
1			
	Circulate	200	Sacks to Surface
1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
	Hole at 250'		
7			
¥	CASING LINER:		
		Weight 15.50 #	
t	Set at 1829'	with <u>275</u>	Sacks Cement
	Circulate	10 bbls	_Sacks to Surface
j			
1	18		
2.4	TUBING:		
	<b>₩</b>	Waishe 65#	Condo 1 55
	1 1	Weight <u>6.5#</u>	
	Number of Joints	82	Set at <u>2534'</u>
	Bottom arrangeme	ent: Open ended w	ith notched collar
į,			
	Hole Size 6 1/4"		
	Hote Size 0/4		

# State of New Mexico Energy, Minerals and Natural Resources Department OIL CONSERVATION DIVISION P.O. Box 2088 Santa Fe, NM 87501 DISCHARGE PLAN APPLICATION FOR BRINE EXTRACTION FACILITIES On (Refer to OCD Guidelines for assistance in completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing the completing

	(Refer to OCD Guidennes for assistance in completing the application.)			
	□ NEW ☑ RENEWAL			
I.	FACILITY NAME: Salty Dog , Inc.			
II.	OPERATOR: Salty Dog, Inc.  ADDRESS: P. O. Box 2724 Lublock, Tx 79408  CONTACT PERSON: Pieter Bergstein PHONE: 806-74/-1080			
Ш.	LOCATION: 1 /4 1 /4 Section 5 Township 198 Range 36E  Submit large scale topographic map showing exact location.			
IV.	Attach the name and address of the landowner of the facility site.			
V.	Attach a description of the types and quantities of fluids at the facility.			
VI.	Attach a description of all fluid transfer and storage and fluid and solid disposal facilities.			
VII.	Attach a description of underground facilities (i.e. brine extraction well).			
/III.	Attach a contingency plan for reporting and clean-up of spills or releases.			
IX.	Attach geological/hydrological evidence demonstrating that brine extraction operations will no adversely impact fresh water.			
X.	Attach such other information as is necessary to demonstrate compliance with any other OCE rules, regulations and/or orders.			
XI.	CERTIFICATION			
	I hereby certify under penalty of law that I have personnaly examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.			
	Name: Pieter Bergstein Title: Hesalut.			
	Signature:			

#### State of New Mexico Energy inerals and Natural Resources Department

Form	C	-10	J
Revie	ed	1-1	-89

F.O. Box 1980,		
F.O. Box 1980,	Hobbs, NM	88240

DESTRICTI F.O. Box 1980, Hobbs, NM 88240 OIL CONSERVATION DIVISI 2040 Pacheco St.	ON WELL API NO.
DISTRICTII Santa Fe, NM 87505 P.O. Drawer DD, Ameria, NM 88210	5. Indicate Type of Leane  STATE  FEE
DISTRICT III 1000 Rio Brazos Rd., Aziec, NM 87410	6. State Oil & Gas Lease No.
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK	A OTO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	7. Lease Name or Unit Agreement Name
1. Type of Well:  OIL OAS WELL OHER Brine Well	
2 Name of Operator Salty Dog Inc.	8. Well No. Brine Suppl#1
3. Address of Opensor P.O. Box 513 Hobbs Non 88240	9. Pool name or Wildcat
4. Well Location  Unit Letter;/980 Feet From The South Line and	1980 Feet From The East Line
Section 5 Travaship 195 Range 36 E	NMPM Lea County
10. Elevation (Show whether DF, RKB, RT, GR	i, etc.)
11. Check Api to priate Box to Indicate Nature of No.	otice, Report, or Other Data
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERIFORM REMEDIAL WORK	ORK ALTERING CASING
TOMPORABILY ABANDON CHANGE PLANS COMMENCE	DEVILLING OPNS. PLUG AND ABANDONMENT
PULL OR ALTER CASING CASING TES	FAND CEMENT JOB
OTHER:	
12. Describe Proposed or Completed Operations (Circula state oil pertinent details, and give pertinent of work) SEE RULE 1103.	lates, including estimated day of starting any proposed
· · · · · · · · · · · · · · · · · · ·	

Thereby will be information above to be a complete the best of standard Business	1114 knowledge red brief.  11111: ASST Manager	9-B-99
TYPELS SOUTHAME WALTER Brisco		пылатычи <b>ны. 393-8352</b>
(ims s) for State Uto)	_	

This William IIILE Dishid Superior MAIL 12/1/95

CONDITY OF APPROXIMENTAL PLANS

### Form C - 103

- 12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including date of starting any proposed work) SEE RULE 1103.
- 8-4-99 Rigged up B.O.F. Well Servicing pulling unit. Pulled tubing out of the hole and strapped for accurate measurement. Went back into the hole with 7 5/8" bit and scraper. Drilled to a depth of 1,875 foot. Pulled out of hole.
- 8-8-99 Tripped into hole with Packer to find hole. Found and isolated hole at 60 ft. Pulled out of the hole.
- 8-9-99 Tripped back into the hole with a Retrievable Bridge Plug and set it at 90 ft.
- 8 10 99 B.J. Services rigged up and performed a squeeze job with 75 sacks of class 'C' cement.
- 8-11-99 Davis Tool rigged up a reverse unit and drilled out cement. Pressured up on casing. Did not hold.
- 8-12-99 B.J. Services rigged up and performed a squeeze job with 75 sacks of class 'C' cement with 2% cacl2 added in.
- 8-13-99 Davis Tool reverse unit drilled out cement. Pressured up on well. Did not hold.
- 8 14 99 B.J. Services rigged up and performed a squeeze job with 75 sacks of class 'C' cement with cacl2 added in.
- 8-16-99 Davis Tool reverse unit drilled out cement. Pressured up to 500 psi. for 15 minutes. Held pressure. Tripped into hole to pull Retrievable Bridge Plug. Tripped back into the hole to 1,850 ft. and set Packer. Pressured up on 8-5/8" casing to 500 psi.. Did not hold. Isolated another hole at approximately 250 ft. Pulled out of hole.
- 8-18-99 Decided to run  $5-\frac{1}{2}$ " J-55 15.50 casing in the hole. Set casing at a depth of 1,828.88 ft.
- 8-19-99 B.J. Services rigged up and cemented casing with 275 sacks of class 'C' cement with 2% cacl2. Cement did not circulate to surface.
- 8-20-99 Production Testing Services rigged up and ran a temperature survey. Top of cement was determined to be at 1,290 ft.

### Form C - 103

- 8-23-99 Black Warrior Wireline rigged up and perforated at 1,280 ft.
  B.J. Services rigged up and pumped class 'C' cement with 2% cal2.
  Circulated 10 bbls of cement back to surface.
- 8-24-99 Davis Tool reverse unit drilled out cement. Ran a Mechanical Integrity
  Test at 300 psi. for 15 minutes. It held. Tripped out of hole laying down
  Collars and bit. Tripped back into hole with 2-7/8" J-55, 6.5 tubing
  opened ended with notched collar. Set tubing at 2,534.84. Installed tubing
  head and rigged down.

# Salty Dog, Inc.

The maximum pressure that we use for producing brine water Is 100 psi..

## WELL BORE SKETCH

Hole at 60'

Hole Size 12 1/4"

SURFACE CASING:

Size <u>8 5/8"</u> Weight <u>24# & 32#</u>

Grade J-55

Set at <u>1877</u> with <u>850</u>

Sacks Cement

Circulate 200 Sacks to Surface

___ Hole at 250'

**CASING LINER:** 

Size <u>5 ½"</u> Weight <u>15.50 #</u>

Grade J-55

Set at 1829' with 275 Sacks Cement

Circulate 10 bbls Sacks to Surface

TUBING:

Size <u>2 7/8"</u>

Weight <u>6.5#</u>

Grade J-55

Number of Joints 82

Set at <u>2534</u>

Bottom arrangement: Open ended with notched collar

Hole Size 6 1/4"

Salty Dog Inc. is equipped with a surface lined pit. The surface pit has a built — in leak detection system installed in the bottom of the pit. It consists of four inch P.V.C. piping with holes drilled in the pipe. The pipe was installed in trenches 12" deep, then covered with pea gravel. Then the entire bottom of the pit was covered with sand. (See attachment A) Plastic liner was installed over the sand base. (See attachment B — Lined Evaporation Pit Permit No. LP —H-105) The P.V.C. pipe system was manifolded. It exists on the west side of surface pit with four foot riser at the end.

Should the plastic liner develop a leak, it can be detected by daily visual inspection of the riser. In the event a dike should leak, all drainage would be captured in a natural basin. It is located approximately 1200' south – southwest of the brine station. (See topographic map – figure 1)

Attachment 12' DETAIL A DIKE DETAIL .136* PEA GRAVEL 4 PVC PIPE LEAK DETECTION SYSTEM DETAIL B LEAK DETECTION SYSTEM DETAIL NATURAL RESOURCES ENGINEERING INC NOTES NB01-001-001 ON DNIWARD BRINE STORAGE PIT 2 SHEET 1 OF 1

### APPLICATION FOR PERMIT

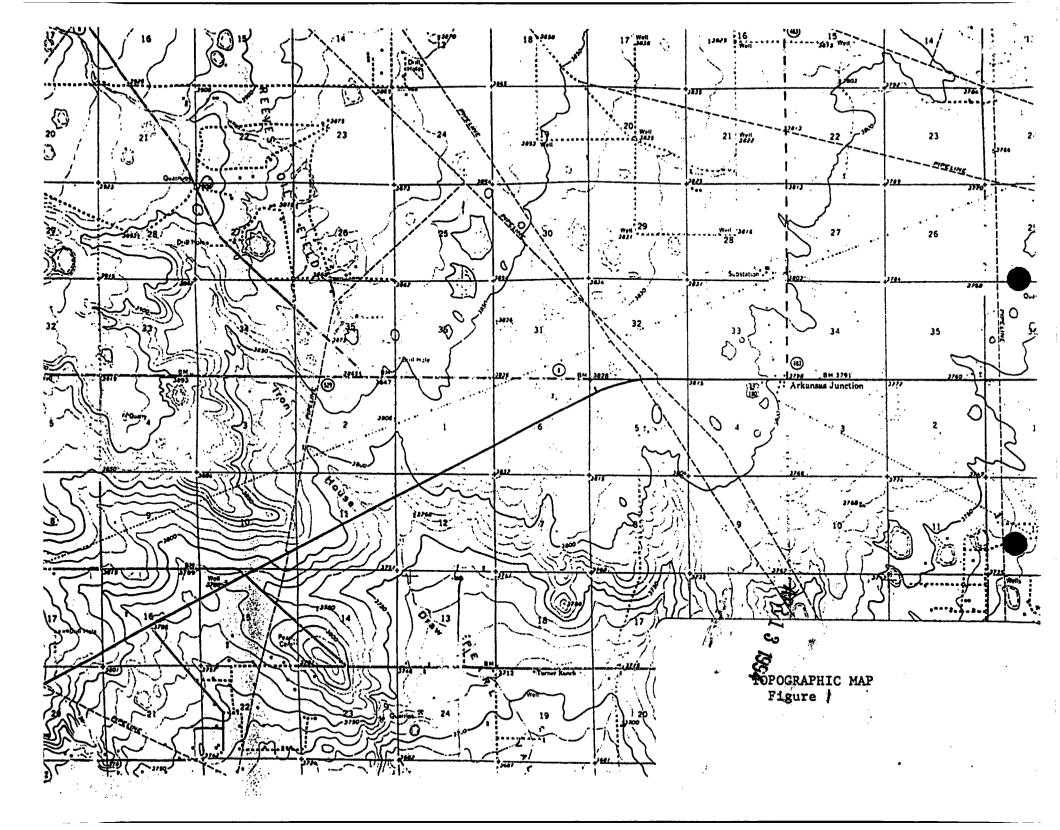
TO UTILIZE A LINED EVAPORATION PIT

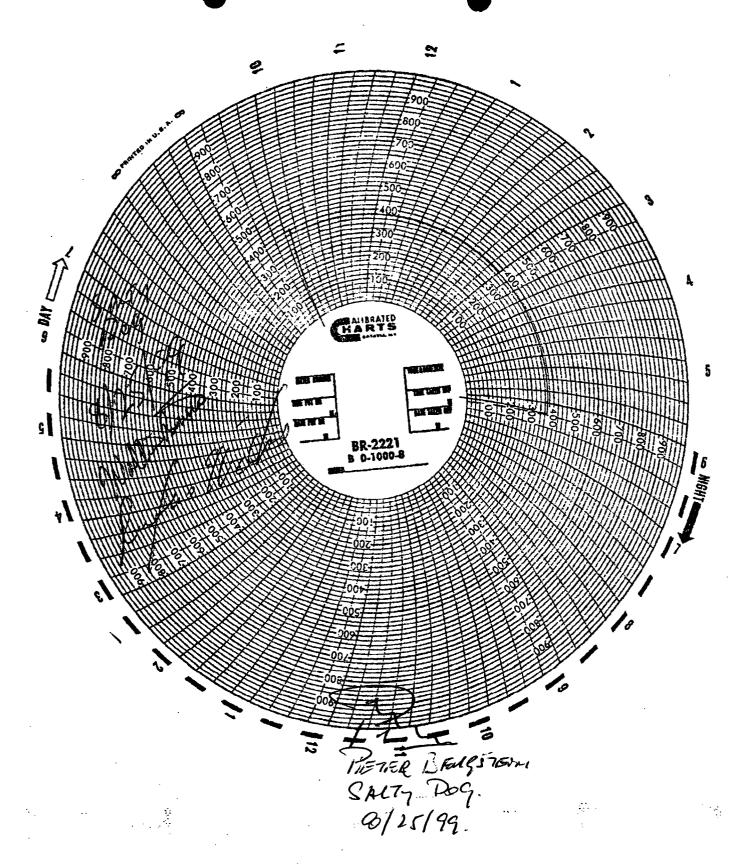
PERMIT NO. LP-H-105

Attachment

### New Manday 013 Care at the Oct 4 Acc

New Mexico Oil Conservation Commission
Name of Operator SATY Dro
Address PD BH 774 Horas 88340  Name of lease upon which evaporation pit will be located
ERIVE STORAGE  Location of evaposestion pit: Unit Letter B Section 5 Township/95 Range 36 E
Lease(s) which will be producing into pit. NA
Pool(s) which will be producing into pit
Analysis of disposal water: Chlorides Apppol 3Tetri dissolved solids ppm.  (If more than one pool will be producing into pit, give water analysis for each pool.)
Quantity of water to be disposed of into this pit WA. barrels per day.
Water production from these same wells six months ago bpd bpd. Three months ago bpd (If more than one pool will be producing into pit, give water production data for each)
Method of hydrocarbon entrapment to be employed: Settling tank Header pit
If settling tank is to be used, give size and number of barrels
If header pit is to be used, give dimensions and depth
Header pit lining material N/7 Thickness
Dimensions of Evaporation Pit ("A" and "B" on diagram) 100 X 100
Number of square feet contained in above APPROX 22507
Depth (Top of levee to floor of pit-"D" on diagram)
Material to be used as liner 8/420 1.0114 600046A SThickness 30 mil
Does manufacturer recommend protection of material from direct sunlight? Yes No
If yes, what means will be provided to so protect the material?
Is material resistant to hydrocarbons? Yes / CS NoNo
Is material resistant to acids and alkalis? Yes
Is material resistant to salts? Yes PCS No
Is material resistant to fungus? Yes Fes No
Is material rot-resistant? Yes Fas No
Will joints in material be fabricated in the field? Yes Kes No
If yes, describe method to be used in . ning material
•
Attach manufacturer's brochure describing the qualities of the lining material.
Describe the leakage detection system to be used GRNO OF 4" pinc  ( with Makes)
below hiner - GR PACKED Y ENCASED IN 4" (2/g Grave)
GRADED TO DRAIN IN 15" PUC SUMP WITH 4" - EXESTORI
I hereby certify that the information contained herein is true and complete to the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of
in keeping the currace of the water free of oil and other debris.
Not the same of the





Salty Dog Inc. will commit to an investigation to identify the severity of the ground water contamination. We will start by drilling a monitor well 75 feet east of brine well. This well will be drilled within 30 days of approved renewal application. Salty Dog Inc. will have the responsibility of monitoring this well on a monthly basis for 6 months. If at this time the water is back to acceptable levels, we will start monitoring on a quarterly basis. All records of well monitoring will be filed with the NMOCD Hobbs office.

If it is determined by our investigation that the contamination has spread we will drill another well southeast of brine well and follow the same monitoring procedures as well #1.

# State of New Mexico Energy, Minerals and Natural Resources Department OIL CONSERVATION DIVISION P.O. Box 2088 NIM 87501 State of New Mexico Division 3 700 P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 The state of New Mexico P.O. Box 2088 Th

# DISCHARGE PLAN APPLICATION FOR BRINE EXTRACTION FACILITIES

(Refer to OCD Guidelines for assistance in completing the application.)

	□ NEW ☑ RENEWAL			
I.	FACILITY NAME: Salty Dog, Inc.			
II.	OPERATOR: Salty Dog, Inc.  ADDRESS: P. O. Box 2724 Lubbock, TX 79408  CONTACT PERSON: Pieter Bergstein PHONE: 806-74/-1080			
III.	LOCATION: 1 /4 1 /4 Section 5 Township 19S Range 36E  Submit large scale topographic map showing exact location.			
IV.	Attach the name and address of the landowner of the facility site.			
V.	Attach a description of the types and quantities of fluids at the facility.			
VI.	Attach a description of all fluid transfer and storage and fluid and solid disposal facilities.			
VII.	Attach a description of underground facilities (i.e. brine extraction well).			
VIII.	Attach a contingency plan for reporting and clean-up of spills or releases.			
IX.	Attach geological/hydrological evidence demonstrating that brine extraction operations will no adversely impact fresh water.			
X.	Attach such other information as is necessary to demonstrate compliance with any other OCI rules, regulations and/or orders.			
XI.	CERTIFICATION			
	I hereby certify under penalty of law that I have personnaly examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.			
	Name: Pieter Bergstein Title: Plesalet.			
	Signature:			

### State of New Mexico inerals and Natural Resources Department

Form C-100

Revised 1-1-89

P.O. Box 1980, Hobbs, NM \$8240 ULL CONSERVATION DI 2040 Pacheco St.	WELL API NO.	
DISTRICTII Sauta Fe, NM 875 P.O. Drawer DD, Asteria, NM 88210	5. Indicate Type of Lease STATE FEE	
DISTRICT III 1000 Rio Benzos Rd., Antec., NM 87410	6. State Oil & Gas Lease No.	
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUC	BACK TO A	
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	7. Lesse Name of Unit Agreement Name	
1. Type of Well:  OL GAS GRINGE Brine We.	//	
2. Name of Operator Salty Dog Inc.	Brine Suppl#1	
2. Address of Operator P.O. Box 513 Hobbs Non 883		
4. Well Location	1980	
Section 5 Towaship 195 Range 3	RT, GR, etc.)	
11. Check Appropriate flox to Indicate Nature	of Notice, Report, or Other Data	
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:		
PERFORM REMEDIAL WORK	DIAL WORK ALTEHING CASING	
TEMPORABILY ABANDON CHANGE PLANS COMM	COMMENCE DELLING OPNS. PLUG AND ABANDONMENT	
PULL OR ALTER CASING CASIN	G TEST AND CEMENT JOB	
OTHER:OTHER	t:	
12. Describe Proposed or Completed Operations (Circ. of state All pertinent details, and give per analysis SEE RULE 1103.	tivent dates, including estimated during starting any proposed	

I from y contribute the information above in the first complete the first of my knowledge and below. Asst Manager 9-8-99 нажи елено. 393-8352 CHITHAME WALTER Brisco

Distuthepumos

FOR APPEAL ONL, IT AND

- 12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including date of starting any proposed work) SEE RULE 1103.
- Rigged up B.O.F. Well Servicing pulling unit. Pulled tubing out of the hole and strapped for accurate measurement. Went back into the hole with 7 5/8" bit and scraper. Drilled to a depth of 1,875 foot. Pulled out of hole.
- 8-8-99 Tripped into hole with Packer to find hole. Found and isolated hole at 60 ft. Pulled out of the hole.
- 8-9-99 Tripped back into the hole with a Retrievable Bridge Plug and set it at 90 ft.
- 8 10 99 B.J. Services rigged up and performed a squeeze job with 75 sacks of class 'C' cement.
- 8 11 99 Davis Tool rigged up a reverse unit and drilled out cement. Pressured up on casing. Did not hold.
- 8-12-99 B.J. Services rigged up and performed a squeeze job with 75 sacks of class 'C' cement with 2% cacl2 added in.
- 8 13 99 Davis Tool reverse unit drilled out cement. Pressured up on well. Did not hold.
- 8 14 99 B.J. Services rigged up and performed a squeeze job with 75 sacks of class 'C' cement with cacl2 added in.
- 8-16-99 Davis Tool reverse unit drilled out cement. Pressured up to 500 psi. for 15 minutes. Held pressure. Tripped into hole to pull Retrievable Bridge Plug. Tripped back into the hole to 1,850 ft. and set Packer. Pressured up on 8-5/8" casing to 500 psi.. Did not hold. Isolated another hole at approximately 250 ft. Pulled out of hole.
- 8-18-99 Decided to run  $5-\frac{1}{2}$ " J-55 15.50 casing in the hole. Set casing at a depth of 1,828.88 ft.
- 8-19-99 B.J. Services rigged up and cemented casing with 275 sacks of class 'C' cement with 2% cacl2. Cement did not circulate to surface.
- 8-20-99 Production Testing Services rigged up and ran a temperature survey. Top of cement was determined to be at 1,290 ft.

### Form C - 103

- 8-23-99 Black Warrior Wireline rigged up and perforated at 1,280 ft.
   B.J. Services rigged up and pumped class 'C' cement with 2% cal2.
   Circulated 10 bbls of cement back to surface.
- B 24 99 Davis Tool reverse unit drilled out cement. Ran a Mechanical Integrity Test at 300 psi. for 15 minutes. It held. Tripped out of hole laying down Collars and bit. Tripped back into hole with 2 7/8" J 55, 6.5 tubing opened ended with notched collar. Set tubing at 2,534.84. Installed tubing head and rigged down.

# Salty Dog, Inc.

The maximum pressure that we use for producing brine water Is 100 psi..

### WELL BORE SKETCH

Hole at 60'

Hole Size_ 12 1/4"

SURFACE CASING:

Size <u>8 5/8"</u> Weight <u>24# & 32#</u>

Grade J-55

Set at <u>1877</u> with <u>850</u>

Sacks Cement

Circulate 200 Sacks to Surface

__Hole at 250'

CASING LINER:

Size <u>5 ½"</u> Weight <u>15,50 #</u>

Grade J-55

Set at 1829' with 275 Sacks Cement

Circulate 10 bbls Sacks to Surface

TUBING:

Size 2 7/8"

Weight <u>6.5#</u>

Grade J-55

Number of Joints 82 Set at 2534'

Bottom arrangement: Open ended with notched collar

Hde Size 6 1/4"

Salty Dog Inc. is equipped with a surface lined pit. The surface pit has a built — in leak detection system installed in the bottom of the pit. It consists of four inch P.V.C. piping with holes drilled in the pipe. The pipe was installed in trenches 12" deep, then covered with pea gravel. Then the entire bottom of the pit was covered with sand. (See attachment A) Plastic liner was installed over the sand base. (See attachment B — Lined Evaporation Pit Permit No. LP—H-105) The P.V.C. pipe system was manifolded. It exists on the west side of surface pit with four foot riser at the end.

Should the plastic liner develop a leak, it can be detected by daily visual inspection of the riser. In the event a dike should leak, all drainage would be captured in a natural basin. It is located approximately 1200' south — southwest of the brine station. (See topographic map — figure 1)

Attachment DETAIL A DIKE DETAIL .138' PEA GRAVEL 4 PVC PIPE LEAK DETECTION SYSTEM DETAIL B LEAK DETECTION SYSTEM DETAIL NOTES NATURAL RESOURCES ENGINEERING INC NB01-001-001 DRAWING NO BRINE STORAGE PIT 2

SHEET 1 OF 1

### APPLICATION FOR PERMIT

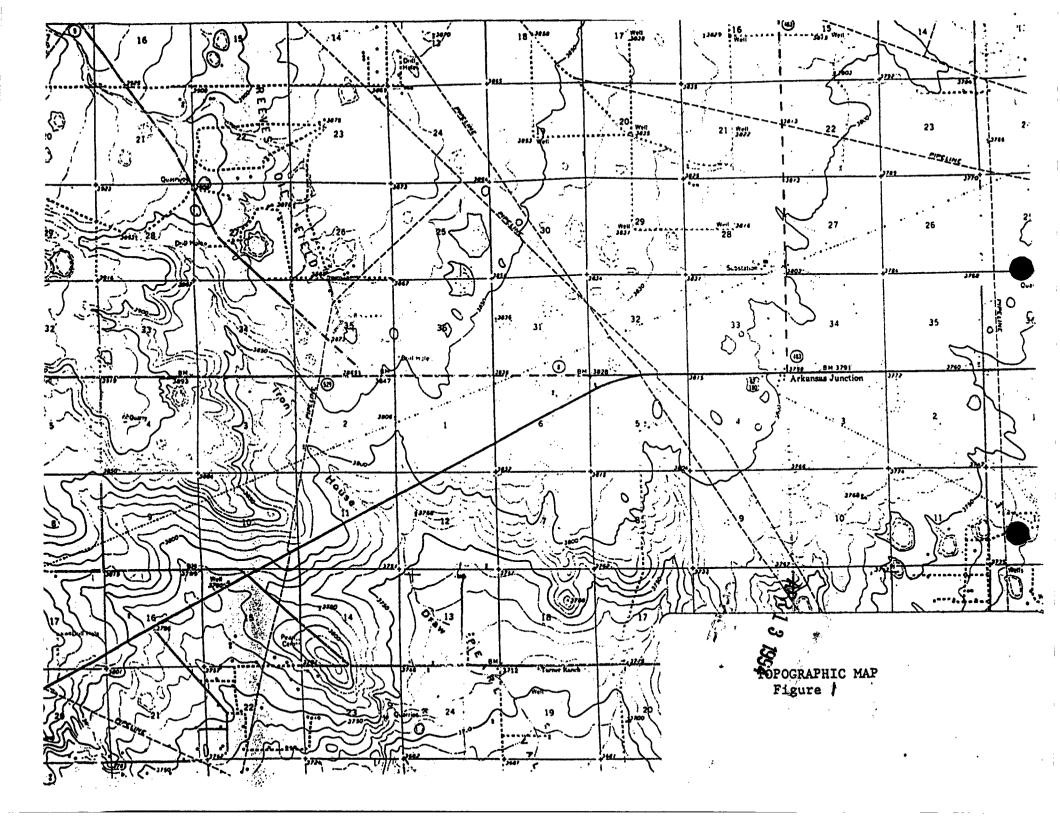
TO UTILIZE A LINED EVAPORATION PIT

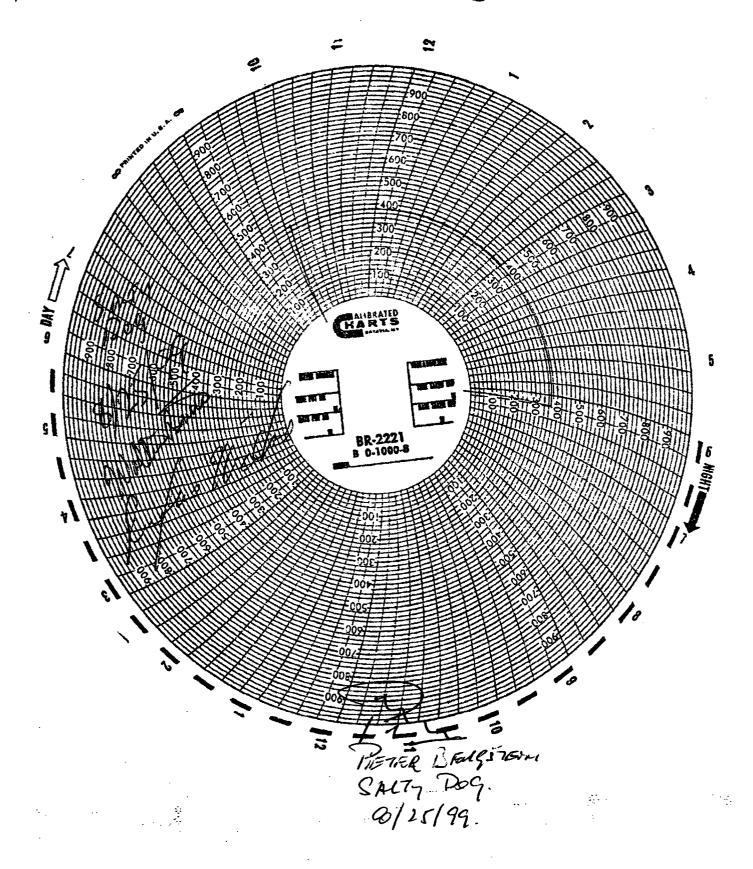
PERMIT NO. <u>LP-H-105</u>

Attachment B

### New Mexico Oil Conservation Commission

Spendandormal and an antique and an antique and an antique and an antique and an antique and an antique and and
Name of Operator SALTY DAD
Address PABH 774 HOTERS 882 VD
Name of lease upon which evap- oration pit will be located
Location of evaposestion pit: Unit Letter B Section 5 Township 95 Range 36 E
Lease(s) which will be producing into pit. NA
Pool(s) which will be producing into pit
Analysis of disposal water: Chlorides Appropriate 3Torque dissolved solids ppm.  (If more than one pool will be producing into pit, give water analysis for each pool.)
Quantity of water to be disposed of into this pitbarrels per day.
Water production from these same wells six months ago bpd (If more than one pool will be producing into pit, give water production data for each)
Method of hydrocarbon entrapment to be employed: Settling tank Header pit
If settling tank is to be used, give size and number of barrels
If header pit is to be used, give dimensions and depth
Header pit lining material N/N Thickness
Dimensions of Evaporation Pit ("A" and "B" on diagram) 100 X 100
Number of square feet contained in above APPREX 22502
Depth (Top of levee to floor of pit-"D" on diagram)
Material to be used as liner 8/9-0 / Duc 600 Duca Thickness 30 mil
Does manufacturer recommend protection of material from direct sunlight? YesNo
If yes, what means will be provided to so protect the material?
•
Is material resistant to hydrocarbons? Yes / CS No
Is material resistant to acids and alkalis? Yes No No
Is material resistant to salts? Yes MoNo
Is material resistant to fungus? Yes FC5 No
Is material rot-resistant? Yes Fes No No
Will joints in material be fabricated in the field? Yes
If yes, describe method to be used in . ning material
Attach manufacturer's brochure describing the qualities of the lining material.
Describe the leakage detection system to be used 6 R 10 0 F 4" pinc
below hiner - GRIACKED & ENCASED IN 4" (3/4 Grave)
GRADED TO DRAIN IN 15" FUC SUMP WITH 4" Expession
I hereby certify that the information contained herein is true and complete to the best of from my knowledge and belief, and further, that the subject evaporation pit and appurtenances, when installed, will be kept in good repair, and that all due diligence will be exercised in keeping the surface of the water free of oil and other debris.
X 1/ SALTY DOSING PO 4-12-82





Salty Dog Inc. will commit to an investigation to identify the severity of the ground water contamination. We will start by drilling a monitor well 75 feet east of brine well. This well will be drilled within 30 days of approved renewal application. Salty Dog Inc. will have the responsibility of monitoring this well on a monthly basis for 6 months. If at this time the water is back to acceptable levels, we will start monitoring on a quarterly basis. All records of well monitoring will be filed with the NMOCD Hobbs office.

If it is determined by our investigation that the contamination has spread we will drill another well southeast of brine well and follow the same monitoring procedures as well #1.

OIL CONSERVATION DIVISION 2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

January 05, 2000

# CERTIFIED MAIL RETURN RECEIPT NO. Z 142 564 922

Mr. Piter Bergstein Salty Dog Inc. P.O. Box 2724 Lubbock. Texas 79408

Re:

Salty Dog Inc. Water Station

Discharge Plan BW-008 Renewal Application

Dear Mr. Bergstein:

On November 08, 1999 the New Mexico Oil Conservation Division (NMOCD) requested additional information in order to process the renewal application for the Salty Dog Inc. Water Station. On January 03, 2000 the NMOCD received your response and after reviewing the submitted information, it appears Salty Dog Inc.'s response is still deficient. Below are the bullet items that were requested in the November 08, 1999 letter and below each item is NMOCD's response.

Item 1. The renewal application was not signed. Please provide with signature.

Response: Salty Dog. Inc. submitted the signed applications. No further action required on this

item.

Item 2. Please provide to NMOCD Environmental Bureau the signed approved copy of the C-

103's for the recent brine well work over. Please include pressure charts with detail explanation on how test was performed, a typed written detailed description and well bore schematic showing the construction and completion of the well. Please indicate

where leaks were found in the casing and how they were repaired.

Response: The pressure chart date does not match the C-103 description. The C-103 indicated the

test was ran on 8/24/99. The chart is dated 8/25/99 and does not contain sufficient information. Please provide a detail explanation on how test was performed and cross-reference the chart to this explanation. Please include well name and legal location,

recorder information, OCD witness signature, and send in original chart.

The well bore sketch appears to be wrong. The drawing shows an outside water

protection casing. After reviewing the file it appears there is no outside casing for water

protection. Please correct and re-submit.

Item 3. Salty Dog Inc. shall determine and provide the new maximum operating injection

pressure, new average flow rates and formation fracture pressures.

Response: Salty Dog. Inc. provided the maximum operating injection pressure but did not provide

the estimated average flow rates and formation fracture pressure. Please provide this

information.

Mr. Piter Bergstein 01/05/00 page 2

Item. 4.

Please provide a plan to address how Salty Dog Inc. will monitor the brine pond for

leaks.

Response:

Salty Dog Inc. stated "In the event a dike should leak, all drainage would be captured in a natural basin. It is located approximately 1200' south-southwest of the brine station. (see topographic map-figure1)." Please note playa lakes are considered waters of the state and therefore NMOCD cannot accept your plan. Please propose another plan which includes controls to prevent run-off from the facility site, such as berming etc.

In addition, please mark the location of the brine water station and the brine well on the topographic map and re-submit.

Item 5.

Salty Dog Inc. shall submit for NMOCD approval an abatement plan pursuant to 20 NMAC 6.2.4105.A.6 to investigate and abate the groundwater contamination caused by the recent brine well casing leak.

Response:

Salty Dog. Inc.'s commitment to modify the discharge to include ground-water investigation cannot be accepted because it does not follow the procedures listed in 20 NMAC 6.2.4105.A.6 to investigate and remediate (abate) groundwater contamination. The plan submitted was only for investigation and monitoring, no commitment to remediate (abate) groundwater was included. Please re-submit and commit to modifying the discharge plan to include investigation and remediation (abatement) of groundwater pursuant to the above New Mexico Water Quality Control Commission (WQCC) Regulation 20 NMAC 6.2.4105.A.6.

Please note facilities under the authority of a ground-water discharge plan which has been approved by the NMOCD is exempted from parts of the WQCC regulations (Subpart IV -Prevention and Abatement of Water Pollution). Pursuant to 20 NMAC 6.2.4105.A.6, this exemption allows the discharge plan operator to investigate and remediate (abate) ground-water contamination under a less rigorous procedure "provided that such abatement is consistent with the requirements and provisions of WQCC sections 4101, 4103, 4106.C, 4106.E, 4107 and 4112 of this part;". The complete New Mexico Water Quality Control Commission Regulations may be obtained off the Internet at address (www.nmenv.state.nm.us/).

If you require any further information or assistance please do not hesitate to write or call me at (505-827-7155).

Sincerely Yours,

Wayne Price-Pet. Engr. Spec.

Environmental Bureau

cc: OCD Hobbs Office

i, Y

# State of New Mexico Energy, Minerals and Natural Resources Department OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, NM 87501

	DISCHARGE PLAN APPLICATION FOR BRINE EXTRACTION FACILITIES  (Refer to OCD Guidelines for assistance in completing the application.)			
	(Refer to OCD Guidelines for assistance in completing the application.)  RECEIVED  NEW X RENEWAL			
ī.	FACILITY NAME: Salty Dog, Inc.  Operator: Salty Dog, Inc.  Salty Dog, Inc.			
II.	OPERATOR: Salty Dog, Inc.			
	ADDRESS: P. O. Box 2724 Lubbock, Tx 79408			
	CONTACT PERSON: Pieter Bergstein PHONE: 806-74/-/080			
III.	LOCATION: 1 /4 1 /4 Section 5 Township 198 Range 36E  Submit large scale topographic map showing exact location.			
IV.	Attach the name and address of the landowner of the facility site.			
V.	Attach a description of the types and quantities of fluids at the facility.			
VI.	Attach a description of all fluid transfer and storage and fluid and solid disposal facilities.			
VII.	Attach a description of underground facilities (i.e. brine extraction well).			
VIII.	Attach a contingency plan for reporting and clean-up of spills or releases.			
IX.	Attach geological/hydrological evidence demonstrating that brine extraction operations will not adversely impact fresh water.			
X.	Attach such other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders.			
XI.	CERTIFICATION			
	I hereby certify under penalty of law that I have personnaly examined and am familiar with information submitted in this document and all attachments and that, based on my inquiry of the individuals immediately responsible for obtaining the information, I believe that the information is traccurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.			
	Name: Pieter Bergstein Title: Hescelet.			
·	Signature:			

### State of New Mexico Form C-103 perals and Natural Resources Department Energy. Revised 1-1-89 TRICTI OIL CONSERVATION DIVISION WELL API NO. .O. Bux 1980, Hobbs, NM 88240 2040 Pacheco St. DISTRICTI NM 87505 Santa Fe, 5. Indicate Type of Lease P.O. Drawer DD, Artesia, NM 88210 FEE X STATE DISTRICT III 1000 Rio Brazos Rd., Aziec, NM 87410 6. State Oil & Gas Lease No. **SUNDRY NOTICES AND REPORTS ON WELLS** ( DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "API"LICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) 7. Lease Name or Unit Agreement Name Type of Well: MET Krine Well OHER Name of Operato 8. Well No Well Location 980 Feet From The 36 E MPM11 Township. Range 10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3806. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data 11. NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: PUBLICAM REMEDIAL WORK FLUG AHD ABANDON REMEDIAL WORK ALTERING CASING TE MPORABILY ABANDON CHANGE PLANS COMMENCE DRILLING OPNS. PLUG AND ABANDONMENT PULL OR ALTER CASING CASING TEST AND CEMENT JOB OTHER: OTHER: 12. Describe Proposed or Completed Operations (Che : In state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

I have your ally that this information above is the first of complete to the best of my kind of the best of my kind of the best of my kind of the best of my kind of the best of my kind of the best of my kind of the best of my kind of the best of my kind of the best of my kind of the best of my kind of the best of my kind of the best of my kind of the best of my kind of the best of my kind of the best of my kind of the best of my kind of the best of my kind of the best of my kind of the best of my kind of the best of my kind of the best of my kind of the best of my kind of the best of my kind of the best of the best of my kind of the best of the best of my kind of the best of the best of my kind of the best of the best of my kind of the best of the best of my kind of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best	THIS ASST Manager	
TYPECT ANTENNE WALTER Brisco	<u>'</u>	радео еніно. 393-8352
(little 1) - for State Une)	20-	, ,
APPROVING Chies Williams	IIILE Distuit Supervisor	DAN 12/1/95

CONDITATION AFTER MAL, IT AND

### Form C – 103

- 12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including date of starting any proposed work) SEE RULE 1103.
- 8-4-99 Rigged up B.O.F. Well Servicing pulling unit. Pulled tubing out of the hole and strapped for accurate measurement. Went back into the hole with 7 5/8" bit and scraper. Drilled to a depth of 1,875 foot. Pulled out of hole.
- 8-8-99 Tripped into hole with Packer to find hole. Found and isolated hole at 60 ft. Pulled out of the hole.
- 8-9-99 Tripped back into the hole with a Retrievable Bridge Plug and set it at 90 ft.
- 8-10-99 B.J. Services rigged up and performed a squeeze job with 75 sacks of class 'C' cement.
- 8-11-99 Davis Tool rigged up a reverse unit and drilled out cement. Pressured up on casing. Did not hold.
- 8 12 99 B.J. Services rigged up and performed a squeeze job with 75 sacks of class 'C' cement with 2% cacl2 added in.
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- 8 20 99 Production Testing Services rigged up and ran a temperature survey. Top of cement was determined to be at 1,290 ft.

Form C - 103

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  B.J. Services rigged up and pumped class 'C' cement with 2% cal2.
  Circulated 10 bbls of cement back to surface.
- Davis Tool reverse unit drilled out cement. Ran a Mechanical Integrity
  Test at 300 psi. for 15 minutes. It held. Tripped out of hole laying down
  Collars and bit. Tripped back into hole with 2 7/8" J 55, 6.5 tubing
  opened ended with notched collar. Set tubing at 2,534.84. Installed tubing
  head and rigged down.

# Salty Dog, Inc.

The maximum pressure that we use for producing brine water Is 100 psi..

### WELL BORE SKETCH

Hole at 60'

__ Hole Size__<u>12 ¼"</u>___

SURFACE CASING:

Size <u>8 5/8"</u> Weight <u>24# & 32#</u> Grade <u>J-55</u>

Set at 1877' with 850 Sacks Cement

Circulate 200 Sacks to Surface

___ Hole at 250'

_CASING LINER:

Size <u>5 ½"</u> Weight <u>15.50 #</u> Grade <u>J-55</u>

Set at 1829' with 275 Sacks Cement

Circulate 10 bbls Sacks to Surface

TUBING:

Size <u>2 7/8"</u> Weight <u>6.5#</u> Grade <u>J-55</u>

Number of Joints 82 Set at 2534'

Bottom arrangement: Open ended with notched collar

Hole Size 6 1/4"

Salty Dog Inc. is equipped with a surface lined pit. The surface pit has a built – in leak detection system installed in the bottom of the pit. It consists of four inch P.V.C. piping with holes drilled in the pipe. The pipe was installed in trenches 12" deep, then covered with pea gravel. Then the entire bottom of the pit was covered with sand. (See attachment A) Plastic liner was installed over the sand base. (See attachment B – Lined Evaporation Pit Permit No. LP –H-105) The P.V.C. pipe system was manifolded. It exists on the west side of surface pit with four foot riser at the end.

Should the plastic liner develop a leak, it can be detected by daily visual inspection of the riser. In the event a dike should leak, all drainage would be captured in a natural basin. It is located approximately 1200' south – southwest of the brine station. (See topographic map – figure 1)

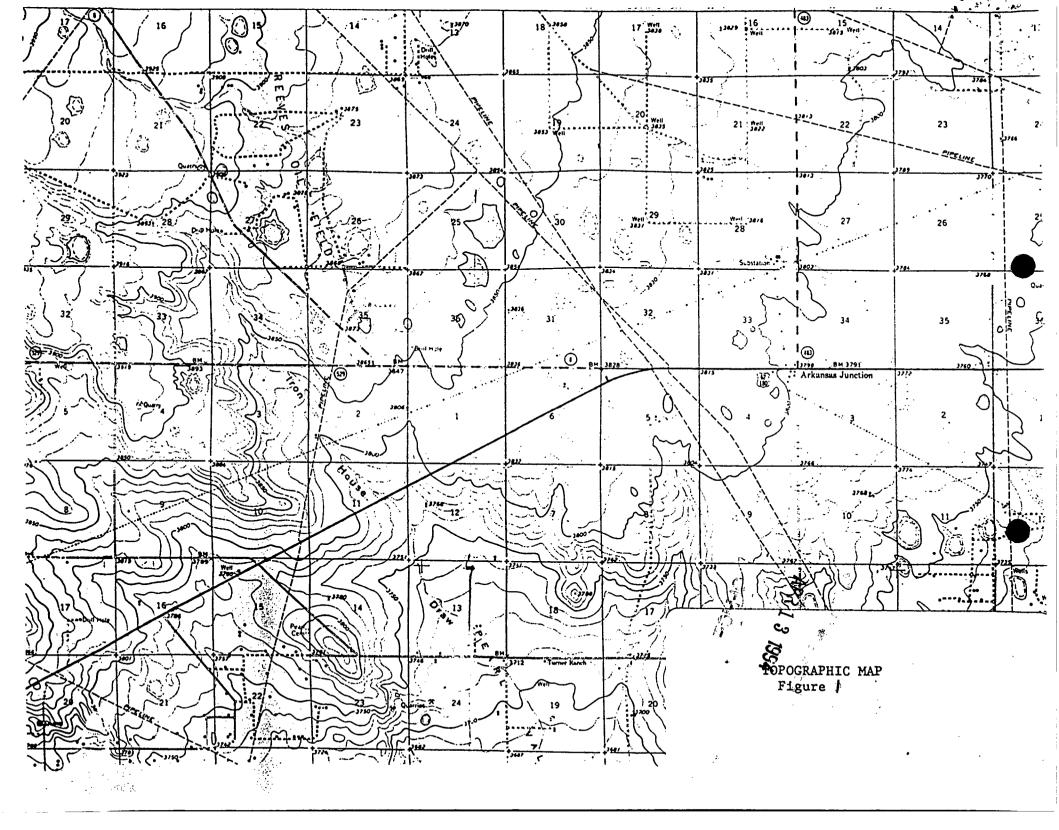
Attach men?

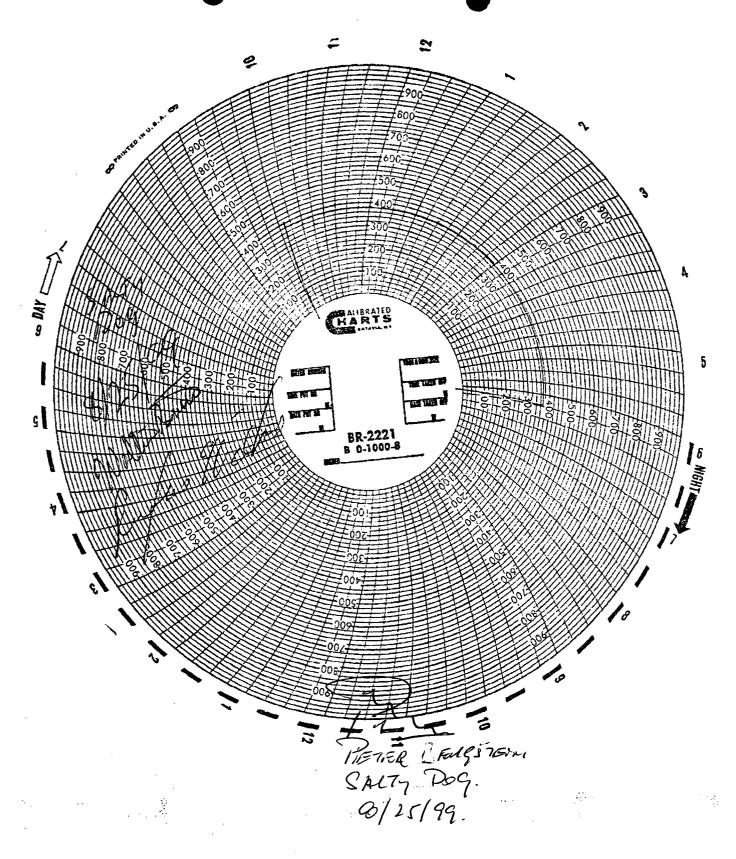
12' DETAIL A DIKE DETAIL RISER -.136* PEA GRAVEL PVC PIPE HOLES LEAK DETECTION SYSTEM LEAK DETECTION SYSTEM DETAIL NATURAL RESOURCES ENGINEERING INC NOTES NB01-001-001 DRAWING NO BRINE STORAGE PIT SHEET 1 OF 1

### APPLICATION FOR PERMIT

PERMIT NO. <u>LP-H-105</u>
Attachment E

to utilize a lined evaporation pit Attachment
New Mexico Oil Conservation Commission
Name of Operator SALTY DAG
Address PO BH 774 Horses PSS40  Name of lease upon which evaporation pit will be located
Brive STORAGE  Location of evaporeotion pit: Unit Letter B Section 5 Township 195 Range 36 E
Lease(s) which will be producing into pit. NA
Pool(s) which will be producing into pit
Analysis of disposal water: Chlorides Apppy 3Tong dissolved solids ppm. (If more than one pool will be producing into pit; give water analysis for each pool.)
Quantity of water to be disposed of into this pit WA. barrels per day.
Water production from these same wells six months ago bpd (If more than one pool will be producing into pit, give water production data for each)
Method of hydrocarbon entrapment to be employed: Settling tank Header pit
If settling tank is to be used, give size and number of barrels
If header pit is to be used, give dimensions and depth
Header pit lining material
Dimensions of Evaporation Pit ("A" and "B" on diagram) /40 × /47
Number of square feet contained in above APPROX 22500
Depth (Top of levee to floor of pit"D" on diagram)
Material to be used as liner Nuco I pure Goodera Thickness 30 mil
Does manufacturer recommend protection of material from direct sunlight? YesNo>
If yes, what means will be provided to so protect the material?
Is material resistant to hydrocarbons? Yes / S No
Is material resistant to acids and alkalis? Yes No No
Is material resistant to salts? Yes FCS No
Is material resistant to fungus? Yes FCS No No
Is material rot-resistant? Yes FRS No No
Will joints in material be fabricated in the field? Yes
If yes, describe method to be used in . ning material
Add of wantertweets brooking describing the qualities of the lining retoric!
Attach manufacturer's brochure describing the qualities of the lining material.  Describe the leakage detection system to be used GRNO OF 4 princ
below hiner - GRIRCLED Y ENCASCO IN 4" (3/4 Brave)
GRADED TO DRIN IN 15" PUC SUMP WITH 4" - FIRSTON
I hereby certify that the information contained herein is true and complete to the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the water free of the water free of oil and other debris.
Name My Saury 308 INC PRES. Date 4-12-82
Approved by JERRY SEXTON Title - Date APR 1 3 1982





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Salty Dog Inc. will commit to an investigation to identify the severity of the ground water contamination. We will start by drilling a monitor well 75 feet east of brine well. This well will be drilled within 30 days of approved renewal application. Salty Dog Inc. will have the responsibility of monitoring this well on a monthly basis for 6 months. If at this time the water is back to acceptable levels, we will start monitoring on a quarterly basis. All records of well monitoring will be filed with the NMOCD Hobbs office.

If it is determined by our investigation that the contamination has spread we will drill another well southeast of brine well and follow the same monitoring procedures as well #1.

B067411301

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
RO Box 2088

P.O. Box 2088 Santa Fe, NM 87501

# DISCHARGE PLAN APPLICATION FOR BRINE EXTRACTION FACILITIES

(Refer to OCD Guidelines for assistance in completing the application.)

	□ NEW □ RENEWAL
ſ.	FACILITYNAME: SALLY DOG Brine Stackou
<u>;</u>	ADDRESS: PO Box 2724 Lubbock TX 79408
	CONTACT PERSON: 176/e Bujle PHONE: 741-1080
11.1.	LOCATION: /4 /4 Section 5 Township 19 Range 36 East Submit large scale topographic map showing exact location.
$\nu^{-1V_{+}}$	Attach the name and address of the landowner of the facility site.  **RECEIVED**
N/ ,	Attach a description of the types and quantities of fluids at the facility.  NOV 10 1999
U V(	Attach a description of the types and quantities of fluids at the facility.  NOV 10 1999  Attach a description of all fluid transfer and storage and fluid and solid discription of Environmental Bureau  Attach a description of underground facilities (i.e. brine extraction well).
/VII.	Attach a description of underground facilities (i.e. brine extraction well).
<b>/</b> 3111.	Attach a contingency plan for reporting and clean-up of spills or releases.
1N.,	Attach geological/hydrological evidence demonstrating that brine extraction operations will not adversely impact fresh water.
W,	Attach such other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders.
NI.	CERTIFICATION
	I hereby certify under penalty of law that I have personnally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information. I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting faise information including the possibility of fine and imprisonment.
	Some: 19Even Gengsveire Title: Veien Distry
por to a second second second	Signature: 12 Date: 11/9/99

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

# State of New Mexico Energy, Minerals and Natural Resources Depuriment OIL CONSERVATION DIVISION

P.O. Box 2088 Santa Fe. NM 87501

## DISCHARGE PLAN APPLICATION FOR BRINE EXTRACTION FACILITIES

(Refer to OCD Guidelines for assistance in completing the application.)

	□ NEW □ RENEWAL
ſ.	FACILITYNAME: SALAY Dog Brine Stockon
H	ADDRESS: PO Box 2724 Lubrock TX 79408
	CONTACT PERSON: 176/e Buj Tex PHONE: 741-1080
117.	LOCATION: /4 /4 Section 5 Township 19 Range 36 East Submit large scale topographic map showing exact location.
N.	Attach the name and address of the landowner of the facility site.  **RECEIVED**
$\cdot = \nabla_{\cdot}$	Attach a description of the more and propriities of fluids at the facility
V VI.	Attach a description of all fluid transfer and storage and fluid and solid concentration Division  Attach a description of underground facilities (i.e. bring extraction well)
/\'II.	Attach a description of underground facilities (i.e. brine extraction well).
×111.	Attach a contingency plan for reporting and clean-up of spills or releases.
18.	Attach geological/hydrological evidence demonstrating that brine extraction operations will not adversely impact fresh water.
W.	Attach such other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders.
XL	CERTIFICATION
	I have personnally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information. I believe that the information is true, uccurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.
	Somme: PRETER BERGETEIN Title: PRESIDENT.
books and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the stat	Signature: 12 Date: 11/9/99

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

OIL CONSERVATION DIVISION 2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

November 9, 1999

# CERTIFIED MAIL RETURN RECEIPT NO. P 410 425 202

Mr. Piter Bergstein Salty Dog Inc. P.O. Box 2724 Lubbock, Texas 79408

Re:

Salty Dog Inc. Water Station

Discharge Plan BW-008 Renewal Application

Dear Mr. Bergstein:

The New Mexico Oil Conservation Division (NMOCD) requires the additional information in order to process the renewal application:

- 1. The renewal application was not signed. Please provide with signature.
- 2. Please provide to NMOCD Environmental Bureau the signed approved copy of the C-103's for the recent brine well work over. Please include pressure charts with detail explanation on how test was performed, a typed written detailed description and well bore schematic showing the construction and completion of the well. Please indicate where leaks were found in the casing and how they were repaired.
- 3. Salty Dog Inc. shall determine and provide the new maximum operating injection pressure, new average flow rates and formation fracture pressures.
- 4. Please provide a plan to address how Salty Dog Inc. will monitor the brine pond for leaks.
- 5. Salty Dog Inc. shall submit for NMOCD approval an abatement plan pursuant to 20 NMAC 6.2.4105.6 to investigate and abate the groundwater contamination caused by the recent brine well casing leak.

If you require any further information or assistance please do not hesitate to write or call me at (505-827-7155).

Sincerely Yours,

Wayne Price-Pet. Engr. Spec.

Environmental Bureau

cc: OCD Hobbs Office



September 13, 1999

Wayne Price Ped Engineer Spec New Mexico Energy, Minerals And Natural Resources Dept. 2040 S Pacheco Santa Fe, NM 87505

Re:

Salty Dog Brine Station

Section 5 Township 195 Range 36E

Dear Mr. Price,

Please except this letter of request to waive your requirement of a sonar log to determine cavity configuration.

We request to offer you a alternate method of calculation by adding up past years barrels produced and divide them by 7 giving the cubic feet of mined salt.

We have visited will Mr. Al Hickerson concerning sonar logs which he explained the complexity.

Over the years Layers of Anahydryde have shifted and closed the original open hole leaving only a tubing size hole.

The sonar log tool is 4 ½ Inc. which we would have to redrill true each layer of Anhydryde view each section shoot off drill collers each time and trip like that until bottom he estimates a expense of about \$50,000.00.

According to Mr. Hickerson this complex and costly procedure will not always guarantee proper results due to cave in and shifting of Anhydryde there are pockets of air difficult to count for.

Hope you will accept our alternative method of calculation due to our favorable well location.

Sincerely.

Pieter Bergstein

P.O. Box 2724 Lubbock, TX 79408 Ph; (806) 741-1080 Fax: (806) 741-1301



September 13, 1999

Wayne Price Ped Engineer Spec New Mexico Energy, Minerals And Natural Resources Dept. 2040 S Pacheco Santa Fe, NM 87505

Re: Salty Dog Brine Station

Section 5 Township 195 Range 36E

Dear Mr. Price,

Please except this letter of request to waive your requirement of a sonar log to determine cavity configuration.

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According to Mr. Hickerson this complex and costly procedure will not always guarantee proper results due to cave in and shifting of Anhydryde there are pockets of air difficult to count for.

Hope you will accept our alternative method of calculation due to our favorable well location.

Sincerely,

Pieter Bergstein



## NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION 2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

August 10, 1999

wayer det 7155

# CERTIFIED MAIL RETURN RECEIPT NO. Z 357 870 120

Mr. Piter Bergstein Salty Dog Inc. P.O. Box 2724 Lubbock, Texas 79408

Re:

Salty Dog, Inc. Water Station Discharge Plan BW-008

Dear Mr. Bergstein:

The groundwater discharge plan BW-008 for the Salty Dog, Inc. Water Station, located in Section 5, Township 19 South, Range 36 East, NMPM, Lea County, New Mexico expired on April 18, 1999. Salty Dog Inc. is hereby ordered to cease operations until they have obtained an approved discharge plan pursuant to section 3-109.A. of the Water Quality Control Commission Regulations. The NMOCD will require the following information if Salty Dog Inc. wishes to renew its operations.

- 1. Submit a discharge plan application pursuant to section 3-106 of the Water Quality Control Commissions Regulations along with a \$50.00 filing fee. NMOCD has enclosed a blank form and a copy of the guidelines for your use.
- 2. Submit a completed Form C-103 for NMOCD approval to investigate the mechanical integrity of the well and a plan to determine cavity configuration.
- 3. Submit all past quarterly reports.
- 4. The NMOCD Environmental Bureau records in Santa Fe, NM indicate the last mechanical integrity test was performed on October 11, 1995. Please provide all records pertaining to this well, i.e. testing, work-over, releases, etc.

If Salty Dog, Inc does not wish to continue operations then please submit a closure plan for NMOCD approval by September 15, 1999.

If you require any further information or assistance please do not hesitate to write or call me at (505-827-7152).

Sincerely Yours,

Roger C. Anderson

cc:

Environmental Bureau

OCD Hobbs District

PIETER BIENGSTEIN

IDEMT.



## NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION 2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

August 10, 1999

wayer Set 2155

#### **CERTIFIED MAIL** RETURN RECEIPT NO. Z 357 870 120

Mr. Piter Bergstein Salty Dog Inc. P.O. Box-2724 Lubbock, Texas 79408

Re:

Salty Dog, Inc. Water Station

Discharge Plan BW-008

Dear Mr. Bergstein:

The groundwater discharge plan BW-008 for the Salty Dog, Inc. Water Station, located in Section 5, Township 19 South, Range 36 East, NMPM, Lea County, New Mexico expired on April 18, 1999. Salty Dog Inc. is hereby ordered to cease operations until they have obtained an approved discharge plan pursuant to section 3-109.A. of the Water Quality Control Commission Regulations. The NMOCD will require the following information if Salty Dog Inc. wishes to renew its operations.

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If Salty Dog, Inc does not wish to continue operations then please submit a closure plan for NMOCD approval by September 15, 1999.

If you require any further information or assistance please do not hesitate to write or call me at (505-827-7152).

Sincerely Yours.

Roger C. Anderson

Environmental Bureau

OCD Hobbs District

#### ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

			,	
	I hereby acknowledge recei	pt of check	No.	dated 9/28/99
	or cash received on	iı	n the amount o	£\$ 50°00°
	from ZIA TRANSPORTS,	INC		
	for SALty Dog BRINE ST	ATION	BU	V-008 -
	Submitted by:	PRICE 1	» Date:	(DP Na.) 10/1/99
	Submitted to ASD by:	7///	Date:	10/1/19
	Received in ASD by:	/ 0	Date:	
	Filing Fee New	Facility		
	Modification			<del></del>
	Organization Code (c.)	(s <del>pendy)</del>		2.10
	Organization Code <u>521.0</u>	<u>7</u> A	bbilcaple ka	2000
	To be deposited in the Wat	er Quality	Management Fu	nd.
	Full Payment or	Annual In	crement	
			·	
<u> </u>				
	ZIA TRANSPORTS, INC. P.O. BOX 513 PH. 505-631-1694 HOBBS, NM 88241		E PLAINS NATIONAL BANK OF WEST TEXAS BBOCK, TEXAS 79408-0271 88-2299-1113	
••	Fifty and 0/100 Dollars			
<b>J</b> an 3	N M O G D	Se	DATE p 28, 1999	7.MOUNT ********\$50.00
to the order	N.M.O.C.D. 2040 S. Pacheco Santa Fe, NM 87505			

Zy Wallace

Memo: BW-008 Salty Dog - Renewal Application Fee

9/28/99

N.M.O.C.D.

\$50.00

ZIA TRANSPORTS, INC. P.O. BOX 513 HOBBS, NM 88240





ATTN: Wayne Price

#### Since 1849. We Read You.

NM OIL CONSERVATION DIV. ATTN: LUPE SHERMAN 2040 SOUTH PACHECO STREET GANTA FE, NM 87505

AD NUMBER: 109636 LEGAL NO:

66103

ACCOUNT: 56689

P.O.#: 00199000278

165 LINES

1 time(s) at \$ 72.64

AFFIDAVITS: 5.25

TAX: TOTAL:

4.87 82.76

AFFIDAVIT OF PUBLICATION

NOTICE OF **PUBLICATION** 

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

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plan application has been submitted to the Director of the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

(BW-08) - Salty Dog Inc., Pieter Bergstein, President, P.O. Box 2724, Lubbock, Texas 79408 has submitted an application for the renewal of a discharge plan for the Arkansas Junction Brine Station, located in Section 5, Township 19 South, Range 36 East NMPM, Lea County, New Mexico. Approximately 90 gallons per minute of brine water with a TDS of approximately 300,000 mg/l is produced for use in the oil industry. Groundwater most likely to be affected by a spill, leak or accidental discharge to the surface is at a depth of approximately 75 feet with a total dissolved solids concentration of 400 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

Any interested person may Legal #66103 obtain further information | Pub. September 22, 1999

from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The Discharge plan application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and a public hearing may be requested by any interested person. Requests for a public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the director will approve or disapprove the proposed plan based on information in the plan and information submitted at the hea-

GIVEN under of the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 16th day of September, 1999.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION LORI WROTENBERY, Director

STATE OF NEW MEXICO COUNTY OF SANTA FE

being first duly sworn declare and AMELA DEACH say that I am Legal Advertising Representative of THE SANTE FE NEW MEXICAN, a daily newspaper published in the English language, and having a general circulation in the Counties of Santa Fe and Los Alamos, State of New Mexico and being a Newspaper duly qualified to publish legal notices and advertisements under the provisions of Chapter 167 on Session Laws of 1937; that the publication a copy of which is hereto attached was published day(s) between 09/22/1999 and in said newspaper 1 09/22/1999 and that the notice was published in the newspaper proper and not in any supplement; the first publication being on the 22 day of September, 1999 and that the undersigned has personal knowledge of the matter and things set forth in this affidavit.

LEGAL ADVERTISEMENT REPRESENTATIVE

Subscribed and sworn to before me on this 22 day of September A.D., 1999

Commission Expires

IL CONSERVATION DIVISION

# The Santa Fe New Mexican

#### Since 1849. We Read You.

NM OIL CONSERVATION DIV.

AD NUMBER: 109652 LEGAL NO: 66104

ACCOUNT: 56689 P.O.#: 0019900278

228 LINES

1 time(s) at \$ 100.38

AFFIDAVITS:

STATE OF NEW MEXICO

5.25

6.60

TAX: TOTAL: 112.23

AFFIDAVIT OF PUBLICATION

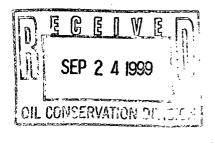
Apports 10/18/27

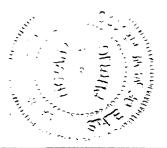
COUNTY OF SANTA FE HAMELA BEACH _ being first duly sworn declare and say that I am Legal Advertising Representative of THE SANTE FE NEW MEXICAN, a daily newspaper published in the English language, and having a general circulation in the Counties of Santa Fe and Los Alamos, State of New Mexico and being a Newspaper duly qualified to publish legal notices and advertisements under the provisions of Chapter 167 on Session Laws of 1937; that the publication a copy of which is hereto attached was published in said newspaper 1 day(s) between 09/22/1999 and 09/22/1999 and that the notice was published in the newspaper proper and not in any supplement; the first publication being on the 22 day of September, 1999 and that the undersigned has personal knowledge of the matter and things set forth in this affidavit.

LEGAL ADVERTISEMENT REPRESENTATIVE

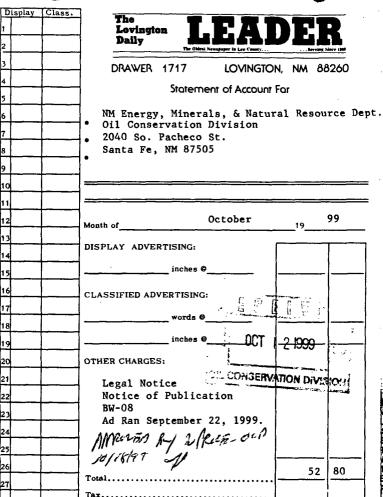
Subscribed and sworn to before me on this 22 day of September A.D., 1999

Commission Expires









Debbie Schilling

Previous Balance. PLEASE PAY

THIS AMOUNT...

Notary Public, Lea County, New Mexico My Commission Expires June 22, 2002

TO A DESCRIPTION OF don't have a problem v State Fair Commiss gang mess." seam gasg

for them. I can't really

may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed discharge plan or its modification, it the Director of the Olivision Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and a public hearing may be requested by any inter-ested person. Requests for a public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed plan based on Information available. If a public hearing is held, the Director will approve or disapprove the proposed plan based on the information in the plan and information submitted the hearing.

GIVEN under the Seal of New Mexico Oil C on servation Commission at Santa Fe, New Mexico, on this 16th day of September, 1999. STATE OF

NEW MEXICO

CONSERVATION DIVISION LORI WROTENBERY, Director

Box Texas

Published in the Lovington Daily Leader September 22, 1999.

GAL NOTICE NOTICE OF UBLICATION STATE OF EW MEXICO IGY, MINERALS ID NATURAL ESOURCES ESOURCES
EPARTMENT
ONSERVATION
DIVISION
Is hereby given
ursuant to New
Water Quality

Commission

ons, the following

pe plan application in submitted to the the Oil

vation 2040 South Pacheco, Santa Fe, New Mexico 87505, Telephone (505)

(BW-08) - Salty Dog Inc., Pleter Bergstein, President, P.O. Box

2724, Lubbock, Texas 79408 has submitted an application for the

renewal of a discharge

827-7131:

52 80

# Affidavit of Pusication

STATE OF NEW MEXICO	)
	) ss.
COUNTY OF LEA	)

Joyce Clemens being first duly sworn on oath deposes and says that she is Advertisting Director of THE LOVINGTON DAILY LEADER, a daily newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as hereinafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

That the notice which is hereto attached, entitled Notice of Publication BW-08

was published in a regular and entire issue of THE LOV-

INGTON DAILY LEADER and not in any supplement there-

of, for <u>One(1) Day</u>, beginning with the issue of <u>September 22</u>, 1999 and ending with the issue

of <u>September 22</u>, 1999.

And that the cost of publishing said notice is the sum of \$\frac{52.80}{\text{Costs}}\$ which sum has been (Paid) as Court Costs.

Subscribed and sworn to before me this day of

September 22, 1999.

Debbie Schilling

Notary Public, Lea County New Mexico My Commission Expires June 22, 2002 LEGAL NOTICE
NOTICE OF
PUBLICATION
STATE OF
NEW MEXICO
ENERGY, MINERALS
AND NATURAL
RESOURCES
DEPARTMENT
OIL CONSERVATION
DIVISION

Notice is hereby given that pursuant New Mexico Water Quality Control Commission Regulations, the following discharge plan application has been submitted to the Director of the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

(BW-08) - Salty Dog fit.,
Pleter Bergstein,
President, P.O. Box
2724, Lubbock, Texas
79408 has submitted an
application for the
renewal of a discharge

plan for the Arkansas Junction Brine Station. located in Section 5, South, Township 19 Range 36 East, NMPM, County, Mexico. Approximately 90 gallons per minute of brine water with a TDS approximately 300,000 mg/l is produced for use in the oil Industry. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 75 feet with a total dissolved solids concentration of 400 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at teast thirty (30) days after the date of Conservation publication of this notice during which comments may be submitted to him and a public hearing may be requested by any interested person. Requests for a public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the Director will approve or disapprove the proposed plan based on the information in the plan and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil C on servation Commission at Santa Fe, New Mexico, on this 16th day of September, 1999.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION

Director

SEAL

Published in the Lovington Daily Leader September 22, 1999.

# Affidavit of Pusication

STATE OF NEW MEXICO	)
	) ss
COUNTY OF LEA :	)

Joyce Clemens being first duly sworn on oath deposes and says that she is Advertisting Director of THE LOVINGTON DAILY LEADER, a daily newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as hereinafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

That the notice which is hereto attached, entitled Notice of Publication BW-08

was published in a regular and entire issue of THE LOV-

INGTON DAILY LEADER and not in any supplement there-

of, for <u>One(1) Day</u>, beginning with the issue of September 22, 1999 and ending with the issue

of September 22 , 1999.

And that the cost of publishing said notice is the sum of \$_____ 52.80 which sum has been (Paid) as Court Costs.

Subscribed and sworn to before me this day of

September 22, 1999.

Debbie Schilling

Notary Public, Lea County, New Mexico My Commission Expires June 22, 2002

plan for the Arkansas Junction Brine Station, located in Section 5. South, 19 Township Range 36 East, NMPM. Lea County, New Mexico. Approximately 90 gallons per minute of brine water with a TDS approximately 300,000 mg/l is produced for use in the oil industry. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 75 feet with a total dissolved solids concentration of 400 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed discharge plan or its modification, the Director of the: Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and a public hearing may be requested by any interested person. Requests for a public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

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

Notice is hereby given that pursuant to New Mexico Water Quality Commission Control Regulations, the following discharge plan application has been submitted to the Director the Oil of Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

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GIVEN under the Seal of New Mexico Oil C o n s e r v a t i o n Commission at Santa Fe, New Mexico, on this 16th day of September, 1999.

CONSERVATION
LORI WROTENBERY,
Director

Published in the Lovington Daily Leader September 22, 1999.

# Affidavit of Pullication

STATE OF NEW MEXICO	)
	) 3
COUNTY OF LEA	•

Joyce Clemens being first duly sworn on oath deposes and says that she is Advertisting Director of THE LOVINGTON DAILY LEADER, a daily newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as hereinafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

That the notice which is hereto attached, entitled:
Notice of Publication BW-012 & BW-027

was published in a regular and entire issue of THE LOVINGTON DAILY LEADER and not in any supplement thereof, for One(1) Day beginning with the issue of
September 29 , 1999 and ending with the issue

of______, 1999.

And that the cost of publishing said notice is the sum of \$82.28 which sum has been (Paid) as

Court Costs.

Subscribed and sworn to before me this day of Setpember 29, 1999.

Debbie Schilling

Notary Public, Lea County, New Mexico My Commission Expires June 22, 2002 LEGAL NOTICE
NOTICE OF
PUBLICATION
STATE OF
NEW MEXICO
ENERGY, MINERALS
AND NATURAL
RESOURCES DEPART-

MENT OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plan applications have been submitted to the Director of the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

(BW-02) - P&\$ Brine Sales, Paul Prather, P.O. Box 7169, Eunice, New Mexico 88231, has sub-

the SW/4 SE/4 of Section 34. Township 21 South. Range 37 East, NMPM, Lea County, New Mexico. An average of 250 barrels per day of brine water with a TDS of approximately 300,000 mg/l is produced for use in the oil industry. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 45 feet with a total dissolved solids concentration of approximately 1400 ma/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed. (BW-012) - Scurlock

mitted an application for

the renewal of a discharge

plan for the P&S Brine

Sales Station, located in

Permian Corporation, James C. Ephraim II, Senior Project Engineer P.O. Box 4648, Houston, Texas, 77210-4648, has submitted an application for the renewal of a discharge plan for the SPC Saline NO. 1 Brine Station, located in the SW/4 SW/4 of Section 36, Township 18 South, Range 37 East, NMPM, County, Lea New 3 Mexico. Up to 400 barrels per day of brine water with a TDS of approximately 300,000 mg/l is produced for use in the oil industry. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 40 feet with a total dissolved solids concentration approximately 400 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(BW-027) - Scurlock Permian Corporation, James C. Ephraim II,

Senior Project Engineer, P.O. Box 4648, Houston, Texas. 77210-4648, has submitted an application for the renewal of a discharge plan for the Carls Brine Station, locate in the SE/4 NW/4 of Section 23, Township 22 South, Range 27 Eddy County. E Mexico. An average 0000 barrels brine water s of approxi-300,000 mg/l is ced for use in the industry. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth from approximately 50 to 200 feet with a total dissolved solids concentration of approximately mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be man-

Any interested person mar obtain further inforfrom the Oil vation Division and bmit written comthe Director of Dil Conservation Division at the address given above. The discharge plan application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed discharge plan or its modification, the Director of the . Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and a public hearing may be requested by any interested person. Requests for a public hearing shall set forth the reasons why a hearing should be held.

A hearing will be held if

the Director determines

there is significant public

interest.

If no public hearing is held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the director will approve or disapprove the proposed plan based on information in the plan and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil C on servation Commission at Santa Fe, New Mexico, on this 22th day of September, 1999.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION LORI WROTENBERY, Director

SEAL Published in the Lovington Daily Leader September 29, 1999.

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Debbie Schilling Notary Public, Lea County, New Mexico My Commission Expires June 22, 2002

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827-7131: (BW-02) - P&\$ Brine

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mitted an application OVINGTON and the renewal of a discha plan for the P&S B Sales Station, located the SW/4 SE/4 of Sec 34, Township 21 So Range 37 East, NMI Lea County, New Mex An average of 250 barr per day of brine water v a TDS of approximat 300,000 mg/l is produc for use in the oil indust Groundwater most like leak, or accidental diffERS WHILE SUPPLIES LAST charge to the suitace is TIVE SEPT. 29 TO OCT. a depth of approximate 45 feet with a total di solved solids concentre tion of approximately 140 mg/l. The discharge pla addresses how spills leaks, and other accider tal discharges to the St face will be managed. (BW-012) Scurloc Permian Corporation James C. Ephraim Senior Project Engineer P.O. Box 4648, Houston Texas, 77210-4648, has submitted an applica-

tion for the renewal of a discharge plan for the SPC Seline NO. 1 Brine Station, located in the SW/4 SW/4 of Section 36, Township 18 South, Range 37 East, NMPM, Lea County, New Mexico. Up to 400 barrels per day of brine water with a TDS of approximately 300,000 mg/l is produced for use in the oil industry. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 40 feet with a total dissolved solids approximately 400 mg/l. The discharge plan addresses how spills, leaks, and other accldental discharges to the surface will be managed.

> (BW-027) Scurlock Permian Corporation, James C. Ephraim II,

interested perso Any interested personal may obtain further information from the C Conservation Division an may submit written con ments to the Director of the Gil Conservation Division at the addres given above. The dis charge plan application may be viewed at the above address betwee 8:00 a.m. and 4:00 p.m Monday through Frida Prior to ruling on any pro posed discharge plan c its modification, the Director of the C Conservation Divisic shall allow at least thin (30) days after the date publication of this notice during which commenmay be submitted to his and a public hearing ma be requested by any inte ested person. Reques for a public hearing sha set forth the reasons wi a hearing should be hel A hearing will be held the Director determine there is significant publ

# Affidavit of Publication

STATE OF NEW MEXICO COUNTY OF LEA

Joyce Clemens being first duly sworn on oath deposes and says that she is Advertisting Director of THE LOVINGTON DAILY LEADER, a daily newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as hereinafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

That the notice which is hereto attached, entitled Notice of Publication BW-012 & BW-027

was published in a regular and entire issue of THE LOV-

INGTON DAILY LEADER and not in any supplement there-

of, for One(1	) Day , beginning with the issue of
September 29	, 1999 and ending with the issue
of Septe	ember 29, 1999.

And that the cost of publishing said notice is the sum of which sum has been (Paid) as Court Costs.

Subscribed and sworn to before me this day of

Setpember 29, 1999.

Debbie Schilling

Notary Public, Lea County, New Mexico My Commission Expires June 22, 2002

LEGAL NOTICE NOTICE OF **PUBLICATION** STATE OF NEW MEXICO ENERGY MINERALS AND NATURAL RESOURCES DEPART-MENT

OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plan applications have been submitted to the Director of the Oil Conservation Division. 2040 South Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

(BW-02) - P&\$ Brine Sales, Paul Prather, P.O. Box 7169, Eunice, New Mexico 88231, has subthe renewal of a discha plan for the P&S B Sales Station, located the SW/4 SE/4 of Sec 34, Township 21 So Range 37 East, NMI Lea County, New Mex An average of 250 bar per day of brine water v a TDS of approximat 300,000 mg/l is produd for use in the oil indus Groundwater most like to be affected by a sp leak, or accidental di a depth of approximate 45 feet with a total di solved solids concentr tion of approximately 14 mg/l. The discharge pla addresses how spills leaks, and other accided tal discharges to the sul face will be managed.

(BW-012)

Permian Corporation James C. Ephraim Senior Project Engined P.O. Box 4648, Houston Texas, 77210-4648, has submitted an application for the renewal of a discharge plan for the SPC Saline NO. 1 Brine Station, located in the SW/4 SW/4 of Section 36, Township 18 South, Range 37 East, NMPM. Lea County, New. Mexico. Up to 400 barrels per day of brine water with a TDS of approximately 300,000 mg/l is produced for use in the oil industry. **Groundwater most likely** to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 40 feet with a total dissolved solids concentration οf approximately 400 mg/l. discharge plan The addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(BW-027) Scurlock Corporation, Permian James C. Ephraim II,

mitted an application OVINGTON and FFERS WHILE SUPPLIES LAST charge to the surface is TIVE SEPT. 29 TO OCT.

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Any interested person may obtain further information from the Oil Conservation Division and may submit written commerits to the Director of the Dil Conservation Division at the address given above. The discharge plan application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed discharge plan or modification, its the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and a public hearing may be requested by any interested person. Requests' for a public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public P.O. Box 2724 Lubbock, TX 79408 Ph: (806) 741-1080 Fax: (806) 741-1301



September 13, 1999

Wayne Price Ped Engineer Spec New Mexico Energy, Minerals And Natural Resources Dept. 2040 S Pacheco Santa Fe, NM 87505

Re:

Salty Dog Brine Station

Section 5 Township 195 Range 36E

Dear Mr. Price,

Please except this letter of request to waive your requirement of a sonar log to determine cavity configuration.

We request to offer you a alternate method of calculation by adding up past years barrels produced and divide them by 7 giving the cubic feet of mined salt.

We have visited will Mr. Al Hickerson concerning sonar logs which he explained the complexity.

Over the years Layers of Anahydryde have shifted and closed the original open hole leaving only a tubing size hole.

The sonar log tool is 4 ½ Inc. which we would have to redrill true each layer of Anhydryde view each section shoot off drill collers each time and trip like that until bottom he estimates a expense of about \$50,000.00.

According to Mr. Hickerson this complex and costly procedure will not always guarantee proper results due to cave in and shifting of Anhydryde there are pockets of air difficult to count for.

Hope you will accept our alternative method of calculation due to our favorable well location.

Pieter Bergstein

Sincerel

P.O. Box 2724 Lubbock, TX 79408



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Wayne Price Ped Engineer Spec New Mexico Energy, Minerals and Natural Resources Dept 2040 S Pacheco Santa Fe, NM 87505

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OIL CONSERVATION DIVISION 2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

#### NOTICE OF PUBLICATION

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

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plan application has been submitted to the Director of the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

(BW-08) - Salty Dog Inc., Pieter Bergstein, President, P.O. Box 2724, Lubbock, Texas 79408 has submitted an application for the renewal of a discharge plan for the Arkansas Junction Brine Station, located in Section 5, Township 19 South, Range 36 East, NMPM, Lea County, New Mexico. Approximately 90 gallons per minute of brine water with a TDS of approximately 300,000 mg/l is produced for use in the oil industry. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 75 feet with a total dissolved solids concentration of 400 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and a public hearing may be requested by any interested person. Requests for a public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the director will approve or disapprove the proposed plan based on information in the plan and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 16th day of September, 1999.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION

LORI WROTENBERY, Director

SEAL

OIL CONSERVATION DIVISIO 2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

September 15, 1999

# CERTIFIED MAIL RETURN RECEIPT NO. Z 274 520 503

Mr. Piter Bergstein Salty Dog Inc. P.O. Box 2724 Lubbock, Texas 79408

Re:

Salty Dog, Inc. Water Station

Discharge Plan BW-008 Renewal Application

Dear Mr. Bergstein:

The groundwater discharge plan BW-008 renewal application for the Salty Dog, Inc. Water Station, located in Section 5, Township 19 South, Range 36 East, NMPM, Lea County, New Mexico is incomplete in the following areas:

- 1. The application and cover letter are not signed. Please sign and send originals.
- 2. Salty Dog only sent one copy. Please send two complete copies to the Santa Fe office and one to the district office.

In order for the New Mexico Oil Conservation to proceed please provide the above information. If you require any further information or assistance please do not hesitate to write or call me at (505-827-7155).

Sincerely Yours.

Wayne Price-Pet. Engr. Spec.

Environmental Bureau

EP 15 1400

Environmental Bureau
Oil Conservation Division

# **SALTY DOG**

Discharge Plan Application for Brine Extraction Facilities



## NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION 2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

August 10, 1999

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SEP 1 5 1999

Environmental Bureau

Oil Conservation Division

#### CERTIFIED MAIL RETURN RECEIPT NO. Z 357 870 120

Mr. Piter Bergstein Salty Dog Inc. P.O. Box 2724 Lubbock, Texas 79408

Re:

Salty Dog, Inc. Water Station

Discharge Plan BW-008

Dear Mr. Bergstein:

The groundwater discharge plan BW-008 for the Salty Dog, Inc. Water Station, located in Section 5, Township 19 South, Range 36 East, NMPM, Lea County, New Mexico expired on April 18, 1999. Salty Dog Inc. is hereby ordered to cease operations until they have obtained an approved discharge plan pursuant to section 3-109.A. of the Water Quality Control Commission Regulations. The NMOCD will require the following information if Salty Dog Inc. wishes to renew its operations.

- 1. Submit a discharge plan application pursuant to section 3-106 of the Water Quality Control Commissions Regulations along with a \$50.00 filing fee. NMOCD has enclosed a blank form and a copy of the guidelines for your use.
- 2. Submit a completed Form C-103 for NMOCD approval to investigate the mechanical integrity of the well and a plan to determine cavity configuration.
- 3. Submit all past quarterly reports.
- 4. The NMOCD Environmental Bureau records in Santa Fe, NM indicate the last mechanical integrity test was performed on October 11, 1995. Please provide all records pertaining to this well, i.e. testing, work-over, releases, etc.

If Salty Dog, Inc does not wish to continue operations then please submit a closure plan for NMOCD approval by September 15, 1999.

If you require any further information or assistance please do not hesitate to write or call me at (505-827-7152).

Sincerely Yours,

Roger C. Anderson Environmental Bureau

**OCD Hobbs District** cc:

P.O. Box 2724 Lubbook, TX 79408 Ph: (806) 741-1080 Paic (809) 741-1301



September 13, 1999

Wayne Price Ped Engineer Spec New Mexico Energy, Minerals And Natural Resources Dept. 2040 S Pacheco Santa Fe, NM 87505 RECEIVED

SEP 1 5 1999

Environmental Bureau Oil Conservation Division

Ke:

Salty Dog Brine Station Section 5 Township 195 Range 368

Dear Mr. Price,

Please except this letter of request to waive your requirement of a sonar log to determine cavity configuration.

We request to offer you a alternate method of calculation by adding up past years barrels produced and divide them by 7 giving the cubic feet of mined salt.

We have visited will Mr. Al Hickerson concerning sonar logs which he explained the complexity.

Over the years Layers of Anahydryde have shifted and closed the original open hole leaving only a tubing size hole.

The sonar log tool is 4 ½ Inc. which we would have to redrill true each layer of Anhydryde view each section shoot off drill collers each time and trip like that until bottom he estimates a expense of about \$50,000.00.

According to Mr. Hickerson this complex and costly procedure will not always guarantee proper results due to cave in and shifting of Anhydryde there are pockets of air difficult to count for.

Hope you will accept our alternative method of calculation due to our favorable well location.

Sincerely,

Pieter Bergstein

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SEP 1 5 1999

Environmental Bureau Oil Conservation Division

### State of New Mexico Energy, Minerals and Natural Resources Department OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, NM 87501

#### DISCHARGE PLAN APPLICATION FOR BRINE EXTRACTION FACILITIES

(Refer to OCD Guidelines for assistance in completing the application.)

	□ NEW   □ RENEWAL
I.	FACILITY NAME: Salty Dog Brine Station
II.	OPERATOR: Salty Dog, Inc.  ADDRESS: PO Box 2724 Lubbock, TX 79408  CONTACT PERSON: Pieter Bergstein PHONE: 741-1080
III.	LOCATION:/4/4 Section5 Township19 Range36 East Submit large scale topographic map showing exact location.
IV.	Attach the name and address of the landowner of the facility site.
V.	Salty Dog, Inc. PO Box 2724 Lubbock, TX 79408  Attach a description of the types and quantities of fluids at the facility.
VI.	Brine water & Fresh water Attach a description of all fluid transfer and storage and fluid and solid disposal facilities. Fresh Water-2 - 750 bbl: capacity welded tanks, brine-5,000 bbl. lines
VII.	Attach a description of underground facilities (i.e. brine extraction well). earth pit.
VIII.	See attached for description of underground facilities Attach a contingency plan for reporting and clean-up of spills or releases.
IX.	See attached for contingency plan for reporting & clean-up of spills. Attach geological/hydrological evidence demonstrating that brine extraction operations will not adversely impact fresh water.  See attached
Χ.	Attach such other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders.
XI.	CERTIFICATION
	I hereby certify under penalty of law that I have personnaly examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.
	Name: Pieter A. Bergstein Title: President
)	Signature: Date: 9/1/99

# WELL BORE SKETCH

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VIII.

Contingency plan for reporting and clean-up of spills

In the event of a line leak from Brine Well to Lined Brine Water Pit:

1st - Shut in Well

2nd - Contain Mess

3rd - Report Leak to NMOCD

4th - Clean up Mess

5th - Report to NMOCD

In the event of a leak at well head:

We have a pressures shut off switch that will shut off the well automatically with a rise or fall in pressure. We have a containment dyke 2 feet high to contain the fluids.

#### INSTRUCTIONS

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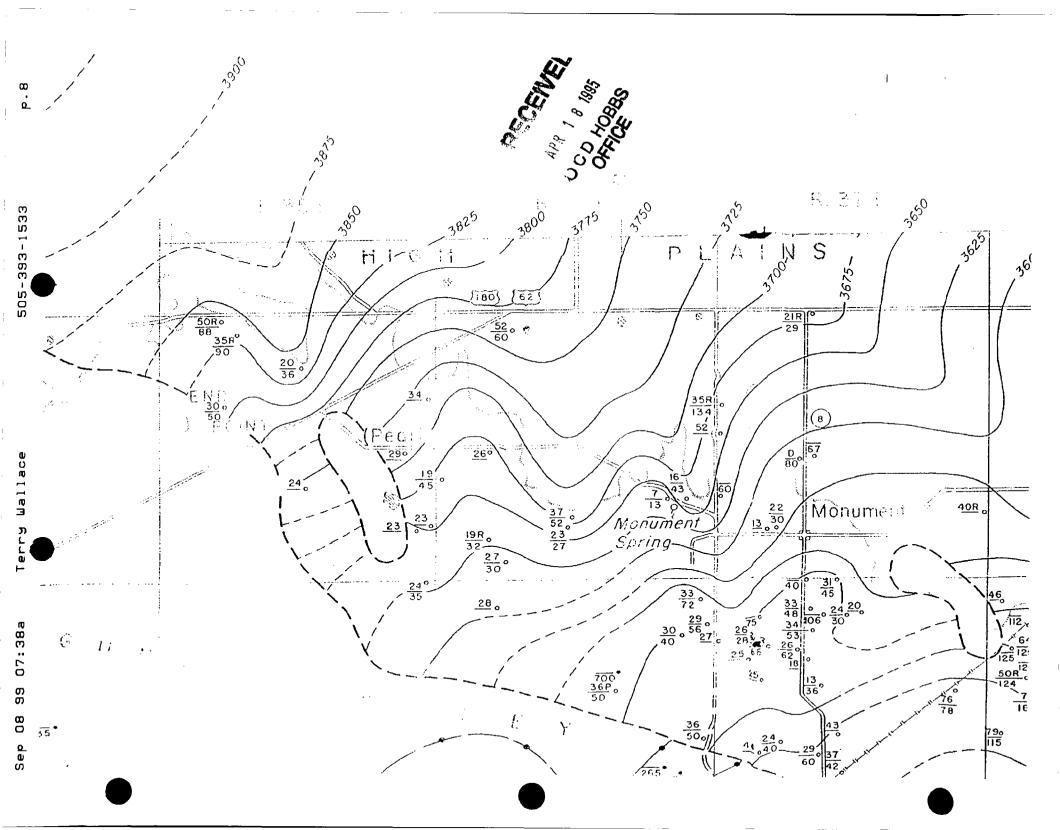
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#### EXPLANATION

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Water well

Upper figure is depth to water; lower figure is depth of well. Open circles are wells finished in Tertiary or Quaternary rocks; solid circles are wells finished in Triassic rocks

F = Flowing

R = Reported

P = Water level measured while pumping

D = Dry

? = Uncertainty as to aquifer

> = More than

<= Less than

(See tables 6 and 7 for detailed well data.)

__ 3925----

Water-table contour in Tertiory or Quaternary rocks

Pashed where inferred or uncertain. Contour interval 25 feet. Datum mean sea level 3500

Water-table or piezometric contour on water body in Triassic aquifers

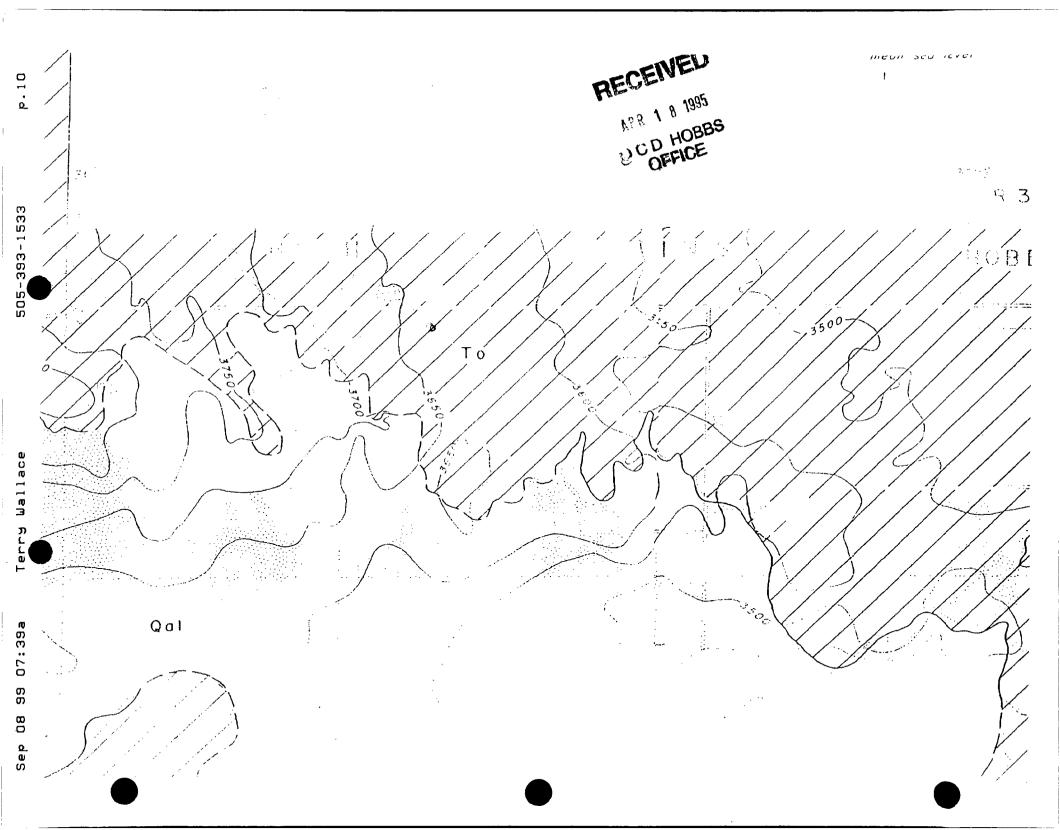
Dashed where inferred or uncertain.

Contour interval 100 feet. Datum

mean sea level

Approximate position of boundary between Triassic rocks and saturated Tertiary and Quaternary rocks

#7



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**EXPLANATION** 



Sand

Thin cover of drift sand in most places: locally dunes 20-40 feet high

Qal

Alluvium

Sand and gravel along dry washes; silt and sond in lake beds: includes some wind-deposited sand around depressions



Ogallala formation

Chiefly sand, poorly to well-cemented with calcium carbonate; contains some clay, silt, and gravel; capped in most places by caliche



DUATERNARY

TERTIARY

Upper Triassic



Cretaceous rocks, undifferentiated Slumped blocks of buff, tan, or white fossiliferous limestone

CRETACEOUS

TRIASSIC



Dockum group

Rc-Chinle formation, red and green claystone, minor siltstone, and fine-grained sandstone; Tes-Sonta Rosa sandstone, red to white poorly sorted, coarse-grained, crossbedded sandstone; Rd -rocks of the Dockum group. undifferentiated

Dashed where approximate or inferred. Contour interval 50 feet. Datum mean seo level

40.30 - - -

Contours on the red-bed surface

(This space for State Use)

CONDITIONS OF APPROVAL, IF ANY:

#### State of New Mexico Form C-103 Submit 3 Copies Energy, Minerals and Natural Resources Department to Appropriate Revised 1-1-89 District Office OIL CONSERVATION DIVISION )|STRICT | P.O. Box 1980, Hodde NM 88240 WELL API NO. 2040 Pacheco St. DISTRICT II Santa Fe. NM 87505 Drawer DD, Artesia, NM 88210 5. Indicate Type of Lease FEE 🔼 STATE 1000 Rio Brazos Rd., Aztec, NM 87410 6. State Oil & Gas Lease No. SUNDRY NOTICES AND REPORTS ON WELLS ( DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A 7. Lease Name or Unit Agreement Name DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) 1. Type of Well: MEIT [ 2. Name of Operator 8. Well No. Well Location 98°C Feet From The 36 E Section Township Range **NMPM** County 10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3866. 6RCheck Appropriate Box to Indicate Nature of Notice, Report, or Other Data 11. NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK ALTERING CASING TEMPORARILY ABANDON CHANGE PLANS COMMENCE DRILLING OPNS. PLUG AND ABANDONMENT OR ALTER CASING CASING TEST AND CEMENT JOB OTHER:_ 12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed (4) Gowork) SEE RULE 1103. Rig up 18.0. F. Pulling UNIT STrap out of Hole, Run 7518 BIT & Seraper IN 1401e To 1875 Foot 8-8-99- Trip IN Hole Wirk Priker Isolphe Hole @ 60' P.O.H. 8-9-94-T. IH WITH Retrivable Bridge Mus Set @ 90' .. 8-10-94 - Rig up B. J And do Squeeze Job With 75 SACKS CLASS "C" CEMENT

7-11-99 - Rig up Davis Tool Reverse unit & Drill out coment Pressure up Did Not Hold 8-12-99 - Rig up B.J. And do Squeeze Job With 75 SACKS C+ 29 CACL2 9-13-99 - Drill OUT CEMENT Did NOT Hold 8-14-99- Rig up 13. J. And do Squeeze Job With 75 Smeks C + 28 CACLZ 7-16 99- Dolli out coment Pressure up 500 Past 15 min Held Pressure, Pull R.B.P & Tillt With Pressure To 1850 Foot Set Packer & Try To Pressure up on 85/8 Wield NOT Pressure up. I So Inted Another Hole @ APProx 250' P.O.H. I hereby certify that the information above us true and complete to the best of my knowledge and belief.

TYPEORPRINTNAME WALTER Brisco

TELEPHONE NO. 393-8352

APPROVED BY	TITLE	DATE

his space for State Use)

8-18-99 - Run 5/2 J-55 15.50 CSg SET @ 1,828,88 T.D.

8-19-99 - Rig Up B.J. Services & Cement CSg With 275 SACKS

Class C' Cement 28 CACL2. Pid NOT Circ To Surface.

8-20-99 - Rig up Production Testing Services & Run Temperture

Survey, Top of Cement @ 1,290'

8-23-99 - Rig up Black WARRICK Wireline And performe @ 1,280'

Rig up B.J Services & Cement With Class C + 28 CACLE

Cement, Circ 10 BB2s To Surface,

8-24-99 - Drill Out Cement. Run M.I.T 300 P.S.I 15 Min

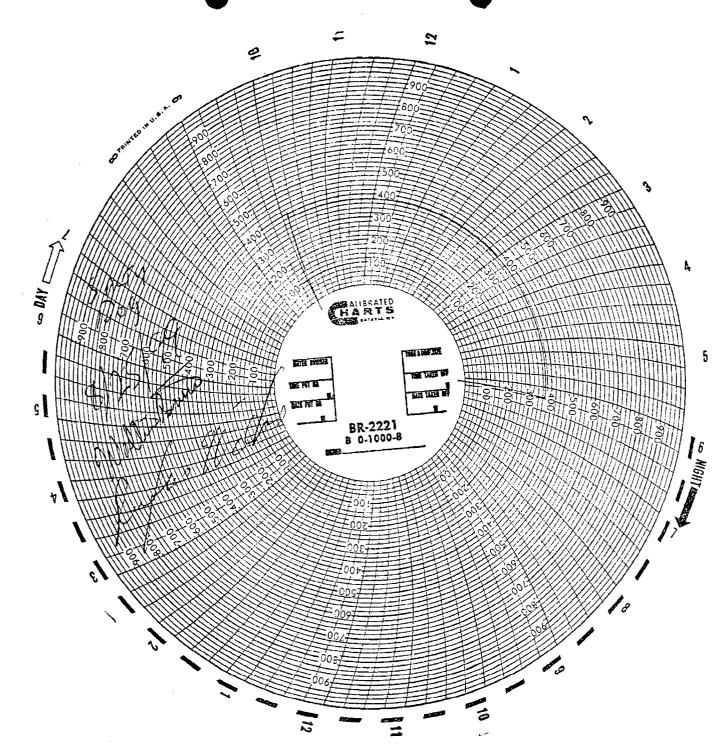
Held OK. T.O.H. Lag Deun Collars & Bit T.I H With

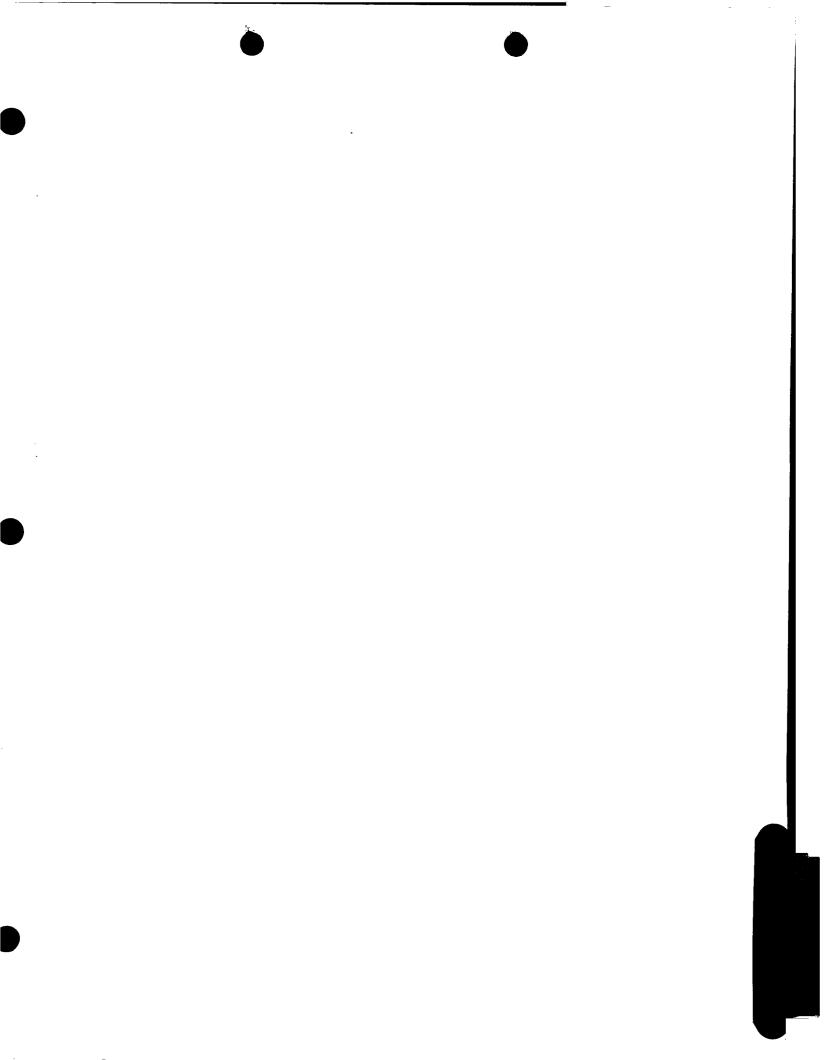
278 J.55 6.5 wt Tubing Open Ended With Norchel Collar,

Set @ 2,534,84 T.D. Install Tubing Head & Rig Down.

# Salty Dog Quality Barrell Productions

1 st qtr	1996	53,963
2 nd atr	1996	17,050
3 rd atr	1996	34,410
4 th qtr	1996	42,847
1 st qtr	1997	60,554
2 nd qtr	1997	18,243
3 rd qtr	1997	26,425
4 th qtr	1997	49,650
1 st qtr	1998	12,256
2 nd atr	1998	11,455
3 rd qtr	1998	15,873
4 th qtr	1998	4,079
at		
1 st qtr 2 nd qtr	1999	8,457
2 nd qtr	1999	24,239
3 rd qtr	1999	





Hobbs, NM 88241-1980

District III - (505) 334-6178 1000 Rio Brazos Road

Artesia, NM 88210

Aztec, NM 87410

District I - (505) 393-6161 P. O. Box 1980 District II • (505) 748-1283 811 South First

State of New Mexico

Energy Minerals and Natural Resources Department Oil Conservation Division

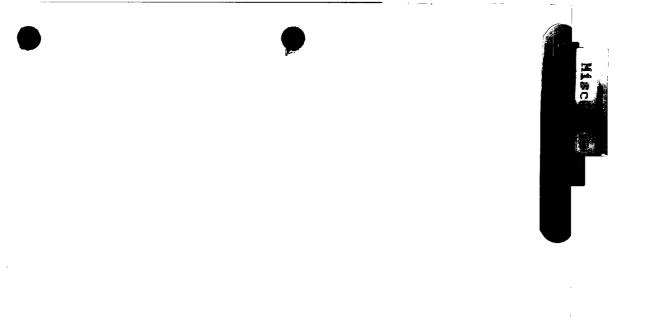
2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

Form C- 141 Originated 2/13/97

Submit 2 copies to Appropriate District Office in accordance with Rule 116 on back side of form

<u>District IV</u> - (505) 827-7131	•	back side of for
Release Notificat	ion and Corrective Action	
	OPERATOR	☐ Initial Report ☐ Final Repo
Name Salty Dog Inc.	Contact Torry Way	,
Address P.O. Box 2724 Libbock TX	79408 Telephone No. 505-393-	
Facility Name		
Salty Dog	Brine Wa	ter station
Surface Owner Mineral Owner		Lease No.
1 9 / 1	בייועצ	Brine
	ON OF RELEASE	
Unit Letter Section Township Range Feet from the North/South  T 5 193 36E 1980 South	10-	ounty Lea
NATURI	OF RELEASE	
Type of Release Bring Water	Volume of Release	Volume Recovered
Source of Release	Date and Hour of Occurrence	Date and Hour of Discovery
Hole in Casing	July 29 1999	
Was Immediate Notice Given?  Yes No Not Required	If YES, To Whom?  Gary Wink	Och
Snyder Ranches	Date and Hour July 30 199	
Was a Watercourse Reached? Yes No	If YES, Volume Impacting the W	
If a Watercourse was Impacted, Describe Fully (Attach Additional Sheets If Necess:  Snyder Ranches has a Fresh water with A Representative informed Mr. Wink  To defermine Salt in Fresh water  Describe Cause of Problem and Remedial Action Taken (Attach Additional Sheets If	that reter was solly	ds From Bine Well. Test were done
Well was shut in fulling Unit Packer was set to determine wher Ran 5/2 Casing and Comented to	e holo was. Squeeze jo. Sur face	b-Fix hole.
Describe Area Affected and Cleanup Action Taken. (Attach Additional Sheets If Nece  A New Frosh Weter well was  Existing water well. Water is		I.E. ot
Existing water Well. Water is	O.K.	
I hereby certify that the information given above is true and complete to the best of my known are required to report and/or file certain release notifications and perform corrective action a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of contamination that pose a threat to ground water, surface water, human health or the envioperator of responsibility for compliance with any other federal, state, or local laws and	owledge and understand that pursuant to NM( is for releases which may endanger public health liability should their operations have failed to a	OCD rules and regulations all operators  n or the environment. The acceptance of
Signanne Tillallace	OIL CONSER	VATION DIVISION 
Printed Name: Terry Wallace	Approved by District Supervisor:	
ide: Manager	Approval Date:	Expiration Date:
Date: 9-8+99 10 [Thone 505-202 035-2	Conditions of Approval:	Accepted







PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 . 101 E. MARLAND . HOBBS, NM 88240

**ANALYTICAL RESULTS FOR** SALTY DOG, INC. P.O. BOX 513 HOBBS, NM 88240 FAX TO: (505) 393-1533

Receiving Date: 09/10/99 Reporting Date: 09/10/99 Project Number: NOT GIVEN Project Name: NOT GIVEN

Project Location: NOT GIVEN

Analysis Date: 09/10/99 Sampling Date: 09/10/99 Sample Type: WATER

Sample Condition: COOL & INTACT

Sample Received By: GP

Analyzed By: AH

		CI [—]	
LAB NUMBER	SAMPLE ID	(mg/L)	
H4323-1	CONT. FW WELL	507	
H4323-2	WW TO BRINE W.	1622	-Storage Tank
H4323-3	SNYDER RANCH OFFICE	53	1
H4323-4	BRINE PIT	209900	
Quality Control		1014	
True Value QC		1000	
% Recovery		101	
Relative Percent	Difference	4.7	
METHOD: Standard	1 Methods	4500-CIB	

weetoff Cook



PHONE (915) 873-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR OIL CONSERVATION DIV. ATTN: GARY W. WINK 1525 FRENCH DR. HOBBS, NM 88240 FAX TO: (505) 393-0720

Receiving Date: 08/13/99
Reporting Date: 08/14/99
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN

Analysis Date: 08/14/99 Sampling Date: 08/13/99 Sample Type: WATER

Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: AH

LAB NUMBER SAMPLE ID CIT (mg/L)

H4283-1 SALTY DOG BRINE 5877
STATION

Quality Control 966
True Value QC 1000
% Recovery 96.6
Relative Percent Difference 5.2

Ruy MARSON

**METHOD: Standard Methods** 

Date

4500-CIB

H4283.XLS

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or ton, shall be limited to the amount paid by client for analyses. All claims, including those for nepligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within thiny (30) days after completion of the applications, including those for nepligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within thiny (30) days after completion of the application of the special cause of the special cause of the performance of services hereunder by Cardinal, regardless of whether such claim to based upon any of the above-stated reasons or otherwise.



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79803

PHONE (505) 393-2328 • 101 E. MARLAND • HOBBS, NM 88240

**ANALYTICAL RESULTS FOR** OCD-STATE OF NEW MEXICO ATTN: D WILLIAMS 1625 N. FRENCH

FAX TO:

**HOBBS, NM 88240** 

Receiving Date: 08/02/99

Reporting Date: 08/02/99

Project Number: NOT GIVEN Project Name: LARRY SQUIRES

Project Location: NOT GIVEN

Analysis Date: 08/02/99

Sampling Date: 08/02/99

Sample Type: GROUNDWATER Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: AH

LAB NUMBER	SAMPLE ID	Cl (mg/L)
H4259-1	0802991400	5379
Quality Control		1016
True Value QC		1000
% Recovery		102
Relative Percent	Difference	3.9
METHOD: Standard	Methods	4500-CIB

H4259.XLS

September 11, 1999

CERTIFIED MAIL
RETURN RECEIPT NO. Z 357 870 158

Mr. Piter Bergstein
Salty Dog Inc.
P.O. Box 2724
Lubbock, Texas 79408

Re:

Mechanical Integrity Testing of Brine Supply Wells

Dear Mr. Piter Bergstein:

The Underground Injection Control Program of the Federal Safe Drinking Water Act requires that operators demonstrate mechanical integrity of all injection wells by ensuring there are no leaks in the tubing, casing, or packer, and injected/produced fluids are confined within the piping and injection zones.

The Oil Conservation Division (OCD) requires operators of brine supply wells to perform the following mechanical integrity test:

- 1. At least once every five years isolate the cavern formation from the casing/tubing annuals and pressure test the casing at 300 psig for 30 minutes. New brine wells and wells being worked over will have to be tested in this manner before operations begin.
- 2. Annually perform an open hole cavern formation pressure test by pressuring up the formation one and one-half times the normal operating pressure (not to exceed formation fracture pressure) or 300 psig whichever is greater for four hours. Brine supply wells operating with packers will have to pressure both the cavern formation and casing/tubing annuals.

Please find enclosed an OCD Brine Well Test Schedule and Test Procedure for this Fall October 25, 1999 through November 2, 1999. Please have your well ready for testing on the date and time you are schedule. Operators will be responsible for providing equipment and shall bear all costs incurred. All test must be witnessed by the New Mexico Oil Conservation Division.

If you require any further information or assistance please do not hesitate to write or call me at (505-827-7155).

Sincerely Yours,

Wayne Price-Pet. Engr. Spec.

Environmental Bureau

cc: OCD District Offices

attachments- OCD Brine Well Test Schedule & Brine Well Testing Procedure Guidance Document

A Eunice Brine Station October 25 1999 9:30 am Eunice Brine Station October 25 1999 11 am Rowland Truckers #2 October 26 1999 8 am Hobbs Station October 26 1999 9:30 am Arkansas-Jct October 26 1999 9:30 am Arkansas-Jct October 27 1999 9:30 am Warren -McKee #3 October 27 1999 11 am Warren -McKee #4 October 27 1999 1:30 pm Tatum Water St. October 28 1999 1:30 pm Crossroads October 28 1999 1 am Duckeye October 28 1999 9:30 am Narthon Road October 28 1999 9:30 am November 1 1999 9:30 am November 1 1999 9:30 am November 1 1999 9:30 am Rowland Truckers November 1 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am November 2 1999 9:30 am Novem	Company P&S Brine	DP# 8W-002	Facility Name  Eunice Eunice Water ST	Date of Test October 25 1999	Start 8 am	Stop 12 noon	Type of Test(s) Required Isolate cavern & pressure test casing + Cavern su
BW-018	Simms-McCasland		Eunice Brine Station		9:30 am	1:30 pm	Isolate cavern & pressure test casing + Cavern su
BW-018   Rowland Truckers #2   October 26 1999   8 am   12 noon   130 pm   12 noon   130 pm   130 pm   130 pm   14 am   3 pm   14 am   3 pm   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am   15 am	Goldstar	BW-028	Eunice Brine Station		11 am	3 pm	Pressure test cavem
BW-012   Hobbs Station   October 26 1999   9:30 am   1:30 pm	Key Energy	** BW-018	Rowland Truckers #2	October 26 1999	0	12 noon	Pressure test cavern + Cavern survey***
BW-008   Arkansas-Jct   October 26 1999   11 am   3 pm   BW-025   Salado Brine St. #2   October 27 1999   8 am   12 noon   Warren McKee #3   October 27 1999   1:30 pm   5:30 pm   5:30 pm   5:30 pm   5:30 pm   5:30 pm   5:30 pm   5:30 pm   5:30 pm   5:30 pm   5:30 pm   5:30 pm   5:30 pm   5:30 pm   5:30 pm   5:30 pm   5:30 pm   5:30 pm   5:30 pm   5:30 pm   5:30 pm   5:30 pm   5:30 pm   5:30 pm   5:30 pm   5:30 pm   5:30 pm   5:30 pm   5:30 pm   5:30 pm   5:30 pm   5:30 pm   5:30 pm   5:30 pm   5:30 pm   5:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30 pm   7:30	Scurlock-Permian	** BW-012	Hobbs Station	October 26 1999	<u>a</u>	1:30 pm	Isolate cavern & pressure test casing + Cavern su
Salado Brine Sales  *** BW-025   Salado Brine St. #2   October 27 1999   8 am   12 noon	Salty Dog, Inc.	** BW-008	Arkansas-Jct	October 26 1999	<u> </u>	3 pm	Pressure test cavem + Cavern survey***
## BW-001   Wairen -Mickee #3   October 27 1999   1:30 pm   5:30 pm   ## BW-001   Wairen -Mickee #4   October 27 1999   1:30 pm   5:30 pm   ## BW-002   Tatum Water St.   October 28 1999   9 am   1 pm   ## BW-013   Crossroads   October 28 1999   9 am   1 pm   ## BW-014   BW-015   Marthon Road   October 29 1999   9 am   1 pm   ## BW-015   Marthon Road   October 29 1999   9 am   1 pm   ## BW-015   Marthon Road   October 29 1999   9 am   1 pm   ## BW-015   Marthon Road   October 29 1999   9 am   1 pm   ## BW-015   SE of Artesia   November 1 1999   9 am   1 pm   ## BW-016 &6A   Carisbad Yard   November 1 1999   9:30 am   1:30 pm   ## BW-027 &27A   Carisbad Brine St.   November 2 1999   9:30 am   1:30 pm   ## BW-027 &27A   Carisbad Brine St.   November 2 1999   11 am   3 pm   ## BW-027 &27A   Carisbad Brine St.   November 2 1999   11 am   3 pm   ## BW-027 &27A   Carisbad Brine St.   November 2 1999   11 am   3 pm   ## BW-027 &27A   Carisbad Brine St.   November 2 1999   11 am   3 pm   ## BW-027 &27A   Carisbad Brine St.   November 2 1999   11 am   3 pm   ## BW-027 &27A   Carisbad Brine St.   November 2 1999   11 am   3 pm   ## BW-027 &27A   Carisbad Brine St.   November 2 1999   11 am   3 pm   ## BW-027 &27A   Carisbad Brine St.   November 2 1999   11 am   3 pm   ## BW-027 &27A   Carisbad Brine St.   November 2 1999   11 am   3 pm   ## BW-027 &27A   Carisbad Brine St.   November 2 1999   11 am   3 pm   ## BW-027 &27A   Carisbad Brine St.   November 2 1999   11 am   3 pm   ## BW-027 &27A   Carisbad Brine St.   November 2 1999   11 am   3 pm   ## BW-027 &27A   Carisbad Brine St.   November 2 1999   11 am   ## BW-027 &27A   Carisbad Brine St.   November 2 1999   11 am   ## BW-027 &27A   Carisbad Brine St.   November 2 1999   11 am   ## BW-027 &27A   Carisbad Brine St.   November 2 1999   11 am   ## BW-027 &27A   Carisbad Brine St.   November 2 1999   11 am   ## BW-027 &27A   Carisbad Brine St.   November 2 1999   11 am   ## BW-027 &27A   Carisbad Brine St.   November 2 1999   11 am   ## BW-027 &27A   Carisbad Brine St.	Quality Oil (Salado Brine Sales)		Salado Brine St. #2	October 27 1999	<u>0</u>	12 noon	+ 1
BW-001   Warren -McKee #4   October 27 1999   130 pm   5:30 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm	Conoco		Warren -McKee #3	October 27 1999	O	5:30 pm	Isolate cavern & pressure test casing
Service   BW-022   Tatum Water St.   October 28 1999   9 am   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1	Conoco		Warren -McKee #4	October 27 1999	ਾਹਾ	5:30 pm	Isolate cavern & pressure test casing
Service   BW-013   Crossroads   October 28 1999   11 am   3 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm	dality Brine	BW-022	Tatum Water St.	October 28 1999	00 1	1 pm	Pressure test cavern
BW-004   Buckeye   October 29 1999   9 am   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm   1 pm	Kenneth Tank Service	BW-013	Crossroads	October 28 1999	00	3 pm	Pressure test cavern
ne St. BW-015 Marthon Road October 29 1999 11 am 3 pm recr. BW-021 Loco Hills November 1 1999 9 am 1 pm recr. BW-005 SE of Artesia November 1 1999 11 am 3 pm recr. BW-006 &6A Carisbad Yard November 2 1999 11 am 3 pm recr. BW-019 Rowland Truckers November 2 1999 9:30 am 1:30 pm recr. BW-027 &27A Carisbad Brine St. November 2 1999 11 am 3 pm recr. BW-027 &27A Carisbad Brine St. November 2 1999 11 am 3 pm recr. BW-027 &27A Carisbad Brine St. November 2 1999 11 am 3 pm recr. BW-027 &27A Carisbad Brine St. November 2 1999 11 am 3 pm recr. BW-027 &27A Carisbad Brine St. November 2 1999 11 am 3 pm recr. BW-027 &27A Carisbad Brine St. November 2 1999 11 am 3 pm recr. BW-027 &27A Carisbad Brine St. November 2 1999 11 am 3 pm recr. BW-027 &27A Carisbad Brine St. November 2 1999 11 am 3 pm recr. BW-027 &27A Carisbad Brine St. November 2 1999 11 am 3 pm recr. BW-027 &27A Carisbad Brine St. November 2 1999 11 am 3 pm recr. BW-027 &27A Carisbad Brine St. November 2 1999 11 am 3 pm recr. BW-027 &27A Carisbad Brine St. November 2 1999 11 am 3 pm recr. BW-027 &27A Carisbad Brine St. November 2 1999 11 am 3 pm recr. BW-027 &27A Carisbad Brine St. November 2 1999 11 am 3 pm recr. BW-027 &27A Carisbad Brine St. November 2 1999 11 am 3 pm recr. BW-027 &27A Carisbad Brine St. November 2 1999 11 am 3 pm recr. BW-027 &27A Carisbad Brine St. November 2 1999 11 am 3 pm recr. BW-027 &27A Carisbad Brine St. November 2 1999 11 am 3 pm recr. BW-027 &27A Carisbad Brine St. November 2 1999 11 am 3 pm recr. BW-027 &27A Carisbad Brine St. November 2 1999 11 am 3 pm recr. BW-027 &27A Carisbad Brine St. November 2 1999 11 am 3 pm recr. BW-027 &27A Carisbad Brine St. November 2 1999 11 am 3 pm recr. BW-027 &27A Carisbad Brine St. November 2 1999 11 am 3 pm recr. BW-027 &27A Carisbad Brine St. November 2 1999 11 am 130 pm recr. BW-027 &27A Carisbad Brine St. November 2 1999 11 am 130 pm recr. BW-027 &27A Carisbad Brine St. November 2 1999 11 am 130 pm recr. BW-027 &27A Carisbad Brine St. November 2 1999 11 am 130 pm recr. BW-027 &27A Carisbad Brine	WasserHaun	BW-004	Buckeye	October 29 1999	ועם	1 pm	Pressure test cavern
Vater Ser.  BW-005  SE of Artesia  November 1 1999  9 am 1 pm 1 pm 1 pm 1 pm 1 pm 1 pm 1 pm 1	Marathon Brine St.	BW-015	Marthon Road	October 29 1999	100	3 pm	Pressure test cavern
Vater Ser.       BW-005       SE of Artesia       November 1 1999       11 am       3 pm       F         rucking       BW-006 &6A       Carlsbad Yard       November 2 1999       8 am       12 noon       F         nergy-Carlsbad       BW-019       Rowland Truckers       November 2 1999       9:30 am       1:30 pm       F         ck/Permian       *** BW-027 &27A       Carlsbad Brine St.       November 2 1999       11 am       3 pm         Discharge Plan up for renewal       SE of Artesia       November 2 1999       9:30 am       1:30 pm         Carlsbad Brine St.       November 2 1999       11 am       3 pm         Discharge Plan up for renewal       Companies have the option to perform now         Cavern Surveys are Discharge Plan Requirments       Companies have the option to perform now	Loco Hills Brine	BW-021	Loco Hills	November 1 1999	00	1 pm	Pressure test cavern
BW-006 &6A Carlsbad Yard November 2 1999 8 am 12 noon Fergy-Carlsbad BW-019 Rowland Truckers November 2 1999 9:30 am 1:30 pm Fermian ** BW-027 &27A Carlsbad Brine St. November 2 1999 11 am 3 pm Fermian Surveys are Discharge Plan Requirments Companies have the option to perform now are at a later date approved by OCD.	Jims Water Ser.	BW-005	SE of Artesia	November 1 1999	20	3 pm	Pressure test cavern
nergy-Carlsbad BW-019 Rowland Truckers November 2 1999 9:30 am 1:30 pm Fok/Permian ** BW-027 &27A Carlsbad Brine St. November 2 1999 11 am 3 pm St. November 2 1999 11 am 3 pm St. November 2 1999 11 am 3 pm St. November 2 1999 11 am 3 pm St. November 2 1999 11 am 3 pm St. November 2 1999 11 am 3 pm St. November 2 1999 11 am 3 pm St. November 2 1999 11 am 3 pm St. November 2 1999 11 am 3 pm St. November 2 1999 11 am 3 pm St. November 2 1999 11 am 3 pm St. November 2 1999 11 am 3 pm St. November 2 1999 11 am 3 pm St. November 2 1999 11 am 3 pm St. November 2 1999 11 am 3 pm St. November 2 1999 11 am 3 pm St. November 2 1999 11 am 3 pm St. November 2 1999 11 am 3 pm St. November 2 1999 11 am 3 pm St. November 2 1999 11 am 3 pm St. November 2 1999 11 am 3 pm St. November 2 1999 11 am 3 pm St. November 2 1999 11 am 3 pm St. November 2 1999 11 am 3 pm St. November 2 1999 11 am 3 pm St. November 2 1999 11 am 3 pm St. November 2 1999 11 am 3 pm St. November 2 1999 11 am 3 pm St. November 2 1999 11 am 3 pm St. November 2 1999 11 am 3 pm St. November 2 1999 11 am 3 pm St. November 2 1999 11 am 3 pm St. November 2 1999 11 am 3 pm St. November 2 1999 11 am 3 pm St. November 2 1999 11 am 3 pm St. November 2 1999 11 am 3 pm St. November 2 1999 11 am St. November 2 1999 11 am St. November 2 1999 11 am St. November 2 1999 11 am St. November 2 1999 11 am St. November 2 1999 11 am St. November 2 1999 11 am St. November 2 1999 11 am St. November 2 1999 11 am St. November 2 1999 11 am St. November 2 1999 11 am St. November 2 1999 11 am St. November 2 1999 11 am St. November 2 1999 11 am St. November 2 1999 11 am St. November 2 1999 11 am St. November 2 1999 11 am St. November 2 1999 11 am St. November 2 1999 11 am St. November 2 1999 11 am St. November 2 1999 11 am St. November 2 1999 11 am St. November 2 1999 11 am St. November 2 1999 11 am St. November 2 1999 11 am St. November 2 1999 11 am St. November 2 1999 11 am St. November 2 1999 11 am St. November 2 1999 11 am St. November 2 1999 11 am St. November 2 1999 11 am St. Novembe	&W Trucking	BW-006 &6A	Carlsbad Yard	November 2 1999	8 am	12 noon	
ck/Permian ** BW-027 &27A Carlsbad Brine St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. November 2 1999 11 am 3 pm  The provided High St. N	Key Energy-Carlsbad		Rowland Truckers	November 2 1999	9:30 am	1:30 pm	Pressure test cavern
Discharge Plan up for renewal Cavern Surveys are Discharge Plan Requirments of a later date approved by OCD.	Scurlock/Permian	1 - 1	Carlsbad Brine St.	November 2 1999	11 am	3 pm	Isolate cavern & pressure test casing + Cavern su
Discharge Plan up for renewal Cavern Surveys are Discharge Plan Requirments of the state after date approved by OCD.	Notes:						
Cavern Surveys are Discharge Plan Requirments are at a later date approved by OCD.							
	ļ	e Plan Requirment	1 _	on to perform now			
	ale at a later date approved o	y CCD.					

#### **Brine Well Testing Procedure Guidance Document**

- 1) The cavern and all piping must be filled, pressured up and stabilized for a period of at least 24 hours prior to testing. If this test requires a packer then casing/tubing annulus must be loaded with inert fluid 24 hours prior to testing.
- 2) Have manpower and equipment available for pressure test. Well head shall be prepared for test and all valves and gauges should be in good working order.
- 3) Pressure devices i.e pumps, truck pumps, etc. must be isolated from the well head before and during test.
- 4) A continuous recording pressure chart with an 8 hour clock shall be installed on the casing/tubing annulus. The pressure range shall not be greater than 1,000 psig. The operator must provide proof that the recording device has been calibrated within the past 6 months. Note: Wells with packer installed: If this test requires both the casing/tubing annulus and cavern to be tested then two recording devices must be supplied or one recording device with two pins.
- 5) A minimum of one pressure gage shall be installed in the system.
- 6) OCD must witness the beginning of test (putting chart on) and ending of test (removing chart). At the end of test operator shall bleed-off pressure by 10% to demonstrate recorder response.
- 7) The following information shall be place on the chart:
  - 1. Date, time test started, time stop.
  - 2. Company name, Discharge Plan #, well name and number, legal location UL, section, township, range and county.
  - 3. Type of Test; Open hole, Casing Test, or Both.
  - 4. Printed name and signature of company representative and OCD representative.

Note: NMOCD recognizes that different operations, well constructions and field conditions may cause variations in the above procedures. If operator wishes to make or anticipate changes please notify the OCD for approval.

Sep 08 99 09:08a

District I - (505) 393-6161 P. O. Box 1980

Hebbs, NM 88241-1980

Aztec, NM 87410

ry Wallace

B-1533

p. 1

State of New Mexico

(505) 827-7131

Energy Minerals and Natural Resources Department Bistrict II - (505) 748-1283 811 South First Artesla, NM 88210 District III - (505) 334-6178 1000 Rio Brazos Road Oil Conservation Division 2040 South Pacheco Street Santa Fe, New Mexico 87505

Form C-141 Originated 2/13/97

Submit 2 copies to Appropriate District Office in accordance with Rule 116 on back side of form

District IV - (505) 827-7131					
Release Notification	n and Correct	tive Action			
	PERATOR			nitial Report	Final Rep
Salty Dog. Inc.	Contac	Torry W	allace	2	
Address P.O. Box 2724 Libbock TX 7	9408 Teleph	oneNa 505-39:			
Ficility Name	Facility				
Salty Vog		Brine W.	ater_	5/2/101	<del></del>
Frater Bergstein Mineral Owner 59	ליחוטן		C.	ease No.	
LOCATION	OF RELEAS	E			
Unit Letter Section Township Range Feet from the North/South LL	ne Feet from the	Easy/West Line	County		
NATURE	OF RELEASE				
Type of Release Brine Witer	Volume	of Release		Volume Recover	ed /A
Source of Release Hole in Casing	Date an	d Hour of Occurrence		Date and Hour of	Discovery
Was Immediate Notice Given? Yes No Not Required		To Whom? . Gary Wint	Oct		
Snyder Ranches		nd Hour			
Was a Watercourse Reached? Yes No	IFYES.	Volume Impacting U	re Watercom	rse.	
If a Waterburse was Impacted, Describe Fully (Attach Additional Sheets If Necessal Snyder Ranches has a Fresh water we A Representative informed Mr. Wink To deformine Solt in Fresh work	Il approxim	rately sol	yards . Xy. 7	From Ba Test wer	me Well. e done
Describe Cause of Problem and Remedial Action taken (Accach Additional Sheets If)  Well was shutin. Pulling Unit  Packer was set to determine when	recessary) sexop. e hole wa	s. Squeeze	j•b-F1	x hole,	
Ran 5/2 Casing and Comented to Describe Area Affected and Cleanup Action Taken. (Attach Additional Sheets II Neces					
A New Fresh Water well was	drilled 1	50 yds	N.E.	or	
Existing Water Well. Water 15	O.K.				
hereby certify that the information given above is true and complete to the best of my known receptions and perform corrective actions are required to report and/or file certain release notifications and perform corrective actions C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of institution that pose a threat to ground water, surface water, human health or the environment of responsibilities (or compliance with any other federal, state, or local laws and	r for releases which m iability should their c onment. In addition	ay endanger public l merations have faile	realth of the d to adequat	environment. The	remediate
ignoure In Wallace		OIL COV	SERVATIO 	N DIVISION	
Trued Name: Torry Wallace	Approved by District Superviso	r:			
ide: Manager	Approval Date:		Expits	ation Date:	
Date: 9-8-99 Fhone: 505-201-835.2	Conditions of A	proval:		Attached	ليا

RECEIVED

SEP 1 0 1999

Environmental Bureau Oil Conservation Division

September 3, 1999

# CERTIFIED MAIL RETURN RECEIPT NO. Z 357 870 144

Mr. Piter Bergstein Salty Dog Inc. P.O. Box 2724 Lubbock, Texas 79408

Re:

Salty Dog, Inc. Water Station

Discharge Plan BW-008

Dear Mr. Bergstein:

Pursuant to our telephone conversation on Aug 30, 1999 please find enclosed a copy of the previously approved Discharge Plan and requirements. Also enclosed is the minutes of the telephone conversation conclusions and agreements. Please note the complete discharge plan file can be reviewed in either our Hobbs or Santa Fe offices.

If you require any further information or assistance please do not hesitate to write or call me at (505-827-7155).

Sincerely Yours,

Wayne Price-Pet. Engr. Spec.

**Environmental Bureau** 

cc: OCD Hobbs Office

attachments-2



# STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION 2040 S. PACHECO SANTA FE. NEW MEXICO 87505 (505) 827-7131

April 20, 1995

# CERTIFIED MAIL RETURN RECEIPT NO. Z-765-962-837

Mr. Jack Clark Salty Dog, Inc. P.O. Box 1438 Hobbs, NM 88240

Re: Discharge Plan BW-008

Salty Dog, Inc. Water Station Lea County, New Mexico

#### Dear Mr. Clark:

The groundwater discharge plan renewal, BW-008, for the Salty Dog, Inc. Salty Dog Water Station, located in Section 5, Township 19 South, Range 36 East, NMPM, Lea County, New Mexico, is hereby approved under the conditions contained in the enclosed attachment. The original application was approved on December 18, 1982 with an expiration date of December 18, 1987. It was subsequently renewed on April 18, 1989 with an expiration date of April 18, 1994. The discharge plan consists of the renewal application dated May 11, 1994 and the additional information received April 19, 1995.

The discharge plan renewal was submitted pursuant to section 3-106 of the Water Quality Control Commission Regulations. It is approved pursuant to section 3-109.A. Please note Section 3-109.F., which provides for possible future amendment of the plan. Please be advised that approval of this plan does not relieve you of your liability should your operation result in actual pollution of surface or ground waters or the environment which may be actionable under other laws and/or regulations.

Please be advised that all exposed pits, including lined pits and open top tanks (exceeding 16 feet in diameter) shall be screened, netted, or otherwise rendered nonhazardous to wildlife including migratory birds.

Mr. Jack Clark April 20, 1995 Page 2

Please note that Section 3-104 of the regulations requires that "when a plan has been approved, discharges must be consistent with the terms and conditions of the plan." Pursuant to Section 3-107.C. you are required to notify the Director of any facility expansion, production increase, or process modification that would result in any change in the discharge of water quality or volume.

Pursuant to Section 3-109.G.4., this approval is for a period of five years. This approval will expire April 18, 1999, and an application for renewal should be submitted in ample time before that date.

The discharge plan renewal application for the Salty Dog, Inc. Salty Dog Water Station is subject to the WQCC Regulation 3-114 discharge plan fee. Every billable facility submitting a discharge plan will be assessed a fee equal to the filing fee of fifty (50) dollars plus one half of the flat rate or six hundred and ninety dollars (\$690.00) for brine station discharge plans. The fifty (50) dollar filing fee and the six hundred and ninety dollar (\$690.00) flat fee have not been received by the Oil Conservation Division, and shall be submitted on receipt of this approval. The required flat fee may be paid in a single payment or in five equal installments over the expected duration of the discharge plan. Installment payments shall be remitted yearly, with the first installment due on the date of the discharge plan approval.

Please make all checks payable to: NMED-Water Quality Management and addressed to the OCD Santa Fe Office.

On behalf of the staff of the Oil Conservation Division, I wish to thank you and your staff for your cooperation during this discharge plan review.

Sincerely,

William J. LeMay

Director

WJL/mwa Attachments

xc: Eddie Seay, Peak Consulting Services, Hobbs, NM

Jerry Sexton, OCD Hobbs Office Wayne Price, OCD Hobbs Office

# ATTACHMENT TO THE DISCHARGE PLAN BW-008 APPROVAL SALTY DOG, INC. SALTY DOG, INC, WATER STATION DISCHARGE PLAN REQUIREMENTS (April 20, 1995)

- 1. The fifty (50) dollar filing fee and the six hundred and ninety dollar (\$690.00) flat fee shall be submitted on receipt of this approval. The required flat fee may be paid in a single payment or in equal installments over the expected duration of the discharge plan. Installment payments shall be remitted yearly, with the first installment due on the date of the discharge plan approval and subsequent installments due on this date of each calendar year.
- 2. <u>Brine Transfer Lines:</u> All Below-grade brine transfer lines will be tested for integrity once every five years.
- 3. <u>Sump Construction:</u> All new or rebuilt sumps and below-grade tanks will be approved by the OCD prior to installation and will incorporate secondary synthetic containment and leak detection in their designs. All leak detection systems will be inspected weekly and the OCD Santa Fe office will be notified immediately upon discovery of fluids in any leak detection system.
- 4. <u>Drum Storage:</u> All chemical and lubrication drums shall be stored on pad and curb type containment.
- 5. <u>Tank Berming:</u> All tanks that contain materials other than fresh water will be bermed to contain one and one-third times the capacity of the tank.
- 6. <u>Spill Containment:</u> All brine storage and transfer will be managed in such a manner to keep brine off of the ground surface. Any brine spilled onto the ground surface will be cleaned up upon discovery.
- 7. Spill Reporting: All spills and/or leaks shall be reported to the OCD Santa Fe and Hobbs offices pursuant to WOCC Rule 1-203 and OCD Rule 116.
- 8. <u>Production Method:</u> Fresh water shall be injected down the tubing of the injection well and brine shall be recovered up the tubing of the recovery well. Reverse flow will be allowed once a month for up to 24 hours for clean out.
- 9. <u>Maximum Injection Pressure:</u> The maximum operating injection pressure at the well head will be such that the fracture pressure of the injection formation (Salado) will not be exceeded. Prior to initiating injection Salty Dog, Inc. Salty Dog Water Station shall supply and obtain approval for the maximum and average injection pressures and

Mr. Jack Clark April 20, 1995 Page 4

injection volumes.

- 10. Mechanical Integrity Testing: A mechanical integrity test will be conducted on the well annually. A pressure equal to one and one-half of the normal operating pressure will be maintained for four hours. The OCD will be notified at least 72 hours prior to the test so that the OCD may witness the test.
- 11. <u>Cavity Configuration:</u> A test will be conducted to determine the size and configuration of the mined cavity prior to discharge plan renewal (April 18, 1999). The method and time of testing will be approved by the OCD prior to performing the test.
- 12. <u>Production/Injection Volumes:</u> The volumes of fluids injected (fresh water) and produced (brine) will be recorded monthly and submitted to the OCD Santa Fe Office quarterly.
- 13. Well Workover Operations: OCD approval will be obtained from the director prior to performing remedial work or any other workover. Approval will be requested on OCD Form C-103 "Sundry Notices and Reports on Wells" (OCD Rule 1103-A) with appropriate copies sent to the OCD Hobbs District office.
- 14. <u>Closure:</u> The OCD will be notified when operations of the facility is discontinued for a period in excess of six months. Prior to closure of the facility a closure plan will be submitted for approval by the director. Closure and waste disposal will be in accordance with the statutes, rules and regulations in effect at the time of closure.



## NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

Jennifer A. Salisbury

Oil Conservation Div. Environmental Bureau 2040 S. Pacheco Santa Fe, NM 87505

### **Memorandum of Meeting or Conversation**

TelephoneX Personal	
Time: 9:15 as <b>Date:</b> Aug 36	m 0, 1999
Originating Party:	Roger Anderson, Wayne Price-OCD
Other Parties:	Piter Bergstein-Salty Dog Inc.
Subject:	Salty Dog Inc. Water Station- BW-008
Discussion:	
Discharge plan permi	t process and OCD's Aug 10, 1999 letter.
Conclusions or Agre	ements:
must receive informat	operations until Salty Dog receives an approved discharge plan. OCD tion as requested in OCD letter Aug. 10, 1999. Salty Dog must submit Cor groundwater contamination. OCD will send copy of previous discharge
CC: Salty Dog. In	<b>c.</b>



# NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT



Jennifer A. Salisbury CABINET SECRETARY

Oil Conservation Div. Environmental Bureau 2040 S. Pacheco Santa Fe, NM 87505

#### **Memorandum of Meeting or Conversation**

TelephoneX Personal	
<b>Time:</b> 9:15 as <b>Date:</b> Aug 30	m O, 1999
Originating Party:	Roger Anderson, Wayne Price-OCD
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Subject:	Salty Dog Inc. Water Station- BW-008
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Discharge plan permi	t process and OCD's Aug 10, 1999 letter.
Conclusions or Agre	ements:
must receive informat	operations until Salty Dog receives an approved discharge plan. OCD tion as requested in OCD letter Aug. 10, 1999. Salty Dog must submit Cor groundwater contamination. OCD will send copy of previous discharge
Signed: //////	il ( mi
CC: Salty Dog. In	c.



August 10, 1999

#### <u>CERTIFIED MAIL</u> <u>RETURN RECEIPT NO. Z 357 870 120</u>

Mr. Piter Bergstein Salty Dog Inc. P.O. Box 2724 Lubbock, Texas 79408

Re:

Salty Dog, Inc. Water Station

Discharge Plan BW-008

Dear Mr. Bergstein:

The groundwater discharge plan BW-008 for the Salty Dog, Inc. Water Station, located in Section 5, Township 19 South, Range 36 East, NMPM, Lea County, New Mexico expired on April 18, 1999. Salty Dog Inc. is hereby ordered to cease operations until they have obtained an approved discharge plan pursuant to section 3-109.A. of the Water Quality Control Commission Regulations. The NMOCD will require the following information if Salty Dog Inc. wishes to renew its operations.

- 1. Submit a discharge plan application pursuant to section 3-106 of the Water Quality Control Commissions Regulations along with a \$50.00 filing fee. NMOCD has enclosed a blank form and a copy of the guidelines for your use.
- 2. Submit a completed Form C-103 for NMOCD approval to investigate the mechanical integrity of the well and a plan to determine cavity configuration.
- 3. Submit all past quarterly reports.
- 4. The NMOCD Environmental Bureau records in Santa Fe, NM indicate the last mechanical integrity test was performed on October 11, 1995. Please provide all records pertaining to this well, i.e. testing, work-over, releases, etc.

If Salty Dog, Inc does not wish to continue operations then please submit a closure plan for NMOCD approval by September 15, 1999.

If you require any further information or assistance please do not hesitate to write or call me at (505-827-7152).

Sincerely Yours,

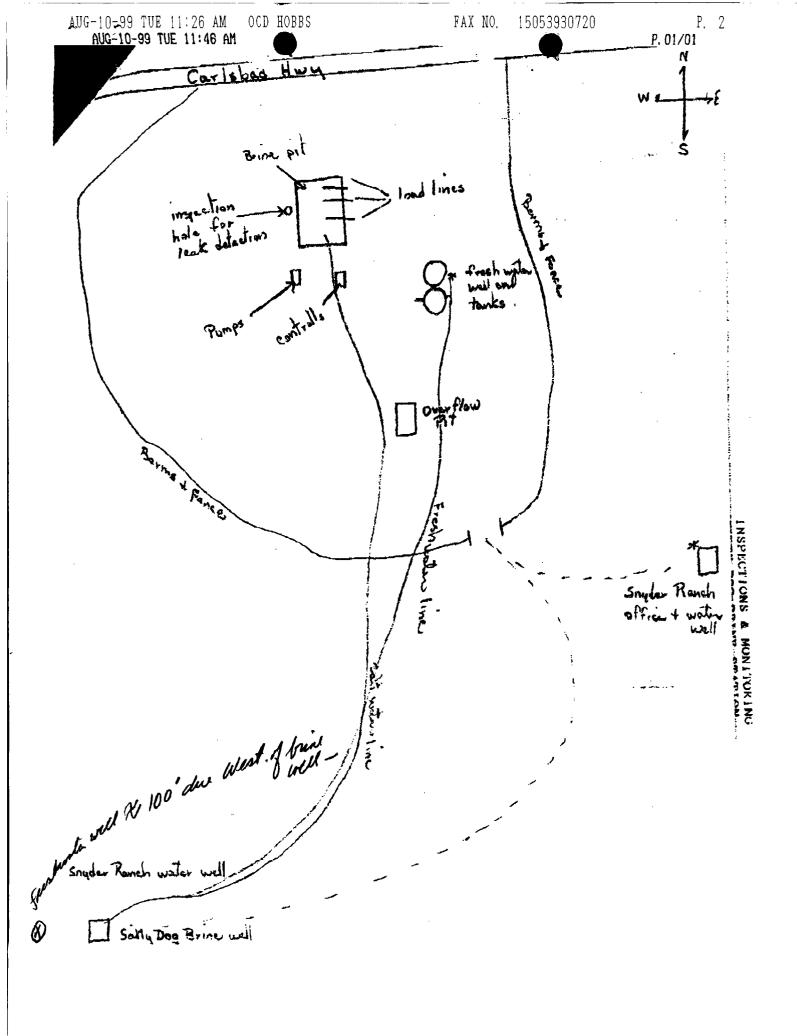
Roger C. Anderson Environmental Bureau

cc: OCD Hobbs District

#### STATE OF NEW MEXICO

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**DONNA WILLIAMS** 



#### Price, Wayne

From:

Price, Wayne

Sent:

Wednesday, August 04, 1999 2:45 PM Anderson, Roger; Bill Olson Williams, Chris

To:

Cc:

Subject:

Salty Dog Brine St. BW-008

District I has received a groundwater complaint from Larry Squires landowner. Mr. Squires has a fresh water well in very close proximity 100-200 feet to the brine well. This well has just come up contaminated with approximately 5700 ppm of chlorides.

District I ask Salty Dog owner to shut well in until it can be checked!

History: Approximately 6 months to one year ago District I notify us that Sonny's trucking Co. operator of brine well went out of business. 3-4 months ago Gary Wink Called and lets us know that someone was operating the brine system. Gary investigated and found out it was Piter Bergstein of Lubbock, Texas. I called Mr. Bergstein and notified him that he is required to make notification concerning the transfer of the Brine St. Discharge Plan. He indicated he would do that. As of this date we have not received anything from him, also the discharge plan has since expired!

I recommend we keep Salt Dog shut in until they receive an approved plan!

Please advise!





















Zia Salty Dog 8/27/2004 BW - <u>8</u>

## GENERAL CORRESPONDENCE

YEAR(S):

1998 - 1982



OIL CONSERVATION DIVISION 2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

April 28, 1998

#### CERTIFIEDMAIL RETURNSRECEIMEN® P=288-259=061

Mr. Jack Clark Salty Dog, Inc. P.O. Box 1438 Hobbs, NM 88240

RE: Quarterly Reports:
Salty Dog., Inc., Water Station (BW-008)
Lea County: New Mexico

Dear Mr. Clark

As a condition of discharge plan approval, all brine facilities are required to submit quarterly reports listing, by month, the volumes of fluids injected and produced. The New Mexico Oil Conservation Division had not received any quarterly reports for the above mention brine facility. Please update all delinquent quarterly reports by June 29, 1998.

If Salty Dog has any questions, please contact me at (595) 827-7155.

Sincerely,

Mark Ashley Geologist

xc: OCD Hobbs Office

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US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail (See reverse)
Sent to
Street & Number
Post Office, State, & ZIP Code
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OIL CONSERVATION DIVISION 2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

MAR 1 3 1998

OIL CONSERVATION DIVISION

February 17, 1998

### CERTIFIED MAIL RETURN RECEIPT NO. P-288-259-020

Mr. Jack Clark Salty Dog, Inc. P.O. Box 1438 Hobbs, NM 88240

Re:

Discharge Plan Fees BW-008 Salty Dog, Inc. Water Station Lea County, New Mexico

Dear Mr. Clark:

On April 20, 1995, Salty Dog, Inc. received, via certified mail, a letter from the New Mexico Oil Conservation Division (OCD) stating that the discharge plan BW-008 for Salty Dog Water Station was approved. In that letter it also stated that, in accordance with Water Quality Control Commission Regulation (WQCC) 3114, a \$50 filing fee and a \$690 flat fee were required upon receipt of the approval letter. The \$50 filing fee and two installment payments (\$138 each) of the flat fee have been received by the OCD. As of this date, there is a remaining amount of \$414. The last installment received by the OCD was May 20, 1996. Please submit the remaining \$414 flat fee in full by March 17, 1998.

Please make all checks payable to: **NMED-Water Quality Management** and addressed to the OCD Santa Fe Office.

If you have any questions, please contact me at (505)-827-7152 or Mark Ashley at (505) 827-7155.

Sincerely,

Rogér Anderson

Environmental Bureau Chief

RCA/mwa

cc: OCD Hobbs Office

## ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASE

I hereby acknowledge receipt of check No.

or cash received on	_ in the amount of \$ 414.00
from Salty Dog	
for Salty Dog Water Sta	BW-008
Submitted by:	Date:
Submitted to ASD by: PC	Date: 3/27/9/
Received in ASD by:	Date:
Filing Fee New Facility	Renewal
Modification Other	
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SALTY DOG INC. P. O. BOX 2265 505-392-5300. HOBBS, NM 88241	3-1/19_78 95-7227/3070 2058
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OIL CONSERVATION DIVISIO 2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

February 17, 1998

## CERTIFIED MAIL RETURN RECEIPT NO. P-288-259-020

Mr. Jack Clark Salty Dog, Inc. P.O. Box 1438 Hobbs, NM 88240

Re: Discharge Plan Fees BW-008

Salty Dog, Inc. Water Station

Lea County, New Mexico

Dear Mr. Clark:

On April 20, 1995, Salty Dog, Inc. received, via certified mail, a letter from the New Mexico Oil Conservation Division (QCD) stating that the discharge plan BW-008 for Salty Dog Water Station was approved. In that letter it also stated that, in accordance with Water Quality Control Commission Regulation (WQCC) 3114, a \$50 filing fee and a \$690 flat fee were required upon receipt of the approval letter. The \$50 filing fee and two installment payments (\$138 each) of the flat fee have been received by the OCD. As of this date, there is a remaining amount of \$414. The last installment received by the OCD was May 20, 1996. Please submit the remaining \$414 flat fee in full by March 17, 1998.

Please make all checks payable to: NMED-Water Quality Management and addressed to the OCD Santa Fe Office.

If you have any questions, please contact me at (505) 827-7452 for Mark Ashley at (505) 827-7155.

PS F

Sincerely,

Rogér Anderson

Environmental Bureau Chief 🔑

RCA/mwa

cc: OCD Hobbs Office

orm <b>3800</b> , April 1995											
Postmark or Date	TOTAL Postage & Fees	Return Receipt Showing to Whom, Date, & Addressee's Address	Return Receipt Showing to Whom & Date Delivered	Restricted Delivery Fee	Special Delivery Fee	Certified Fee	Postage	Post Office, State, & ZIP Code	Street & Number	US Postal Service Receipt for Certif No Insurance Coverage Pro Do not use for International Sent to	
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## ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt	of check No dated _/20
or cash received on	in the amount of \$ 138.0
from Salty Dog	
for	BW-008
Submittsi by:	ФР Мы • Data:
Submitted to ASD by:	Quel en Date: 5/20/96
Received in ASD by: M. Qui	
Filing Fee New Fac	•
ModificationOther	——————————————————————————————————————
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## ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of chec	
or cash received on $\frac{5}{10/95}$	in the amount of \$ 188.00
from Salty Dog Inc	
sor Salty Dog Brune	BW 008
(Facility Nutfo)	(OP Na.)
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Submitted to ASD by: Kogu Colon	den_ Date: 5/12/95
Received in ASD by:	
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#### STATE OF NEW MEXICO NMOCD District I

RECE VED 195 APR 19 PM 8 52

#### INTER-OFFICE MEMO

To file:	Texaco Inc.					
Date: Time: Telephone call:	April 17, 1995 9:40 am X Meeting: Other:					
Person called or attending:						

REFERENCE: Sonny's Trucking Co.

Subject: Inquiry on possible violation

Larry Lehman-Texaco USA Environmental Rep.

#### Comments:

Larry Lehman called and ask me if I knew anything about the rumor of Sonny's Trucking Co. dumping water on roads. He was concerned that it might be Texaco's water.

I informed him that I had information of water being dumped on the ground at the Salty Dog Brine Station. I gave him the time and date and indicated that the Santa Fe environmental group and the district personnel were notified. I told Mr. Lehman this was public information and he is welcome to come in and look at their file.

Wayne Price ////////////////
NMOCD Environmental Engineer-District I

cc: Jerry Sexton-District I Supervisor

Gary Wink-Field Rep. II

Roger Anderson-Environmental Bureau Chief

Larry Lehman-Texaco USA





#### MEMORANDUM OF MEETING OR CONVERSATION

	·					
Telephone	Persona	nl	Time & 9.4°A.	•	Date 4/17/45	
	Originati	ing Party			Other Parties	
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#### STATE OF NEW MEXICO

#### ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

#### OIL CONSERVATION DIVISION

POST OFFICE BOX 1980 HOBBS, NEW MEXICO 88241-1980 (505) 393-6161 OIL CONSERVATION DIVISION RECEIVED

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#### MEMORANDUM:

TO:

Jerry Sexton

FROM:

Gary W. Wink Hww

DATE:

April 17, 1995

SUBJECT: Sonny s Oilfield Service

On Monday, April 10, 1995. Wayne bride. Environments' Engineer in Hobbs, District I, informed me that he had observed a Sonny a Wilfield transport driver discharging washout fluids onto the ground. The driver, Mike Jones, indicated to Wayne that his dispatcher has instructed him to wash out at Salty Deg Brine Station instead of going back to town.

I then went to talk to Jack Clark at Sonny's office. located in Hobba.

I reminded Mr. Clark that I had advised them in the past not to discharge fluids on the ground or into their fresh water pit. I also told Mr. Clark, if this occurred again, that my suggestion would be to shut in the Salty Dog Brine Station for 30 days.

Mr. Clark said that he was unaware of the incident, and he would call a safety meeting and inform all of his amployees not to dispose of water on the ground or into an unapproved disposal site.

I then informed Mark Ashley of Mr Clark's and my meeting. A short time later, Mark called me back and asked me if I had told Sonny's that I was going to shut in the Salty Dog Facility at this time. I informed Mark that I hadn't told them they were shut in at this time, but I would suggest the next time this happened that their facility be shut in for 30 days. Mark asked me if I minded speaking to Roger Anderson about this matter. Roger then got on the speaker phone to ask me questions on what I told Mr. Clark. I told Roger that I had told Mr. Clark, if this incident happened again, I would suggest for the Sonny's facility be shut in. Roger said he would write Mr. Clark a letter asking him to submit a pit closure plan within 7 days from receipt of his letter and start closing the pit within 20 days.

cc: Wayne Price Roger Anderson Mark Ashlev