

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Betty Rivera

Cabinet Secretary

December 1, 2002

Lori Wrotenbery
Director
Oil Conservation Division

Richardson Operating Company 3100 La Plata Highway Farmington, New Mexico 87401

Attn: Mr. Drew Carnes

Re: Injection Pressure Increase - 190

Salty Dog Well No. 2

San Juan County, New Mexico

Dear Mr. Carnes:

Reference is made to your request dated November 22, 2002, to increase the surface injection pressure on the above referenced well. This request is based on a step rate test conducted on this well on November 21, 2002. The test results have been reviewed and we feel an increase in injection pressure is justified at this time.

You are therefore authorized to inject at or below the following surface injection pressure.

Well and Location	Maximum Surface Injection Pressure 2 7/8" Tubing
Salty Dog Well No. 2	1,300 PSIG
Located in Unit J, Section 5, Township 29 North, Range 14 West, NMPM, San Juan County, New Mexico.	

The Division Director may rescind this injection pressure increase if it becomes apparent that the injected water is not being confined to the injection zone or is endangering any fresh water aquifers.

Sincerely.

Lori Wrotenbery

Director

cc:

Oil Conservation Division - Aztec

Files: SWD-811; PSI-X, 2002

November 22, 2002

Will Jones New Mexico Oil Conservation Division 1220 S. St. Francis Drive Santa Fe, NM 87505

Salty Dog #2 Step Rate Test Re:

Dear Mr. Jones,

Please find the attached data and analysis of the step rate test performed on the Salty Dog #2 on November 21, 2002. I have included all raw data, as well as the analysis performed by American Energy Services. Also attached is the Salty Dog #2 well diagram containing all pertinent well information.

Based on the Tefteller and American Energy Services charts, I agree with the AES determination of FPP being 2587 psi. I did a rough determination based on the Tefteller chart alone and determined the FPP being 2600 psi.

Please review this information and review and if possible increase our allowable surface injection pressure.

Thank you for your time and consideration.

Regards,

Operations Manager RICHARUSON 505-564-3100

505-215-3926 (Cell)

SwD-811)

Richardson Operating Company

3100 La Plata Highway Farmington, NM 87401 (505) 564-3100

Well Name

Salty Dog #2

Location

1495' FSL & 1477' FEL

J Sec 5, T29N, R14W NMPM

County

San Juan

Field

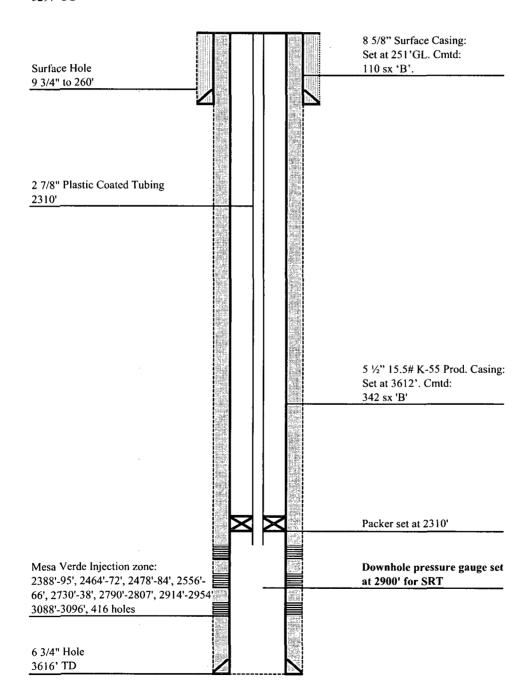
SWD; Blanco Mesa Verde

API#

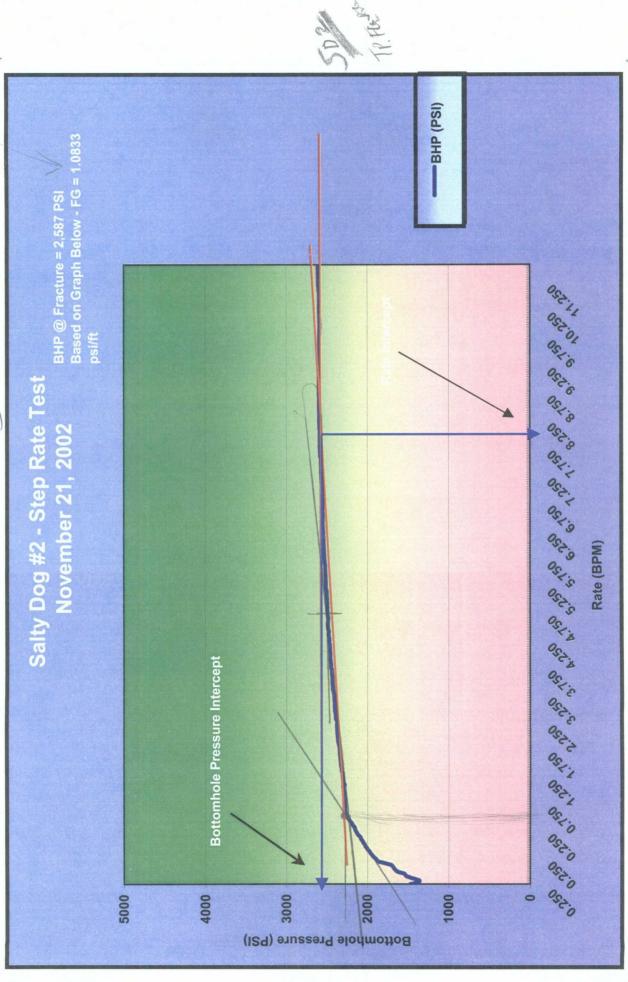
30-045-30812

Elevation

5297' UG



30-245-30812



71 Swo offered 7/5/62

117 TTI

Jones, William V

From:

Jones, William V

Sent:

Friday, November 22, 2002 3:41 PM

To:

'Drew Carnes'

Cc:

Catanach, David; Perrin, Charlie

Subject: Injection Pressure Limit for Richardson's Salty Dog Well No. 2

Mr. Drew Carnes Richardson Operating Company Farmington, New Mexico,

From preliminary analysis of the Step Rate Test you have sent today, you have permission to inject at 1200 psi surface pressure on the Salty Dog Well No. 2 until the final determination and order is issued on this matter. The final order will detail the allowable surface pressure and may be below or above the 1200 psi temporary limit.

Regards, Will Jones

New Mexico Oil Conservation Division

----Original Message-----

From: Drew Carnes [mailto:dcarnes@digii.net]
Sent: Friday, November 22, 2002 3:20 PM

To: 'Jones, William V' **Subject:** RE: 2nd Try

Will

Here's one with surface pressure plotted. Because of the difference in the number of data points, I took the average pressure for each step. It should be noted that the well configuration will not change from the SRT to injection.

Thanks...

Drew Carnes

----Original Message----

From: Jones, William V [mailto:WVJones@state.nm.us]

Sent: Friday, November 22, 2002 2:35 PM

To: 'Drew Carnes'
Subject: RE: 2nd Try

Drew:

Got your application and attachments. It was pointed out to me that I am not supposed to spend time matching up data. Also, I am backlogged on other applications from other operators.

Please send a plot with the surface AND bottomhole pressures vs surface injection rate. I will retain this data and resume work on this after this plot arrives.

Regards, Will Jones

-----Original Message-----

From: Drew Carnes [mailto:dcarnes@digii.net] **Sent:** Friday, November 22, 2002 1:31 PM

To: wvjones@state.nm.us

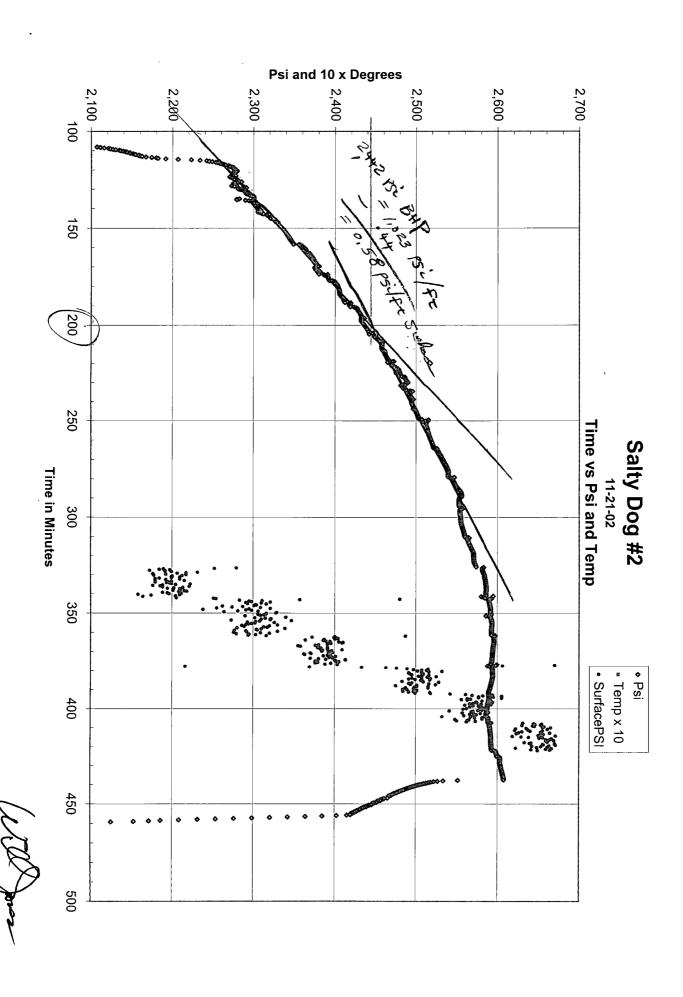


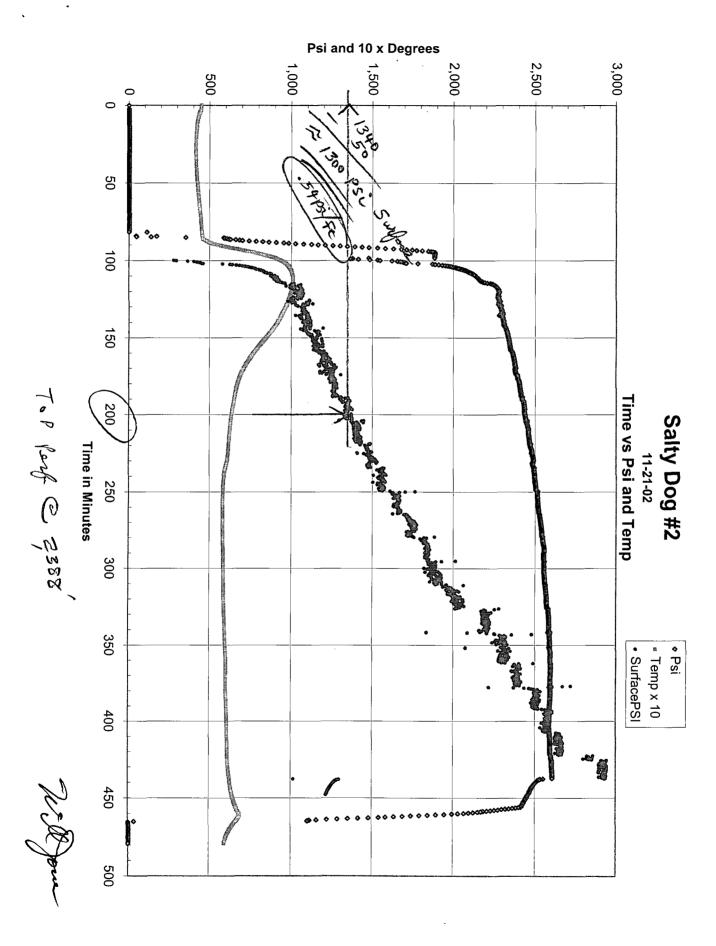
TRANSMITTAL COVER SHEET

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

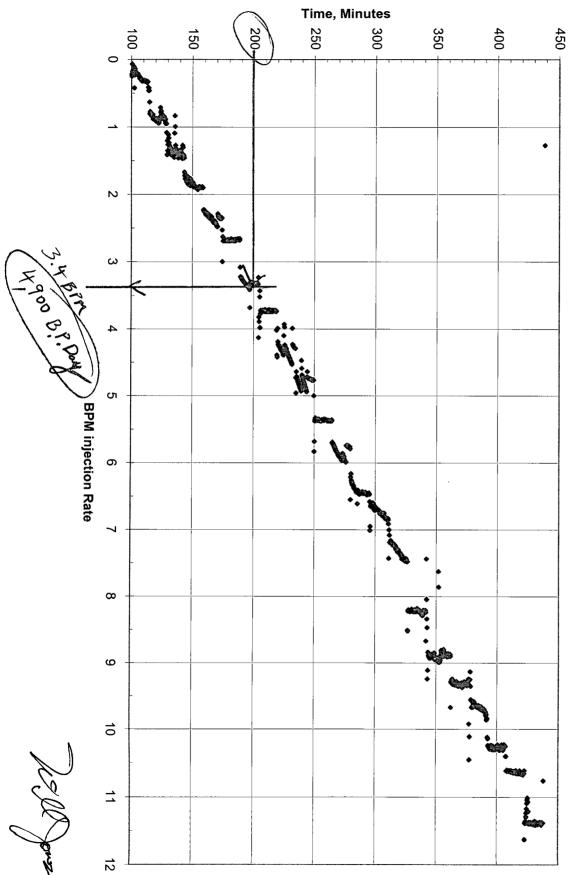
(303)470-3402 (Pax)	
PLEASE DEI	LIVER THIS FAX: Door Carner - RICHARDSON
FROM:	WILL JONES -
DATE:	12/13/02
PAGES:	C+3
SUBJECT:	Solty DOG # 2 STOP ROTE TEST

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





Salty Dog #2 11-2002 Injection Rate vs Time



Jones, William V

From:

Catanach, David

Sent:

Wednesday, December 18, 2002 10:01 AM

To:

Drew Carnes (E-mail)

Cc: Subject: Jones, William V Salty Dog No. 2

Drew, Will Jones has provided me with the latest step rate test conducted on the Salty Dog No. 2. I have examined the test and concur with the decision arrived at by Mr. Jones. Please be advised that if you wish to pursue this matter, I suggest you contact Mr. Richard Ezeanyim, the OCD Chief Petroleum Engineer. I'm sure he'd be more than happy to discuss your situation. He can be reached at:

Phone (505) 476-3467 E-Mail- REezeanyim@state.nm.us

David Catanach

12/16/02 DREW Corner W/ RICHARDSON Called again Approvily he is under pressure to ask us again

for vove pressure allowable for the 5 ofty DO & # 2.

for a review of possible increase is pressure.

Here is the forder and Data. Drew Cames 305-564-360 Wholever You decide I'd Suy no, but you might check w/ Chief Examer or have Drew aw Richard. De 12/8/02 deames @ digii. ret REseangim