



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE: FEB 8 37

February 8, 1991

BRUCE KING
GOVERNOR

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88240
(505) 393-6161

FILE-SWD-273

OIL CONSERVATION DIVISION
P.O. BOX 2088
SANTA FE, NEW MEXICO 87504-2088

RE: APPLICATION FOR PRESSURE LIMIT INCREASE FOR DISPOSAL & INJECTION WELLS

Gentlemen:

I have examined the step rate test for the:

RW Oil Company	Coastal Oil Co. SWD #2-B	9-9-33
Operator	Lease & Well No.	Unit S-T-R

and my recommendations are as follows:

OK

Very truly yours

Jerry Sexton
Supervisor, District I

/tp

RW Oil Company
P.O. Box 266
Lovington, New Mexico 88260

Phone (505) 396-4117

February 8, 1991

Oil Conservation Division
P.O. box 2088
Santa Fe, New Mexico 87504-2088

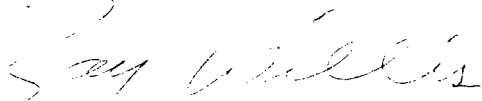
Gentlemen:

Please consider this letter as our request for an increase in the pressure limit on the Coastal A State SWD No 2 located in Unit B of Section 9, Township 9 South, Range 33 East, Lea County, New Mexico, based on the step rate test conducted February 5, 1991.

The information on the step rate test is attached for your consideration.

We feel that an pressure limit of 1850 psi is justified according to the results of the step rate test.

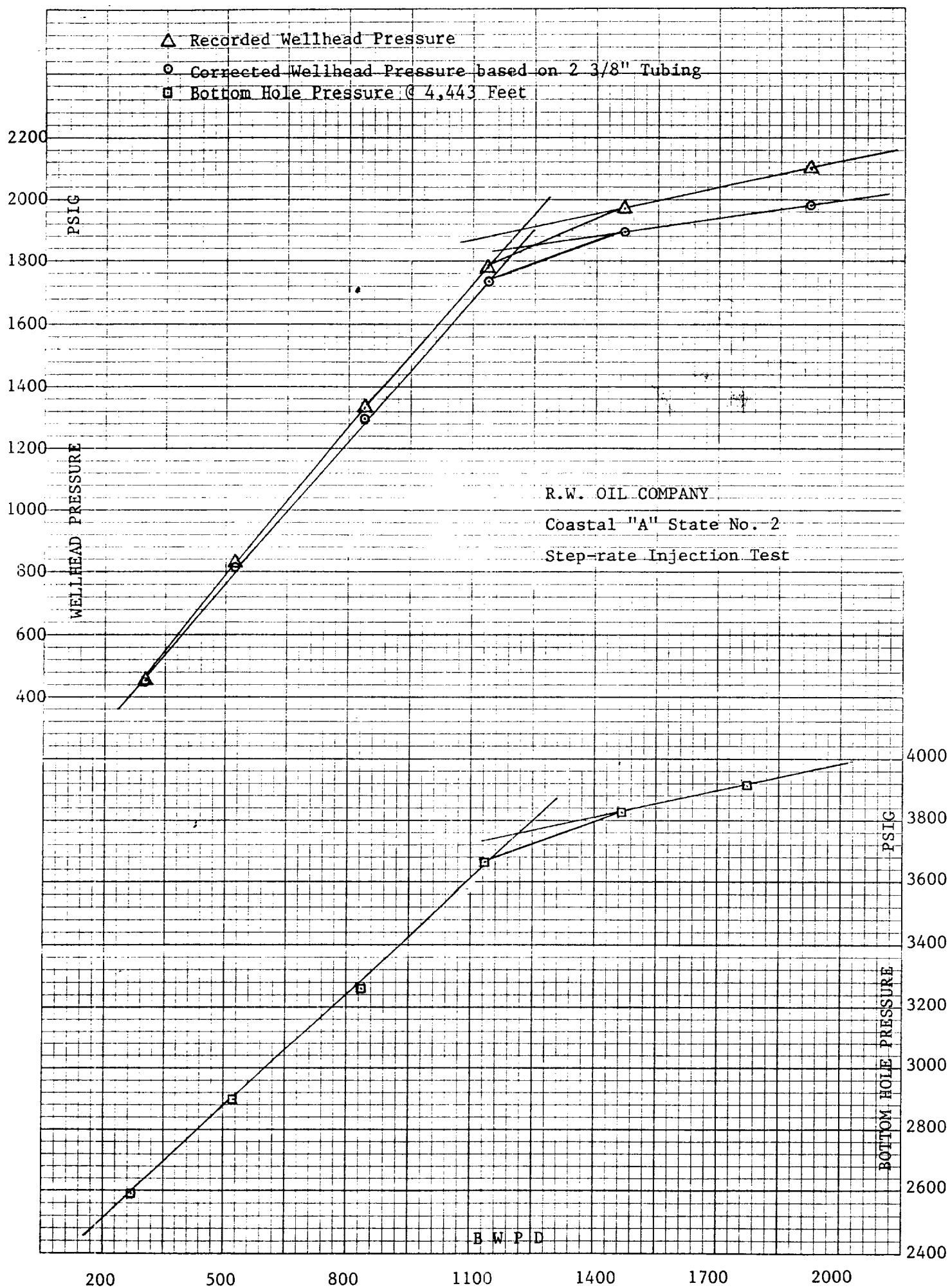
RW Oil Company



Ray Willis
Owner

cc: Jerry Sexton, OCD, Hobbs, NM
File

Enclosure



Step Rate Injection Test

Well Name Coastal "A" State No. 2Test Date 2/5/91Company Name R.W. Oil Company

Remarks	Time	Tbg. Press.	Rate B P D	Total	B H P	Tbg. Press.	Rate G P M	Total
				BOMB SET @ 4448'				
	11:20	131.70		0	2316.9			
	11:25	306.40	316.80	1.1	2475.3			
	11:30	362.60	230.40	1.9	2537.4			
Rate I	11:35	453.40	259.20	2.8	2596.20	450.0	7.84	3.373
			268.80					
	11:40	659.10	547.20	4.7	2751.30			
	11:45	766.40	547.20	6.6	2843.60			
Rate II	11:50	827.70	489.60	8.3	2904.30	815.9	15.40	11.760
			527.99					
	11:55	1066.70	835.20	11.2	3074.10			
	12:00	1201.10	835.20	14.1	3186.00			
Rate III	12:05	1325.20	835.20	17.0	3264.30	1297.7	24.36	27.468
			835.20					
	12:10	1585.10	1123.20	20.9	3468.10			
	12:15	1715.60	1152.00	24.9	3595.70			
Rate IV	12:20	1784.00	1123.20	28.8	3672.90	1735.7	33.04	48.273
			1132.80					
	12:25	1935.90	1468.80	33.9	3788.40			
	12:30	1972.90	1468.80	39.0	3827.80			
Rate V	12:35	1967.70	1468.80	44.1	3827.30	1889.6	42.84	78.055
			1468.80					
	12:40	2084.20	1785.60	50.30	3870.10			
	12:45	2106.10	1756.80	56.40	3897.90			
Rate VI	12:50	2094.50	1785.60	62.60	3919.30	1983.6	51.80	110.915
			1775.99					
	12:55			69.5				
	12:56	OUT OF WATER - SHUT DOWN						
Fall-off	12:57	1919.0			3857.60			
	12:58	1912.50			3851.30			
	12:59	1904.80			3842.30			
	1:00	1897.10			3833.90			
	1:01	1892.00			3823.40			
	1:05	1865.00			3765.00			
	1:10	1830.40			3749.40			



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

BRUCE KING
GOVERNOR

February 12, 1991

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

RW Oil, Inc.
P.O. Box 266
Lovington, NM 88260

Attention: Ray Willis

RE: *Injection Pressure Increase
Coastal "A" State Well No. 2
Lea County, New Mexico*

Dear Mr. Willis:

Reference is made to your request dated February 8, 1991, to increase the surface injection pressure on the Coastal "A" State SWD Well No. 2. This request is based on a step rate test conducted on the well on February 5, 1991. The results of the test have been reviewed by my staff and we feel an increase in injection pressure on the well is justified at this time.

You are therefore authorized to increase the surface injection pressure on the following well.

WELL AND LOCATION

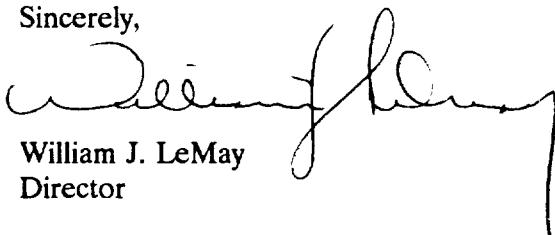
MAXIMUM INJECTION
SURFACE PRESSURE

Coastal "A" State Well No. 2
Unit B, Section 9, Township 9 South,
Range 33 East, NMPM, Lea County.

1800 PSIG

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,



William J. LeMay
Director

cc: Oil Conservation Division - Hobbs
File: SWD-273
D. Catanach
R. Brown