

## NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

## OIL CONSERVATION DIVISION

January 4, 1996

WFX-560

PDEV0020600560

Citation Oil & Gas Corporation  
8223 Willow Place South, Suite 250  
Houston, Texas 77070-5623

Attn: Ms. Sharon Ward

**RE: Injection Pressure Increase, Shell Langlie Mattix  
J.F. Black Waterflood Project, Lea County, New Mexico**

Dear Ms. Ward:

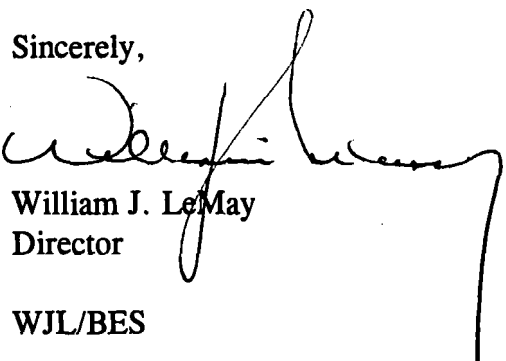
Reference is made to your request dated November 27, 1995 to increase the surface injection pressure on one well on the above referenced project. This request is based on a step rate test conducted on November 14, 1995. The results of the test have been reviewed by my staff and we feel an increase in injection pressure on this 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
J.F. Black Well No.1 Unit J, Section 21, Township 24 South, Range 37 East	1150 PSIG
This well located in Lea 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,



William J. LeMay  
Director

WJL/BES

cc: Oil Conservation Division - Hobbs  
Files: WFX-560; PSI-X 3rd QTR 96

M.x N/R

OIL CONSERVATION DIVISION  
RECEIVED  
'95 DE: 15 AM 8 52



November 27, 1995

New Mexico Oil Conservation Division  
P O Box 2088  
Santa Fe, New Mexico 87501

Re: Step Rate Test  
J. F. Black #1 Request to increase injection pressure

Dear Sir:

Citation Oil & Gas Corp. is hereby requesting in injection pressure increase to 1150 psi on the J. F. Black #1 well located in Langlie Mattix Seven Rivers Queen field, in Lea County, New Mexico. Attached is a plot and copy of the chart for the rates and pressures of the step rate test as conducted on November 14, 1995 for the above well.

Rate Test

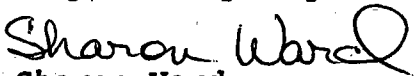
0 Rate - Tbg Psi	270#	(Gauge)
.78 Rate BPM	800#	
.66	850#	
.79	900#	
.86	950#	
.96	1000#	
1.07	1050#	
1.21	1100#	
1.323	1150#	25 Bbls in 12 mins.

J 1980S 1980E  
21.245.37E

Tubing Pressure 790# 5 minutes after 0 Rate.  
15" each stage (stable after each reading).

R. 2147

If you have any questions or require additional information, please contact the undersigned at 713-469-9664. Thank you.

Respectfully requested,  
  
Sharon Ward  
Regulatory Supv.

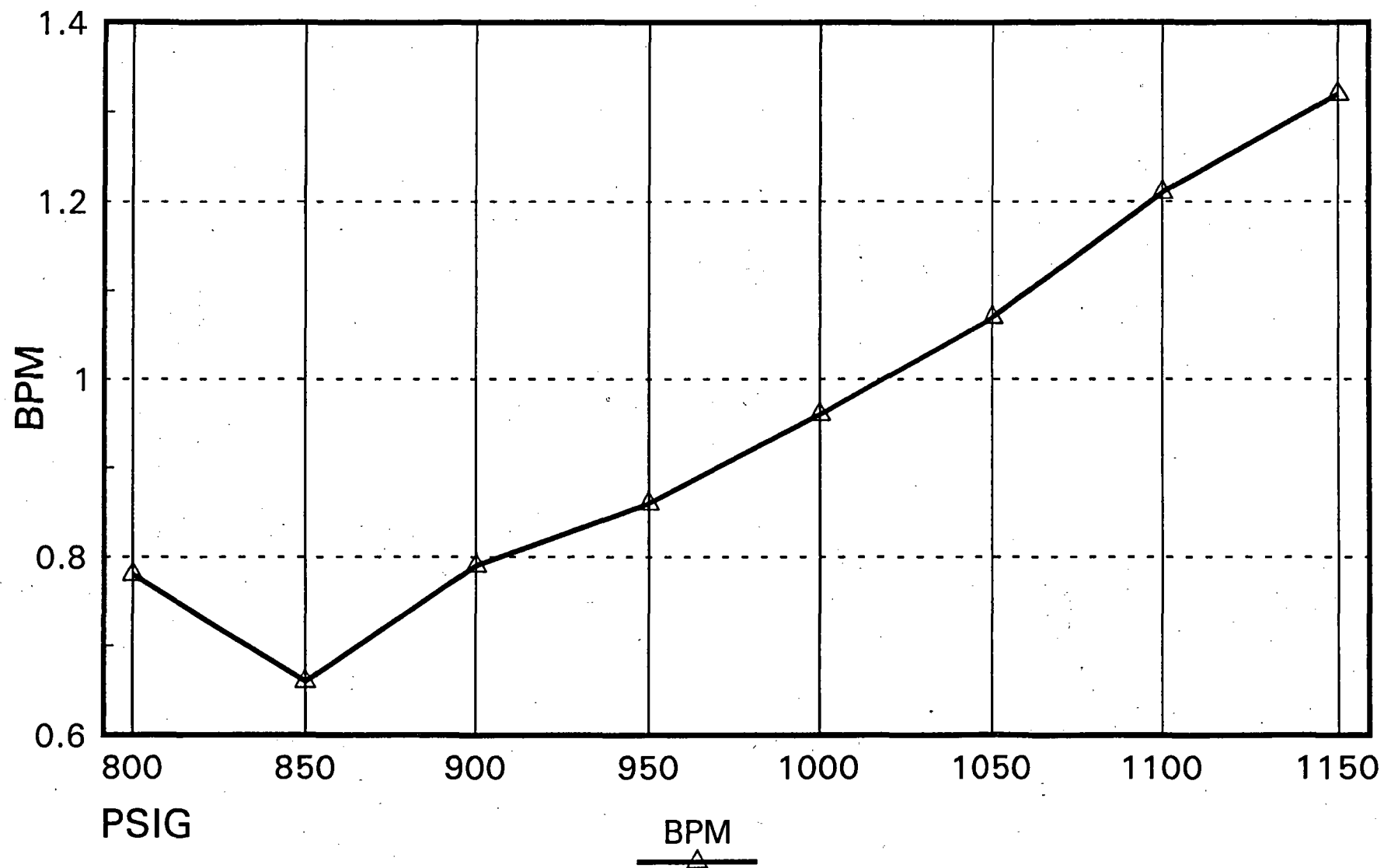
POSSIBLE:  
WFX-560  
R 2957

cc: District I

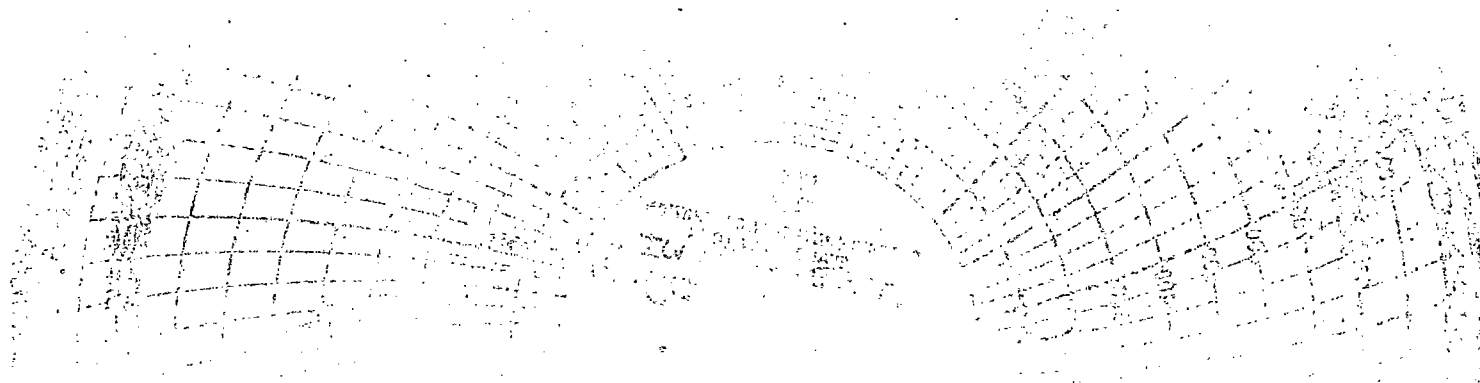
# J.F. BLACK NO.1

STEP RATE TEST

11/14/95



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