

## NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON Governor Joanna Prukop Cabinet Secretary November 10, 2003 IPI-213

Lori Wrotenbery Director Oil Conservation Division

Westall Oil & Gas, Inc. Post Office Box 4 Loco Hills, New Mexico 88255

Attn: Randall Harris

**RE:** Injection Pressure Increase Forehand Well No. 3 Eddy County, New Mexico

Dear Mr. Harris:

Reference is made to your request to the New Mexico Oil Conservation Division (Division) received November 3, 2003, to increase the surface injection pressure on the subject well. This request is based on a step rate test conducted on September 30, 2003. Results of this test have been reviewed and we feel an increase in injection pressure on this well is justified at this time.

You are hereby authorized to inject water up to the following maximum surface tubing pressure.

Well and Location	Maximum Surface Injection Pressure			
Forehand Well No. 3 (API:30-015-22192)	800 PSIG			
This well is located in Section 15, Township 23 South, Range 27 East, Eddy 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.

For Wrotenber

Director

LW/wvjj cc: Oil Conservation Division - Hobbs File: 2003 PSI-X; File SWD-719



JPF LR WUS PLRO330 IPI 835065 IPI

WVJ

Westall Oil & Gas, Inc.

Independent Oil Producer Post Office Box 4 Loco Hills, New Mexico 88255 PH. 505-677-2370 • FAX 505-677-2361

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Oil Conservation Division 1220 S. St. Francis Dr. Santa Fe, Nm 88240

OIL CONSERVATION DIVISION

Re: Step Rate Test Ray Westall Operating Forehand #3 SWD-719

Gentlemen:

Enclosed are the results of the Step Rate Test performed on 9/30/03 on the captioned well. We request a pressure increase based on the test.

Respectfully submitted Randall Harr

Geologist

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May Meddeli Operadille			Company Representative: Randy Harris		
ease: Forehand #3		Test Date & Time: 9/30/03			
State: NM		County: Eddy		Elevation: 3129 GL	
ormation: Del	aware	Unit:		Section: 15	
ownship: 2	.3S		Range: 2	7E	
	id Bump				
D@			PBTD@ 3	999	
in the second	100				
Casing Size: $5 \frac{1}{2}$		Casing Wt.: 15.5			
Casing Dia.:			Casing Set @: 4000 '		
Tubing Size: 2 3/8 PL		Tubing Wt.: Tubing Set @: 3100 '			
Tubing Dia:					
Perforations From: 3746			To: 3974'		
	Elapse	Tubing	Tubing Pressure	1	Rate
Time	Time	Pressure	Less Friction	BHP	BPD
8:15	]	0			0
8:20	-	500			470
8:25	-	560			470
8:30	15	580			470
			· · · · · · · · · · · · · · · · · · ·		
8:35		660			590
8:40		690	· · · · · · · · · · · · · · · · · · ·		590
8:45		700			590
0.45					
0.50		800			740
<u>8:50</u> 8:55		830	····	_	740
	45	840		· · · · · · · · · · · · · · · · · · ·	740
9:00	4)	040			740
					0/0
9:05		<u> </u>			<u>940</u> 940
9:10	60	900			940
9:15		900			940
0.20		060			1200
9:20		<u>960</u> 960			1200
9:25				+	1
9:30	75	970			1200
0.25	_			+	1200
9:35		900		<u> </u>	1380
9:40		1000			1380
9:45	90	1010			1380
					<u> </u>
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