



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**  
Governor  
**Joanna Prukop**  
Cabinet Secretary

October 14, 2003  
IPI-211

**Lori Wrotenbery**  
Director  
Oil Conservation Division

Saga Petroleum LLC  
415 W. Wall, Suite 1900  
Midland, Texas 79701

Attn: Bonnie Husband

**RE: Injection Pressure Increase**  
**Eva E. Blinebry Fed Well No. 20**  
**Lea County, New Mexico**

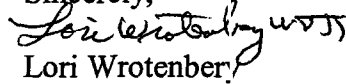
Dear Ms. Husband:

Reference is made to your request to the New Mexico Oil Conservation Division (Division) received October 3, 2003, to increase the surface injection pressure on the subject well. This request is based on a step rate test conducted in early October 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
Eva E. Blinebry Well No. 20 API:30-025-31677	1,100 PSIG
This well is located in Section 34, Township 23 South, Range 37 East, 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,  
  
Lori Wrotenbery  
Director

LW/wvj  
cc: Oil Conservation Division - Hobbs  
File: 2003 PSI-X;  
Case File 3362, R-3027  
File WFX-637



10/3/03

PHVJ 0328753777

FPI-211

October 3, 2003

Mr. Will Jones  
Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, NM 87505

Re: Step-Rate Tests  
Eva E Blinebry Fed No. 20  
API No. 30-025-31677  
Sec. 34 (I) T23S, R37E  
Lea County, NM

1100 psi = 0.32

Gentlemen:

Wells #19, 20  
WFX-637, 680 psi  
10/19/02

R-3027 Case 3362

Please find enclosed statistical data – step rate tests for the referenced well. Saga respectfully requests approval to increase the injection pressure to 1150 psig on this WIW as indicated on the enclosed step-rate test results.

Should you require any further information, please contact the undersigned or Joe Clement at 432/684-4293.

238  
@3,400' 3,414 - 3,569'

Very truly yours,

SAGA PETROLEUM LLC

*Bonnie Husband*

Bonnie Husband  
Production Analyst

Enclosures

Cc: Gary Wink – Hobbs OCD



COMPANY: Saga Petroleum Corp  
LEASE: Eva Blindberry Fed 20  
BOMB DEPTH:  
TUBING: 1.875 in. I.D. pc tubing set @ 3350 feet  
TEST DATE: 10/02/03  
DURATION OF STEPS: 15

POINT	TIME	RATE (BWPD)	GAUGE	FRICTION	CORRECTED	BHP
1	15:45	100	947	0.7	946	0.00
2	16:00	200	949	2.2	947	0.00
3	16:15	300	950	4.5	946	0.00
4	16:30	400	951	7.5	944	0.00
5	16:45	500	971	11.1	960	0.00
6	17:00	600	998	15.4	983	0.00
7	17:15	700	1005	20.3	985	0.00
8	17:30	800	1010	25.8	984	0.00
9	17:45	900	1030	31.9	998	0.00
10	18:00	1000	1051	38.6	1012	0.00
11	18:15	1100	1063	45.9	1017	0.00
12	18:30	1200	1087	53.7	1033	0.00
13	18:45	1300	1098	62.1	1036	0.00
14	19:00	1400	1121	71.1	1050	0.00
15	19:15	1500	1136	80.7	1055	0.00
16	19:30	1600	1154	90.8	1063	0.00
17	19:45	1700	1158	101.5	1057	0.00

18	20:00	1800	1164	112.7	1051	0.00
19	20:15	1900	1172	124.5	1048	0.00
20	20:30	2000	1205	136.8	1068	0.00
21	20:45	2100	1237	149.7	1087	0.00
22	21:00	2200	1268	163.1	1105	0.00

SURFACE & CORRECTED PRESSURE

