



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
Lori Wrotenbery
Director

LW/wvjj
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 Blinbry Fed No. 20
API No. 30-025-31677
Sec. 34 (I) T23S, R37E
Lea County, NM

1100 psi = 0.32

wells #19, 20
WFX-637, 680 psi
10/19/02
R-3027 Case 3362

Gentlemen:

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
3400 3414 - 3569

Very truly yours,

SAGA PETROLEUM LLC

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 (BHPD) | GAUGE | FRICITION | 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 |

