

**Grenemeyer Wagner 22-34**

**5/31/01:**

**Current operations:** Pressure test D.V. tool.

**Past 24 hrs:** MIRU DJR Rig no. MI pump & tank. N.U. Tubing head. Rocky Mtn. Inspection delivered jts. New 2 3/8" 4.7# J-55 8rd eue tubing. RIH w/ 3 7/8" bit, bit sub and tubing. Tag cement at: 5,350'. Drill out cement and D.V. tool @ 5,358'. Run 3 additional jts. Roll hole clean. SDFN.

**6/1/01:**

**Current operations:** Lay down tubing on Frac tanks' float.

**Past 24 hrs:** Pressure test D.V. tool to 3,100 psi. Hold for 20 min. Held good. POOH. RIH w/ bit, scraper and tubing. Tag PBTD. Roll hole clean w/ 130 bbl. 2% kcl. Water w/biocide. SDFN.

**6/2/01:**

**Current operations:** Well is ready to run CBL & Perforate.

**Past 24 hrs:** Lay down tubing on Frac Tanks' float. Put on Narco's 4 1/16" x 5,000 psi frac Valve. RDMO to Swink G unit no. 1.

**6/5/01:**

**Current operations:** Well is ready for frac.

**Past 24 hrs:** RU Brandex. Ran Gamma ray, VDL, CBL.

<b>Logger's TD:</b>	<b>8,343'</b>
<b>Float collar at:</b>	<b>8,348'</b>
<b>J-sand flag jt:</b>	<b>8,122' to 8,136'</b>
<b>Codell flag jt:</b>	<b>7,685' to 7,699'</b>
<b>Top of cement First stage:</b>	<b>6,810'</b>

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**6/5/01 (cont):**

**DV tool at: 5,364'**

**Top of cement Second stage: 4,440'**

**Perforate J-sand from 8,252' to 8,260', & from 8,265' to 8,292', 2spf. 23 gram DP charges, 90 deg. Phasing. All shots fired. Shut well in. J-sand frac scheduled for Wednesday, 6/6/01.**

**6/6/01:**

**Current operations: RU Halliburton for J-sand frac.**

**Past 24 hrs: Set and fill (12) 500 bbl. Tanks.**

**6/7/01:**

**Current operations: WO service rig.**

**Past 24 hrs: RU Halliburton. Hold safety meeting. Pressure test lines. Set pop-offs. Load**

**Casing w/ 1,034 gal. Linear gel. (24.62 bbl. Fluid level: 1,590').**

**Formation breakdown: 2,204 psi @ 8.8 bpm.**

**Do reverse step rate: @ 1,772 psi, @ 24.9 bpm.**

**Shut down for ISIP: 948 psi, FG: 0.55 psi/.ft.**

**5 min. SI: 708 psi, 240 psi leakoff.**

**NWB = 50.67, Perf. Fric: = 16.69, wellbore Fric = 772.71, Total Friction = 824 psi.**

**Calculated open perfs: 64 of 70 perfs.**

**Resume pad.**

**Frac wel w/ 214,331 gals. Frac gel 22 # & 20#.**

**Pumped an estimated 527,000 lbs. of 562,080 lbs. on location.**

**Well screened out when 5# hit perfs.**

**Pumped 36.5 Bbl. Of flush. (capacity: 127.9 bbl). When well pressured out.**

**Shut down w/ 4,670 psi. tried to pump back in. but pressured up to 5,270 psi.**

**Shut well in.**

**Start flowback at 12:30 p.m. w/ 10/64<sup>th</sup> choke. SI pressure: 2,000 psi.**

**Load to recover: 5,250 bbl.**

**Flowed back 160 bbl. And well died. Was making heavy sand when well died.**

**Cum: 160 bbl. Ltr: 5,090 bbl. 3% recovered.**

**Shut well in. Will move service rig to location in the morning.**

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**6/8/01:**

**Current operations: Cont. in hole w/ tubing.**

**Past 24 hrs: MIRU Bohler rig no. 3. From Aristocrat Angus 22-8. MI Pump truck and Circ. Tank. Rain for rent hauled tubing from yard to location. Remove Narco's Frac Valve. NU tubing head and BOP. RIH NC/SN, and 80 jts. Tubing. Shut well in SDFN.**

**6/9/01:**

**Current operations: Cont. Circulating hole clean.**

**Past 24 hrs: Cont. in hole w/ tubing. Tagged sand at 6,806'. Circulate sand out to above J-Sand perfs. Rolled hole clean. Shut well in. SDFN.**

**6/10/01:**

**Current operations: sdfs**

**Past 24 hrs: Circulate sand out PBTD 8,348'. Roll hole clean. Land 264 jts. (8,205.26'), SN. N.C. (1.60'), C/K.B. 9.00'). Land end of tubing at 8,215.86' K.B. Lost 100 Bbl. Circulating sand out. R.U. to swab. IFL: 500'. Swab back 90 bbl. EFL: 4,500'. ETP: VAC. ECP: VAC. Shut well in. sdfn.**

**6/11/01:**

**Current operations: Swabbing. SITP: VAC. SICP: VAC. IFL: 2,700'.**

**Past 24 hrs: SDFS.**

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**6/12/01:**

**Current operations: Well is flowing.**

**Past 24 hrs: SITP: vacuum. SICP: vacuum. IFL: 2,700'. Swab 90 bbl. Back and kicked Well off flowing. At 5:00 P.M. 6/11/01: TP: 40 psi, CP: 200 psi. 32/64<sup>th</sup> choke. Rig down Bohler rig no. 3.**

**At 6:00 a.m. 6/12/01. TP: 220 psi. CP: 950 psi., 18/64<sup>th</sup> choke.**

**6/13/01:**

**Current operations: Well is flowing.**

**Past 24 hrs: At: 6:00 A.M. 6/13/01: FTP: 450 psi., CP: 1,100 psi., 18/64<sup>TH</sup> Choke. Flow rate: 7 bbl. Load water /hr.**

**Cum: 735 bbl. Ltr: 4,515 bbl. 14% recovered.**