

WELL NAME: Brown 33-24
OPERATOR: HS Resources, Inc.
OFFICE NUMBER: 970-330-0614
LOCATION: NW/SE 24-4N-66W
Weld County, CO

SPUD:
TD:
PERF: Cdl. 98.0212
REFRAC: Cdl. 98.0216
DOWNLINE:

FAX daily to:

Codell Refrac

SYSTEMS WITH FAX TRANSMITTAL CONTACT JAN HERSHEY - 1-303-296-3600

02/10/98 **MIRU** S&S Rig #2. Blow down well to mud tank. Pump 20 bbls 2% KCL water to control well. ND well head. NU BOP. PU 2 jts tbg and tag sand fill at 7231' (9' below bottom of Codell perf). TOOH. SI. SDFN

02/11/98 PU hydrostatic sand bailer and TIH. Hydrotest tbg to 5000 psi while TIH. Bail sand from 7231' to 7276'. LD tbg. SI. SDFN

02/12/98 **RU** Brandex to reperforate the Codell formation from 7212' to 7222' with 4 spf (40 holes .38" EHD). PU Baker Lok-set packer and 162 jts 2 7/8" 6.5# N-80 tbg . Stacked out with packer at 5098' KB. TOOH with packer. PU 3 7/8" bit and scraper. Tagged tight spot at 5098' and worked bit and scraper thru. Finish PU tbg to 6921'. SI. SDFN.

02/13/98 TOOH with bit and scraper. PU Packer and TIH. Set packer at 6805' KB. Load annulus and test packer and casing to 1300 psi where it held for 15 minutes. **RD & release rig.** The well was shut in awaiting refrac.

02/16/98 BJ refrac'd the Codell down 2 7/8" tubing. A breakdown pressure of 5600 psi was observed during the pad. ISIP taken during the leakoff test was 2260 psi The well was treated with Terra Frac II gel. Average treating rate was 11.7 bpm, average treating pressure was 4270 psi, ISIP was 3930, the well was force closed on a 14/64ths choke at thirty minutes the pressure was 2130 psi. The well continued to flow back on a 18/64" choke. Totals included 15,120# 100 mesh, 260,020# 20/40 Jordan sand, 134,022 gals Terra Frac gel. Total load to recover was 3240 Bbls

02/18/98 **MIRU** Leed Rig. Release packer. LD 2 7/8" tbg. PU 2 3/8" notched collar, seating nipple and 196 jts of tbg. SI. SDFN