

BARBER, BERTHA J, WELL #12

AFE #: 98716

FIRST REPORT: 12/20/99

Objective: Sand Frac Stimulation

12/23/99 RU Guardian tree saver. RU BJ frac equip. Frac'd Tubb perms 6,364'-6,424' dwn csg w/38,800 gals Spectrafrac G-3000 (30 ppg, guar gelled, Borate XL 2% KCl wtr) carrying 65,800# 20/40 Ottawa sd. AIR 29.7 BPM. ATP 4,300 psig. Max TP 5,259 psig. ISIP 4,100 psig, 35" SIP 2,716 psig. RU BJ frac equip. Left well SI. RD Guardian tree saver. SDFN.

CTOC Stimulation Report:

Tubb 6,364-6,424
Sand Frac

No.	Stage	Vol (gals)	Rate (BPM)	Press	Remarks
1	1	15,000	27	3,790	Pad.
2	2	2,000	31.7	4,400	1 ppg 20/40 sd.
3	3	2,000	31.5	4,400	2 ppg 20/40 sd.
4	4	5,000	31.6	4,350	3 ppg 20/40 sd.
5	5	5,500	31.7	4,290	4 ppg 20/40 sd.
6	6	4,000	32	4,390	6 ppg 20/40 sd. All sd ppd.
7	7	4,032	33.3	4,450	Flush.

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12/24/99 SICP 0 psig. PU & RIH w/2 jts tailpipe, pkr, SN & tbg. Tagged fill @ 6,288'. POH w/tbg, SN, pkr & tailpipe. PU & RIH w/notched collar, bailer & tbg. CO fill to 6,475'. POH w/tbg, bailer & notched collar. Found 28 jts of tbg full of frac sd. LD bailer & notched collar. PU & RIH w/2 jts 2-3/8" tailpipe, Model "R" pkr, SN & 20 jts 2-3/8" tbg. SWI. SDFN.

THRO: 12,700' 12,700' 12,700'