

6/8/83

(CONT'D.)

avg 6200 psi, max rate 5.2 BPM, min $4\frac{1}{2}$ BPM, avg. $4\frac{1}{2}$ BPM, ISDP 4400 psi, 15", 4150 psi, did not have any ball action, load 147 bbls, opened on $\frac{1}{4}$ " choke to flow back, flowed 1 hr & 35", rec tbg load & started getting back acid, started swbg, lowered FL to 7000', then to top of pkr, swbd 6 hrs, rec 91 bbls load and acid wtr, flowing & swbg, 55 BUL, had a small gas flare, estimated 20 mcfpd, left flowing on $\frac{1}{4}$ " choke, caught wtr sample @ 6:30 PM.

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|-------------------|-------------------|-----------------------|
| S.G. 1.065 @ 75°F | Ca 14,080 | SO ₄ 1,150 |
| Ph 6.0 | Mg 2,381 | HCO ₃ 549 |
| Fe strong | Na&k 11,230 | Cl 348,000 |
| Hardness 45,000 | Res. 0.098 @ 75°F | NaCl 78,960 |

spent acid wtr.

6/9/83

Flowing w/4 psi on $\frac{1}{4}$ " choke, 18 mcfpd, ran swb, fluid @ 8000', ran to top of pkr @ 9900', had gas in wtr while pulling swb & small amt of gas following swb, gas appeared to be decreasing, from 12 noon to 5 PM gas vol to small to light, swbd 10 hrs & rec 12 BW, 43 BWUL, caught wtr sample @ 5 PM:

| | | |
|----------------------|-----------------|------------------------|
| S.G. 1.075 @ 78°F | Hardness 58,000 | Res. .082 @ 78°F |
| Ph 7.0 | Ca 17,200 | SO ₄ 1,150 |
| Fe strong | Mg 3,645 | HCO ₃ 1,159 |
| H ₂ S -0- | Na&k 13,272 | Cl 360,000 |
| | | NaCl 98,700 |

SD, left open on $\frac{1}{4}$ " choke, not making any gas.

6/10/83

Flowing press -0- on $\frac{1}{4}$ " choke, could observe gas vapors @ flow line, ran swb, FL @ 8000', swbd wtr, gas and small amt of condensate, condensate on 1st 3 runs only, the last four runs of day, did not recover any wtr, swbg from top of pkr, swbd a total of 10 hrs and rec 10 bbls wtr, 33 bbls under load, SD unit and left well open on $\frac{1}{4}$ " choke, caught wtr sample @ 1:30:

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|----------------------|------------------|----------------------|
| S.G. 1.005 @ 77°F | Ca 1,400 | SO ₄ 850 |
| Fe strong | Mg 2,187 | HCO ₃ 890 |
| H ₂ S -0- | Na&K 12,710 | Cl 49,600 |
| Hardness 44,000 | Res. .090 @ 77°F | NaCl 81,592 |