

DRILL STEM TESTS
UNITED STATES SMELTING REFINING AND MINING COMPANY
SUPERIOR-STATE NO. 1

- DST #1** 9075-9130' (Wolfcamp) Tool Open 2 hours, Recovered 30' slightly Oil & Gas Cut mud. FFP 35#. 20 minute SIP 95#.
- DST #2** 10598-10640'. Packer failed, no recovery.
- DST #3** 10564-10640'. (Band) Tool Open 1-1/2 hours. G/4 minutes. Flowed @ rate of 750 MCFPD, decreased to 600 MCFPD. Recovered 600' gas and distillate cut mud. IFF 750#. FFP 500#. 15 minute SIP 2200#.
- Straddle Pkr. DST #4** 10835-10890' (Penn) Packer failed, no recovery.
- Straddle Pkr. DST #5** 10822-10892' (Penn) Packer failed, no recovery.
- DST #6** 11612-11639 (Mississippian) Tool Open 2 hours. Recovered 1070' water blanket, 60' very slight gas cut mud. IFF 495#. FFP 495#. 20 minute SIP 2235#.
- DST #7** 12321-12344' (Devonian) Tool Open 3 hours. 1500' water blanket. WB&Gas/14 minutes. Distillate/19 minutes. Gas estimated 3-4 MCFPD. Recovered 470' oil & 30' oil and gas cut mud. IFF 1200#. FFP 1695#. 30 minute SIP 4795#.
- DST #8** 12344-12356' (Devonian) Tool Open 6 hours, 42 minutes. Used 1500' water blanket. WB & Gas to surface 23 minutes. Flowed pits 2 hours, 20 minutes. Flowed tanks 4 hours. 60.08 bbls. oil and 13.56 bbls. water. Recovered 900' oil and 650' water. IFF 995#. FFP 1200#. 30 minute SIP 4870#.

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FOR INFORMATION PURPOSES ONLY: (703) 592-1414, 12/1/01
ALL INFORMATION IS UNCLASSIFIED DATE 02-28-01 BY 60320 JAW/gmf/11

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