

DRILL STEM TEST #1 4098-4126'

Misrun - hit bridge at 1150'

DRILL STEM TEST #2 4098-4126'

30-45-45-60

Blow: Weak to fair.  
Recovery: 1' clean oil.  
139' muddy water; trace of oil.  
Pressure: ISIP 1168 PSI  
FSIP 1168 PSI  
IFP 40-52 PSI  
FFP 57-73 PSI  
HSH 2058-2058 PSI

DRILL STEM TEST #3 4126-4154'

30-45-45-60

Blow: Weak to fair.  
Recovery: 60' gas in pipe.  
60' oil cut mud.  
Pressure: ISIP 803 PSI  
FSIP 827 PSI  
IFP 24-24 PSI  
FFP 32-32 PSI  
HSH 2058-2058 PSI

DRILL STEM TEST #4 4630-4700'

45-45-45-45

Blow: Weak; died in 18 minutes.  
Recovery: 45' mud.  
Pressure: ISIP 179 PSI  
FSIP 236 PSI  
IFP 65-65 PSI  
FFP 73-73 PSI  
HSH 2385-2385 PSI

RECEIVED  
STATE COMMISSION

DEC 17 1992

REGULATION DIVISION  
Wichita, Kansas

DRILL STEM TEST #5      4696-4739'

45-45-45-45

Blow:            Very weak throughout.

Recovery:      60' mud.  
                  60' watery mud.

Pressure:      ISIP        1380      PSI  
                  FSIP        1299      PSI  
                  IFP        48-57     PSI  
                  FFP        65-73     PSI  
                  HSH        2444-2444 PSI

RECEIVED  
STATE CORPORATION COMMISSION

DEC 17 1992

DIVISION  
Topeka, Kansas