

W. A. MONCRIEF, JR., #1 STATE "27"  
SECTION 27, T16S, R33E  
LEA COUNTY, NEW MEXICO

DRILL STEM TESTS

- DST #1: 12,511-12,601' opposite Atoka lime. Ran 1270 WC. Pkrs failed after 4 minutes. Picked up off bottom, closed tool and filled hole. Reset pkrs and re-opened tool. Packers failed again after 4 minutes. Had GTS in 7 minutes. Had 4# SFP on 1" choke.
- DST #2: Depth 12,479-12,601' opposite Atoka lime. Ran 2050' WB. Open 30", SI 1 hr, open 3 hrs, SI 3 hrs-50 min. Had GTS 63 min into regular flow period. Max vol 38 MCFGPD w/6½# on 12-64" choke. Rec 940' 41° gty oil @ 58° + 2050' WB. SC rec @ 580# was 1.01 CFG + 75 CC oil + 600 CC mud + 225 CC BS + 600 CC formation wtr or filtrate wtr (90,000 PPM chlorides - pit chlorides 188,000 PPM - WB 2,000 PPM). 30" FP 1439-1478#, 1' ISIP 1537#, 3 hr FP 1439-1478#, 3' 50" FSIP 1576#. HP 6604-6604#, BHT 138°.
- DST #3: 13,485-13,665' opposite Upper Morrow sand. Op 30", SI 1', op 3', SI 2' - 5". GTS 15" into regular flow period. Max vol 200 MCFGPD. Rec 2500' WC + 35 GCDM. SC rec @ 5,000# was 21.8 CFG + 200 CC GCDM w/trace oil. FP 1280-1183#, 1' ISIP 4289#, FP 1183-1183#, 2'-5" FSIP 4779#, HP 7164-7122#. BHT 176°.
- DST #4: 13,695-13,830' opposite lower Morrow. Op 30", SI 45", op 3', SI 3', GTS 50". Max vol 110 MCFGPD. Stabilized @ 103 MCFGPD for last 1 hr. Rec 2584' WC + 102' O& GCDM. SC rec @ 900# was .8 CFG + 100 CC O & GCDM. 30" FP 1313-1357#, 45" ISIP 5685#, 3'FP1313-1400#, 3' FSIP 5900#, HP 7184-7098#.

RECEIVED

JUL 2 1977

CHICAGO  
ILLINOIS