

PRESTON-FEDERAL #1
Cores #1-7

CORE #1 7457-7507'

7457-62' Dense Dolomite
 7462-63' Good pimpoint small vug por.-1 vert frac
 7463-73.5 Dense dolomite-scattered pp & vert fracs
 7473.5-76' Good pp por-small vugs
 7476-77.5' Dense few p.p.
 7477.5-82' Fair pp & large vug por few fracs
 7482-83.5' Dense dolomite
 7483.5-85.5' Fair vug por
 7485.5-87' Poor to fair pinpoints
 7487-88.5' Good vug por.
 7488.5-91' Poor to fair scat. shale st
 7491-7492' Good vug por
 7492-92.5' Dense
 7492.5-95' Good-excellent trace water-oil
 7495-98.5' Fair small vugs & pp
 7498.5-7500' Fair to good
 7500-03' Fair small vugs
 7503-06' Good large vugs

Very pale blue flm-cut thru-out good gas readings in mud while coring- hot wire
 80-150 units. Maximum Chromatograph: C₁-250 C₂-30 C₃-12 C₄-10

CORE #2 7507-7531'

7507-12.5' Fair small mud vug por- tr cut-blu-yel tn-gy dol - M-CX
 7512.5-16' tn-wht CX dol- Good large vugs few vert fracs - recemented
 pale blu cut spls-yel
 7516-17' Fair pp-vug por tn-gy M-CX - blu-yel cut
 7517-20.5' Poor - scattered pp por
 7520.5-23.5' Dense
 7523.5-24' Poor pp por
 7524-27.5' Dense dolomite with strks shale no por

Gas while coring 20-40 units -7507-24' 7524-31 = 12-18 Mostly methane

CORE #3 7531-7570'

7531-39.5' Dol with thim strks shale Dense
 7539.5-45' Dk gy bd foss sh & strks dol w/crinoids
 7545-52' Dk hd dol-dns no por-few strks sh-few vert fracs
 7552-53' Dol w/poor pp-small vug por
 7553-56' Dn dol
 7556-59' Dol with poor pp por
 7559-60' Dol strks sh Dns
 7560-65' Clean dol-vary fractured - fair pp por-cut p.blue
 7565-70' Last 5' in pieces
 Distillate odor on fresh breaks

CORE #4 7570-7602'
Cut 32' Rec 32'

7570-76.2' Dense, tr pp por - hor frac
 7576.2-79.5' pp vug por-hor frac
 7579.5-80.7' Fracs, vugs pp por
 7580.7-81.7' Dense trace pp por
 7581.7-82.3' Tr vugs, pp por w/frac
 7582.3-83.1' Dense
 7583.1-83.6' Good vugs, & pp por
 7583.6-85' PP & frac
 7585-86.2' Dense
 7586.2-88.4' pp frac
 7588.4-90.5' Dense
 7590.5-91' pp por
 7591-92' Frac-slight pp por
 7592-93' Shly dol
 7593-95' Shale
 7595-95.5' Dense slightly shly
 7595.5-7600' Vug-pp - frac-hor bleeding gas
 7600-02' Broken fracs-vug pp
 Pale blue floor & good cut in all porous zones

RECEIVED
 MAR 26 1971
 J. S. GEOLOGIC
 ARTESIA N.M.
 CORVET