

316/624-7340


 DEAN'S TESTERS

Box 1182, Liberal, Ks.

Company CSG Exploration Date Nov. 7, 1977
 Well Name & No. Lundeen #1 Sec. 15 Twp. 30S Rge. 27W
 County Meade State Kans. Elevation _____
 Test Approved by T.E. Osborn Tester Dean Blaggrave

DST No. 1 Formation Marmaton Test Interval 4953' to 5002' Total Depth 5002'
 Anchor Length 49' Anchor Size 31' X 6" OD-D.C. Surface Choke 1/4" Bot. Choke 5/8"
18' X 4 1/2" OD-Perf.
 Top Packer Depth 4948' Damaged no Bottom Packer Depth 4953' Damaged no
 Below Straddle Depth _____ Damaged _____ Bot. Packer Depth _____ Damaged _____
 Recorders: Depth 4957' Make Kuster Capacity 6450 Ser. No. 6064 Inside
 Depth 4962' Make H&T Capacity 4750 Ser. No. 72 Outside
 Below Straddle: Depth _____ Make _____ Capacity _____ Ser. No. _____

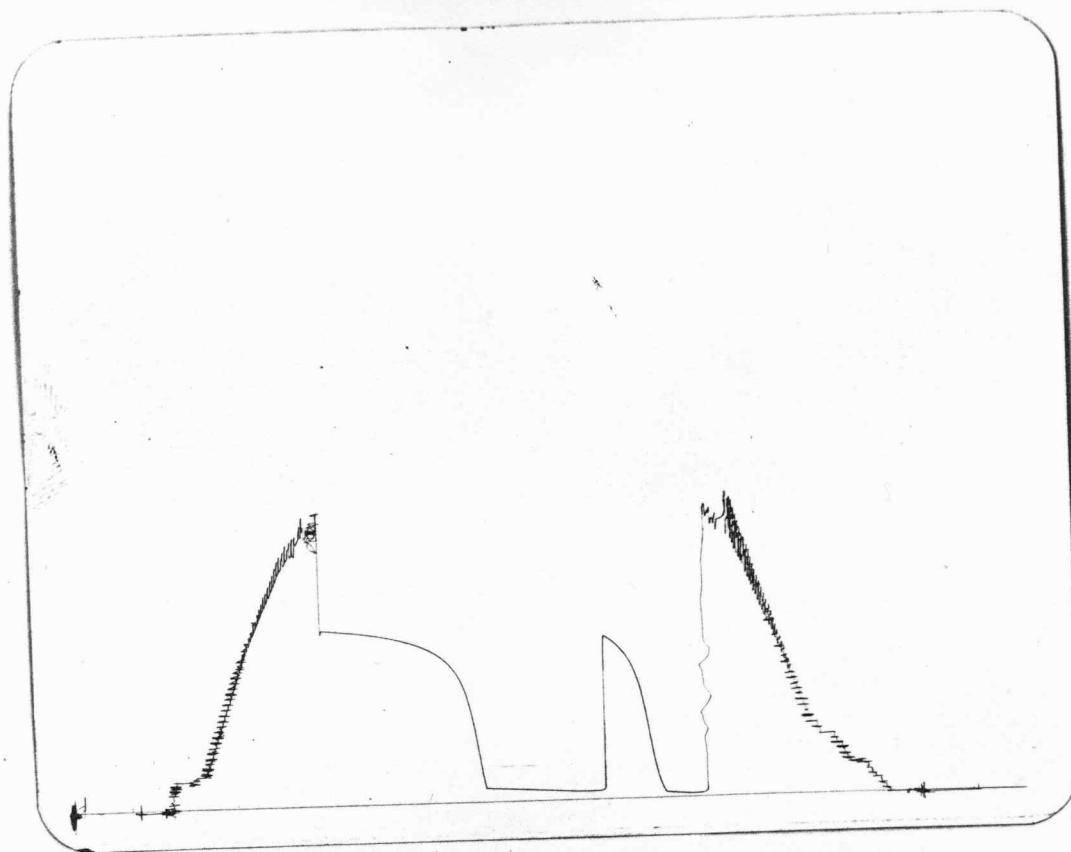
PRESSURES:

Tool Open 30 min. IFP 32 psi to 49 psi
 Shut-In 45 min. ISIP 1379 psi
 Open 90 min. FFP 75 psi to 124 psi
 Shut-In 120 min. FSIP 1477 psi
 Hydrostatic Pressures: Initial 2323 Final 2297 Temp 120 °F
 Blow Good thruout test.
 Recovery 270' Total fluid, 210' slightly gas cut mud, 60' salt water
59,500 PPM Cl.

Extra Equipment 2 Packers, Jars, Sfty.jnt., Circ.sub.

Lengths: Tool 79' DP 4355' ID 3.8 Wt.P none ID _____ DC 591' ID 2.25
 Mud Type Chemical Vis. 43 Wt. 8.8 Wtr. Loss 11.2 Chlorides 6,000 PPM

Remarks: _____



Actual photograph of test chart

	Pressure Reading	
	Field	Office
Initial Flow pressure	32 - 49	32 - 49 PSI
Initial Closed in pressure	1370	1379 PSI
Final Flow pressure	81 - 130	75 - 124 PSI
Final Closed in pressure	1467	1477 PSI
Initial Hydrostatic pressure	2294	2323 PSI
Final Hydrostatic pressure	2278	2297 PSI

Recovery: 210' Slightly gas cut mud, 60' salt water.