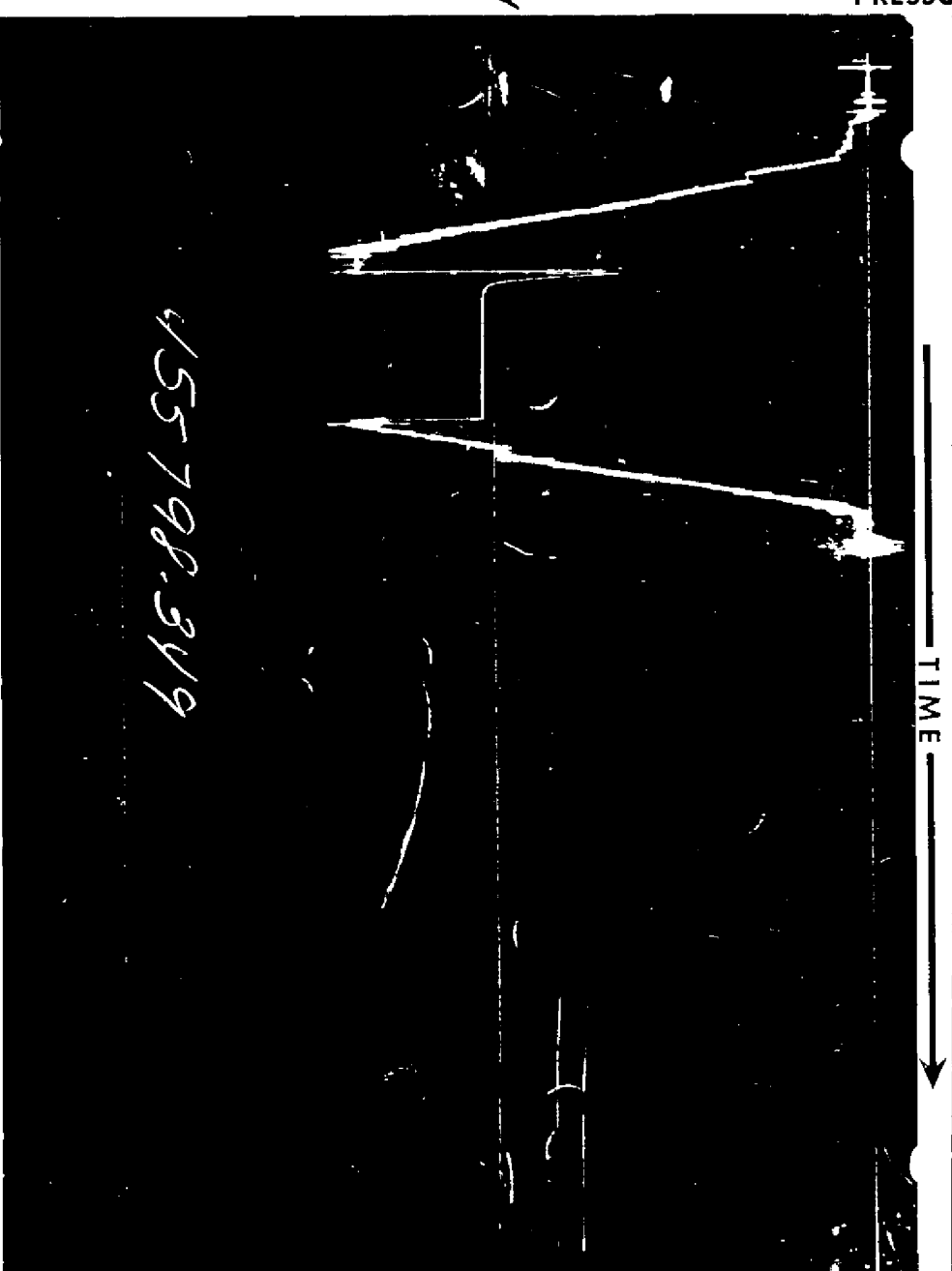
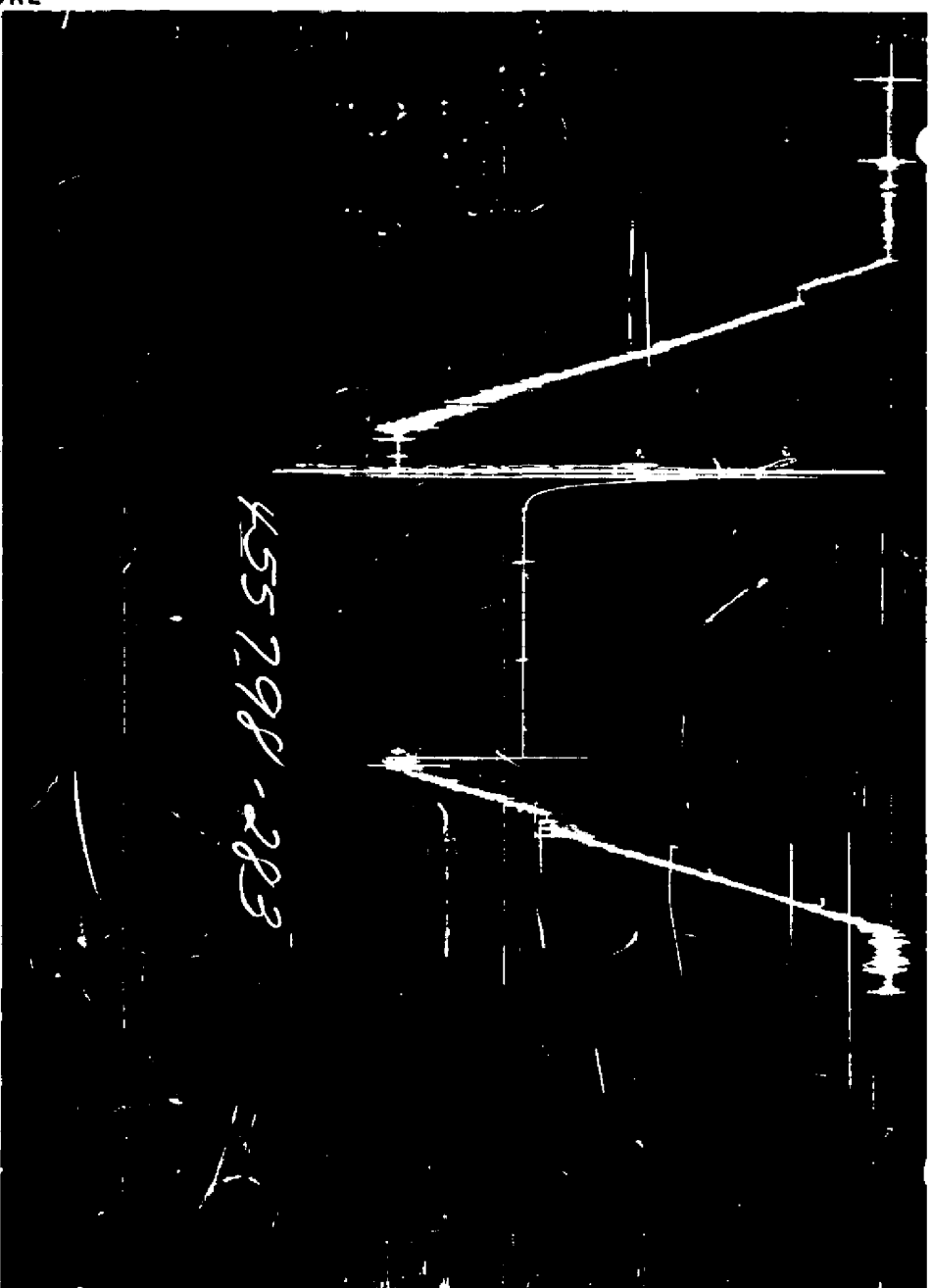


NOMENCLATURE

b	= Approximate Radius of Investigation	Feet
b_1	= Approximate Radius of Investigation (Net Pay Zone h_1)	Feet
$D.R.$	= Damage Ratio	—
EI	= Elevation	Feet
GD	= B.T. Gauge Depth (From Surface Reference)	Feet
h	= Interval Tested	Feet
h_1	= Net Pay Thickness	Feet
K	= Permeability	md
K_1	= Permeability (From Net Pay Zone h_1)	md
m	= Slope Extrapolated Pressure Plot (Psi/cycle Gas)	psi/cycle
OF_1	= Maximum Indicated Flow Rate	MCF/D
OF_2	= Minimum Indicated Flow Rate	MCF/D
OF_3	= Theoretical Open Flow Potential with/Damage Removed Max.	MCF/D
OF_4	= Theoretical Open Flow Potential with/Damage Removed Min.	MCF/D
P_s	= Extrapolated Static Pressure	Psig.
P_f	= Final Flow Pressure	Psig.
P_o	= Potentiometric Surface (Fresh Water *)	Feet
Q	= Average Adjusted Production Rate During Test	bbbls/day
Q_1	= Theoretical Production w/Damage Removed	bbbls/day
Q_g	= Measured Gas Production Rate	MCF/D
R	= Corrected Recovery	bbbls
r_w	= Radius of Well Bore	Feet
t	= Flow Time	Minutes
t_o	= Total Flow Time	Minutes
T	= Temperature Rankine	°R
Z	= Compressibility Factor	—
μ	= Viscosity Gas or liquid	CP
$\log$	= Common Log	—

* Potentiometric Surface Reference to Rotary Table When Elevation Not Given, Fresh Water Corrected to 100° F.



Each Horizontal Line Equal to 1000 p.s.i.

FLUID SAMPLE DATA				Date		Ticket No.	
Sampler Pressure _____ P.S.I.G. at Surface				9-16-71		455708	
Recovery Cu. Ft. Gas _____				Kind of Job		Halliburton District	
cc. Oil _____				OPEN HOLE		FARMINGTON	
cc. Water _____				Tester		MR. DAVIS	
cc. Mud _____				Witness		MR. WILLIAMS	
Tot. Liquid cc. _____				Drilling Contractor		STEWART BROTHERS SM	
Gravity _____ ° API @ _____ °F.				EQUIPMENT & HOLE DATA			
Gas/Oil Ratio _____ cu. ft./bbl.				Formation Tested _____ Dakota			
				Elevation _____ Ft.			
				Net Productive Interval _____ 158' Ft.			
				All Depths Measured From _____ Rotary kelly bushing			
				Total Depth _____ 2680' Ft.			
				Main Hole/Casing Size _____ 6 1/4"			
				Drill Collar Length _____ 90' I.D. 1.25"			
				Drill Pipe Length _____ 2560' I.D. 2.441"			
				Packer Depth(s) _____ 2522' Ft.			
				Depth Tester Valve _____ 2497' Ft.			
RESISTIVITY CHLORIDE CONTENT							
Recovery Water 6.6 @ 68 °F. _____ ppm							
Recovery Mud _____ @ _____ °F. _____ ppm							
Recovery Mud Filtrate _____ @ _____ °F. _____ ppm							
Mud Pit Sample _____ @ _____ °F. _____ ppm							
Mud Pit Sample Filtrate _____ @ _____ °F. _____ ppm							
Mud Weight 9.6 vis 37 cp							
TYPE AMOUNT				Surface Choke			
Cushion _____ Ft. Depth Back Pres. Valve _____				1/4" Bottom Choke .62"			
Recovered 2230 Feet of total fluid				Meq. From Tester Valve			
Recovered 450 Feet of mud							
Recovered 1780 Feet of mud cut fresh water							
Recovered _____ Feet of							
Recovered _____ Feet of							
Remarks Tool opened for 20 minute first flow with strong blow decreasing and died in 20 minutes. Closed for 30 minute first closed in pressure.							
Tool reopened with a very weak blow for 60 minute second flow period.							
Closed tool for 60 minute second closed in pressure period.							
TEMPERATURE		Gauge No. 283	Gauge No. 349	Gauge No. _____	TIME		
Depth: _____ Ft.		2501	2674	_____ Ft.			
Est. _____ °F.		12 Hour Clock	24 Hour Clock	Hour Clock	Tool _____ A.M.		
Blanked Off -		Blanked Off yes	Blanked Off		Opened 0230 P.M.		
Actual 85 °F.		Pressures	Pressures	Pressures	Tool _____ A.M.		
					Closed 0420 P.M.		
		Field Office	Field Office	Field Office	Reported	Computed	
					Minutes	Minutes	
First Period	Initial Hydrostatic	1291	1274	1359	1362		
	Flow Initial	184	473	658	664		
	Flow Final	952	944	1015	1027	20	
Second Period	Closed in	952	946	1015	1027	30	
	Flow Initial	952	946	1015	1027		
	Flow Final	952	948	1015	1027	60	
Third Period	Closed in	952	948	1015	1027	60	
	Flow Initial						
	Flow Final						
Fourth Period	Closed in						
	Final Hydrostatic	1291	1259	1359	1344		

	O. D.	I. D.	LENGTH	DEPTH
Logging Sub				
Water Cushion Valve				
Drill Pipe	2 7/8"	2.441"	2560'	
Drill Collars		1.25"	90'	
Handling Sub & Choke Assembly				
Dual CIP Valve	3.88"	.87"	5'	
Dual CIP Sampler				
Hydra-Spring Tester	3.90"	.62"	5'	2497'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	3.75"		4'	2501'
Hydraulic Jar	3.75"	.75"	6'	
VR Safety Joint	3.88"	.75"	2.50'	
Pressure Equalizing Crossover				
Packer Assembly	5 1/2"	.75"	5'	2522'
Distributor				
Packer Assembly				
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars	3.75"	1.25"	120'	
Anchor Pipe Safety Joint				
Packer Assembly				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor	3.75"	1.25"	34'	
Blanked-Off B.T. Running Case			4'	2674'