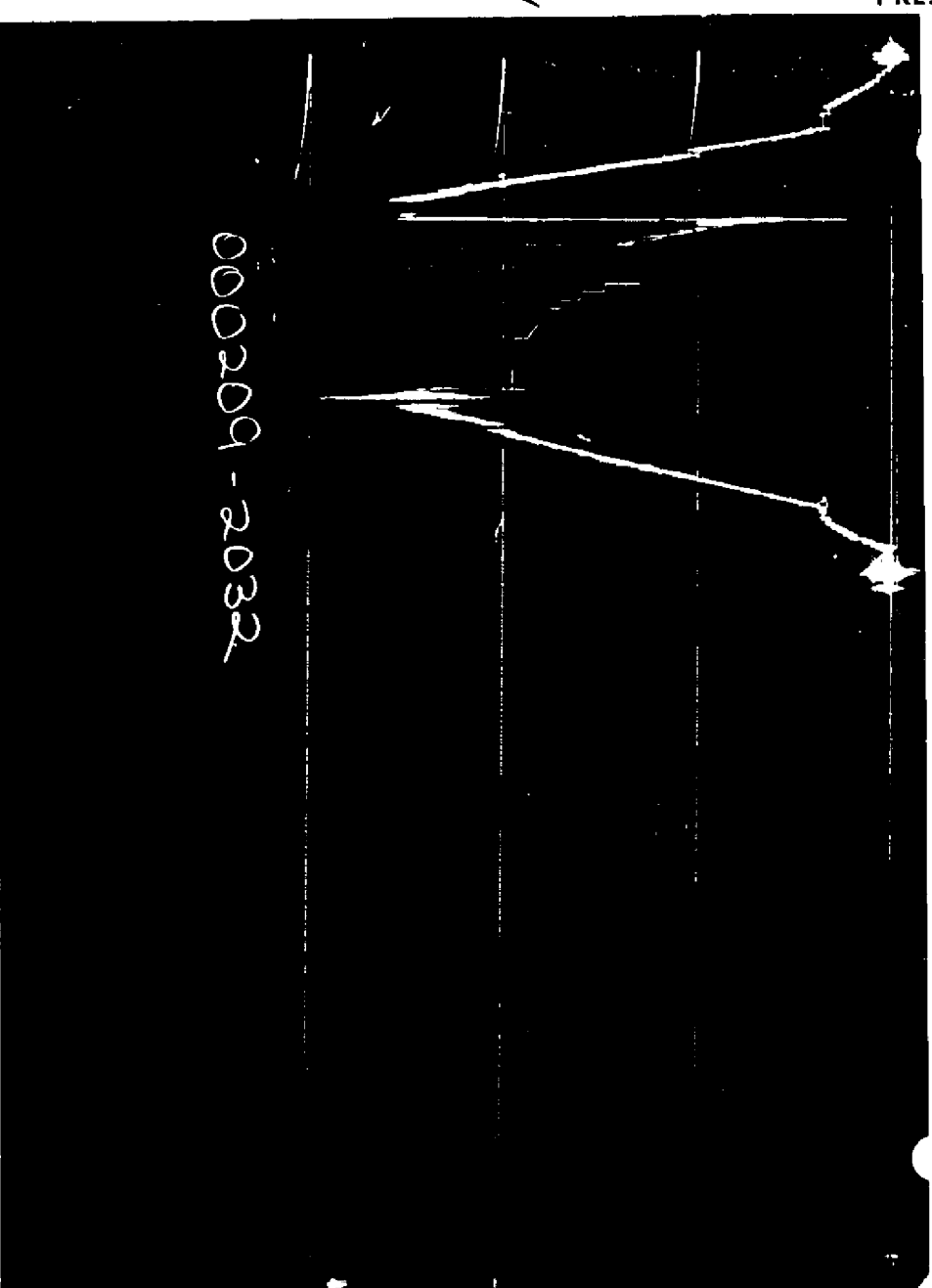
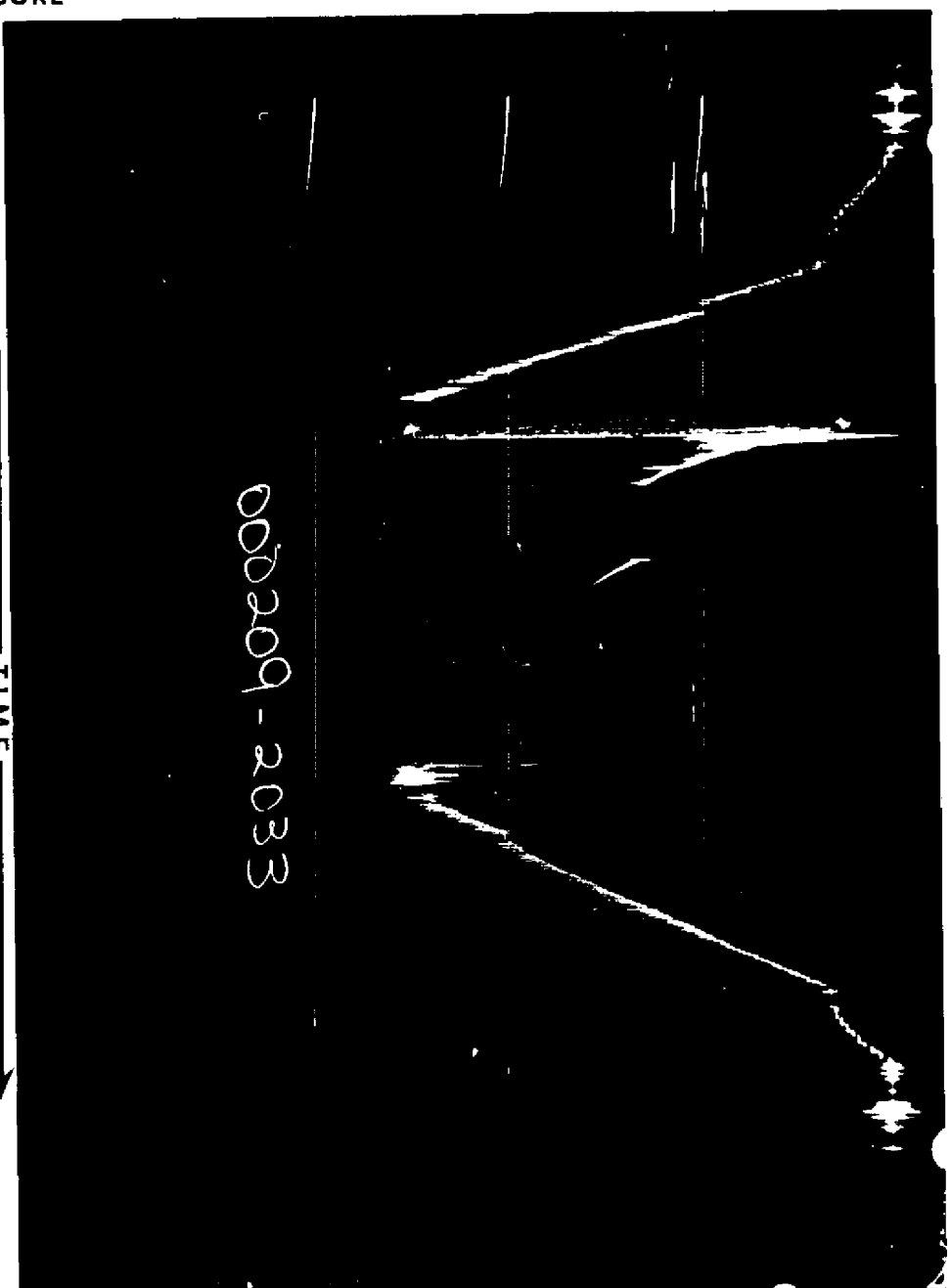


NOMENCLATURE

b	= Approximate Radius of Investigation	Feet
b_1	= Approximate Radius of Investigation (Net Pay Zone h)	Feet
D.R.	= Damage Ratio	—
El	= 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)	md
m	= Slope Extrapolated Pressure Plot (Psi ² /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_{st}	= Potentiometric Surface (Fresh Water*)	Feet
Q	= Average Adjusted Production Rate During Test	bbls/day
Q_1	= Theoretical Production w/Damage Removed	bbls/day
Q_g	= Measured Gas Production Rate	MCF/D
R	= Corrected Recovery	bbls
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.

FEDERAL

Lease Name

30-1

Test No. 1

3000-3200'

FILON EXPLORED CORPORATION

Lesse Owner/Company Name

Legal Location
Sec. - Twp. - Rng.

30-19-2

Field Area

WEST CUBA

County

SANDOVAL

State NEW MEXICO

Well No.

Test No.

Tested Interval

FLUID SAMPLE DATA				Date 7-7-76		Ticket Number 000388	
Sampler Pressure _____ P.S.I.G. at Surface				Kind of Job OPEN HOLE		Halliburton District FARMINGTON	
Recovery: Cu. Ft. Gas _____				Tester MR. PITTS		Witness MR. MOORE	
cc. Oil _____				Drilling Contractor LOFFLAND DRILLING COMPANY DR			
cc. Water _____				EQUIPMENT & HOLE DATA			
cc. Mud 1800				Formation Tested Callup			
Tot. Liquid cc. 1800				Elevation 6500+ Ft.			
Gravity Res. 4.46 ° API @ 72 ° F.				Net Productive Interval - Ft.			
Gas/Oil Ratio _____ cu. ft./bbl.				All Depths Measured From Kelly Bushing			
RESISTIVITY _____ CHLORIDE CONTENT _____				Total Depth 3200' Ft.			
Recovery Water @ _____ ° F. _____ ppm				Main Hole/Casing Size 8 3/4"			
Recovery Mud 4.46 @ 72 ° F. _____ ppm				Drill Collar Length 475' I.D. 2.25"			
Recovery Mud Filtrate @ _____ ° F. _____ ppm				Drill Pipe Length 2485' I.D. 3.340"			
Mud Pit Sample @ _____ ° F. _____ ppm				Packer Depth(s) 2994-3000' Ft.			
Mud Pit Sample Filtrate 3.68 @ 87 ° F. _____ ppm				Depth Tester Valve 2980' Ft.			
Mud Weight _____ vis _____ cp							
TYPE		AMOUNT		Depth Back		Surface	
Cushion				Ft. Pres. Valve		Choke 1" Alj. Bottom Choke .75"	
Recovered 5'		Feet of mud					
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Remarks SEE PRODUCTION TEST DATA SHEET							
Charts indicate bottom b.t. case apparently immersed in cuttings and cavings-partially plugged.							
TEMPERATURE		Gauge No. 2033		Gauge No. 2032		Gauge No.	
Depth:		2984 Ft.		3196 Ft.		Depth: Ft.	
Est. ° F.		24 Hour Clock		12 Hour Clock		Hour Clock	
Blanked Off NO		Blanked Off YES		Blanked Off		Tool A.M.	
Actual 89 ° F.		Pressures		Pressures		Opened 5:15 P.M.	
		Pressures		Pressures		Opened A.M.	
		Pressures		Pressures		Bypass 9:30 P.M.	
		Field Office		Field Office		Reported Computed	
		Field Office		Field Office		Minutes Minutes	
Initial Hydrostatic		1464 1454		1595 1575			
First Period Flow Initial		26 23		318 324			
Flow Final		26 23		424 355		30	
Closed in		66 80		451 440		45	
Second Period Flow Initial		26 20		451 464			
Flow Final		26 20		451 446		60	
Closed in		106 248		451 446		120	
Third Period Flow Initial							
Flow Final							
Closed in							
Final Hydrostatic		1451 1436		1582 1566			

FORMATION TEST DATA

LITTLE S 96671 10M 8/74

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000388

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED.

[illegible]

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub	6"	2.50"	1'	
Water Cushion Valve				
Drill Pipe	4"	3.340"	2485'	
Drill Collars	6"	2.25"	475'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.89"	4'	2972'
Dual CIP Sampler	5"	2.75"	4'	2976'
Hydro-Spring Tester	5"	.75"	4'	2980'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2.50"	4'	2984'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	7 1/2"	1.53"	6'	2994'
Distributor				
Packer Assembly	7 1/2"	1.53"	6'	3000'
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars	6"	2.25"	126'	
Flush Joint Anchor	5 3/4"	2.50"	20'	
Blanked-Off B.T. Running Case	5 3/4"	2.50"	4'	3196'
Total Depth				3200'