

Casing perms. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. 000073
Gas gravity _____ Oil gravity _____ GOR _____
Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED.

[illegible]

Gauge No. 2033		Depth 6000'		Clock No. 10445		12 hour		Ticket No. 000073	
First Flow Period		First Closed In Pressure		Second Flow Period		Second Closed In Pressure		Third Flow Period	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.
0 .000	149	.000	178	.000	190	.000	280		
1 .212	178	.0140*	1954	.413	280	.0275	2238		
2		.0350	2172			.0551	2296		
3 PLUGGING		.0560	2245	PLUGGING		.0826	2320		
4		.0770	2284			.1101	2335		
5		.0980	2307			.1377	2344		
6		.1190	2324			.1652	2351		
7		.1400	2335			.1927	2356		
8		.1610	2344			.2202	2360		
9		.1820	2349			.2478	2364		
10		.2030	2356			.2753	2365		
11		.2240	2358			.3028	2368		
12		.2450	2362			.3304	2369		
13		.2660	2366			.3579	2372		
14		.2870	2368			.3854	2372		
15		.3080	2369			.4130	2373		

Gauge No. 2032		Depth 6030'		Clock No. 12118		24 hour	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.
0 .000	1540-Q	.000	779	.000	951	.000	1735
1 .104	779	.0066*	2055	.201	1735	.0132	2255
2		.0165	2203			.0264	2308
3		.0264	2266			.0396	2334
4 PLUGGING		.0363	2300	PLUGGING		.0528	2349
5		.0462	2321			.0660	2358
6		.0560	2334			.0792	2366
7		.0659	2346			.0924	2371
8		.0748	2354			.1056	2375
9		.0859	2361			.1188	2378
10		.0956	2366			.1320	2380
11		.1055	2370			.1452	2383
12		.1154	2374			.1584	2384
13		.1253	2376			.1716	2387
14		.1352	2379			.1848	2388
15		.1450	2380			.1980	2389

Reading Interval 3

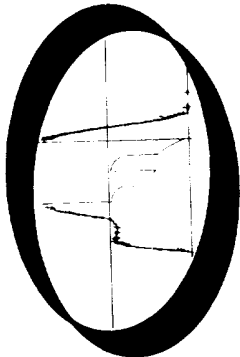
* = 2 minutes Q = Questionable

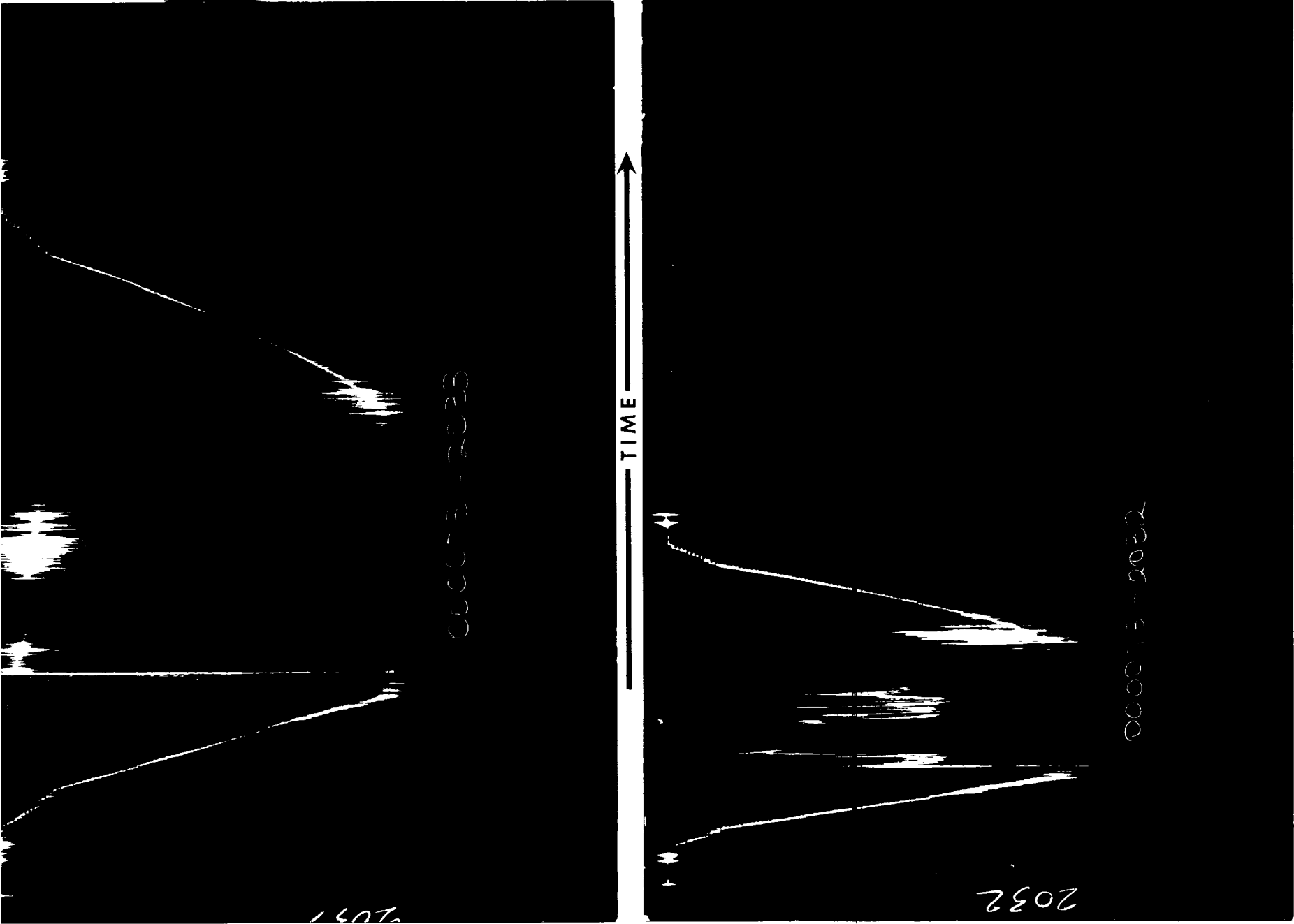
REMARKS:

SPECIAL PRESSURE DATA

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub	5 3/4"	2.5"	7	
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	5389'	
Drill Collars	6 1/4"	2.5"	620'	
Handling Sub & Choke Assembly				
Dual CIP Valve				
Dual CIP Sampler	5"	2.75"	6'	5989'
Hydro-Spring Tester	5"	.75"	5'	5995'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2.5"	5'	6000'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	7 1/2"	1.53"	6'	6013'
Distributor				
Packer Assembly	7 1/2"	1.53"	6'	6019'
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				
Flush Joint Anchor	5 3/4"	2.5"	11'	
Blanked-Off B.T. Running Case	5 3/4"	2.5"	4'	6030'
Total Depth				6034'

Formation Testing Service Report





NOMENCLATURE

- b = Approximate Radius of Investigation Feet
- b_1 = Approximate Radius of Investigation (Net Pay Zone h_1) 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_1) md
- m = Slope Extrapolated Pressure Plot ($Psi^3/cycle$ 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_{oi} = 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.