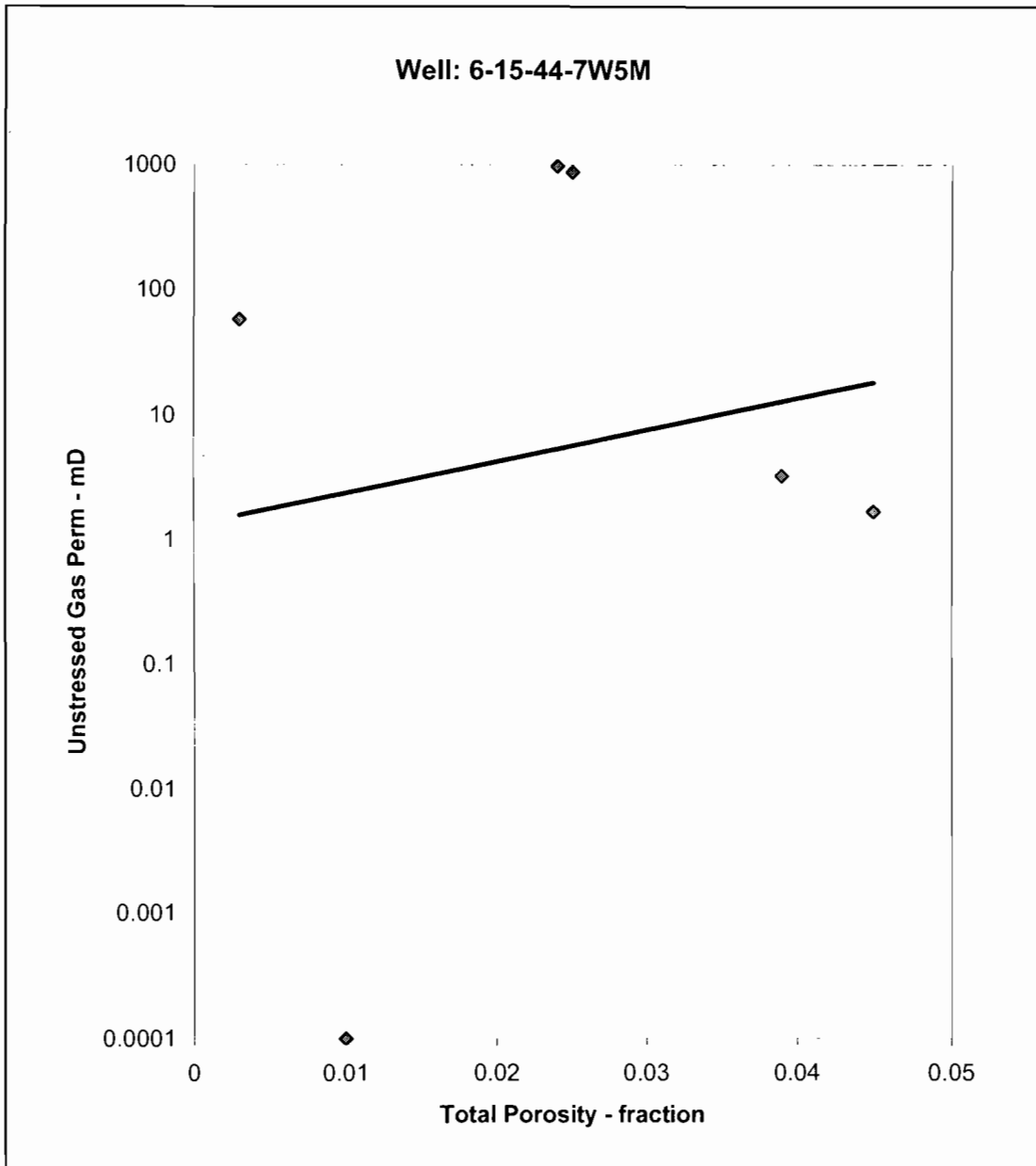


**TABLE 1**  
**PHYSICAL CORE PARAMETERS**

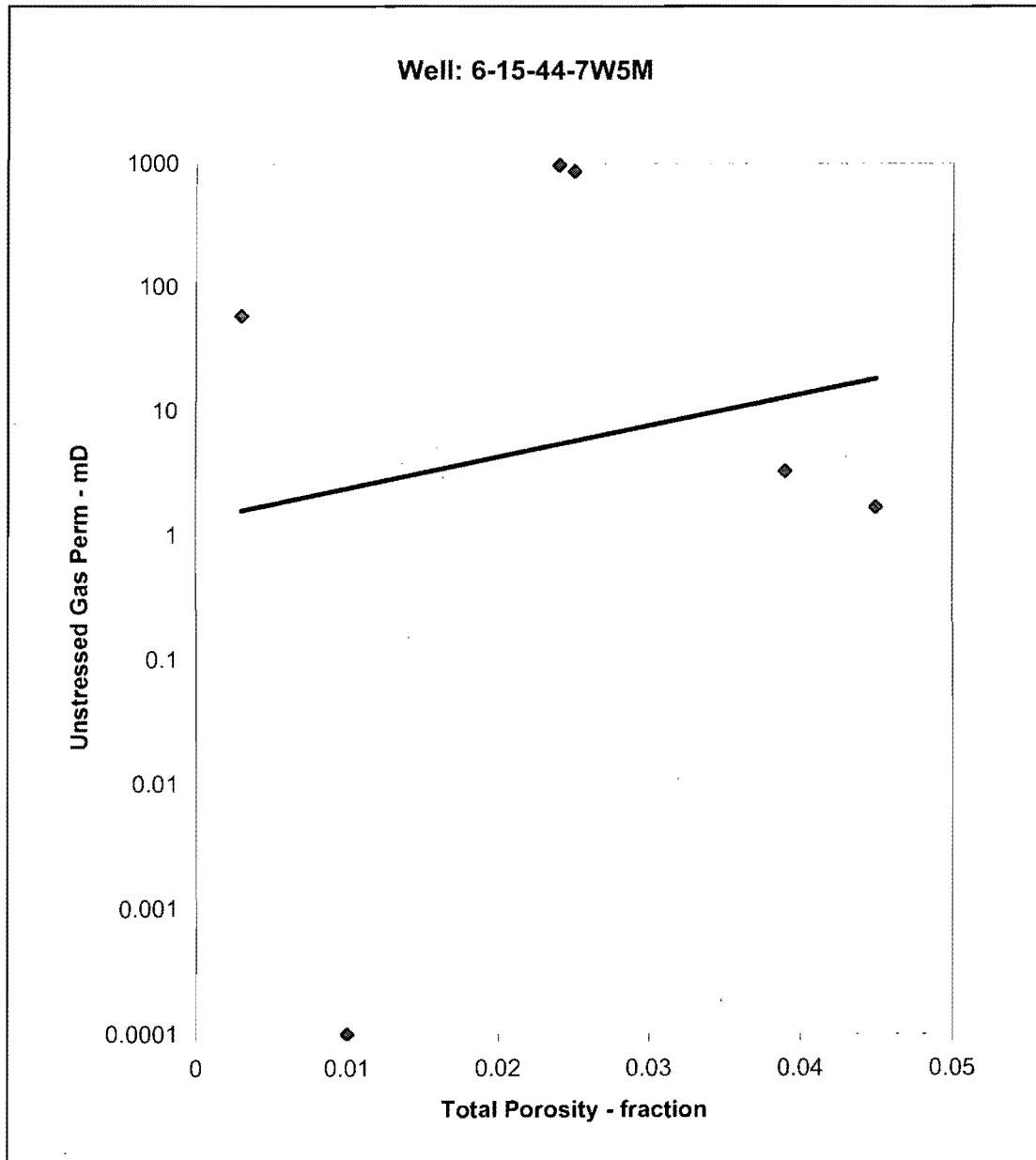
<b>Sample I.D.</b>	<b>Well Location</b>	<b>Depth (m)</b>	<b>Air Permeability (mD)</b>	<b>Porosity (fraction)</b>	<b>Grain Density (kg/m3)</b>
1	YT I-48	3660.2	3.26	0.039	2800
11	YT I-48	3664.5	0	0.01	2720
12	YT I-48	3665	1.68	0.045	2670
93*	YT I-48	3737	870	0.025	2840
256*	YT I-48	3776.5	57.92	0.003	2830
257*	YT I-48	3776.9	973.14	0.024	2830

\* Samples are 2.50 cm OD

**FIGURE 1**  
**PERMEABILITY vs. POROSITY CROSSPLOT**



**FIGURE 1**  
**PERMEABILITY vs. POROSITY CROSSPLOT**



**TABLE 2**  
**DRILLING FLUID EVALUATION with AMODRILL 1400 (INVERT)**

CORE & TEST PARAMETERS			
Well Location:	YT I-48	Length (cm):	3.31
Core I.D.:	257	Diameter (cm):	2.51
Depth (m):	3776.90	Pore Volume (cm <sup>3</sup> ):	0.39
Porosity (fraction):	0.024	Overbalance Pressure (kPa):	13284
Air Permeability (mD):	973	Pore Pressure (kPa):	20000
Test Temperature (°C):	160	Net Overburden Pressure (kPa):	20685

PERMEABILITY SUMMARY		
Test Phase	Permeability (mD)	Regain Permeability (%)
Initial Permeability to Nitrogen Gas @ 20% Swi (Forward Direction)	345	Baseline Permeability
Drilling Fluid Circulation with <b>AMODRILL 1400 (INVERT)</b> (Reverse Direction)	--	--
Regain Permeability to Nitrogen Gas (Forward Direction)		
Post     7     kPa	53.7	16%
Post     21    kPa	60.2	17%
Post     55    kPa	56.4	16%
Post     345  kPa	48.1	14%
Post    1586  kPa	52.4	15%
Post    5585  kPa	51.6	15%
Post   20000  kPa	133	39%

**TABLE 3**  
**DRILLING FLUID EVALUATION with AMODRILL 1400 (INVERT)**

<b>CORE &amp; TEST PARAMETERS</b>			
<b>Well Location:</b>	YT I-48	<b>Length (cm):</b>	3.31
<b>Core I.D.:</b>	257	<b>Diameter (cm):</b>	2.51
<b>Depth (m):</b>	3776.90	<b>Pore Volume (cm<sup>3</sup>):</b>	0.39
<b>Porosity (fraction):</b>	0.024	<b>Overbalance Pressure (kPa):</b>	13284
<b>Air Permeability (mD):</b>	973	<b>Pore Pressure (kPa):</b>	20000
<b>Test Temperature (°C):</b>	160	<b>Net Overburden Pressure (kPa):</b>	20685

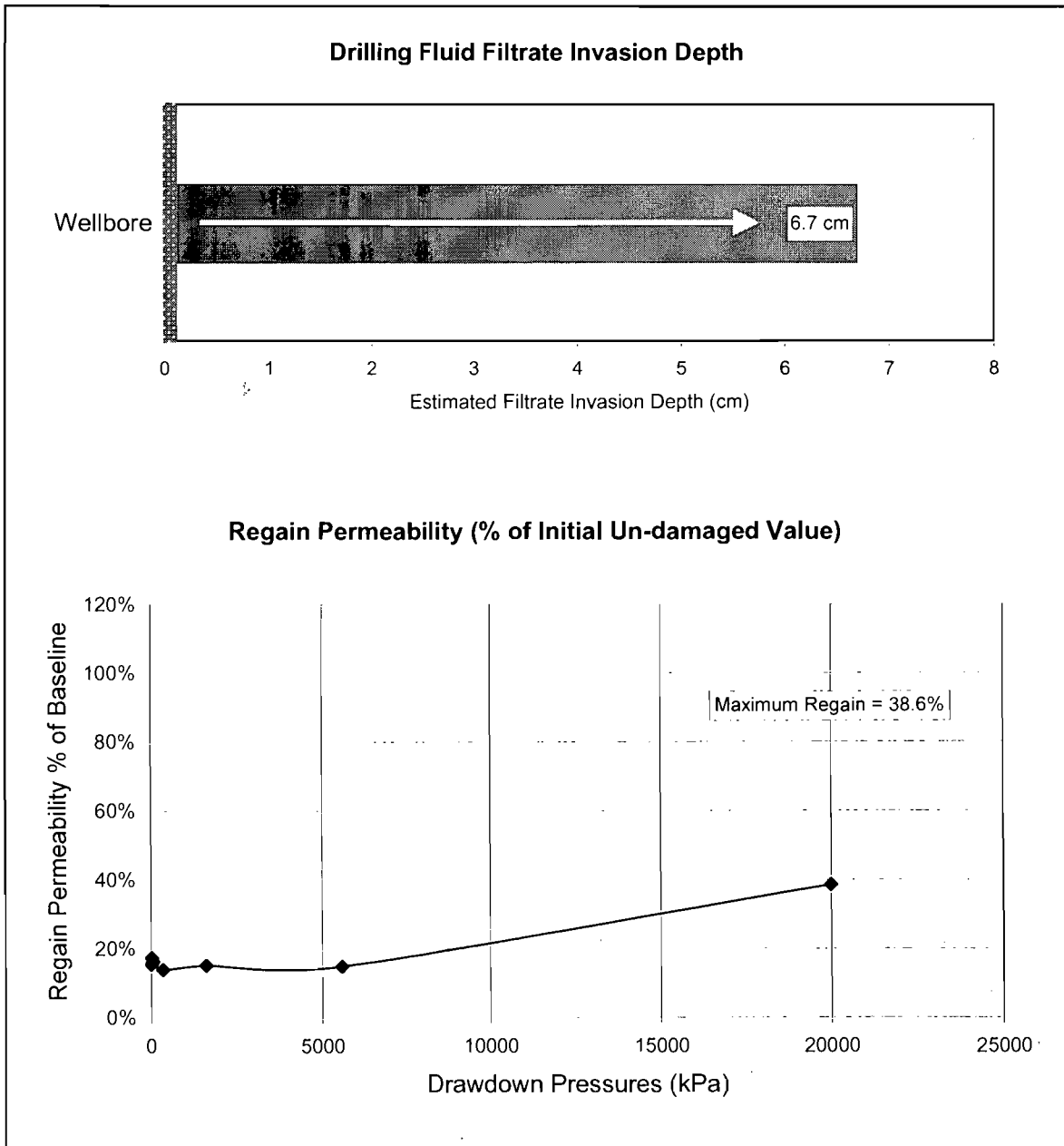
  

<b>LEAKOFF CHARACTERISTIC SUMMARY</b>	
Leakoff Exposure Time	240 minutes
Time to Seal-Off	Did not Seal Off
Total Leakoff Volume after 240 minutes	0.79 cc
Linear Filtrate Penetration Depth after 240 minutes of circulation	6.70 cm*

\* Assuming 100% Filtrate Sweep Efficiency

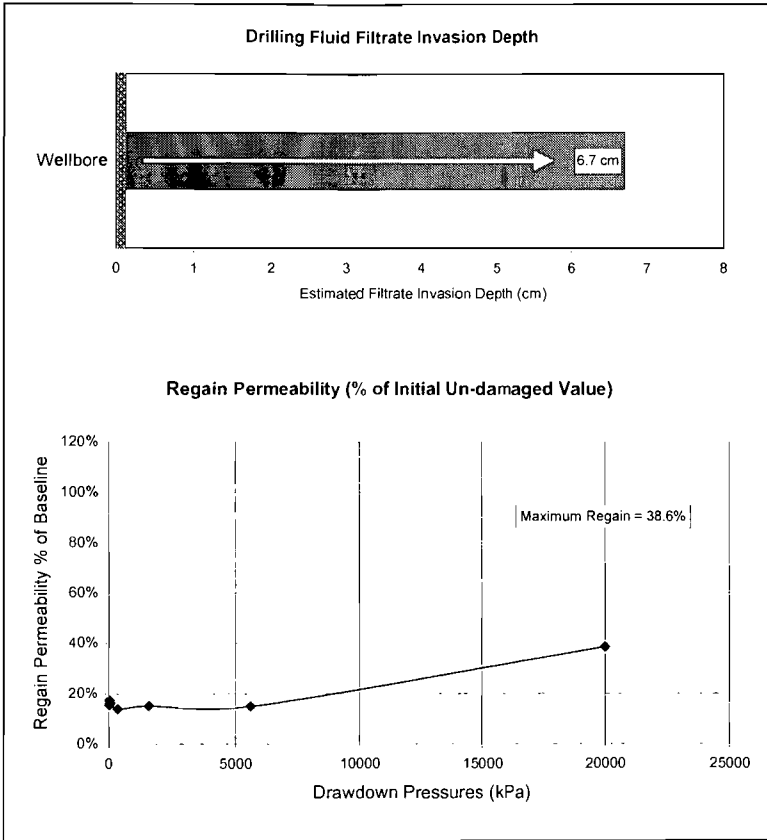
**FIGURE 2**  
**DRILLING FLUID EVALUATION with AMODRILL 1400 (INVERT)**

<b>Well Location:</b>	YT I-48	<b>Porosity (fraction):</b>	0.024
<b>Core Number:</b>	257	<b>Air Permeability (mD):</b>	973
<b>Depth (m):</b>	3776.90		



**FIGURE 2**  
**DRILLING FLUID EVALUATION with AMODRILL 1400 (INVERT)**

Well Location: YT I-48  
 Core Number: 257  
 Depth (m): 3776.90  
 Porosity (fraction): 0.024  
 Air Permeability (mD): 973



Wellbore	6.70	cm	6.7
Estimated Filtrate Invasion Depth (cm)			

Maximum Regain Permeability = 38.6%  
 Maximum Regain = 38.6%

Drawdown Pressures (kPa)	Regain Permeability (% of Baseline)
7	15.6%
21	17.4%
55	16.3%
345	13.9%
1586	15.2%
5585	15.0%
20000	38.6%