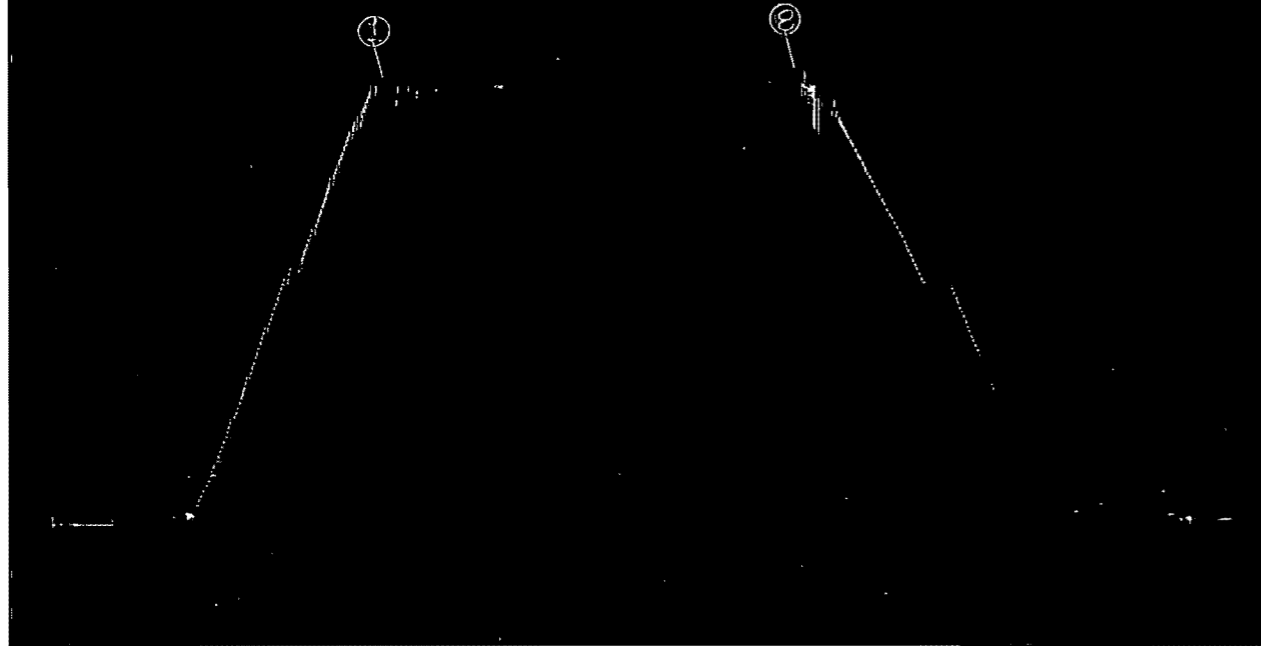


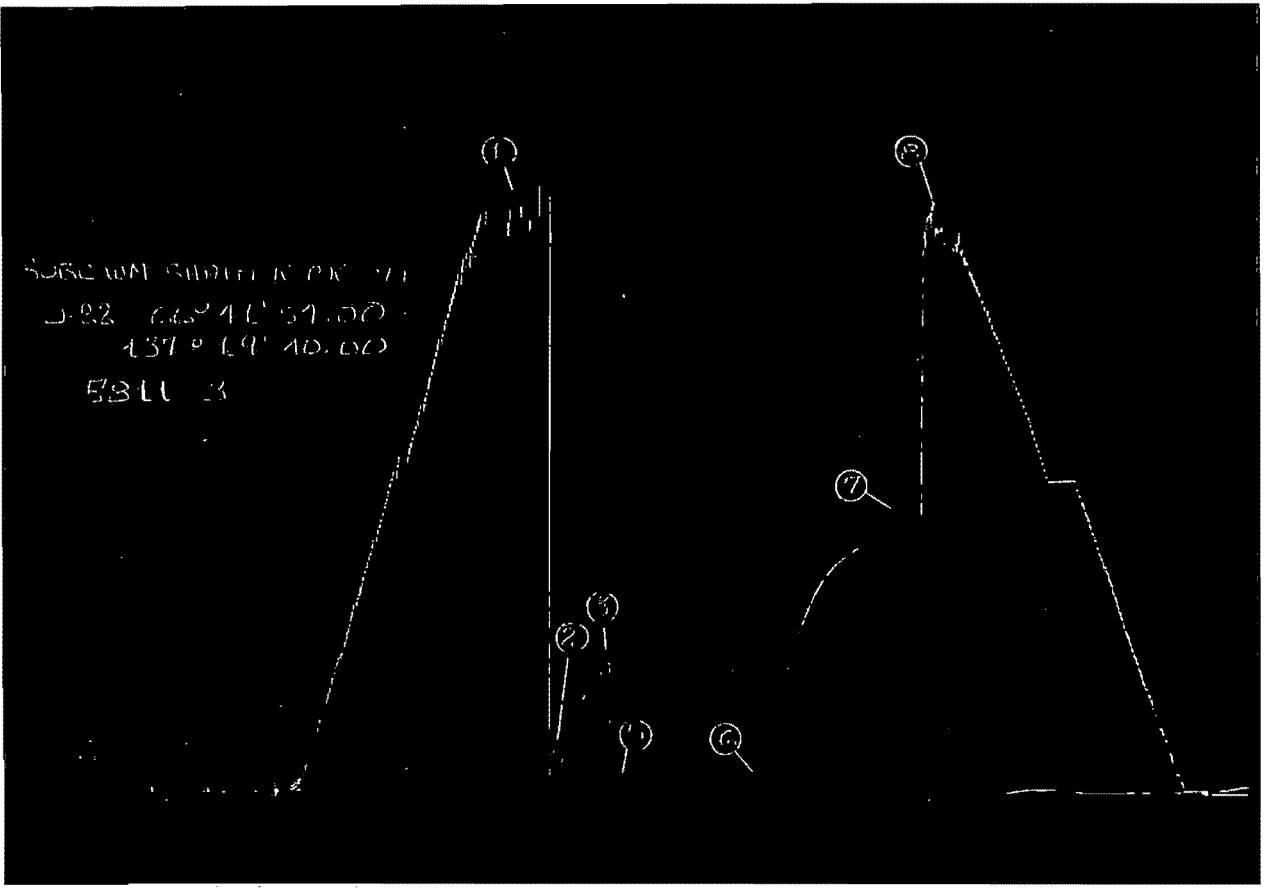
SOME TIME DIFFER OK 11 0 22

66° 41' 51.00 137° 19' 40.00

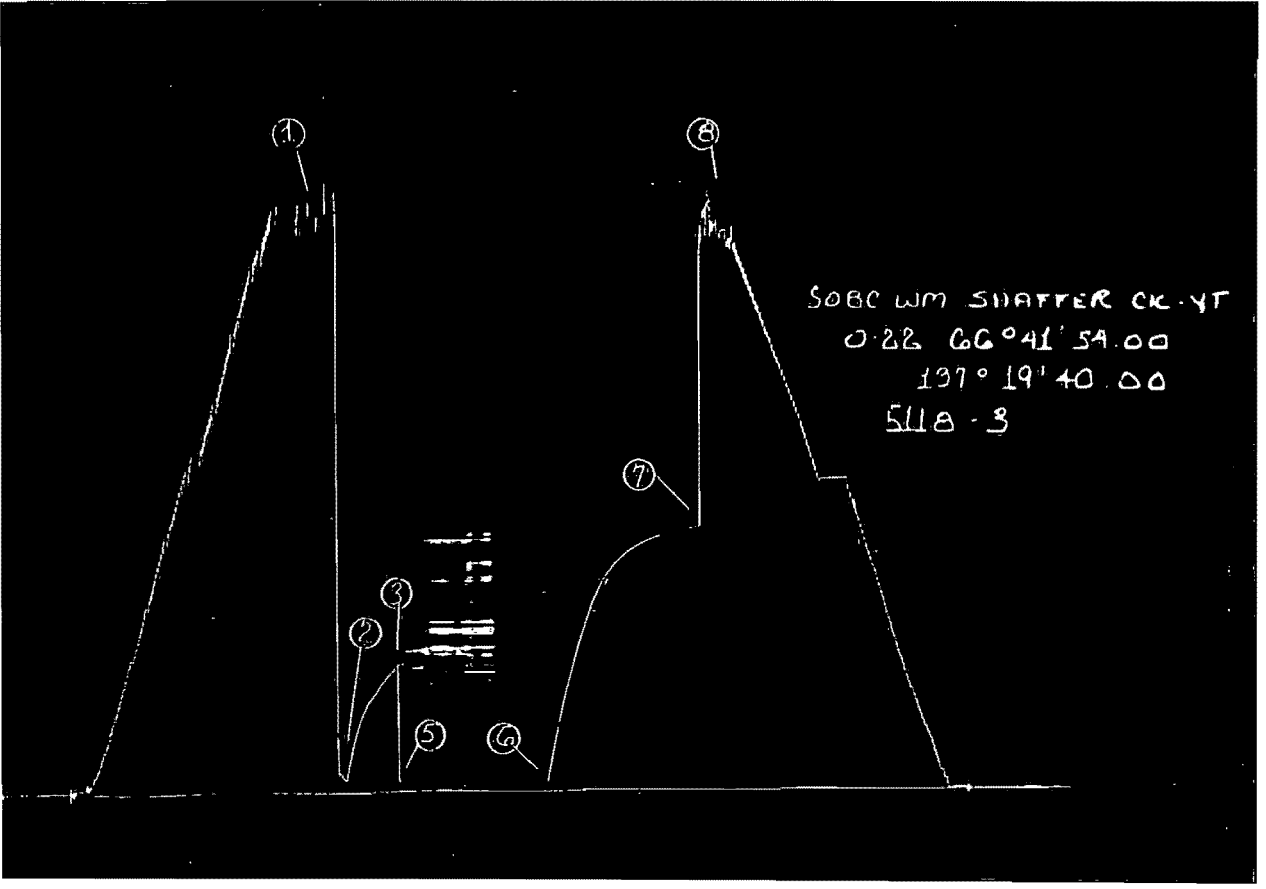
5812.3 Below Saddle



SOBC WM SHAFER CK. 4T
0.22 66°41'59.00
137° 19' 40.00
5811-3



SOBC WM SHAFER CK. 4T
0.22 66°41'59.00
137° 19' 40.00
5118-3



NOMENCLATURE (Definition of Symbols)

Q	= average production rate during test, bbl./day
Q_g	= measured gas production rate during test, MCF/day
k	= permeability, md
h	= net pay thickness, ft. (when unknown, test interval is chosen)
μ	= fluid viscosity, centipoise
Z	= compressibility factor
T_f	= reservoir temperature, ° Rankine
m	= slope of final SIP buildup plot, psig/cycle (psig ² /cycle for gas)
b	= approximate radius of investigation, feet
r_w	= wellbore radius, feet
t_o	= total flowing time, minutes
P_o	= Extrapolated maximum reservoir pressure, psig
P_f	= final flowing pressure, psig
P.I.	= productivity index, bbl./day/psi
P.I. _t	= theoretical productivity index with damage removed, bbl./day/psi
D.R.	= damage ratio
E.D.R.	= estimated damage ratio
AOF	= absolute open flow potential, MCF/D
AOF _t	= theoretical absolute open flow if damage were removed
Z	= subsea depth
W	= water gradient based on salinity
H _w	= potentiometric surface

In making any interpretation, our employees will give Customer the benefit of their best judgment as to the correct interpretation. Nevertheless, since all interpretations are opinions based on inferences from electrical, mechanical or other measurements, we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not be liable or responsible, except in the case of gross or wilful negligence on our part, for any loss, costs, damages or expenses incurred or sustained by Customer resulting from any interpretation made by any of our agents or employees.

DEFINITION OF SYMBOLS

Recorder Depth 8322 ft. Subsea depth ft. Ticket No. 2932 Hour Recorder No. 5811

$t_0 = 10$ Mins. Initial Shut-In Pressure				Second Flow Pressure		$t_0 = 90$ Mins. Final Shut-In Pressure			
Time, Min. \emptyset	$\frac{t_0 + \emptyset}{\emptyset}$	PSIG	PSIG ² +10 ⁶ (Gas)	Time Defl. .000"	PSIG	Time, Min. \emptyset	$\frac{t_0 + \emptyset}{\emptyset}$	PSIG	PSIG ² +10 ⁶ (Gas)
0	-----	89				0	-----	72	
5	3.000	236				10	20.000	476	
10	2.000	371				20	10.500	794	
15	1.667	538				30	7.333	1067	
20	1.500	633				40	5.750	1287	
25	1.400	715				50	4.800	1489	
30	1.333	767				60	4.167	1648	
35	1.285	816				70	3.714	1773	
40	1.250	871				80	3.375	1865	
45	1.222	921				90	3.111	1930	
50	1.200	965				100	2.900	1985	
55	1.181	998				110	2.727	2025	
60	1.167	1042				120	2.583	2058	
						130	2.461	2085	
						140	2.357	2111	
						150	2.267	2131	
						160	2.187	2148	
						170	2.117	2168	
						180	2.056	2181	

Initial shut-in pressure not extrapolated

Recorder Depth ft. Subsea depth ft. Ticket No. Hour Recorder No.

$t_0 =$ Mins. Initial Shut-In Pressure				Second Flow Pressure		$t_0 =$ Mins. Final Shut-In Pressure			
Time, Min. \emptyset	$\frac{t_0 + \emptyset}{\emptyset}$	PSIG	PSIG ² +10 ⁶ (Gas)	Time Defl. .000"	PSIG	Time, Min. \emptyset	$\frac{t_0 + \emptyset}{\emptyset}$	PSIG	PSIG ² +10 ⁶ (Gas)

Interval of Pressure Readings (Mins.) ISIP 5 2nd Flow Press. FSIP 10

Remarks: DST # 3

PRESSURE DATA

Rec. No. 5811

Depth 8322 ft.

P_o^2 (Gas) _____ psig²

P_o 2580 psig

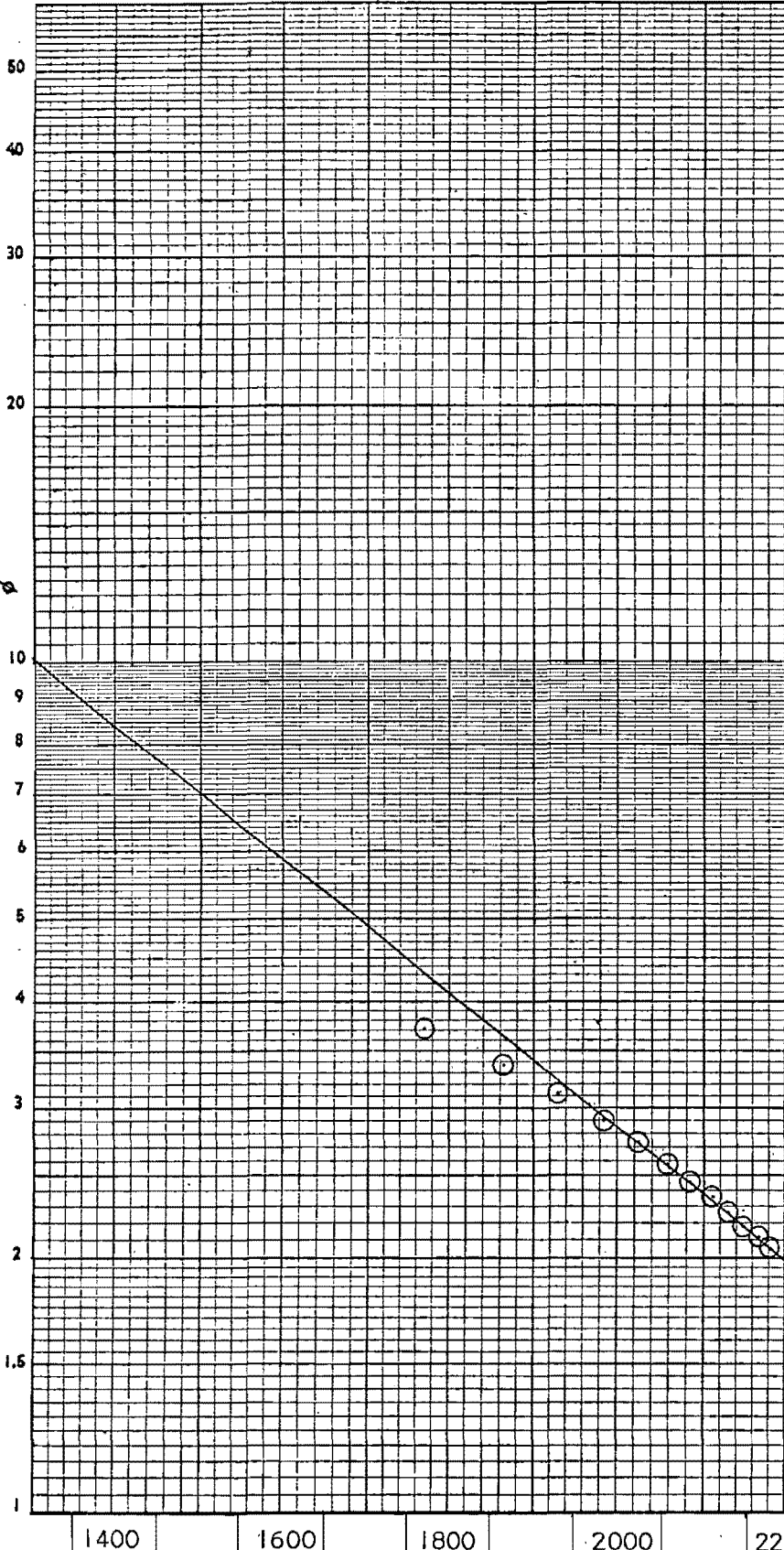
m 1275 psig/cycle
~~psig/cycle (Gas)~~

Initial SIP not extrapolated

2nd SIP Δ

Final SIP \odot 2580 psig

$t_o + \phi$



PSIG (OIL OR WATER)

DST # 3

PRESSURE EXTRAPOLATION PLOT

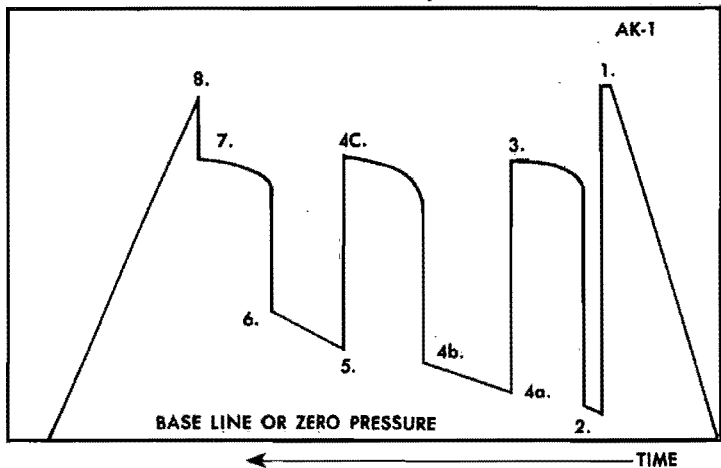
LYNES UNITED SERVICES LTD.

TEST DATA				GENERAL INFORMATION			
Test No. 3		Lynes Test		Company Chevron Standard Ltd.			
Formation T.D. 10,370		Ft.		Address 400 - Fifth Avenue S.W.			
Interval Tested 8314		Ft. to 8420		City Calgary, Alberta			
Feet of Net Pay Tested 106		Ft.					
Type of Test Inflatable Straddle							
Cushion nil		Amount		Well Name SOBC - WM Shaeffer Ck - YT-0-22			
Started in Hole at 1:30		Hrs.		Well Number 660 41' 1370 19' 40.00			
Pre-Flow 10		Mins.		K.B. Elevation 1155			
Initial Shut-in 60		Mins.		Sub-Sea Elevation			
2nd Flow		Mins.		Area Eagle Plains			
Second Shut-in		Mins.		Province Yukon			
Final Flow 180		Mins.		Company Rep. Mr. Larry Grumbly			
Final Shut-in 180		Mins.		Tester Pat McDonnell			
Remarks:				Contractor GP			
				Rip No. 15			
				Ticket No. 2932			
				Date May 3/71			
Blow: Good initial puff. Strong blow. Gas to surface in 4 minutes on main flow				Service Reports To: 10 - above address			
GAS BLOW MEASUREMENTS				MUD AND HOLE DATA			
Measured with too small to measure. Caught 2 samples but had to shut flare line off 35 minutes for 20 psi.				Mud Type Gel Chem			
				Weight 10.4 Viscosity 210 Water Loss 5.5			
				Filter Cake 2/32" Bottom Hole Temperature			
Time	Surface Choke	Reading Inches	Cubic Feet/Day	Drill Pipe Size 4 1/2" FH	Weight		
				Drill Collars 5"H90	I.D. 2 7/8	Feet Run 214.78	
				Main Hole or Casing Size 8 3/4"			
				Rathole or Liner Size	No. of Feet		
				Bottom Hole Choke Size 3/4"			
				Surface Choke Size adjustable			
				Packer Rubber Size 7 x 72"			
				REMARKS Shut-in pressures suggest low permeability within the interval tested.			
RECOVERY							
TOTAL FLUID RECOVERED 120				Ft. Consisting of:			
120 Ft. of drilling mud							
Ft. of							
Ft. of							
Ft. of							
Test was/was not Reverse Circulated was not							
Oil Recovery A.P.I. Water Specific Gravity							
Salinity							
PRESSURE READINGS							
NUMBER KEY: 1 - INITIAL HYDROSTATIC 2 - PRE-FLOW 3 - INITIAL SHUT-IN 4a - 2nd INITIAL FLOW 4b - 2nd FINAL FLOW 4c - 2nd SHUT-IN 5 - 3rd INITIAL FLOW 6 - FINAL FLOW 7 - FINAL SHUT-IN - FINAL HYDROSTATIC	Inside _____ Outside <u>X</u>	Inside _____ Outside <u>X</u>	Inside _____ Outside <u>X</u>	Inside _____ Outside _____			
	Recorder No. 5811	Recorder No. 5118	Recorder No. 5812	Recorder No. _____			
	Capacity 6000	Capacity 6000	Capacity 8200	Capacity _____			
	Depth 8322	Depth 8322	Depth 8435	Depth _____			
	4788	4773	4890	_____			
	89	91	_____	_____			
	1042	1037	_____	_____			
	_____	_____	_____	_____			
	_____	_____	_____	_____			
	_____	_____	_____	_____			
79	84	_____	_____				
72	79	_____	_____				
2181	2175	_____	_____				
4788	4773	4969	_____				

Chevron Standard Ltd. Company
 SOBC - WM Shaeffer CK - YT - 0-22
 660 41' 1370 19'
 Well Name and Description
 DST # 3
 May 3/71
 Date of Test

GUIDE TO INTERPRETATION AND IDENTIFICATION OF LYNES DRILL STEM TEST PRESSURE CHARTS

AK-1 recorders. Read from right to left.

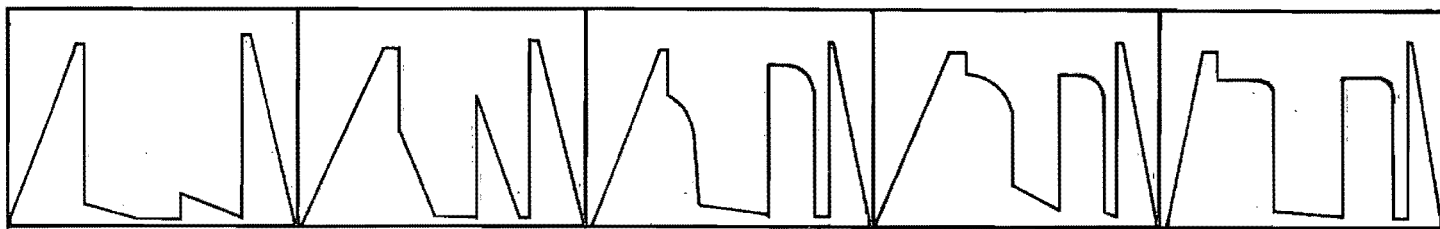


1. INITIAL HYDROSTATIC MUD PRESSURE
2. PRE-FLOW
3. INITIAL SHUT-IN
- 4a. 2nd INITIAL FLOW
- 4b. 2nd FINAL FLOW
- 4c. 2nd SHUT-IN
5. 3rd INITIAL FLOW
6. FINAL FLOW
7. FINAL SHUT-IN
8. FINAL HYDROSTATIC MUD PRESSURE

N.B. When only two shut-in and flow periods are run, 4a, 4b and 4c are omitted.

K-3 recorders. Read from left to right.

Typical charts for visual field analysis ranging from very low to high permeability.



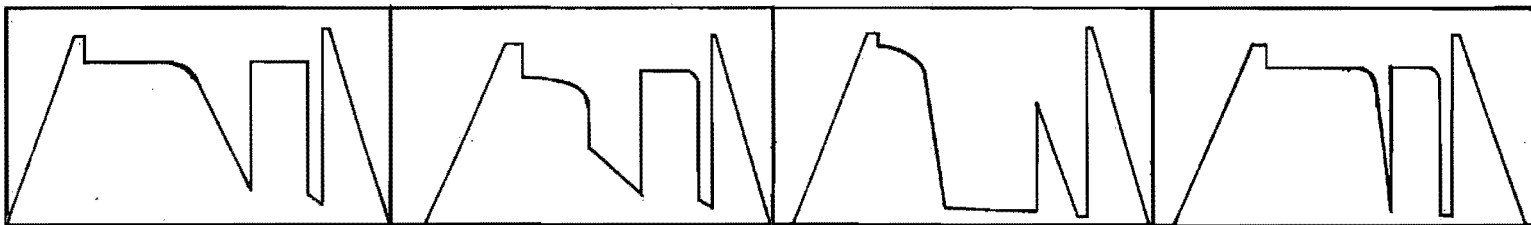
Very low permeability. Usually only mud recovered from interval tested. Virtually no permeability.

Slightly higher permeability. Again usually mud recovered.

Slightly higher permeability. Small recovery, less than 200' ft).

Average permeability. Final and initial shut-ins differ by 50 psi.

Average permeability. Strong damage effect. High shut-in pressure, low flow pressure.



Excellent permeability where final flow final shut-in pressure.

High permeability where ISIP and FSIP are within 10 psi.

Deep well bore invasion or damage. Final shut-in higher than the initial shut-in.

Tight hole chamber tester. Permeability very difficult to interpret unless the recovery is less than chamber length. Flow pressure builds up rapidly if recovery is large, similar to a shut-in.