

CRUDE OIL TESTING, INC.

DATE 5/13/88

TEST TICKET NO. 5881

Company: Ritchie Exploration Inc.

Company Address: Wichita, KS

Location: Sec. 36 Twp. 6S Range 22W Co. Graham

State KS

Well Name & Number: #1 Thurlow

Code E6

ENGINEERING DATA	Elevation 2286 KB	Drill Pipe Length 3159	ID 3.8 "
	Mud Viscosity 48	Weight Pipe Length 571	ID 2.76"
	Mud Weight 9.5	Drill Collar Length	
	Water Loss 10.6	Top Packer Depth 3746	
	Type of Mud Chemical	Bottom Packer Depth 3751	
	Anchor Length 58	Tool Joint Size 4.5	XH
	Hole Size 7 7/8	Test Tool Size 5 1/2	
	Casing Size 8 5/8	Packer Size 6 3/4	
	Surface Choke 3/4	Reversed Out No	
	Bottom Choke 3/4	Recorder # 13255	
	Extra Equipment	None	

REMARKS DST #5

FORMATION	Cong. Zone Sand	Test Type Conventional
	Interval 3751 To 3809	Total Depth 3809
	Open 45 Shut In 60	Open 45 Shut In 60
	Packer(s) Set 05:00PM	Started Off Bottom 08:30PM
	Blow 1st Opening Weak building to 4 inches	
	2nd Opening Weak building to 2 inches	

RECOVERY Total Feet 130
Recovered 130 feet of watery mud

CALCULATED RECOVERY	Gas Oil Water 40 Mud 90
	Gravity (Oil) Test Water Chlorides 27,000 PPM
	Test Area Temperature 118F Mud System Chlorides 4,000 PPM

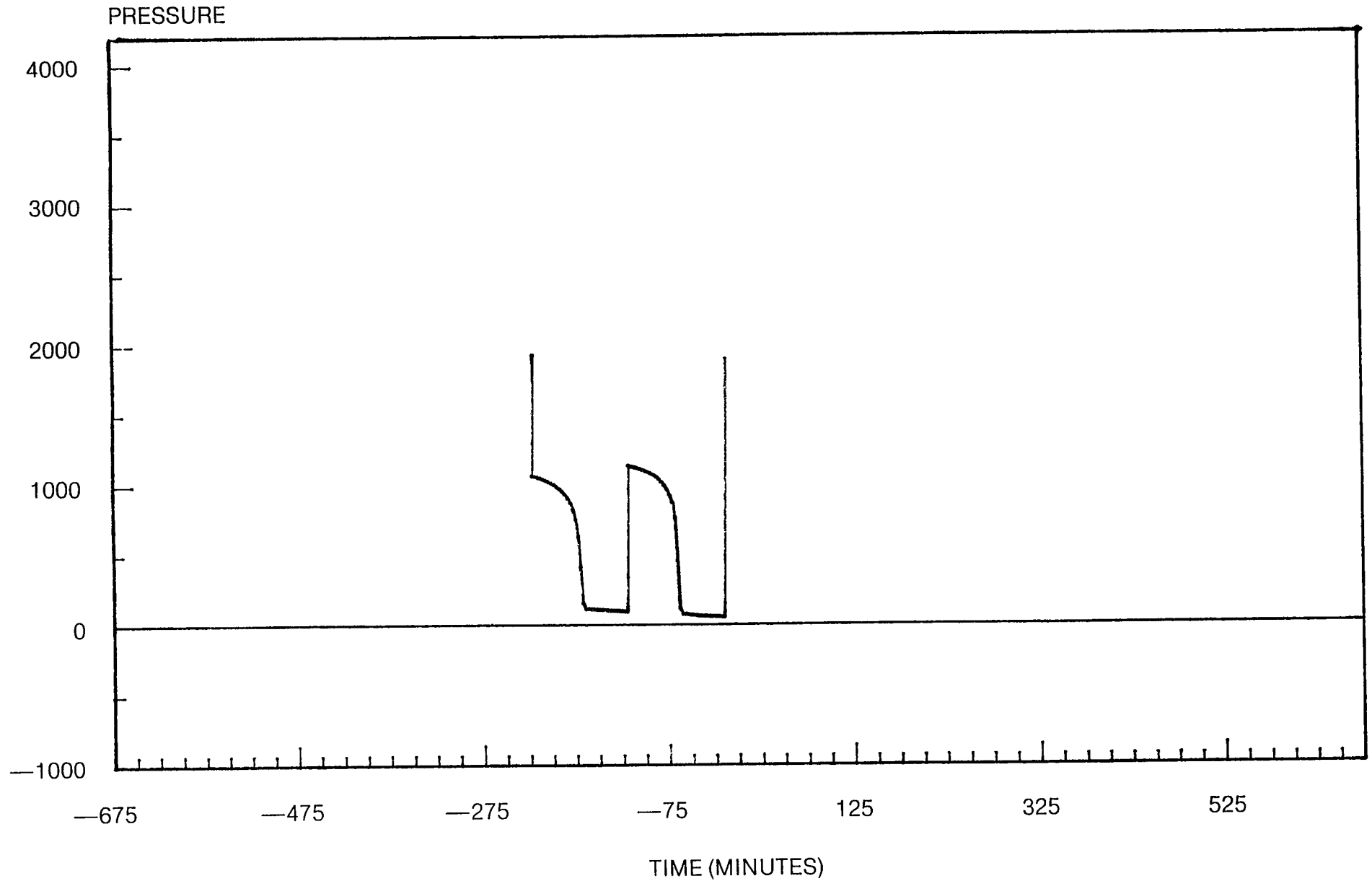
	FIELD READING	OFFICE READING	
PRESSURE	(A) Initial Hydrostatic Mud	1901	PSI
	(B) First Initial Flow Pressure	47	PSI
	(C) First Final Flow Pressure	70	PSI
	(D) Initial Closed-In Pressure	1123	PSI
	(E) Second Initial Flow Pressure	81	PSI
	(F) Second Final Flow Pressure	93	PSI
	(G) Final Closed-In Pressure	1043	PSI
	(H) Final Hydrostatic Mud	1878	PSI

CRUDE OIL TESTING INC.

FOR: RITCHIE EXPLORATION, INC. TEST 5881

DST #5

05/13/88



PRESSURE BREAKDOWN

TEST TICKET NO. 5881

DST Number: 5 Recorder' Number: 13255 Clock Number: 25113

First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In
Mins. Press.	Mins. Press.	Mins. Press.	Mins. Press.
0 53	0 74	0 89	0 108
3 54	3 116	3 90	3 149
6 55	6 459	6 92	6 409
9 57	9 766	9 93	9 624
12 57	12 873	12 94	12 749
15 58	15 927	15 95	15 819
18 59	18 964	18 96	18 866
21 60	21 995	21 97	21 901
24 61	24 1019	24 99	24 927
27 62	27 1039	27 100	27 949
30 65	30 1054	30 101	30 966
33 67	33 1067	33 102	33 980
36 69	36 1078	36 104	36 993
39 72	39 1087	39 106	39 1004
42 73	42 1096	42 107	42 1014
45 74	45 1104	45 108	45 1024
	48 1111		48 1033
	51 1118		51 1040
	54 1124		54 1047
	57 1129		57 1051
	60 1134		60 1056

EQUIPMENT DATA

TOOL SEQUENCE REPORT

DST Number: 5

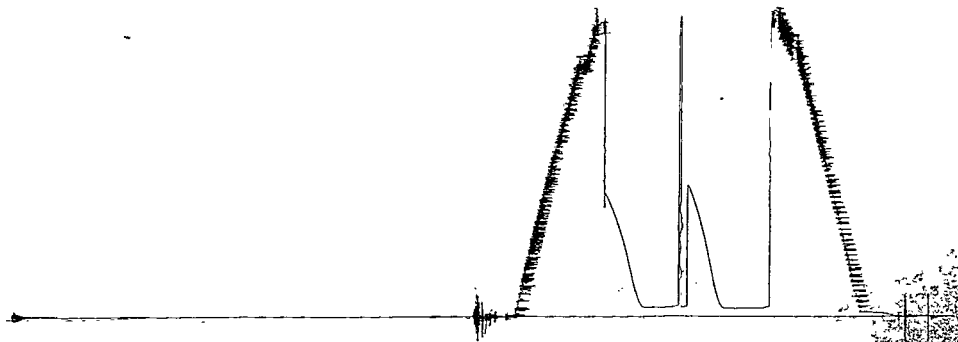
TEST TICKET NO. 5881

WELL NAME: #1 Thurlow

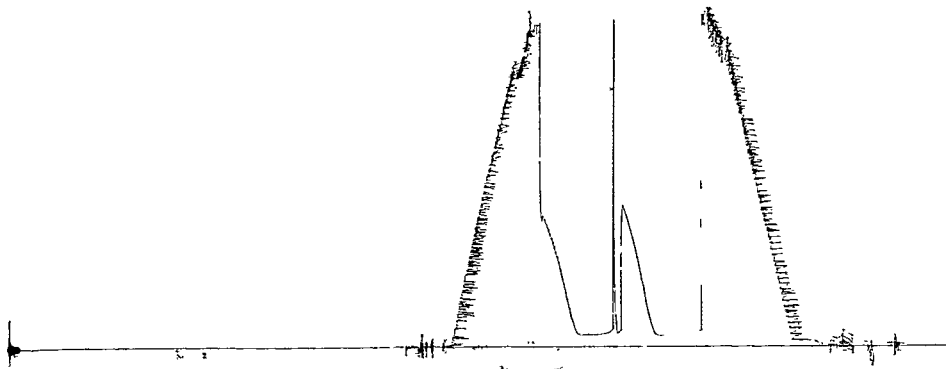
WELL LOCATION: 36-6s-22w

Tool #	Tool	Length	I.D.	O.D.
1	Drill Pipe - 4.5"	3159.00	3.826	4.50
3	Weight Pipe	571.00	2.760	4.50
8	Circulating Sub	1.00	3.000	5.00
7	Changeover Sub	2.00	3.000	5.00
9	Shut-In Tool	5.45	0.870	5.00
10	Hydraulic Tool	5.60	1.000	5.00
14	Packer	5.35	1.530	6.75
14	Packer	5.35	1.530	6.75
6	Anchor	54.00	2.750	5.00
15	Recorder Carrier	1.00		5.00
16	Bull Plug	2.00		5.00
	Total Depth	3811.75		

TOP 13255
DST#1 5877

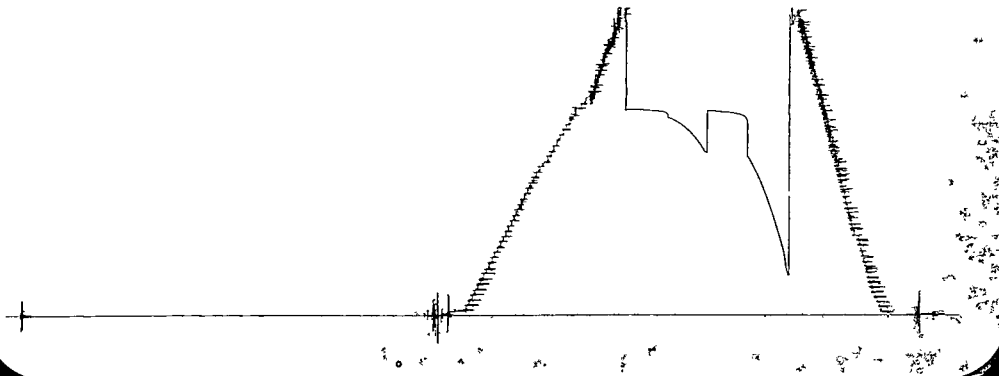


- BOTTOM 13248
DST #1 5877

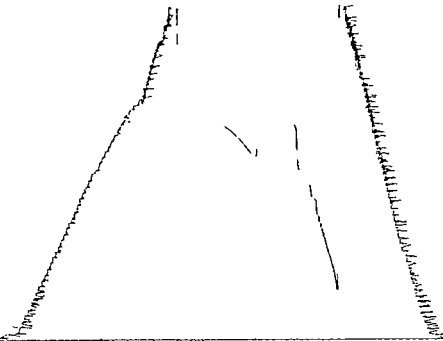


Top 13255

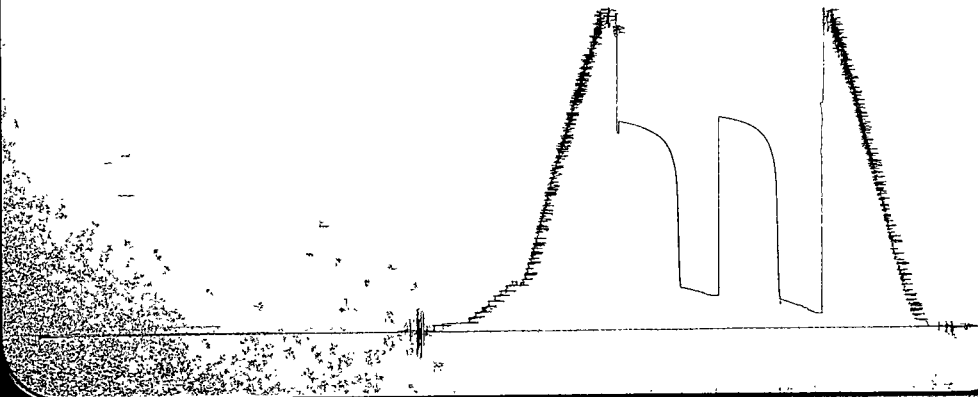
DST# 2 5878



Bottom 13248
DST #2 5878



Top 13255
DST# 4 5880



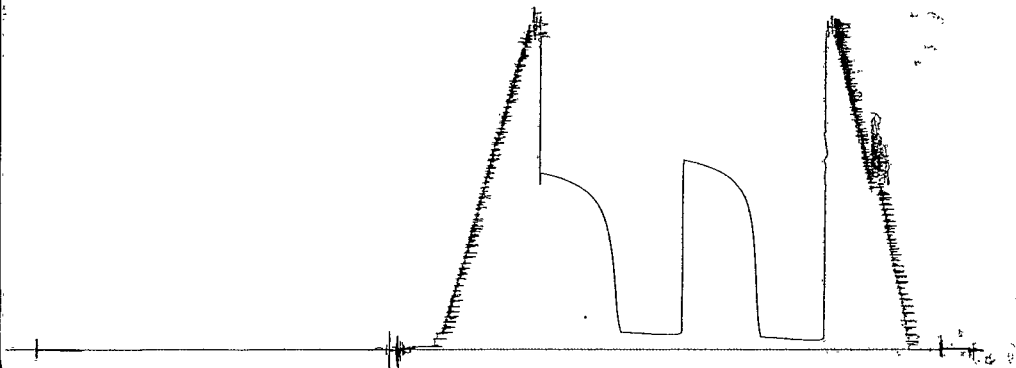
BOTTOM 13298

DIST #4 5880



TOP 13255

DST. # S 5881



BOTTOM 13248
DST#5 5881

