



FORMATION TESTING SERVICE REPORT

OCT 12 1984

CRUDE OIL TESTING, INC.

DATE 10/9/84

TEST TICKET NO. 4651

Company: J. A. Allison
 Company Address: 300 W. Douglas Suite 305 Wichita KS 67202
 Location: Sec. 23 Twp. 18S Range 18W Co. Rush State KS
 Well Name & Number: Rush Co. #4 Code E19

ENGINEERING DATA	Elevation 2014 KB	Drill Pipe Length 3702	ID 3.8 "
	Mud Viscosity 43	Weight Pipe Length	
	Mud Weight 9.7	Drill Collar Length	
	Water Loss 10.8	Top Packer Depth 3718	
	Type of Mud Starch	Bottom Packer Depth 3723	
	Anchor Length 42	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 #1
 Flushed tool 10 min. into second opening.

FORMATION Conglomerate Zone Sand Test Type Conventional
 Interval 3723 To 3765 Total Depth 3765
 Open 30 Shut In 30 Open 30 Shut In 30
 Packer(s) Set 05:53PM Started Off Bottom 07:55PM
 Blow 1st Opening Weak, died in 25 min.
 2nd Opening No blow, flushed tool, no blow.

RECOVERY Total Feet 20
 Recovered 20 feet of Mud - few spots of oil

CALCULATED RECOVERY Gas Oil Water Mud 20
 Gravity (Oil) Test Water Chlorides PPM
 Test Area Temperature 111F Mud System Chlorides 28,000 PPM

		FIELD READING	OFFICE READING	
PRESSURE	(A) Initial Hydrostatic Mud	2027	2050	PSI
	(B) First Initial Flow Pressure	46	29	PSI
	(C) First Final Flow Pressure	46	44	PSI
	(D) Initial Closed-In Pressure	513	524	PSI
	(E) Second Initial Flow Pressure	46	38	PSI
	(F) Second Final Flow Pressure	46	52	PSI
	(G) Final Closed-In Pressure	536	549	PSI
	(H) Final Hydrostatic Mud	2004	1977	PSI

CRUDE OIL TESTING INC.

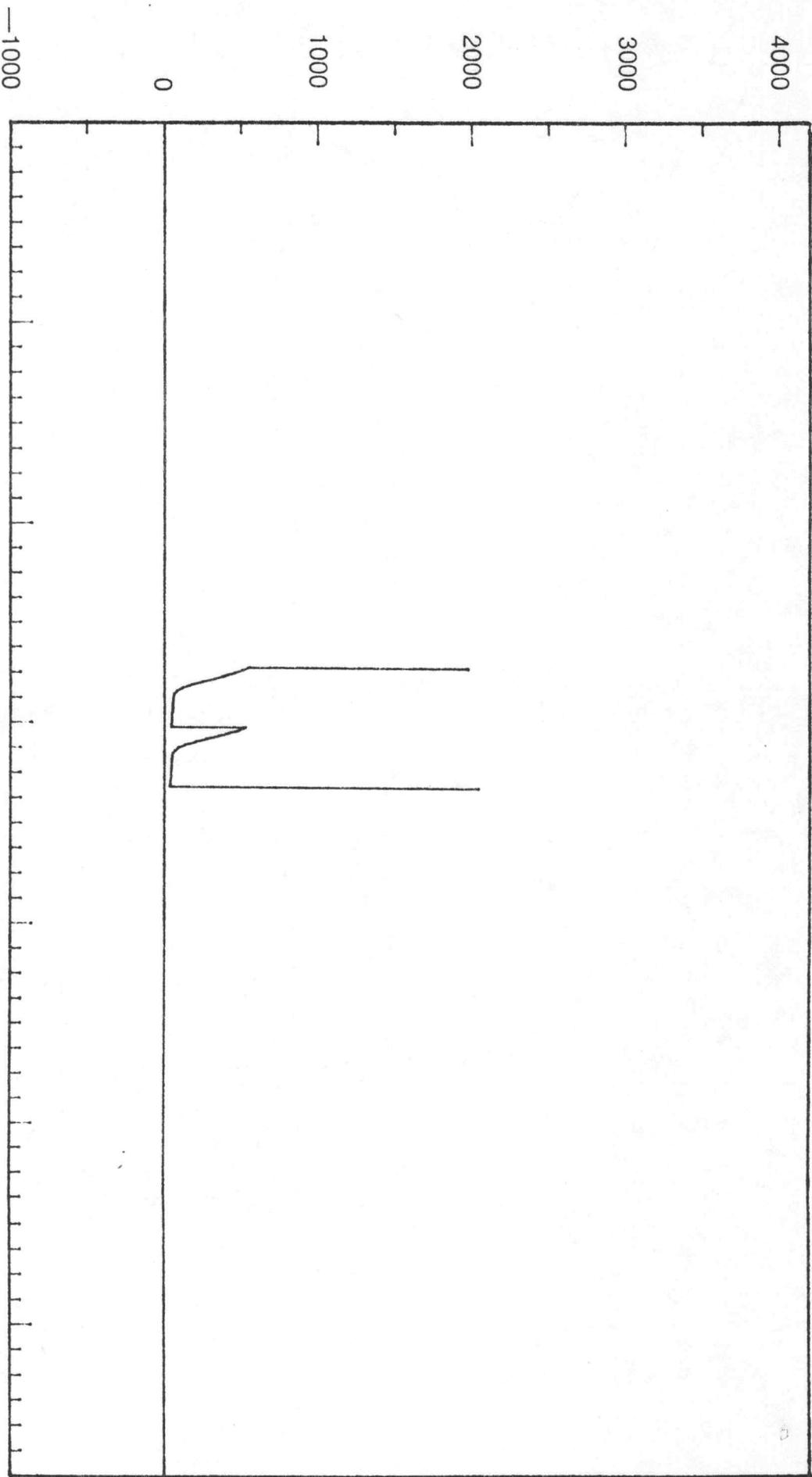
FOR: J. A. Allison

TEST 4651

DST 1

10/09/84

PRESSURE



TIME (MINUTES)

PRESSURE BREAKDOWN

TEST TICKET NO. 4651

DST Number: 1 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 29	0 44	0 38	0 52
3 33	3 48	3 38	3 58
6 33	6 64	6 40	6 78
9 37	9 86	9 41	9 113
12 37	12 132	12 41	12 171
15 37	15 199	15 45	15 242
18 38	18 268	18 46	18 323
21 40	21 347	21 47	21 388
24 41	24 418	24 48	24 450
27 44	27 484	27 50	27 505
30 44	30 523	30 52	30 549

EQUIPMENT DATA
TOOL SEQUENCE REPORT

DST Number: 1

TEST TICKET NO. 4651

WELL NAME: Rush Co. #4

WELL LOCATION: 23-18S-18W

Tool #	Tool	Length	I.D.	O.D.
1	Drill Pipe - 4.5"	3702.00	3.826	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	38.00	2.750	5.00
15	Recorder Carrier	1.00		5.00
16	Bull Plug	2.00		5.00
	Total Depth	3767.75		