

## DRILL-STEM TEST DATA

**Well Name:** CAMP #1  
**Company :** JASON OIL CO  
**Location - Sec:** 27                      **Twp:** 14S                      **Rge:** 15W  
**County:** RUSSELL                      **State:** KS  
**Date:** 07/27/95

TRILOBITE TESTING L.L.C.

OPERATOR : JASON OIL COMPANY

DATE 7-27-95

WELL NAME: CAMP #1

KB 1873.00 ft

TICKET NO: 7918

DST #1

LOCATION : 27-14S-15W, RUSSELL CTY

GR 1868.00 ft

FORMATION: GORHAM SAND

INTERVAL : 3277.00 To 3292.00 ft

TD 3292.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	AK-1	AK-1	AK-1			PF Fr. 30 to hr
SI 30 Range(Psi )	3050.0	3050.0	3925.0	0.0	0.0	IS Fr. 30 to hr
SF 30 Clock(hrs)	22346	22346	23839			SF Fr. 30 to hr
FS 30 Depth(ft )	3287.0	3287.0	3278.0	0.0	0.0	FS Fr. 30 to hr

	Field	1	2	3	4	
A. Init Hydro	1742.0	1720.0	0.0	0.0	0.0	T STARTED 0410 hr
B. First Flow	7.0	2.0	0.0	0.0	0.0	T ON BOTM 0520 hr
B1. Final Flow	15.0	9.0	0.0	0.0	0.0	T OPEN 0522 hr
C. In Shut-in	1039.0	1026.0	0.0	0.0	0.0	T PULLED 0722 hr
D. Init Flow	30.0	33.0	0.0	0.0	0.0	T OUT 0828 hr
E. Final Flow	30.0	24.0	0.0	0.0	0.0	
F. Fl Shut-in	986.0	983.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1712.0	1698.0	0.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 32000.00 lbs
						Initial Str Wt 32000.00 lbs
						Unseated Str Wt 32000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 0.00 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 3276.00 ft

RECOVERY

Tot Fluid 15.00 ft of 0.00 ft in DC and 15.00 ft in DP  
 5.00 ft of CLEAN OIL - 100% OIL  
 10.00 ft of SLIGHTLY OIL CUT MUD - 5% OIL, 95% MUD  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

INITIAL BLOW -  
 WEAK SURFACE BLOW BUILDING TO 3/4"

FINAL BLOW -  
 1/8" BLOW BUILDING TO 3/4"

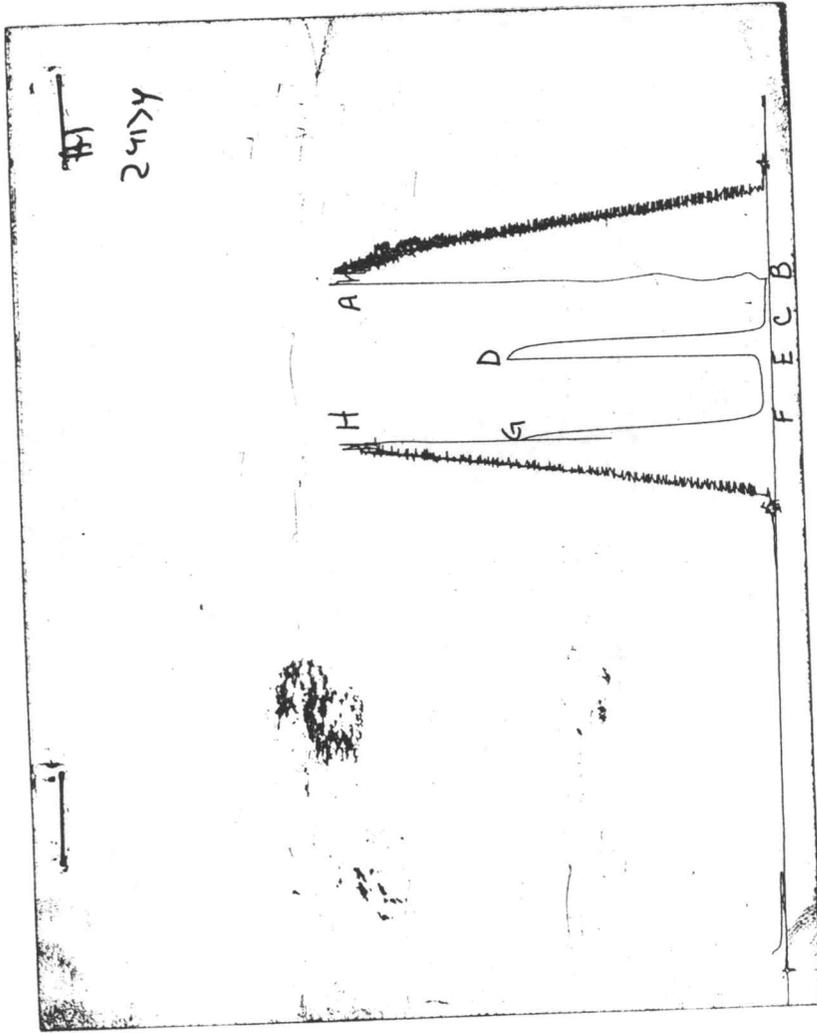
SAMPLES:  
 SENT TO:

MUD DATA-----

Mud Type	CHEMICAL
Weight	9.30 lb/
Vis.	50.00 S/L
W.L.	10.00 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	98.00 F
Hole Condition	GOOD
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 N
Cushion Type	NONE
Reversed Out N	
Tool Chased N	
Tester	PAUL SIMPSON
Co. Rep.	DAVE SHUMAKER
Contr.	VONFELDT
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



This is an actual photograph of recorder chart

# CALCULATED RECOVERY ANALYSIS - DRILL PIPE

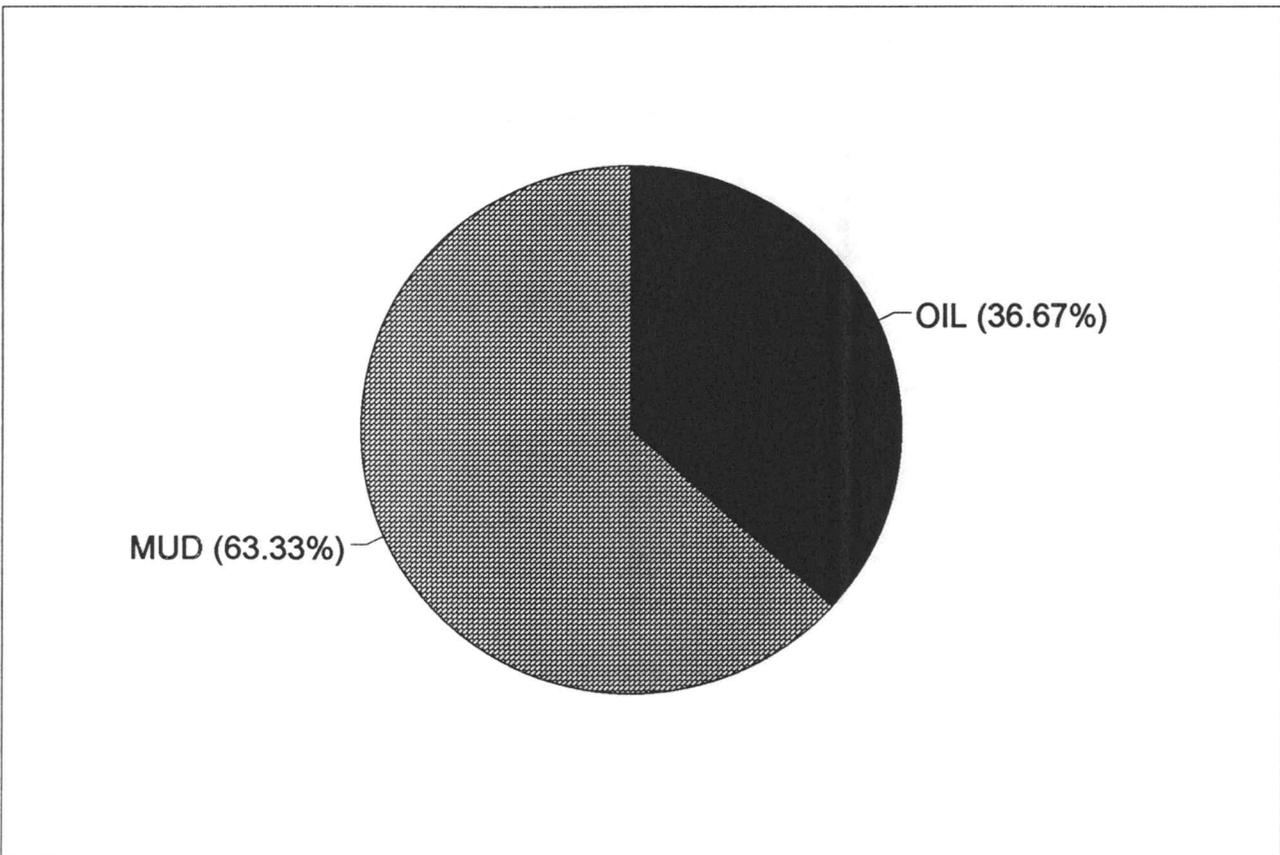
DST # 1

TICKET # 7918

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
1	5		0	100	5		0		0
2	10		0	5	0.5		0	95	9.5
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
6			0		0		0		0
<b>TOTAL</b>	<b>15</b>	<b>0.00</b>	<b>0</b>	<b>36.67</b>	<b>5.5</b>	<b>0</b>	<b>0</b>	<b>63.33</b>	<b>9.5</b>

### HRS OPE BBL/DAY

BBL OIL=	0.07821	*	1.00	1.88
BBL WATER=	0	*		0.00
BBL MUD=	0.13509			
BBL GAS	0			





TRILOBITE TESTING L.L.C.

OPERATOR : JASON OIL COMPANY

DATE 7-27-95

WELL NAME: CAMP #1

KB 1873.00 ft

TICKET NO: 7919

DST #2

LOCATION : 27-14S-15W, RUSSELL CTY

GR 1868.00 ft

FORMATION: GORHAM SAND

INTERVAL : 3277.00 To 3304.00 ft

TD 3340.00 ft

TEST TYPE: CONV. STRADDLE

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	AK-1	AK-1	ALPINE	AK-1		PF Fr. 15 to hr
SI 30 Range(Psi )	3925.0	3925.0	4995.0	3050.0	0.0	IS Fr. 30 to hr
SF 15 Clock(hrs)	22346	22346		23839		SF Fr. 15 to hr
FS 30 Depth(ft )	3300.0	3300.0	3279.0	3337.0	0.0	FS Fr. 30 to hr

	Field	1	2	3	4	
A. Init Hydro	1744.0	1717.0	1566.0	0.0	0.0	T STARTED 1810 hr
B. First Flow	220.0	215.0	173.0	0.0	0.0	T ON BOTM 1859 hr
Bl. Final Flow	431.0	448.0	457.0	0.0	0.0	T OPEN 1900 hr
C. In Shut-in	1070.0	1068.0	1076.0	0.0	0.0	T PULLED 2030 hr
D. Init Flow	556.0	551.0	535.0	0.0	0.0	T OUT 2145 hr
E. Final Flow	721.0	707.0	722.0	0.0	0.0	
F. Fl Shut-in	1070.0	1067.0	1076.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1645.0	1667.0	1636.0	0.0	0.0	Tool Wt. 2400.00 lbs
Inside/Outside	O	O	I	S		Wt Set On Packer 20000.00 lbs

RECOVERY

Tot Fluid 1610.00 ft of 0.00 ft in DC and 1610.00 ft in DP  
 1610.00 ft of GASSY MUDDY SALT WATER W/ VERY FEW OIL SPOTS  
 0.00 ft of  
 0.00 ft of

Unseated Str Wt 39000.00 lbs  
 Bot Choke 0.75 in  
 Hole Size 7.88 in  
 D Col. ID 0.00 in  
 D. Pipe ID 3.80 in  
 D.C. Length 0.00 ft  
 D.P. Length 3276.00 ft

RW .26 @ 86 F

SALINITY 24000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type CHEMICAL  
 Weight 9.30 lb/gal  
 Vis. 50.00 S/L  
 W.L. 10.00 in3  
 F.C. 0.00 in  
 Mud Drop

BLOW DESCRIPTION

INITIAL BLOW -  
 STRONG, BOTTOM OF BUCKET IN 1 MIN

INITIAL SHUTIN -  
 VERY WEAK SURFACE BLOW

FINAL BLOW -  
 STRONG, BOTTOM OF BUCKET IN 90 SEC

FINAL SHUTIN -  
 VERY WEAK SURFACE BLOW

Amt. of fill 0.00 ft  
 Btm. H. Temp. 108.00 F  
 Hole Condition GOOD  
 % Porosity 0.00  
 Packer Size 6.75 in  
 No. of Packers 2  
 Cushion Amt. 0.00 N  
 Cushion Type NONE  
 Reversed Out N  
 Tool Chased N  
 Tester PAUL SIMPSON  
 Co. Rep. DAVE SHUMAKER  
 Contr. VONFELDT  
 Rig # 1  
 Unit #  
 Pump T.

SAMPLES:  
 SENT TO:

Test Successful: Y

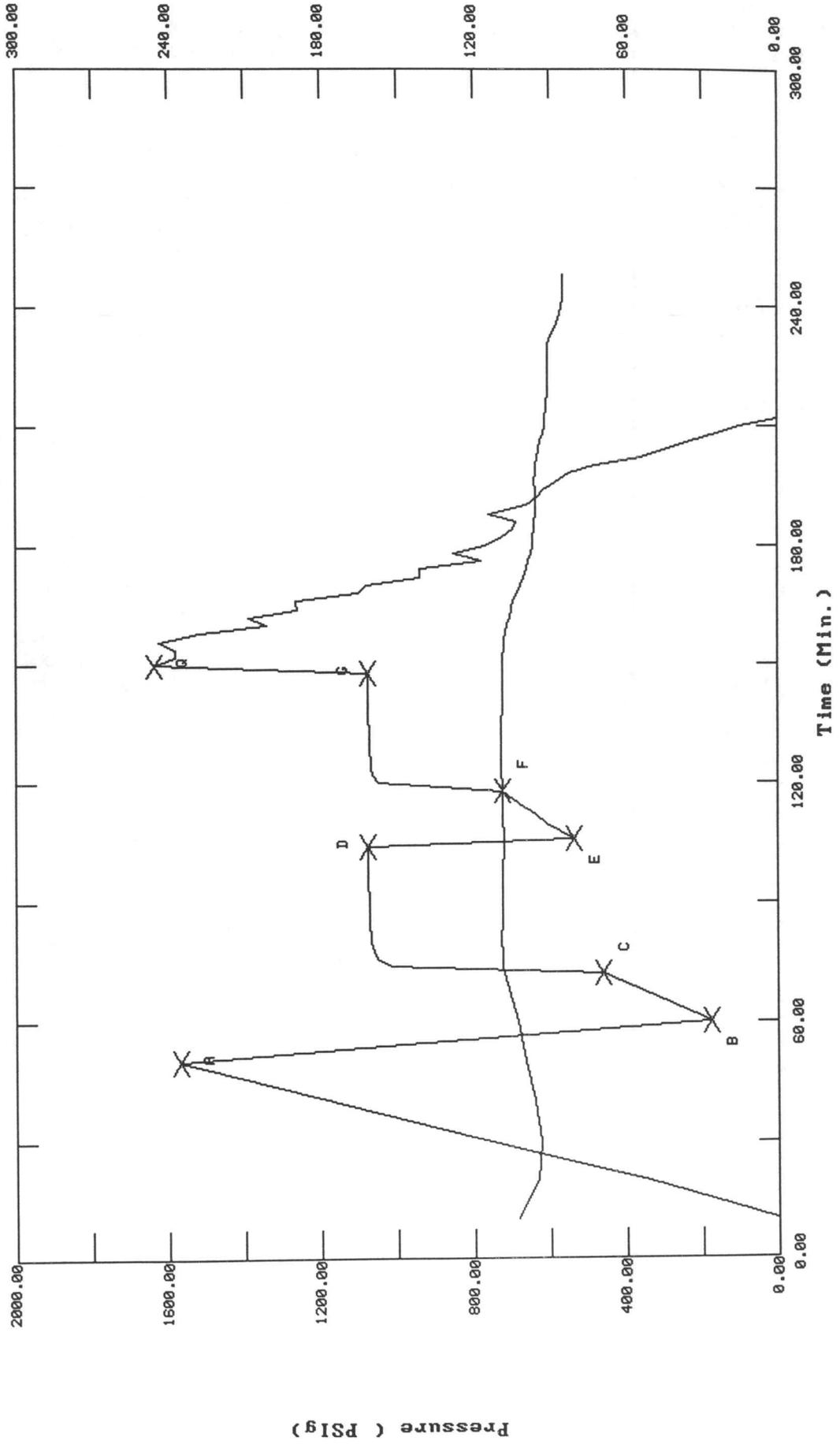
# TEST HISTORY

7919 Jason Oil Co Camp #1 DST #2

## Flag Points

t (Min.) P (PSig)

A: 0.00 1566.76  
 B: 0.00 173.22  
 C: 12.00 457.57  
 D: 32.00 1076.28  
 E: 0.00 534.86  
 F: 12.00 722.69  
 G: 30.00 1076.03  
 Q: 0.00 1636.33



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 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

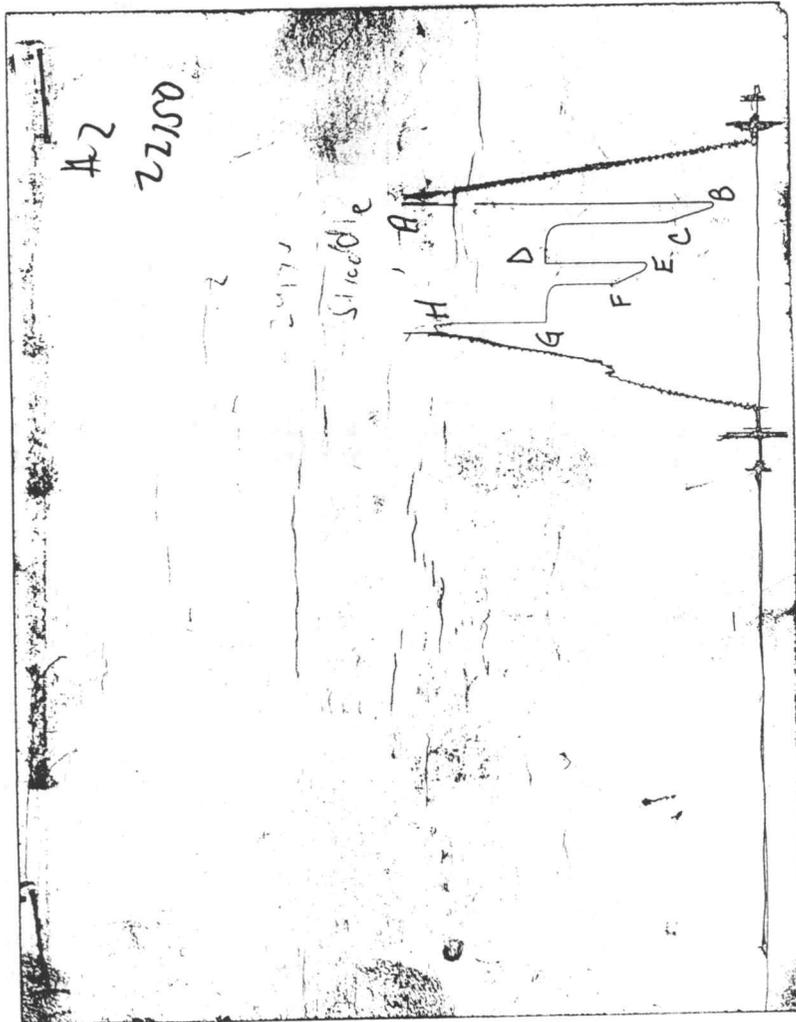
TEST: 7919 Jason Oil Co Camp #1 DST #2

DATE: 07/27/95

TIME: 18:00:06  
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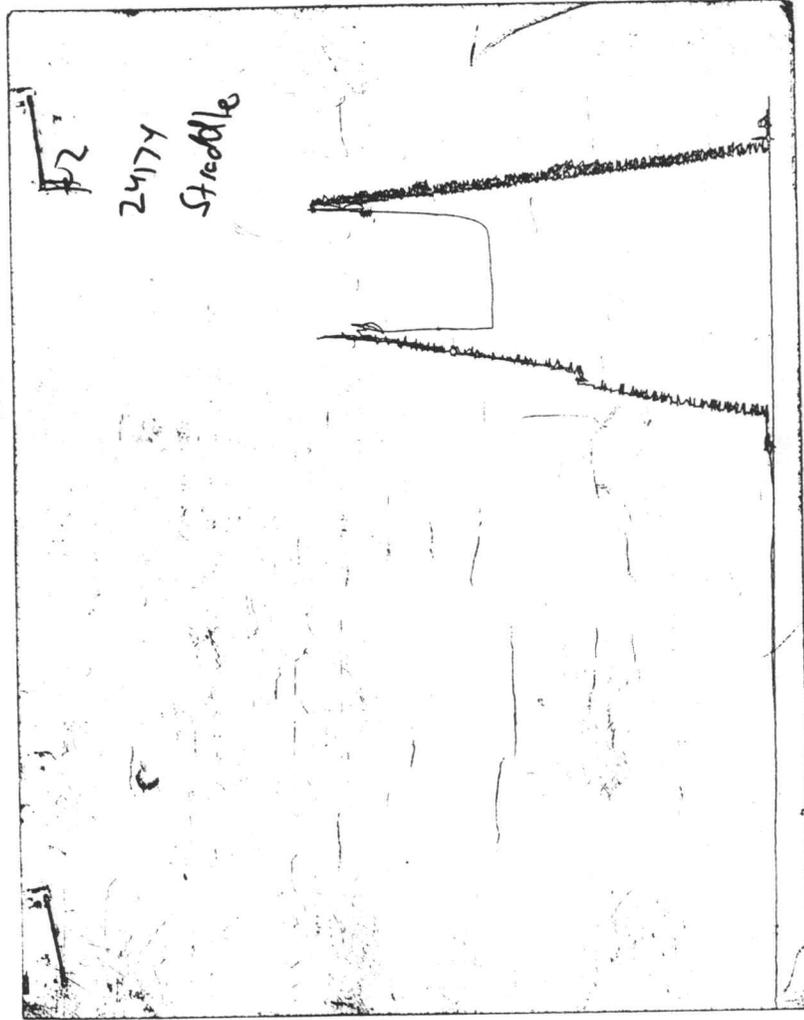
	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
***** Initial Hydro.	50.00	1566.8	0.0	99.32		
***** Start Flow 1	0.00	173.2	0.0	102.74		
***** End Flow 1	12.00	457.6	284.3	108.14		
***** Start Shutin 1	0.00	457.6	0.0	108.14	0.0000	0.209
	2.00	1015.6	558.0	108.32	7.0000	1.031
	4.00	1052.8	595.2	108.50	4.0000	1.108
	6.00	1061.8	604.2	108.68	3.0000	1.127
	8.00	1065.9	608.3	108.86	2.5000	1.136
	10.00	1068.4	610.8	108.86	2.2000	1.141
	12.00	1070.2	612.6	108.68	2.0000	1.145
	14.00	1071.4	613.8	108.68	1.8571	1.148
	16.00	1072.4	614.9	108.68	1.7500	1.150
	18.00	1073.3	615.7	108.50	1.6667	1.152
	20.00	1073.8	616.2	108.50	1.6000	1.153
	22.00	1074.5	617.0	108.50	1.5455	1.155
	24.00	1074.9	617.4	108.32	1.5000	1.155
	26.00	1075.4	617.9	108.32	1.4615	1.157
	28.00	1075.8	618.2	108.32	1.4286	1.157
	30.00	1076.1	618.5	108.14	1.4000	1.158
***** End Shut-in 1	32.00	1076.3	618.7	108.14	1.3750	1.158
***** Start Flow 2	0.00	534.9	0.0	108.14		
	2.00	571.3	36.4	108.14		
	4.00	606.0	71.1	108.32		
	6.00	636.8	102.0	108.50		
	8.00	666.8	131.9	108.68		
	10.00	694.9	160.1	108.68		
***** End Flow 2	12.00	722.7	187.8	108.68		
***** Start Shutin 2	0.00	722.7	0.0	108.68	0.0000	0.522
	2.00	1048.1	325.4	108.68	13.0000	1.098
	4.00	1062.4	339.7	108.86	7.0000	1.129
	6.00	1067.0	344.3	108.86	5.0000	1.138
	8.00	1069.3	346.6	108.86	4.0000	1.143
	10.00	1070.8	348.1	108.86	3.4000	1.147
	12.00	1071.8	349.1	108.86	3.0000	1.149
	14.00	1072.8	350.1	108.86	2.7143	1.151
	16.00	1073.5	350.8	108.86	2.5000	1.152
	18.00	1074.0	351.3	108.86	2.3333	1.154
	20.00	1074.4	351.7	108.68	2.2000	1.154
	22.00	1074.9	352.2	108.68	2.0909	1.155
	24.00	1075.2	352.5	108.68	2.0000	1.156
	26.00	1075.3	352.6	108.68	1.9231	1.156
	28.00	1075.5	352.8	108.68	1.8571	1.157
***** End Shut-in 2	30.00	1076.0	353.3	108.50	1.8000	1.158
***** Final Hydro.	150.00	1636.3	0.0	108.50		

CHART PAGE



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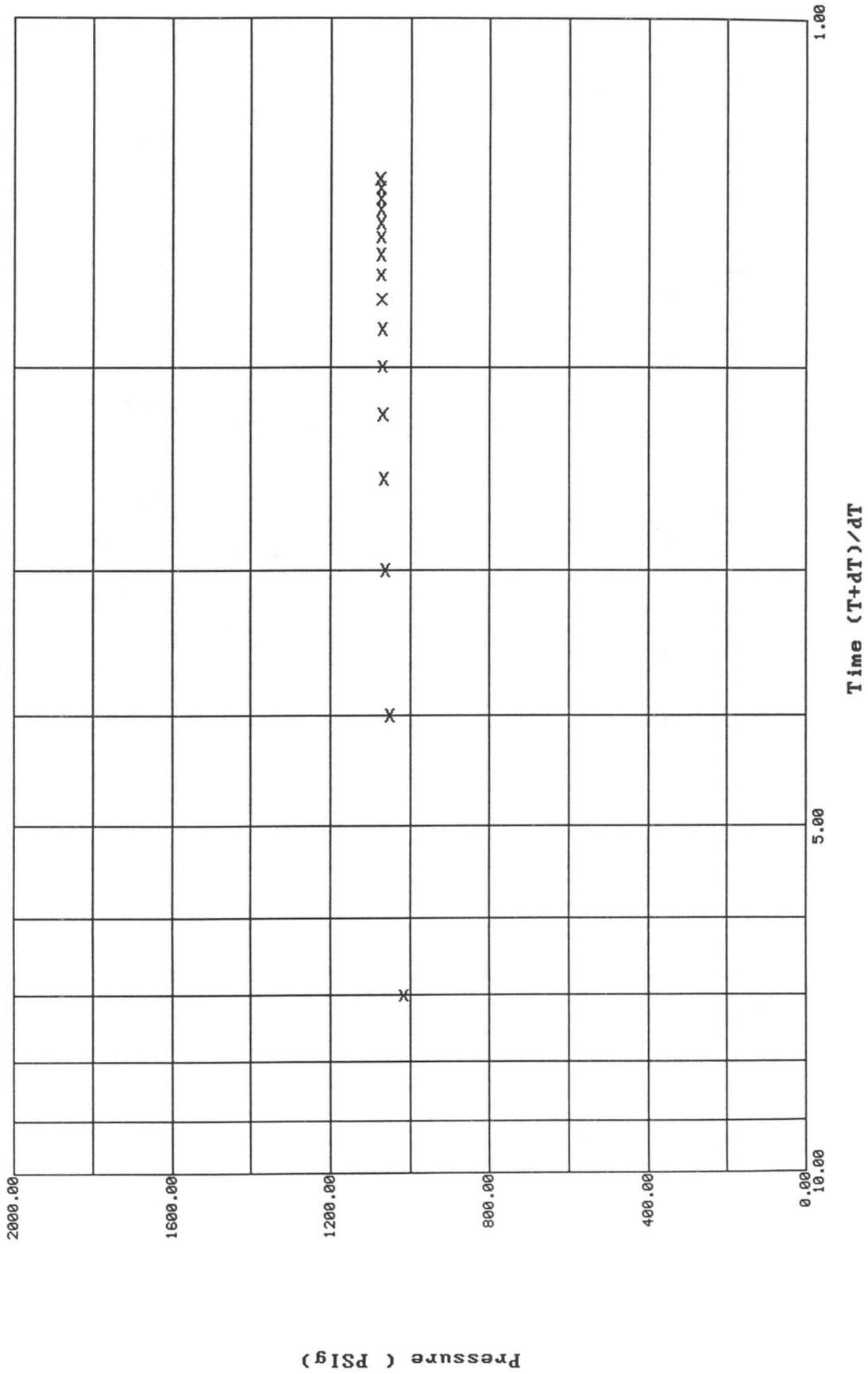
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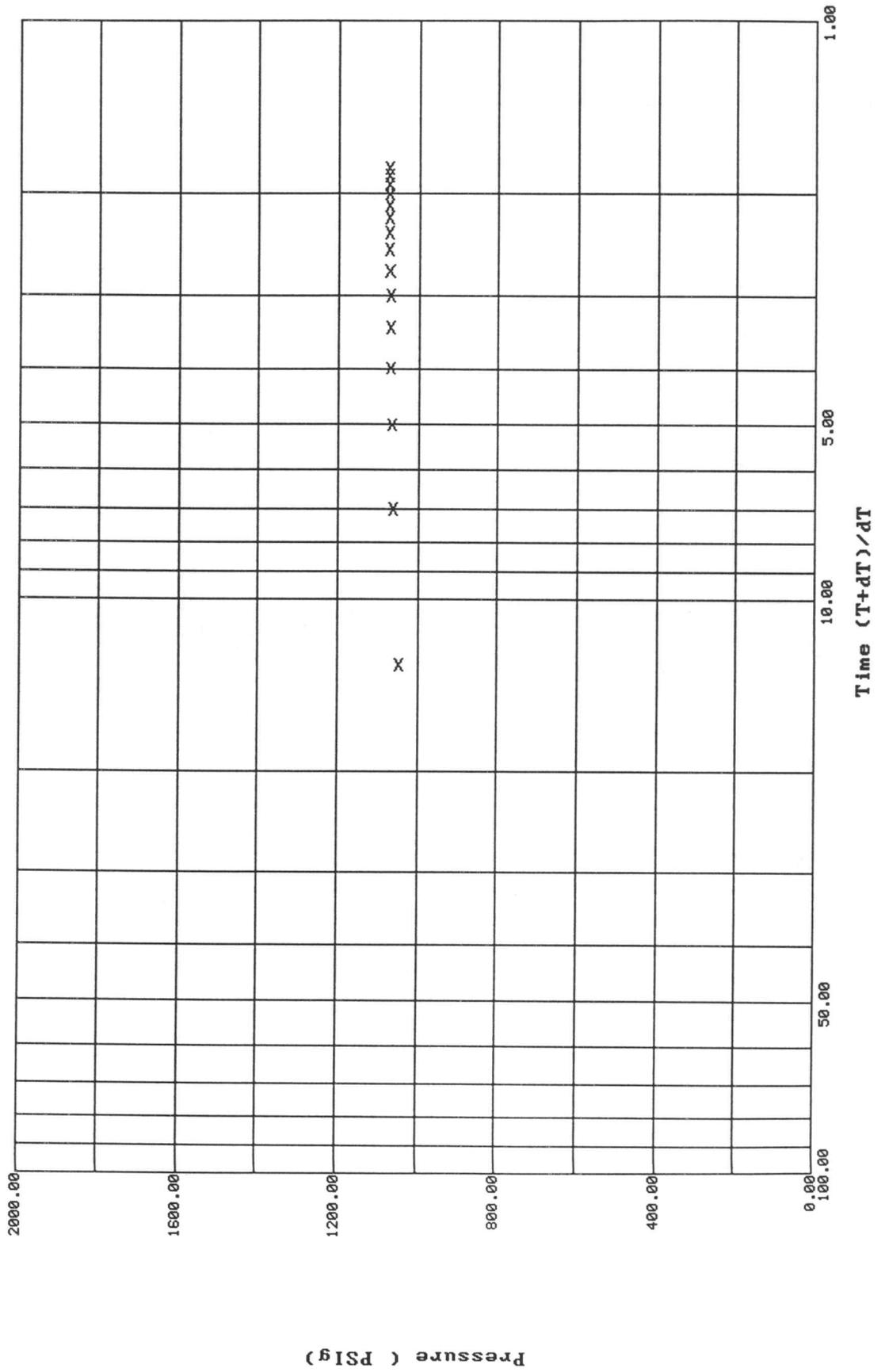
# Horner Plot: shut-in #1

7919 Jason Oil Co Camp #1 DST #2



# Horner Plot: shut-in #2

7919 Jason Oil Co Camp #1 DST #2



\*\*\* TOOL DIAGRAM \*\*\* CONV. STRADDLE

WELL NAME: CAMP #1

LOCATION : 27-14S-15W, RUSSELL CTY

TICKET No. 7919 D.S.T. No. 2 DATE 7-27-95

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 21

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 32

TOTAL TOOL ..... 53

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 31

TOTAL ASSEMBLY ..... 84

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands52 Single 1 Total 3276

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3359

TOTAL DEPTH ..... 3340

TOTAL DRILL PIPE ABOVE K.B. .... 19

REMARKS:

DROPPED BAR AND REVERSED RECOVERY

P.O. SUB	
C.O. SUB	3257
S.I. TOOL	3262
HMV HYDRAULIC TOOL	3267
JARS NA	
SAFETY JOINT NA	
PACKER TOP	3272
PACKER BTM.	3277
DEPTH 3277	
STUBB 3278	
ANCHOR	
ALPINE RECORDER	3279
26 FT.PERFS FROM	3278
AK-RECORDER	3300
T.C.	
DEPTH 3304	
PACKER STRADDLE PACKER	3304
1 JT DRILL PIPE	3337
BULLNOSE AK-1 RECORDER	3337
T.D. 3 FT.PERFORATED TO	3340