

TRILOBITE TESTING L.L.C.

OPERATOR : WOOLSEY PETROLEUM CORP

DATE 05/07/95

WELL NAME: SHIMANEK #1

KB 2380.00 ft

TICKET NO: 8102

DST #1

LOCATION : 28-19S-36W

GR 0.00 ft

FORMATION: CHASE

INTERVAL : 2666.00 To 2730.00 ft

TD 2730.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	11057	11057	11058			PF Fr. 30 to hr
SI 60	Range(Psi)	4500.0	4500.0	4500.0	0.0	0.0	IS Fr. to 1 hr
SF 30	Clock(hrs)	7452	7452	7452			SF Fr. 30 to hr
FS 90	Depth(ft)	2725.0	2725.0	2683.0	0.0	0.0	FS Fr. to 1.5 hr

	Field	1	2	3	4	
A. Init Hydro	1354.0	1345.0	0.0	0.0	0.0	T STARTED hr
B. First Flow	89.0	91.0	0.0	0.0	0.0	T ON BOTM hr
B1. Final Flow	89.0	91.0	0.0	0.0	0.0	T OPEN 0318 hr
C. In Shut-in	224.0	228.0	0.0	0.0	0.0	T PULLED 0648 hr
D. Init Flow	89.0	95.0	0.0	0.0	0.0	T OUT hr
E. Final Flow	84.0	90.0	0.0	0.0	0.0	
F. Fl Shut-in	213.0	215.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1309.0	1296.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 0.00 lbs
						Wt Pulled Loose 0.00 lbs
						Initial Str Wt 0.00 lbs
						Unseated Str Wt 0.00 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 0.00 ft

RECOVERY

Tot Fluid 70.00 ft of 0.00 ft in DC and 70.00 ft in DP
 70.00 ft of DRILLING MUD
 0.00 ft of
 0.00 ft of
 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 -
 SURFACE BLOW, BUILT TO 3", TOOL SLID
 20' TO BOTTOM

INITIAL SHUTIN -

NO RETURN BLOW

FINAL BLOW -

BUBBLE TO OPEN TOOL, NO BLOW

FINAL SHUTIN -

NO RETURN BLOW

SAMPLES:

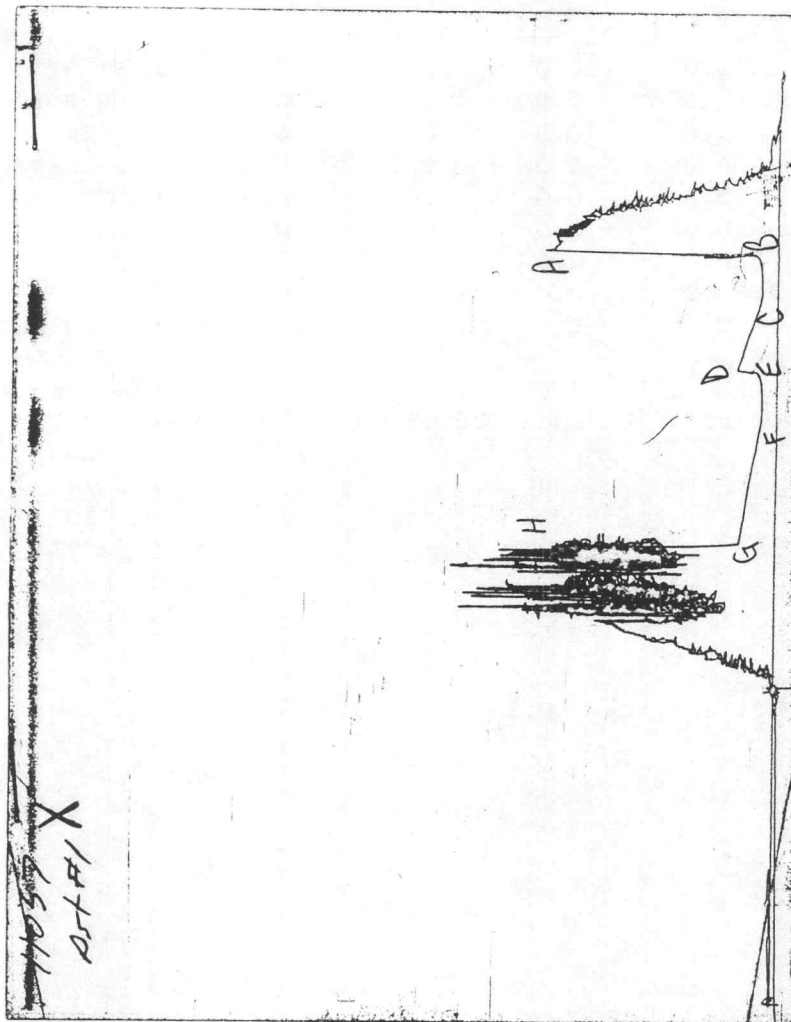
SENT TO:

MUD DATA-----

Mud Type	CHEMICAL
Weight	8.60 lb/c
Vis.	45.00 S/L
W.L.	12.20 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	85.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	SHANE MCBRIDE
Co. Rep.	MIKE MAUNE
Contr.	ABERCROMBIE
Rig #	4
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



This is an actual photograph of an AK1 recorder chart

TRILOBITE TESTING L.L.C.

OPERATOR : WOOLSEY PETROLEUM CORP
WELL NAME: SHIMANEK #1
LOCATION : 28-19S-36W
INTERVAL : 2739.00 To 2770.00 ft

DATE 05/07/95
KB 2380.00 ft TICKET NO: 8103 DST #2
GR 0.00 ft FORMATION: CHASE
TD 2770.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	11057	11057	11058			PF Fr. to 30 hr
SI 60	Range(Psi)	4500.0	4500.0	4500.0	0.0	0.0	IS Fr. to 1 hr
SF 30	Clock(hrs)	7452	7452	21048			SF Fr. 30 to hr
FS 90	Depth(ft)	2765.0	2765.0	2758.0	0.0	0.0	FS Fr. to 1.5 hr

	Field	1	2	3	4	
A. Init Hydro	1432.0	1379.0	0.0	0.0	0.0	T STARTED hr
B. First Flow	67.0	87.0	0.0	0.0	0.0	T ON BOTM hr
B1. Final Flow	56.0	86.0	0.0	0.0	0.0	T OPEN 1631 hr
C. In Shut-in	482.0	473.0	0.0	0.0	0.0	T PULLED 2001 hr
D. Init Flow	67.0	86.0	0.0	0.0	0.0	T OUT hr
E. Final Flow	56.0	91.0	0.0	0.0	0.0	
F. Fl Shut-in	403.0	405.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1365.0	1321.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 0.00 lbs
						Wt Pulled Loose 0.00 lbs
						Initial Str Wt 0.00 lbs
						Unseated Str Wt 0.00 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 0.00 ft

RECOVERY

Tot Fluid 25.00 ft of 0.00 ft in DC and 25.00 ft in DP
25.00 ft of MUD - 100% MUD
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of

SALINITY 17500.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

INITIAL BLOW -
SURFACE BLOW, BUILT TO 4", TOOL SLID
3' TO BOTTOM

INITIAL SHUTIN -
NO RETURN BLOW

FINAL BLOW -
SURFACE BUBBLE, BUILT TO 1 1/2"

FINAL SHUTIN -
NO RETURN BLOW

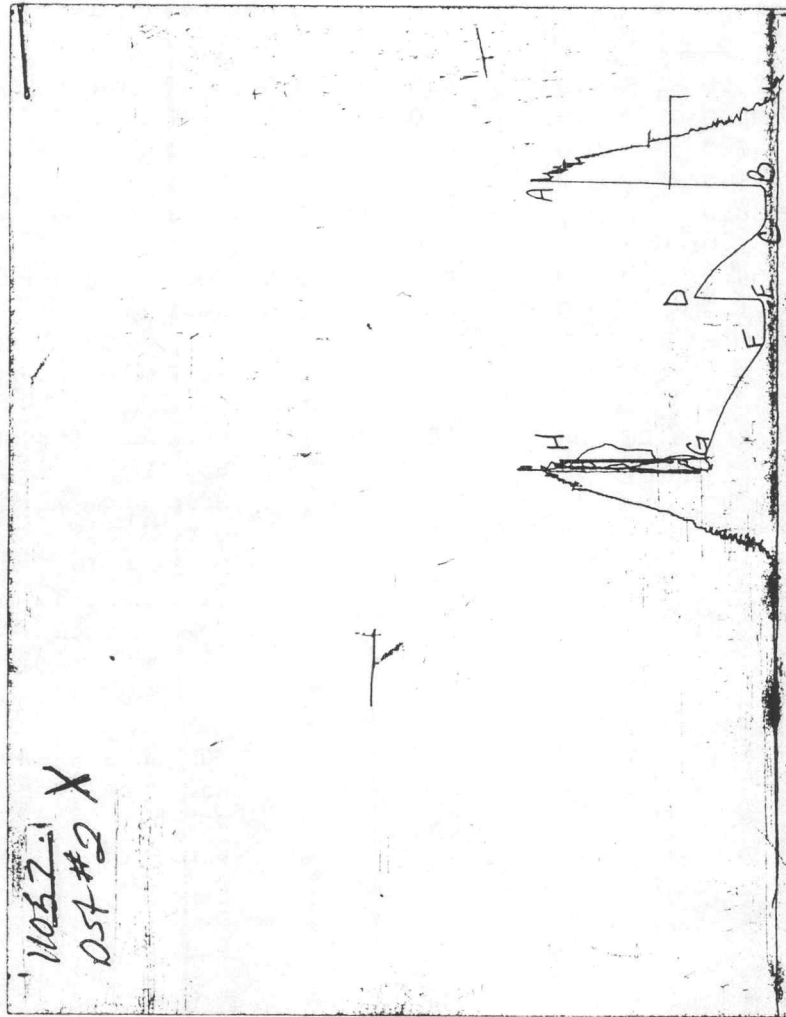
SAMPLES:
SENT TO:

MUD DATA-----
Mud Type CHEMICAL
Weight 8.90 lb/c
Vis. 42.00 S/L
W.L. 15.80 in3
F.C. 0.00 in
Mud Drop

Amt. of fill 0.00 ft
Btm. H. Temp. 91.00 F
Hole Condition
% Porosity 0.00
Packer Size 6.75 in
No. of Packers 2
Cushion Amt. 0.00
Cushion Type
Reversed Out
Tool Chased
Tester SHANE MCBRIDE
Co. Rep. MIKE MAUNE
Contr. ABERCROMBIE
Rig # 4
Unit #
Pump T.

Test Successful: Y

CHART PAGE



This is an actual photograph of an AK1 recorder chart

INITIAL SHUT-IN

SHIMANEK #1

DST # 2

INITIAL FLOW TIME 30

SLOPE

P*

PSI/CYCLE

PSI

<u>TIME(MIN)</u>	<u>Pws (psi)</u>	<u>Log</u> <u>Horn T</u>	<u><></u> <u>PRESSURE</u>	<u>Horn T</u>
3	86.3	1.041	86.3	11
6	95.3	0.778	9.0	6
9	103.1	0.637	7.8	4
12	117.7	0.544	14.6	4
15	145.7	0.477	28.0	3
18	172.6	0.426	26.9	3
21	196.2	0.385	23.5	2
24	228.7	0.352	32.5	2
27	254.5	0.325	25.8	2
30	283.6	0.301	29.1	2
33	308.3	0.281	24.7	2
36	336.3	0.263	28.0	2
39	363.2	0.248	26.9	2
42	386.8	0.234	23.5	2
45	409.2	0.222	22.4	2
48	419.3	0.211	10.1	2
51	437.2	0.201	17.9	2
54	451.8	0.192	14.6	2
57	460.7	0.184	9.0	2
60	473.0	0.176	12.3	2

FINAL SHUT-IN

SHIMANEK #1

DST # 2

TOTAL FLOW TIME 60

SLOPE

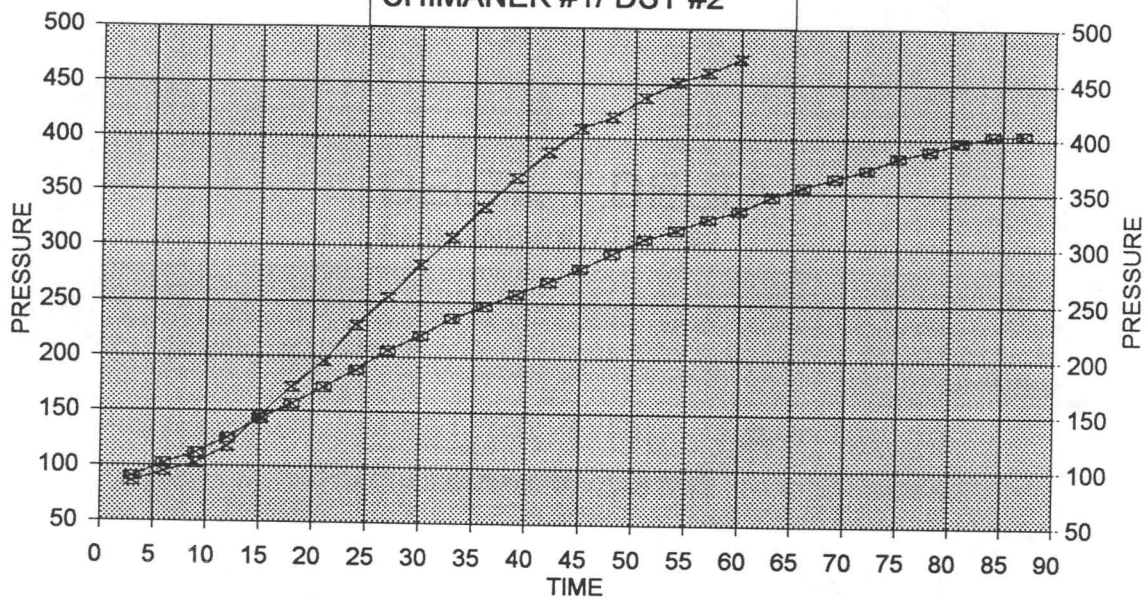
P*

PSI/CYCLE

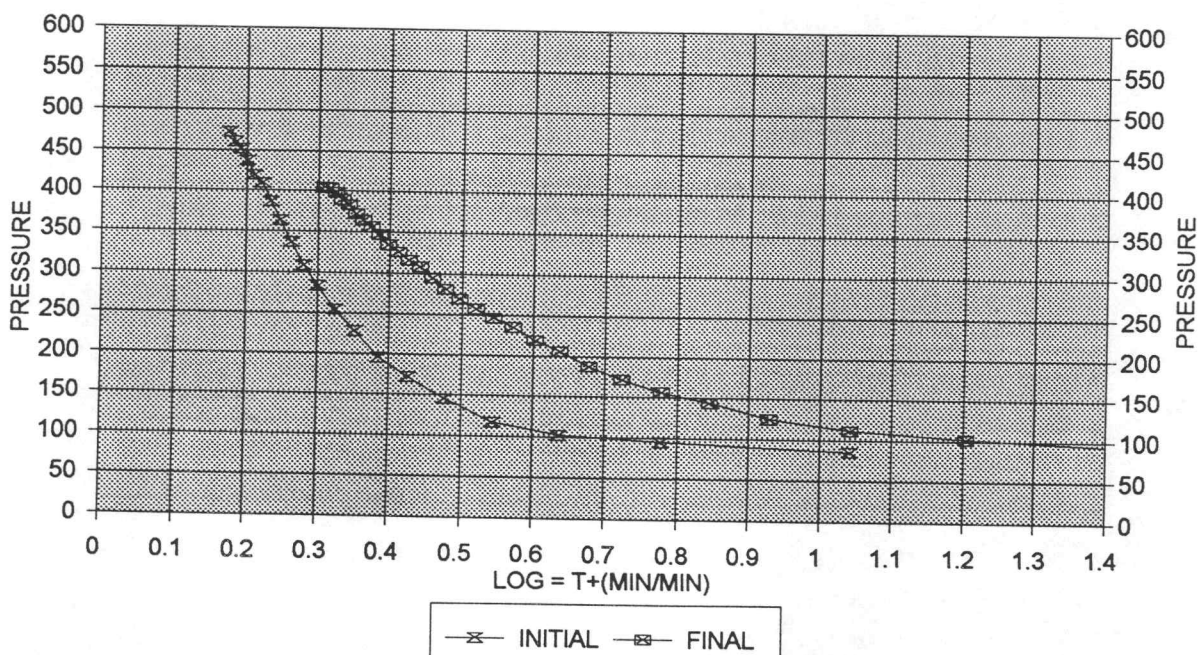
PSI

<u>TIME(MIN)</u>	<u>Pws (psi)</u>	Log <u>Horn T</u>	<> <u>PRESSURE</u>	<u>Horn T</u>
3	90.8	1.322	90.8	21
6	103.1	1.041	12.3	11
9	112.1	0.885	9.0	8
12	125.6	0.778	13.5	6
15	143.5	0.699	17.9	5
18	157.0	0.637	13.5	4
21	172.6	0.586	15.7	4
24	188.3	0.544	15.7	4
27	206.3	0.508	17.9	3
30	219.7	0.477	13.5	3
33	235.4	0.450	15.7	3
36	246.6	0.426	11.2	3
39	257.9	0.405	11.2	3
42	269.1	0.385	11.2	2
45	281.4	0.368	12.3	2
48	294.8	0.352	13.5	2
51	308.3	0.338	13.5	2
54	316.1	0.325	7.8	2
57	326.2	0.312	10.1	2
60	334.1	0.301	7.8	2
63	347.5	0.291	13.5	2
66	356.5	0.281	9.0	2
69	364.3	0.272	7.8	2
72	372.2	0.263	7.8	2
75	383.4	0.255	11.2	2
78	390.1	0.248	6.7	2
81	398.0	0.241	7.8	2
84	403.6	0.234	5.6	2
87	404.7	0.228	1.1	2

DELTA T DELTA SHIMANEK #1/ DST #2



HORNER PLOT



TRILOBITE TESTING L.L.C.

OPERATOR : WOOLSEY PETROLEUM CORP
WELL NAME: SHIMANEK #1
LOCATION : 28-19S-36W
INTERVAL : 2739.00 To 2820.00 ft

DATE 05/08/95
KB 2380.00 ft TICKET NO: 8104 DST #3
GR 0.00 ft FORMATION: CHASE
TD 2820.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	11057	11057	11058			PF Fr. 30 to hr
SI 60	Range(Psi)	4500.0	4500.0	4500.0	0.0	0.0	IS Fr. to 1 hr
SF 45	Clock(hrs)	7452	7452	21048			SF Fr. 45 to hr
FS 120	Depth(ft)	2817.0	2817.0	2740.0	0.0	0.0	FS Fr. to 2 hr

	Field	1	2	3	4	
A. Init Hydro	1376.0	1321.0	0.0	0.0	0.0	T STARTED hr
B. First Flow	112.0	95.0	0.0	0.0	0.0	T ON BOTM hr
Bl. Final Flow	112.0	98.0	0.0	0.0	0.0	T OPEN 0451 hr
C. In Shut-in	549.0	516.0	0.0	0.0	0.0	T PULLED 0906 hr
D. Init Flow	123.0	121.0	0.0	0.0	0.0	T OUT hr
E. Final Flow	123.0	121.0	0.0	0.0	0.0	
F. Fl Shut-in	560.0	528.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1343.0	1360.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 0.00 lbs
						Wt Pulled Loose 0.00 lbs
						Initial Str Wt 0.00 lbs
						Unseated Str Wt 0.00 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 0.00 ft

RECOVERY

Tot Fluid 135.00 ft of 0.00 ft in DC and 135.00 ft in DP
135.00 ft of SLIGHTLY GASSY HEAVY MUD - 2% GAS, 98% MUD
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of

SALINITY 20000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

INITIAL BLOW -
SURFACE BLOW, BUILT TO BOTTOM OF
BUCKET IN 16 MIN

INITIAL SHUTIN -
NO RETURN BLOW

FINAL BLOW -
SURFACE BLOW, BUILT TO BOTTOM OF
BUCKET IN 34 MIN

FINAL SHUTIN -
BLED OFF BLOW, RETURN BLOW IN 5 MIN,
1/8" DIED IN 18 MIN

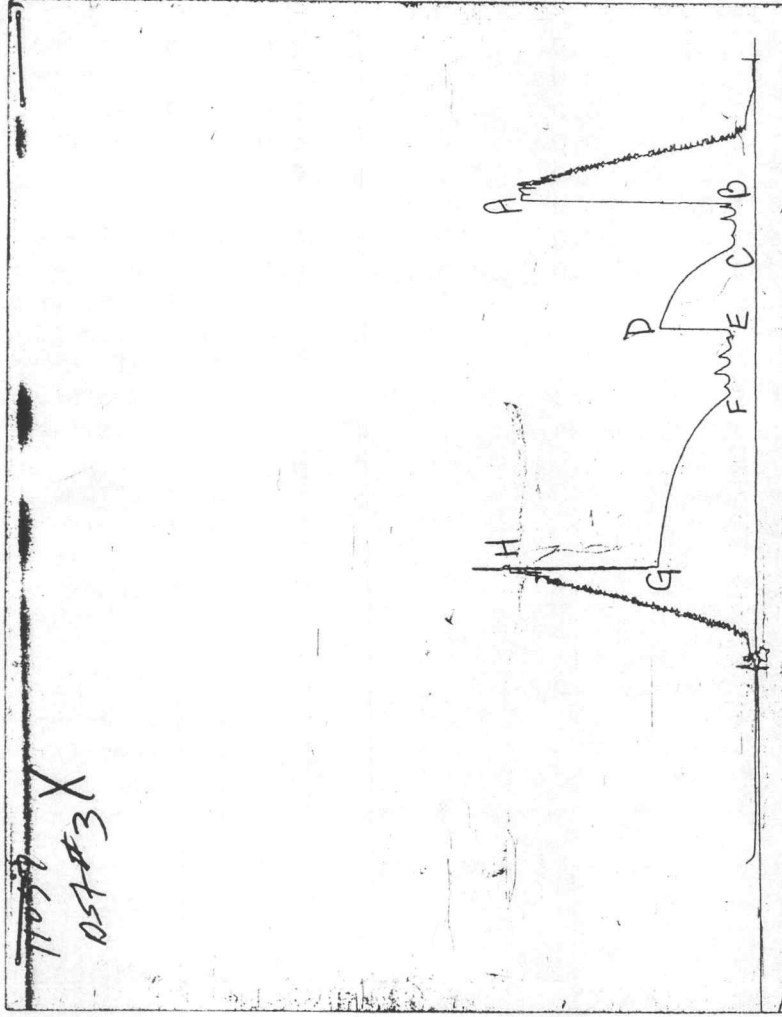
SAMPLES:
SENT TO:

MUD DATA-----
Mud Type CHEMICAL
Weight 8.90 lb/c
Vis. 39.00 S/L
W.L. 15.80 in3
F.C. 0.00 in
Mud Drop

Amt. of fill 0.00 ft
Btm. H. Temp. 93.00 F
Hole Condition
% Porosity 0.00
Packer Size 6.75 in
No. of Packers 2
Cushion Amt. 0.00
Cushion Type
Reversed Out
Tool Chased
Tester SHANE MCBRIDE
Co. Rep. MIKE MAUNE
Contr. ABERCROMBIE
Rig # 4
Unit #
Pump T.

Test Successful: Y

CHART PAGE



This is an actual photograph of an AK1 recorder chart

INITIAL SHUT-IN

SHIMANEK #1

DST # 3

INITIAL FLOW TIME 30

SLOPE

P*

PSI/CYCLE

PSI

<u>TIME(MIN)</u>	<u>Pws (psi)</u>	Log <u>Horn T</u>	<> <u>PRESSURE</u>	<u>Horn T</u>
3	97.5	1.041	97.5	11
6	105.4	0.778	7.8	6
9	128.9	0.637	23.5	4
12	169.3	0.544	40.4	4
15	205.2	0.477	35.9	3
18	244.4	0.426	39.2	3
21	275.8	0.385	31.4	2
24	310.5	0.352	34.8	2
27	339.7	0.325	29.1	2
30	362.1	0.301	22.4	2
33	384.5	0.281	22.4	2
36	403.6	0.263	19.1	2
39	419.3	0.248	15.7	2
42	436.1	0.234	16.8	2
45	447.3	0.222	11.2	2
48	455.1	0.211	7.8	2
51	461.9	0.201	6.7	2
54	477.5	0.192	15.7	2
57	485.3	0.184	7.8	2
60	495.4	0.176	10.1	2
63	503.2	0.169	7.8	1
66	515.5	0.163	12.3	1

FINAL SHUT-IN

SHIMANEK #1

DST # 3

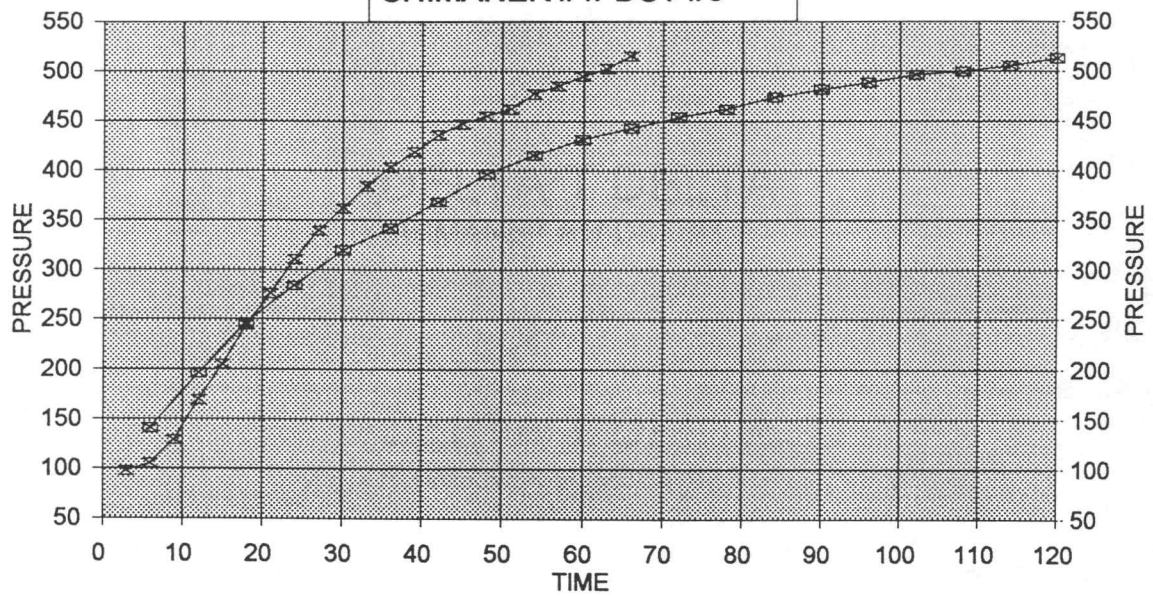
TOTAL FLOW TIME 75

SLOPE
P*PSI/CYCLE
PSI

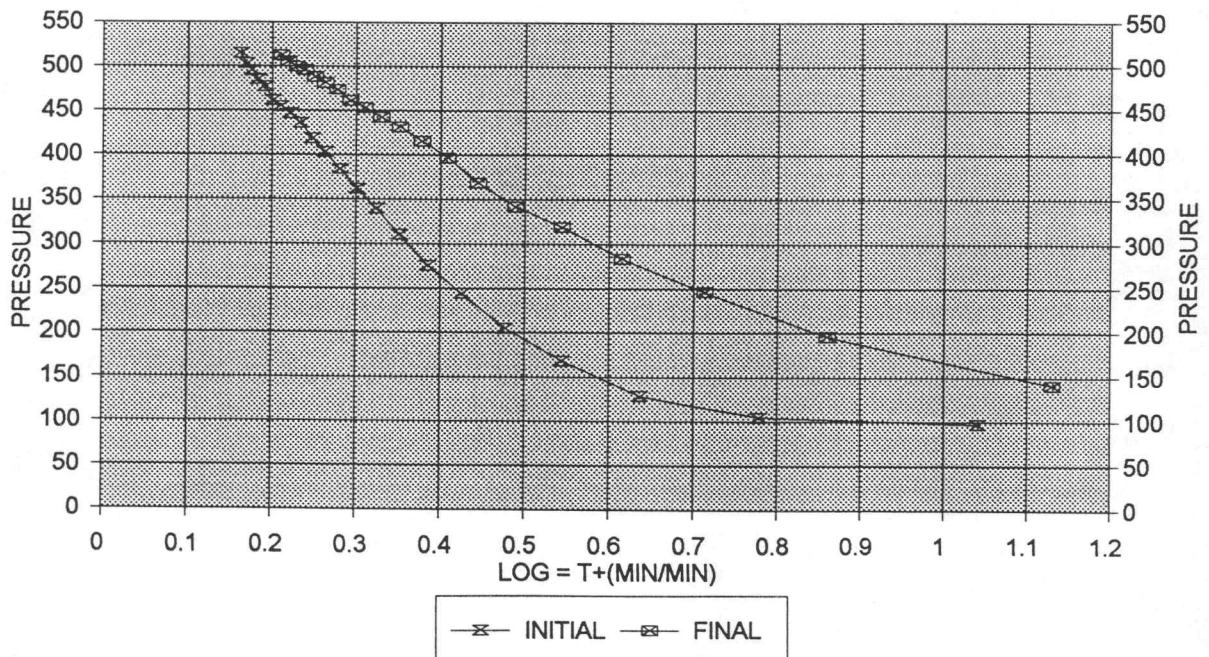
<u>TIME(MIN)</u>	<u>Pws (psi)</u>	Log <u>Horn T</u>	<> <u>PRESSURE</u>	<u>Horn T</u>
6	141.3	1.130	141.3	14
12	196.2	0.860	54.9	7
18	246.6	0.713	50.5	5
24	283.6	0.615	37.0	4
30	319.5	0.544	35.9	4
36	341.9	0.489	22.4	3
42	368.8	0.445	26.9	3
48	396.9	0.409	28.0	3
54	415.9	0.378	19.1	2
60	431.6	0.352	15.7	2
66	442.8	0.330	11.2	2
72	454.0	0.310	11.2	2
78	461.9	0.293	7.8	2
84	474.2	0.277	12.3	2
90	482.0	0.263	7.8	2
96	488.7	0.251	6.7	2
102	496.5	0.239	7.8	2
108	499.9	0.229	3.4	2
114	505.5	0.220	5.6	2
120	513.3	0.211	7.8	2

DELTA T DELTA

SHIMANEK #1/ DST #3



HORNER PLOT



TRILOBITE TESTING L.L.C.

OPERATOR : WOOLSEY PETROLEUM CORP
WELL NAME: SHIMANEK #1
LOCATION : 28-19S-36W
INTERVAL : 4330.00 To 4360.00 ft

DATE 05/11/95
KB 3276.00 ft TICKET NO: 8054 DST #4
GR 0.00 ft FORMATION: SWOPE
TD 4360.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13339	13339	13309			PF Fr. 30 to hr
SI 30 Range(Psi)	4700.0	4700.0	4025.0	0.0	0.0	IS Fr. 30 to hr
SF 30 Clock(hrs)	23832	23832	17640			SF Fr. 30 to hr
FS 30 Depth(ft)	4350.0	4350.0	4355.0	0.0	0.0	FS Fr. 30 to hr

	Field	1	2	3	4	
A. Init Hydro	2003.0	2018.0	0.0	0.0	0.0	T STARTED hr
B. First Flow	20.0	51.0	0.0	0.0	0.0	T ON BOTM hr
B1. Final Flow	20.0	51.0	0.0	0.0	0.0	T OPEN 0212 hr
C. In Shut-in	41.0	65.0	0.0	0.0	0.0	T PULLED 0412 hr
D. Init Flow	20.0	51.0	0.0	0.0	0.0	T OUT hr
E. Final Flow	20.0	51.0	0.0	0.0	0.0	
F. Fl Shut-in	20.0	51.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1982.0	2000.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	I	I	O			Wt Set On Packer 0.00 lbs
						Wt Pulled Loose 0.00 lbs
						Initial Str Wt 0.00 lbs
						Unseated Str Wt 0.00 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 0.00 ft

RECOVERY

Tot Fluid 2.00 ft of 0.00 ft in DC and 2.00 ft in DP
2.00 ft of DRILLING MUD
0.00 ft of FEW SPOTS OF OIL IN TOOL
0.00 ft of
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 -
GOOD SURGE AT OPEN, WEAK BLOW DIED IN
5 MIN

FINAL BLOW -
NO RETURN BLOW

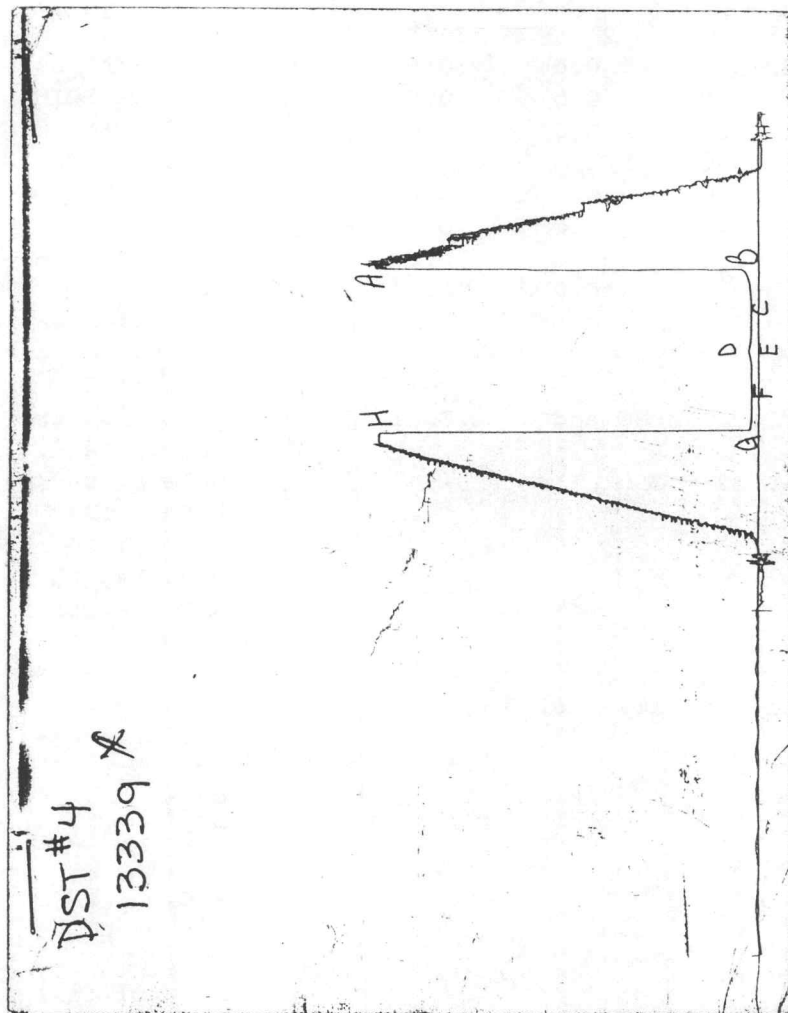
SAMPLES:
SENT TO:

MUD DATA-----
Mud Type CHEMICAL
Weight 8.80 lb/c
Vis. 48.00 S/L
W.L. 7.20 in3
F.C. 0.00 in
Mud Drop

Amt. of fill 0.00 ft
Btm. H. Temp. 123.00 F
Hole Condition
% Porosity 0.00
Packer Size 6.75 in
No. of Packers 2
Cushion Amt. 0.00
Cushion Type
Reversed Out
Tool Chased
Tester ROD STEINBRINK
Co. Rep. MIKE MAUNE
Contr. ABERCROMBIE
Rig # 4
Unit #
Pump T.

Test Successful: Y

CHART PAGE



This is an actual photograph of an AK1 recorder chart

TRILOBITE TESTING L.L.C.

OPERATOR : WOOLSEY PETROLEUM CORP
WELL NAME: SHIMANEK #1
LOCATION : 28-19S-36W
INTERVAL : 4514.00 To 4600.00 ft

DATE 05/12/95
KB 3276.00 ft TICKET NO: 8055 DST #5
GR 0.00 ft FORMATION: BEEMER/JOHNSON
TD 4600.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13339	13339	13309			PF Fr. 30 to hr
SI 30 Range(Psi)	4025.0	4025.0	4700.0	0.0	0.0	IS Fr. 30 to hr
SF 30 Clock(hrs)	17640	17640	23832			SF Fr. 30 to hr
FS 30 Depth(ft)	4595.0	4595.0	4530.0	0.0	0.0	FS Fr. 30 to hr

	Field	1	2	3	4	
A. Init Hydro	2173.0	2164.0	0.0	0.0	0.0	T STARTED hr
B. First Flow	41.0	78.0	0.0	0.0	0.0	T ON BOTM hr
B1. Final Flow	41.0	78.0	0.0	0.0	0.0	T OPEN 0420 hr
C. In Shut-in	384.0	426.0	0.0	0.0	0.0	T PULLED 0620 hr
D. Init Flow	41.0	78.0	0.0	0.0	0.0	T OUT hr
E. Final Flow	41.0	78.0	0.0	0.0	0.0	
F. Fl Shut-in	187.0	239.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2123.0	2123.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 0.00 lbs
						Wt Pulled Loose 0.00 lbs
						Initial Str Wt 0.00 lbs
						Unseated Str Wt 0.00 lbs
						Bot Choke 0.75 in
						Hole Size 6.88 in
						D Col. ID 0.00 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 0.00 ft

RECOVERY

Tot Fluid 5.00 ft of 0.00 ft in DC and 5.00 ft in DP
5.00 ft of DRILLING MUD
0.00 ft of
0.00 ft of
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 BLOW, DIED IN 3 MIN

FINAL BLOW -

NO RETURN BLOW

SAMPLES:

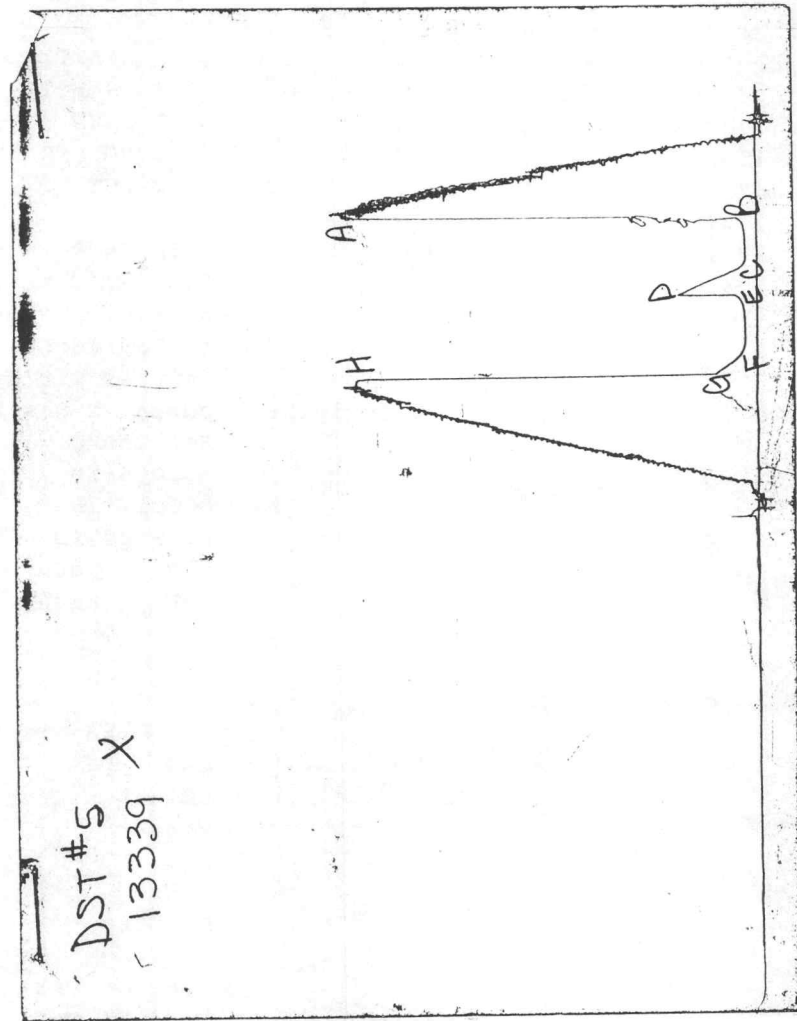
SENT TO:

MUD DATA-----
Mud Type CHEMICAL
Weight 8.80 lb/cf
Vis. 48.00 S/L
W.L. 7.80 in3
F.C. 0.00 in
Mud Drop

Amt. of fill 0.00 ft
Btm. H. Temp. 123.00 F
Hole Condition
% Porosity 0.00
Packer Size 6.75 in
No. of Packers 2
Cushion Amt. 0.00
Cushion Type
Reversed Out
Tool Chased
Tester ROD STEINBRINK
Co. Rep. MIKE MAUNE
Contr. ABERCROMBIE
Rig # 4
Unit #
Pump T.

Test Successful: Y

CHART PAGE



This is an actual photograph of an AK1 recorder chart

TRILOBITE TESTING L.L.C.

OPERATOR : WOOLSEY PETROLEUM CORP
WELL NAME: SHIMANEK #1
LOCATION : 28-19S-36W
INTERVAL : 4770.00 To 4821.00 ft

DATE 05/13/95
KB 3276.00 ft TICKET NO: 8056 DST #6
GR 0.00 ft FORMATION: UPPER MORROW
TD 4821.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13339	13339	13309			PF Fr. 30 to hr
SI 90 Range(Psi)	4025.0	4025.0	4700.0	0.0	0.0	IS Fr. to 1.5 hr
SF 30 Clock(hrs)	17640	17640	23832			SF Fr. 30 to hr
FS 120 Depth(ft)	4816.0	4816.0	4790.0	0.0	0.0	FS Fr. to 2 hr

	Field	1	2	3	4	
A. Init Hydro	2303.0	2334.0	0.0	0.0	0.0	T STARTED hr
B. First Flow	155.0	187.0	0.0	0.0	0.0	T ON BOTM hr
B1. Final Flow	519.0	535.0	0.0	0.0	0.0	T OPEN 0430 hr
C. In Shut-in	979.0	942.0	0.0	0.0	0.0	T PULLED 0900 hr
D. Init Flow	639.0	632.0	0.0	0.0	0.0	T OUT hr
E. Final Flow	769.0	753.0	0.0	0.0	0.0	
F. Fl Shut-in	939.0	901.0	0.0	0.0	0.0	
G. Final Hydro	2273.0	2207.0	0.0	0.0	0.0	
Inside/Outside	0	0	I			

RECOVERY

Tot Fluid 1675.00 ft of 0.00 ft in DC and 1675.00 ft in DP
300.00 ft of WATER CUT MUD - 40% WATER, 60% MUD
1375.00 ft of SALT WATER
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of

SALINITY 23000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

INITIAL BLOW -

FAIR TO STRONG BLOW OFF BOTTOM IN 3
MIN

INITIAL SHUTIN -

bled off BLOW, NO RETURN

FINAL BLOW -

FAIR TO STRONG BLOW OFF BOTTOM IN 4
MIN

FINAL SHUTIN -

bled off BLOW, NO RETURN

SAMPLES:

SENT TO:

TOOL DATA-----

Tool Wt.	0.00 lbs
Wt Set On Packer	0.00 lbs
Wt Pulled Loose	0.00 lbs
Initial Str Wt	0.00 lbs
Unseated Str Wt	0.00 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	0.00 ft

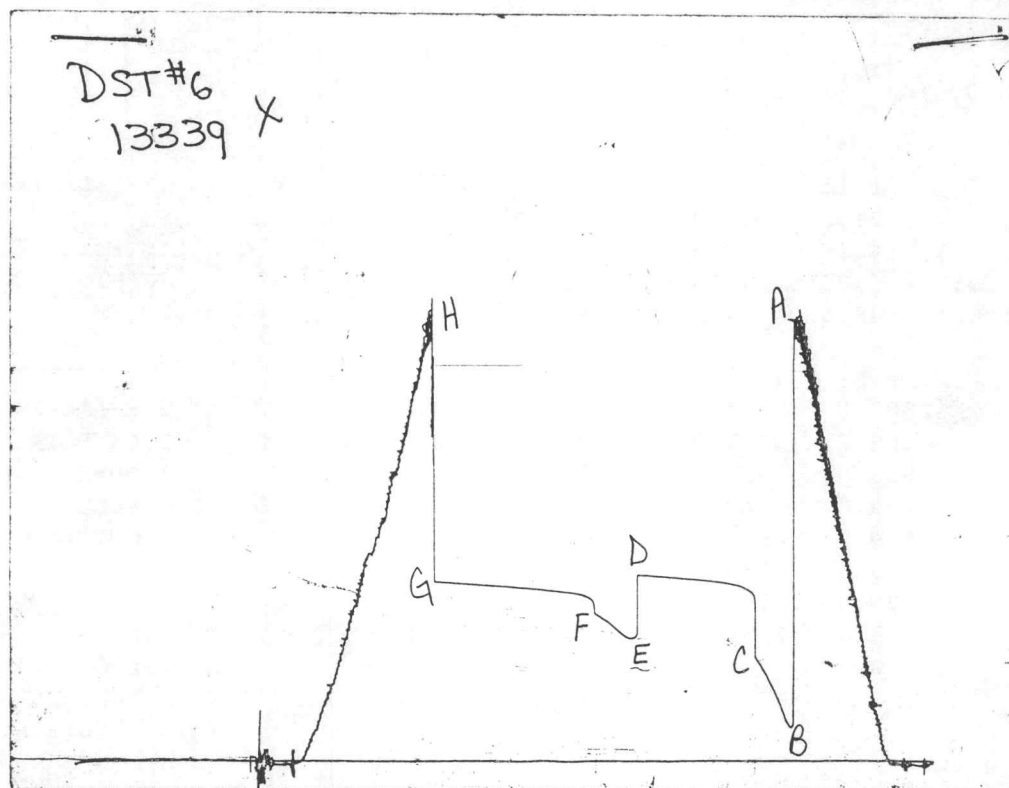
MUD DATA-----

Mud Type	CHEMICAL
Weight	8.80 lb/cf
Vis.	49.00 S/L
W.L.	7.60 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	134.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	ROD STEINBRINK
Co. Rep.	MIKE MAUNE
Contr.	ABERCROMBIE
Rig #	4
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



This is an actual photograph of an AK1 recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2303	2333.60
(B) FIRST INITIAL FLOW PRESSURE	155	187.10
(C) FIRST FINAL FLOW PRESSURE	519	535.10
(D) INITIAL CLOSED-IN PRESSURE	979	941.90
(E) SECOND INITIAL FLOW PRESSURE	639	632.30
(F) SECOND FINAL FLOW PRESSURE	769	752.50
(G) FINAL CLOSED-IN PRESSURE	939	900.80
(H) FINAL HYDROSTATIC MUD	2273	2206.70

INITIAL FLOW

DST # 6
RECORDER 13339

		<>
<u>TIME(MIN)</u>	<u>PRESSURE</u>	<u>PRESSURE</u>
0	187.1	187.1
3	205.8	18.7
6	249.5	43.7
9	301.5	52.0
12	345.2	43.7
15	392.9	47.8
18	428.2	35.3
21	465.4	37.2
24	503.5	38.2
27	535.1	31.6

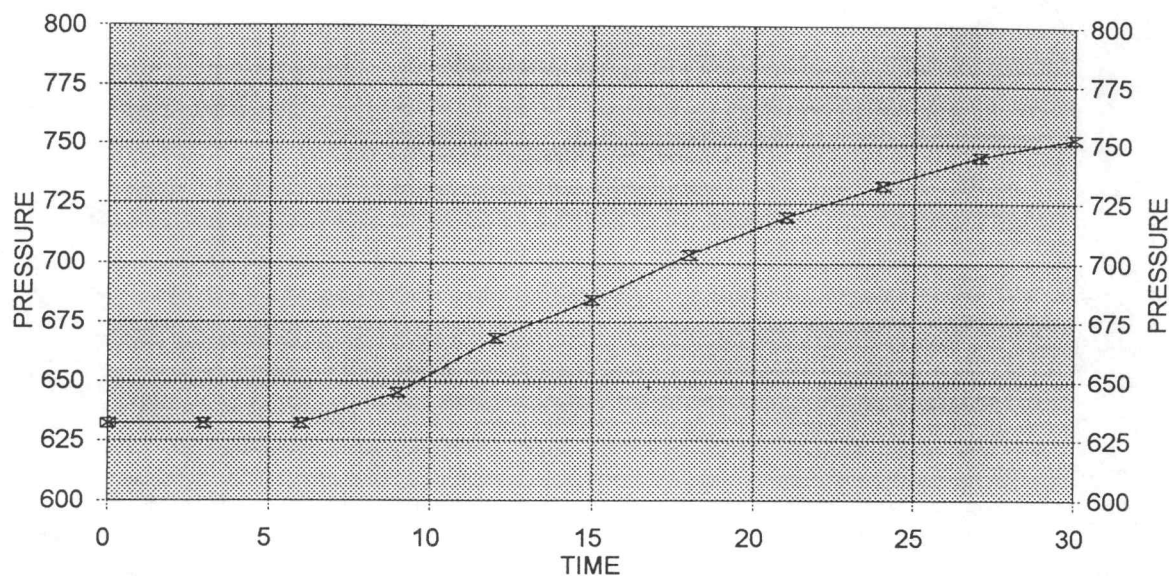
FINAL FLOW

DST # 6
RECORDER 13339

		<>
<u>TIME(MIN)</u>	<u>PRESSURE</u>	<u>PRESSURE</u>
0	632.3	632.3
3	632.3	0.0
6	632.3	0.0
9	645.3	13.1
12	668.4	0.0
15	684.4	3.8
18	703.4	0.0
21	719.4	4.8
24	732.5	13.1
27	744.5	12.0
30	752.5	8.0

DELTA T DELTA

FINAL FLOW / DST #6



INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE: 289.8362

INITIAL SHUT-IN

SHIMANEK #1

DST # 6

INITIAL FLOW TIME 30

SLOPE

224.8

PSI/CYCLE

P*

994.51

PSI

	<u>TIME(MIN)</u>	<u>Pws (psi)</u>	<u>Log Horn T</u>	<u><> PRESSURE</u>	<u>Horn T</u>
	3	870.8	1.041	870.8	11
	9	888.8	0.778	18.0	4
	15	898.8	0.637	10.0	3
	21	903.8	0.544	5.0	2
	27	907.8	0.477	4.0	2
	33	912.8	0.426	5.0	2
	39	917.8	0.385	5.0	2
	45	920.8	0.352	3.0	2
	51	924.8	0.325	4.0	2
Q	57	926.8	0.301	2.0	2
	63	933.9	0.281	7.0	1
	69	935.9	0.263	2.0	1
	75	937.9	0.248	2.0	1
X	81	941.9	0.234	4.0	1

FINAL SHUT-IN

SHIMANEK #1

DST # 6

TOTAL FLOW TIME 60

SLOPE

157.6

PSI/CYCLE

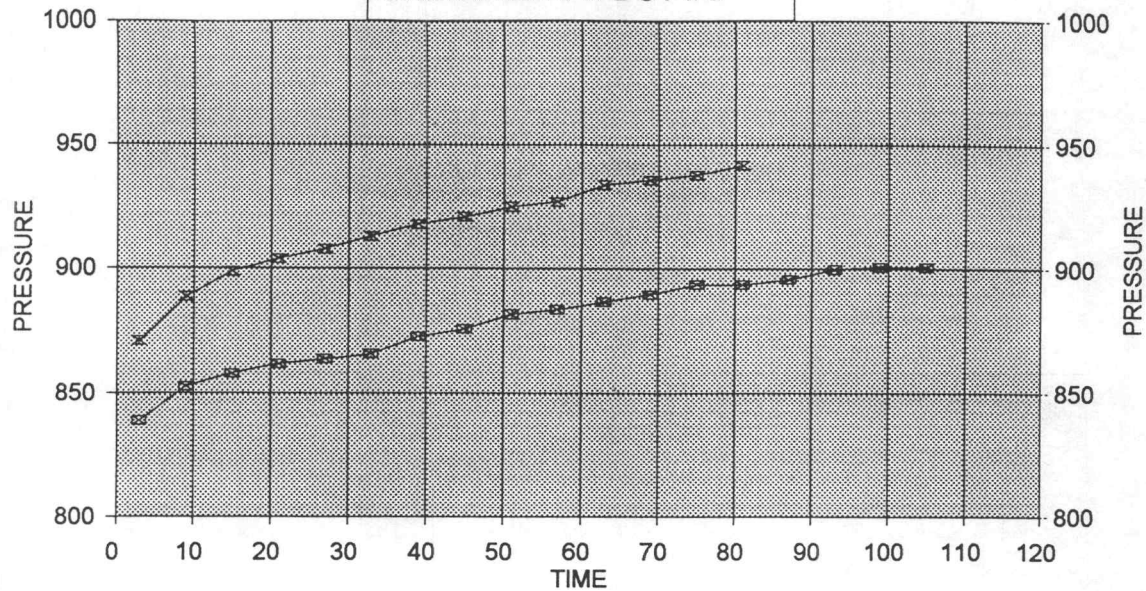
P*

931.74

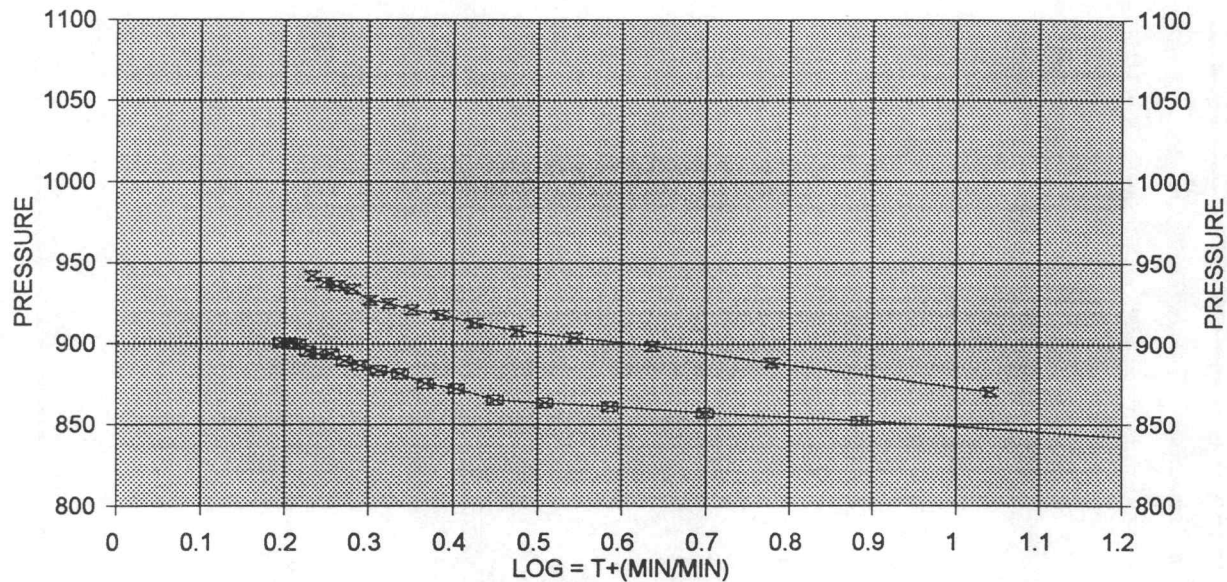
PSI

	<u>TIME(MIN)</u>	<u>Pws (psi)</u>	<u>Log Horn T</u>	<u><> PRESSURE</u>	<u>Horn T</u>
	3	838.7	1.322	838.7	21
	9	852.7	0.885	14.0	8
	15	857.7	0.699	5.0	5
	21	861.7	0.586	4.0	4
	27	863.7	0.508	2.0	3
	33	865.8	0.450	2.0	3
	39	872.8	0.405	7.0	3
	45	875.8	0.368	3.0	2
	51	881.8	0.338	6.0	2
	57	883.8	0.312	2.0	2
	63	886.8	0.291	3.0	2
	69	889.8	0.272	3.0	2
	75	893.8	0.255	4.0	2
Q	81	893.8	0.241	0.0	2
	87	895.8	0.228	2.0	2
	93	899.8	0.216	4.0	2
	99	900.8	0.206	1.0	2
X	105	900.8	0.196	0.0	2

DELTA T DELTA SHIMANEK #1/ DST #6



HORNER PLOT



—x— INITIAL —□— FINAL

TRILOBITE TESTING L.L.C.

OPERATOR : WOOLSEY PETROLEUM CORP
WELL NAME: SHIMANEK #1
LOCATION : 28-19S-36W
INTERVAL : 4938.00 To 5000.00 ft

DATE 05/14/95
KB 3276.00 ft
GR 0.00 ft
TD 5000.00 ft

TICKET NO: 8057 DST #7
FORMATION: MISSISSIPPIAN
TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13339	13339	13309			PF Fr. 30 to hr
SI 60 Range(Psi)	4025.0	4025.0	4700.0	0.0	0.0	IS Fr. to 1 hr
SF 30 Clock(hrs)	17640	17640	23832			SF Fr. 30 to hr
FS 120 Depth(ft)	4995.0	4995.0	4990.0	0.0	0.0	FS Fr. to 2 hr

	Field	1	2	3	4	
A. Init Hydro	2363.0	2334.0	0.0	0.0	0.0	T STARTED hr
B. First Flow	155.0	122.0	0.0	0.0	0.0	T ON BOTM hr
B1. Final Flow	363.0	366.0	0.0	0.0	0.0	T OPEN 0815 hr
C. In Shut-in	1110.0	1064.0	0.0	0.0	0.0	T PULLED 1215 hr
D. Init Flow	549.0	536.0	0.0	0.0	0.0	T OUT hr
E. Final Flow	629.0	618.0	0.0	0.0	0.0	
F. Fl Shut-in	1140.0	1098.0	0.0	0.0	0.0	
G. Final Hydro	2333.0	2304.0	0.0	0.0	0.0	
Inside/Outside	0	0	I			

TOOL DATA-----

Tool Wt.	0.00 lbs
Wt Set On Packer	0.00 lbs
Wt Pulled Loose	0.00 lbs
Initial Str Wt	0.00 lbs
Unseated Str Wt	0.00 lbs
Bot Choke	0.75 in
Hole Size	6.88 in
D Col. ID	0.00 in
D. Pipe ID	3.80 in
D.C. Length	0.00 ft
D.P. Length	0.00 ft

RECOVERY

Tot Fluid 1275.00 ft of 0.00 ft in DC and 1275.00 ft in DP
400.00 ft of WATER CUT MUD - 30% WATER, 70% MUD
875.00 ft of SALT WATER
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of

SALINITY 19000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

INITIAL BLOW -

SURFACE BLOW BUILT TO 6" IN 15 MIN
THEN DIED BACK TO 3" AT FINAL

INITIAL SHUTIN -

BLED OFF BLOW, NO RETURN

FINAL BLOW -

SURFACE TO FAIR BLOW, BUILT TO 6" IN
10 MIN THEN DIED BACK TO 3" AT FINAL

FINAL SHUTIN -

BLED OFF BLOW, NO RETURN

SAMPLES:

SENT TO:

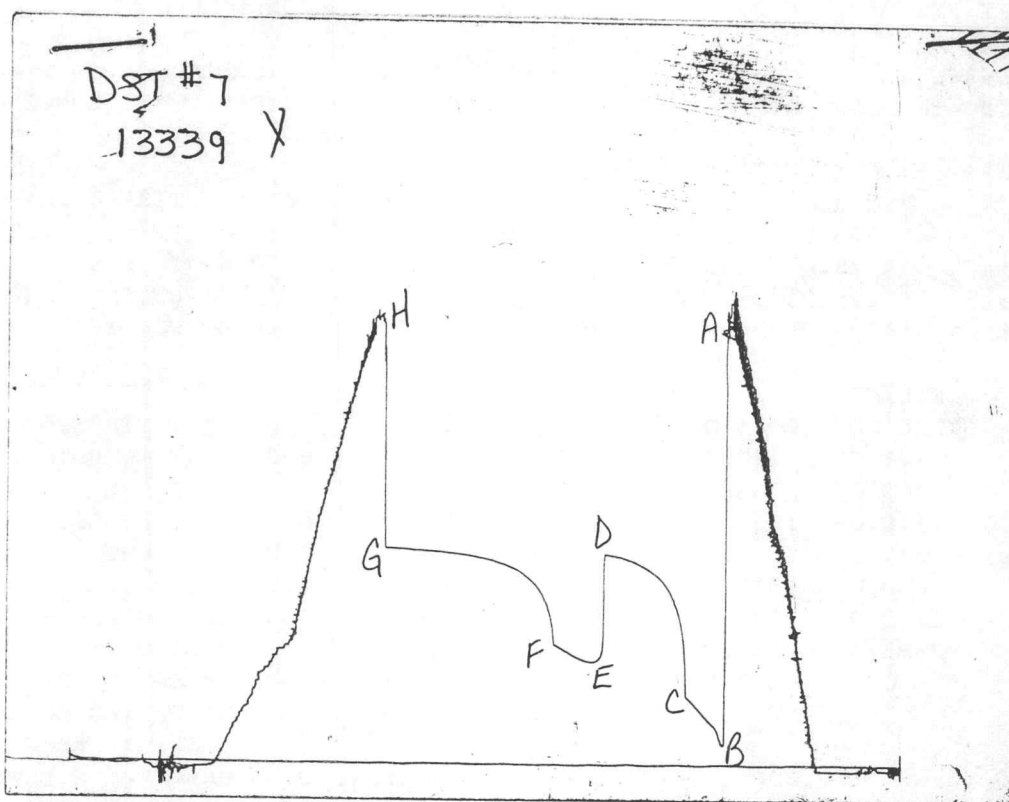
MUD DATA-----

Mud Type	CHEMICAL
Weight	8.80 lb/cf
Vis.	56.00 S/L
W.L.	7.90 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	132.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	ROD STEINBRINK
Co. Rep.	MIKE MAUNE
Contr.	ABERCROMBIE
Rig #	4
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



This is an actual photograph of an AK1 recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2363	2333.60
(B) FIRST INITIAL FLOW PRESSURE	155	121.70
(C) FIRST FINAL FLOW PRESSURE	363	365.90
(D) INITIAL CLOSED-IN PRESSURE	1110	1064.20
(E) SECOND INITIAL FLOW PRESSURE	549	536.10
(F) SECOND FINAL FLOW PRESSURE	629	618.20
(G) FINAL CLOSED-IN PRESSURE	1140	1098.30
(H) FINAL HYDROSTATIC MUD	2333	2303.70

INITIAL FLOW

DST # 7
RECORDER 13339

		<>
<u>TIME(MIN)</u>	<u>PRESSURE</u>	<u>PRESSURE</u>
0	121.7	121.7
3	158.0	36.3
6	204.8	46.8
9	231.8	27.0
12	251.6	19.8
15	271.3	19.8
18	296.3	25.0
21	321.3	25.0
24	346.2	24.9
27	365.9	19.7

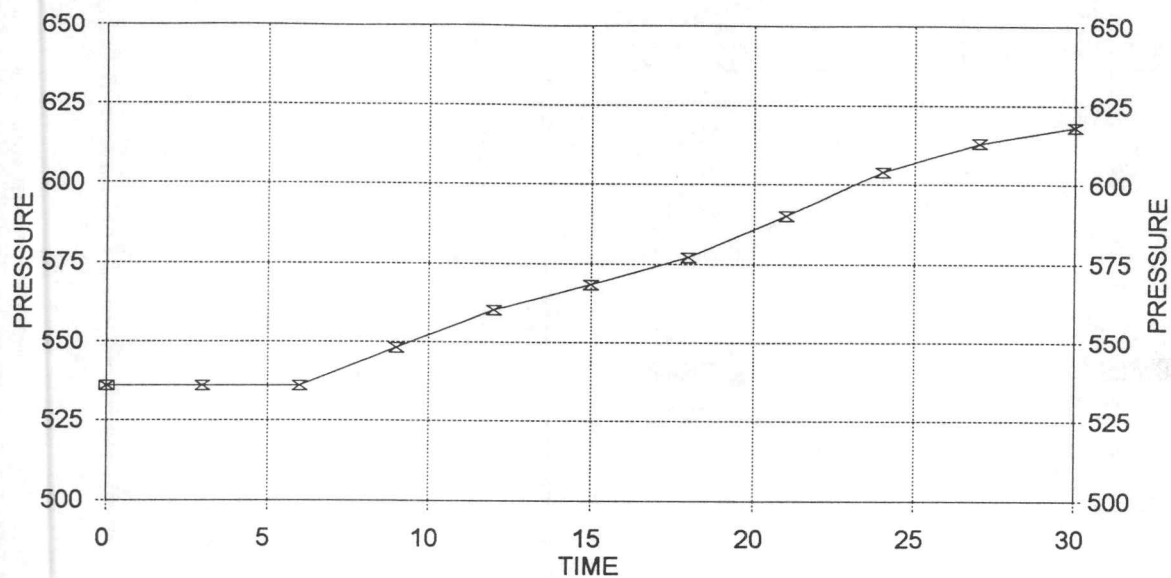
FINAL FLOW

DST # 7
RECORDER 13339

		<>
<u>TIME(MIN)</u>	<u>PRESSURE</u>	<u>PRESSURE</u>
0	536.1	536.1
3	536.1	0.0
6	536.1	0.0
9	548.2	12.1
12	560.2	0.0
15	568.2	3.8
18	577.3	0.0
21	590.3	4.8
24	604.2	14.0
27	613.2	9.0
30	618.2	5.0

DELTA T DELTA

FINAL FLOW / DST #7



INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE:

218.92

INITIAL SHUT-IN

SHIMANEK #1

DST # 7

INITIAL FLOW TIME 30

SLOPE
P*

571.7
1164.88

PSI/CYCLE
PSI

	<u>TIME(MIN)</u>	<u>Pws (psi)</u>	<u>Log Horn T</u>	<u><> PRESSURE</u>	<u>Horn T</u>
	3	636.3	1.041	636.3	11
	6	766.6	0.778	130.3	6
	9	817.6	0.637	51.0	4
	12	880.8	0.544	63.2	4
	15	908.8	0.477	28.0	3
	18	934.9	0.426	26.1	3
	21	960.9	0.385	26.1	2
	24	975.0	0.352	14.0	2
	27	993.0	0.325	18.0	2
	30	999.0	0.301	6.0	2
	33	1010.0	0.281	11.0	2
	36	1019.0	0.263	9.0	2
	39	1029.0	0.248	10.0	2
Q	42	1031.1	0.234	2.0	2
	45	1044.1	0.222	13.1	2
	48	1050.2	0.211	6.0	2
	51	1055.2	0.201	5.0	2
	54	1060.2	0.192	5.0	2
	57	1063.2	0.184	3.0	2
X	60	1064.2	0.176	1.0	2

FINAL SHUT-IN

SHIMANEK #1

DST # 7

TOTAL FLOW TIME 60

SLOPE

358.1

PSI/CYCLE

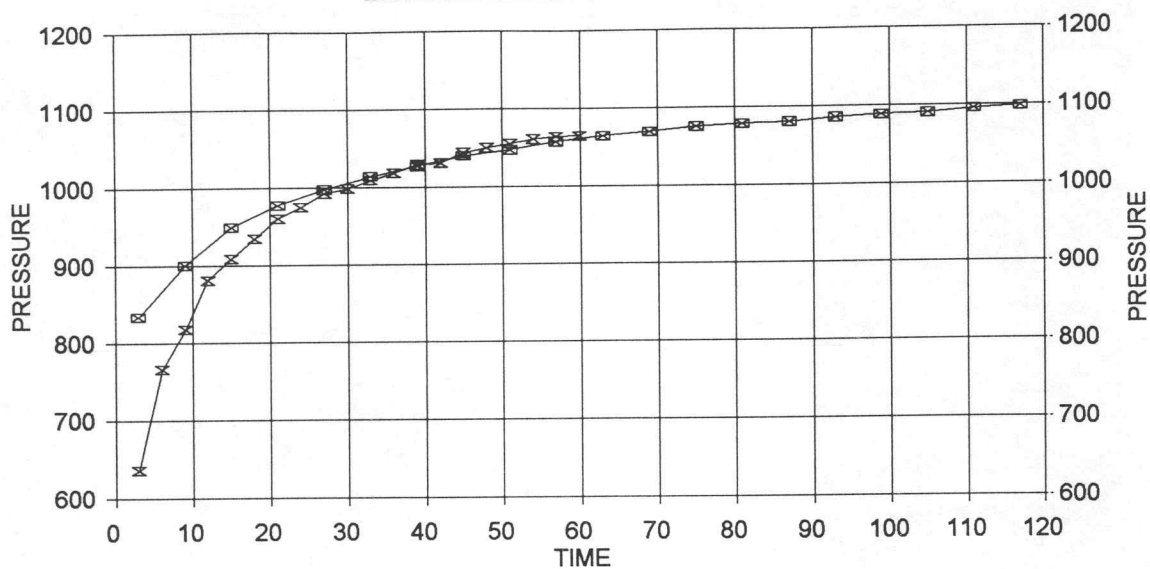
P*

1162.73

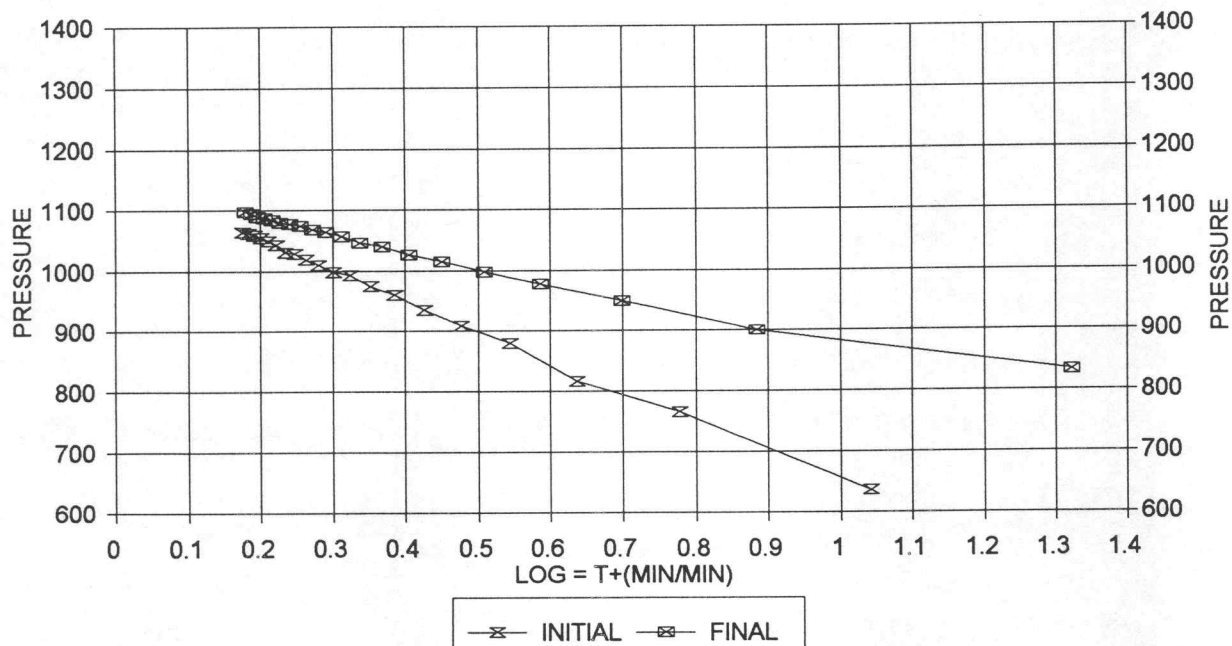
PSI

	<u>TIME(MIN)</u>	<u>Pws (psi)</u>	Log <u>Horn T</u>	<> <u>PRESSURE</u>	<u>Horn T</u>
	3	833.7	1.322	833.7	21
	9	900.8	0.885	67.1	8
	15	949.9	0.699	49.1	5
	21	978.0	0.586	28.1	4
	27	998.0	0.508	20.0	3
	33	1015.0	0.450	17.0	3
	39	1027.0	0.405	12.0	3
	45	1040.1	0.368	13.1	2
	51	1047.1	0.338	7.0	2
	57	1057.2	0.312	10.0	2
	63	1064.2	0.291	7.0	2
	69	1069.2	0.272	5.0	2
	75	1075.3	0.255	6.0	2
	81	1078.3	0.241	3.0	2
	87	1080.3	0.228	2.0	2
Q	93	1085.3	0.216	5.0	2
	99	1088.3	0.206	3.0	2
	105	1090.3	0.196	2.0	2
	111	1095.3	0.188	5.0	2
X	117	1098.3	0.180	3.0	2

DELTA T DELTA SHIMANEK #1/ DST #7



HORNER PLOT



TRILOBITE TESTING L.L.C.

OPERATOR : WOOLSEY PETROLEUM CORP
WELL NAME: Shimanek #1
LOCATION : 28-19S-36W
INTERVAL : 4990.00 To 5040.00 ft

DATE 05/15/95
KB 3267.00 ft TICKET NO: 8058 DST #8
GR 3262.00 ft FORMATION: Mississippian
TD 5040.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	13339	13339	2341			PF Fr. 15 to hr
SI 60 Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. to 1 hr
SF 30 Clock(hrs)	17640	17640				SF Fr. 30 to hr
FS 120 Depth(ft)	5035.0	5035.0	4996.0	0.0	0.0	FS Fr. to 2 hr

	Field	1	2	3	4	
A. Init Hydro	2463.0	2483.0	2475.0	0.0	0.0	T STARTED 1:30 hr
B. First Flow	187.0	194.0	126.0	0.0	0.0	T ON BOTM 3:50 hr
Bl. Final Flow	332.0	359.0	391.0	0.0	0.0	T OPEN 3:52 hr
C. In Shut-in	1180.0	1188.0	1191.0	0.0	0.0	T PULLED 7:37 hr
D. Init Flow	499.0	502.0	435.0	0.0	0.0	T OUT hr
E. Final Flow	679.0	705.0	731.0	0.0	0.0	
F. Fl Shut-in	1180.0	1192.0	1192.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2453.0	2429.0	2342.0	0.0	0.0	Tool Wt. 2000.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 0.00 lbs
						Initial Str Wt 54000.00 lbs
						Unseated Str Wt 0.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 0.00 in
						D. Pipe ID 3.70 in
						D.C. Length 0.00 ft
						D.P. Length 0.00 ft
						H.W. I.D 2.70 in
						H.W. Length 319.00 ft

RECOVERY

Tot Fluid 1550.00 ft of 0.00 ft in DC and 1550.00 ft in DP
120.00 ft of MUD CUT WATER - 70% WATER, 30% MUD
1430.00 ft of SALT WATER
0.00 ft of
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 -

FAIR TO STRONG BLOW OFF BOTTOM IN
3.5 MIN

INITIAL SHUTIN -

BLED OFF BLOW, NO RETURN

FINAL BLOW -

FAIR TO STRONG RETURN OFF BOTTOM IN
3.5 MIN

FINAL SHUTIN -

BLED OFF BLOW, NO RETURN

SAMPLES: Given to Geo.

SENT TO:Mike Maune

MUD DATA-----

Mud Type	Chemical
Weight	8.90 lb/cf
Vis.	55.00 S/L
W.L.	7.00 in3
F.C.	0.00 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	0.00 F
Hole Condition	Good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased N	
Tester	Rod Steinbrink
Co. Rep.	Mike Maune
Contr.	Abercrombie
Rig #	#4
Unit #	
Pump T.	

Test Successful:

TEST HISTORY

Woolsey Pet. Corp. Shimanek #1 DST #8

Flag Points

t (Min.) P (PSig)

A: 0.00 2475.02
 B: 0.00 126.30
 C: 14.00 391.35
 D: 60.00 1190.76
 E: 0.00 434.91
 F: 28.00 731.09
 G: 120.00 1192.10
 Q: 0.00 2341.66

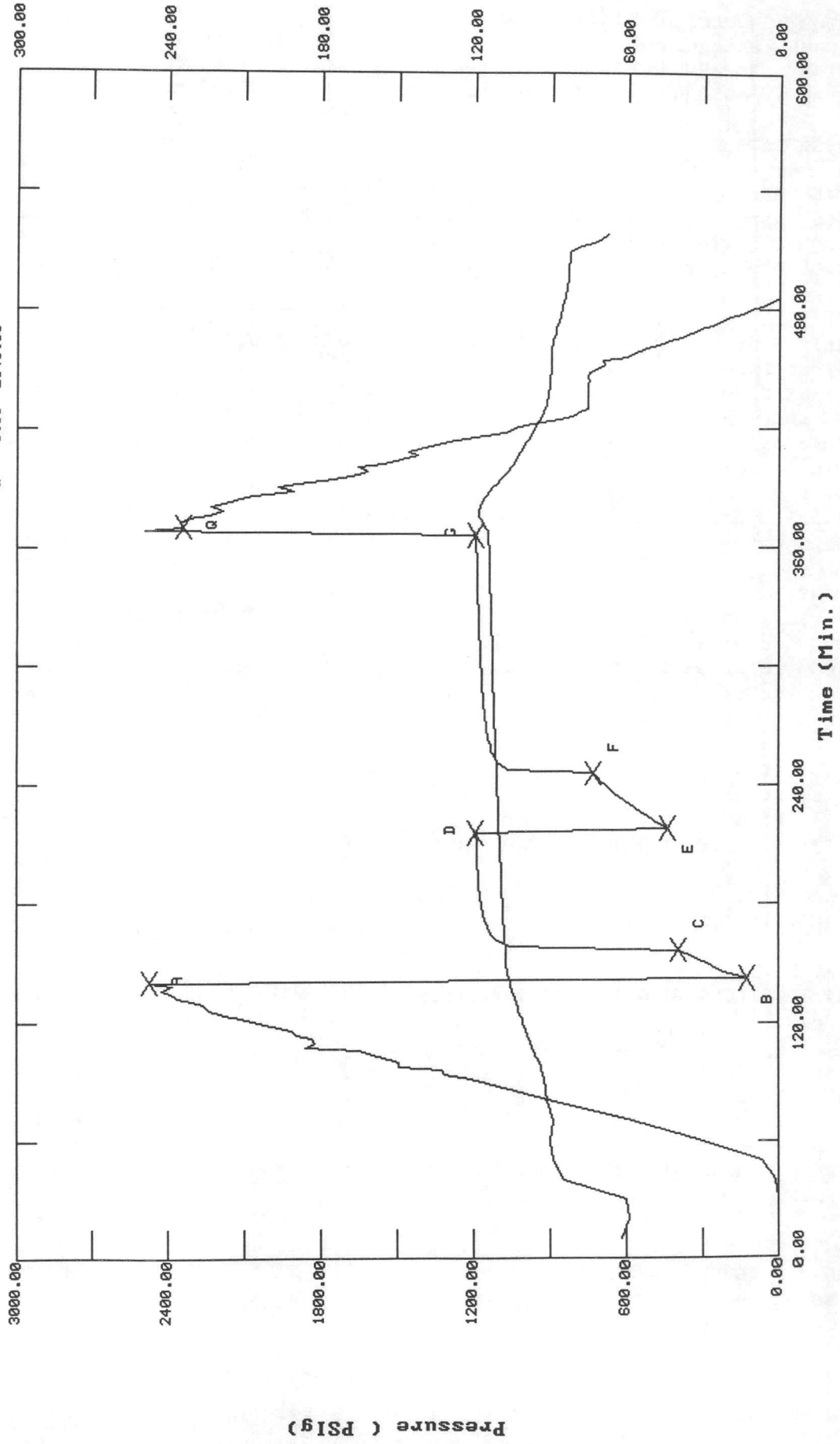
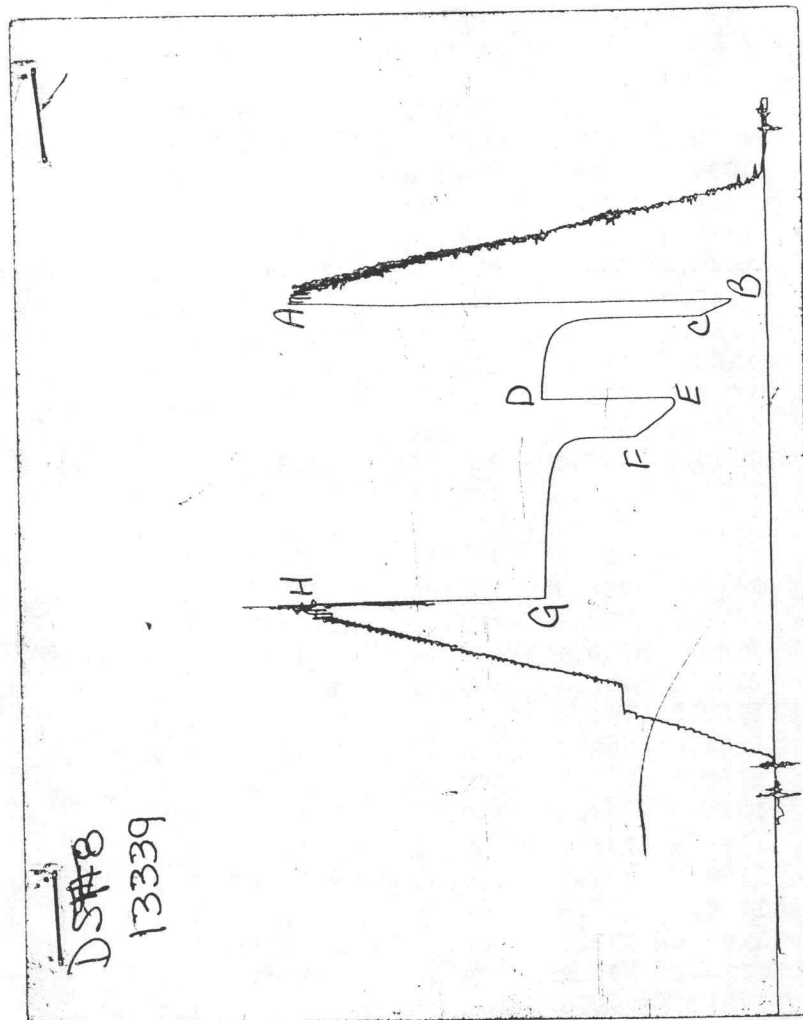


CHART PAGE



This is an actual photograph of an AK1 recorder chart

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Woolsey Pet. Corp. Shimanek #1 DST #8

DATE: 05/15/95

TIME: 00:30:05

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	140.00	2475.0	0.0	105.80		
***** Start Flow 1	0.00	126.3	0.0	106.16		
	2.00	194.5	68.2	106.52		
	4.00	230.4	104.1	106.88		
	6.00	264.8	138.5	107.06		
	8.00	298.6	172.3	107.24		
	10.00	330.9	204.6	107.24		
	12.00	361.6	235.2	107.42		
***** End Flow 1	14.00	391.3	265.0	107.42		
***** Start Shutin 1	0.00	391.3	0.0	107.42	0.0000	0.153
	2.00	1052.4	661.0	107.60	8.0000	1.107
	4.00	1094.3	703.0	107.78	4.5000	1.198
	6.00	1116.2	724.9	107.78	3.3333	1.246
	8.00	1130.3	739.0	107.96	2.7500	1.278
	10.00	1140.4	749.1	108.14	2.4000	1.301
	12.00	1147.8	756.4	108.14	2.1667	1.317
	14.00	1153.8	762.5	108.32	2.0000	1.331
	16.00	1158.7	767.4	108.32	1.8750	1.343
	18.00	1162.6	771.2	108.50	1.7778	1.352
	20.00	1166.0	774.7	108.50	1.7000	1.360
	22.00	1169.1	777.8	108.50	1.6364	1.367
	24.00	1171.4	780.0	108.68	1.5833	1.372
	26.00	1173.8	782.5	108.68	1.5385	1.378
	28.00	1175.7	784.4	108.86	1.5000	1.382
	30.00	1177.7	786.3	108.86	1.4667	1.387
	32.00	1179.3	787.9	109.04	1.4375	1.391
	34.00	1180.4	789.1	109.04	1.4118	1.393
	36.00	1181.8	790.4	109.22	1.3889	1.397
	38.00	1182.8	791.4	109.22	1.3684	1.399
	40.00	1184.0	792.7	109.40	1.3500	1.402
	42.00	1185.1	793.7	109.40	1.3333	1.404
	44.00	1185.8	794.5	109.40	1.3182	1.406
	46.00	1186.5	795.1	109.58	1.3043	1.408
	48.00	1187.1	795.7	109.58	1.2917	1.409
	50.00	1188.0	796.6	109.76	1.2800	1.411
	52.00	1188.6	797.2	109.76	1.2692	1.413
	54.00	1189.2	797.9	109.94	1.2593	1.414
	56.00	1189.8	798.5	109.94	1.2500	1.416
	58.00	1190.3	799.0	109.94	1.2414	1.417
***** End Shut-in 1	60.00	1190.8	799.4	110.12	1.2333	1.418
***** Start Flow 2	0.00	434.9	0.0	110.12		
	2.00	462.3	27.4	110.12		
	4.00	489.4	54.5	110.12		
	6.00	514.6	79.6	110.12		
	8.00	538.6	103.7	110.30		
	10.00	562.0	127.1	110.30		
	12.00	584.2	149.3	110.30		
	14.00	605.4	170.5	110.48		
	16.00	625.9	191.0	110.48		
	18.00	645.1	210.2	110.66		
	20.00	663.9	229.0	110.66		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Woolsey Pet. Corp. Shimanek #1 DST #8

DATE: 05/15/95

TIME: 00:30:05

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	22.00	681.6	246.7	110.66		
	24.00	698.4	263.4	110.84		
	26.00	715.1	280.2	110.84		
***** End Flow 2	28.00	731.1	296.2	111.02		
***** Start Shutin 2	0.00	731.1	0.0	111.02	0.0000	0.534
	2.00	1069.0	337.9	111.02	22.0000	1.143
	4.00	1093.9	362.8	111.20	11.5000	1.197
	6.00	1108.1	377.0	111.20	8.0000	1.228
	8.00	1117.6	386.5	111.38	6.2500	1.249
	10.00	1124.7	393.6	111.38	5.2000	1.265
	12.00	1130.7	399.6	111.56	4.5000	1.278
	14.00	1135.5	404.4	111.56	4.0000	1.289
	16.00	1139.5	408.4	111.56	3.6250	1.298
	18.00	1142.9	411.8	111.74	3.3333	1.306
	20.00	1146.0	414.9	111.74	3.1000	1.313
	22.00	1148.9	417.8	111.74	2.9091	1.320
	24.00	1151.1	420.0	111.92	2.7500	1.325
	26.00	1153.3	422.2	111.92	2.6154	1.330
	28.00	1155.5	424.4	111.92	2.5000	1.335
	30.00	1157.4	426.3	112.10	2.4000	1.339
	32.00	1159.3	428.2	112.10	2.3125	1.344
	34.00	1160.8	429.7	112.10	2.2353	1.347
	36.00	1162.4	431.3	112.28	2.1667	1.351
	38.00	1163.8	432.7	112.28	2.1053	1.354
	40.00	1165.2	434.2	112.28	2.0500	1.358
	42.00	1166.5	435.4	112.46	2.0000	1.361
	44.00	1167.8	436.7	112.46	1.9545	1.364
	46.00	1168.9	437.8	112.46	1.9130	1.366
	48.00	1169.9	438.9	112.64	1.8750	1.369
	50.00	1171.0	439.9	112.64	1.8400	1.371
	52.00	1171.8	440.7	112.64	1.8077	1.373
	54.00	1173.0	441.9	112.82	1.7778	1.376
	56.00	1174.0	442.9	112.82	1.7500	1.378
	58.00	1174.7	443.6	112.82	1.7241	1.380
	60.00	1175.4	444.3	112.82	1.7000	1.382
	62.00	1176.4	445.3	113.00	1.6774	1.384
	64.00	1177.2	446.2	113.00	1.6562	1.386
	66.00	1177.8	446.7	113.00	1.6364	1.387
	68.00	1178.7	447.6	113.00	1.6176	1.389
	70.00	1179.3	448.3	113.18	1.6000	1.391
	72.00	1180.0	448.9	113.18	1.5833	1.392
	74.00	1180.7	449.6	113.18	1.5676	1.394
	76.00	1181.4	450.3	113.36	1.5526	1.396
	78.00	1181.7	450.6	113.36	1.5385	1.396
	80.00	1182.5	451.4	113.36	1.5250	1.398
	82.00	1183.1	452.0	113.36	1.5122	1.400
	84.00	1183.5	452.5	113.36	1.5000	1.401
	86.00	1184.2	453.1	113.54	1.4884	1.402
	88.00	1184.9	453.8	113.54	1.4773	1.404
	90.00	1185.3	454.2	113.54	1.4667	1.405
	92.00	1185.7	454.6	113.72	1.4565	1.406

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Woolsey Pet. Corp. Shimanek #1 DST #8

DATE: 05/15/95

TIME: 00:30:05

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	94.00	1186.5	455.4	113.72	1.4468	1.408
	96.00	1186.8	455.7	113.72	1.4375	1.409
	98.00	1187.5	456.4	113.72	1.4286	1.410
	100.00	1187.8	456.7	113.90	1.4200	1.411
	102.00	1188.3	457.2	113.90	1.4118	1.412
	104.00	1188.7	457.6	113.90	1.4038	1.413
	106.00	1189.2	458.1	113.90	1.3962	1.414
	108.00	1189.6	458.5	114.08	1.3889	1.415
	110.00	1190.0	458.9	114.08	1.3818	1.416
	112.00	1190.5	459.4	114.08	1.3750	1.417
	114.00	1190.8	459.8	114.08	1.3684	1.418
	116.00	1191.3	460.3	114.26	1.3621	1.419
	118.00	1191.7	460.6	114.26	1.3559	1.420
***** End Shut-in 2	120.00	1192.1	461.0	114.26	1.3500	1.421
***** Final Hydro.	370.00	2341.7	0.0	115.52		

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Shimanek #1

LOCATION : 28-19S-36W

TICKET No. 8058 D.S.T. No. 8 DATE 05/15/95

TOTAL TOOL TO BOTTOM OF TOP PACKERS 50

INTERVAL TOOL 50

BOTTOM PACKERS AND ANCHOR 60

TOTAL TOOL 78

DRILL COLLAR ANCHOR IN INTERVAL 0

D.C. ANCHOR STND.Stands0	Single 0	Total 0
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D.P. ANCHOR STND.Stands 0 Single 1 Total 31.01

TOTAL ASSEMBLY 78

D.C. ABOVE TOOLS.Stands0	Single 0	Total 0

D.P. ABOVE TOOLS.Stands80 Single 0 Total 4643

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5049

TOTAL DEPTH 5040

TOTAL DRILL PIPE ABOVE K.B. 9

REMARKS:

P.O. SUB Circ. sub	1'
C.O. SUB 4.5XH x 4.5FH	1'

S.I. TOOL 4 Stage 5'

HMV Hydraulic	5'
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JARS Hydraulic 5'

SAFETY JOINT Sterling 2'

PACKER Conv. 5'

PACKER Conv. 5'

DEPTH 4990

STUBB

ANCHOR Perforations 3'

Pick-up sub	5'
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Elec. Rec. @ 4996'

Perf. 1'

4.5FH x 4.5XH 1'

4.5XH	D.P.	31.01
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T.C.
DEPTH

4.5XH x 4.5FH 1'

AK-1 Mech. Rec. @ 5035'

BULLNOSE

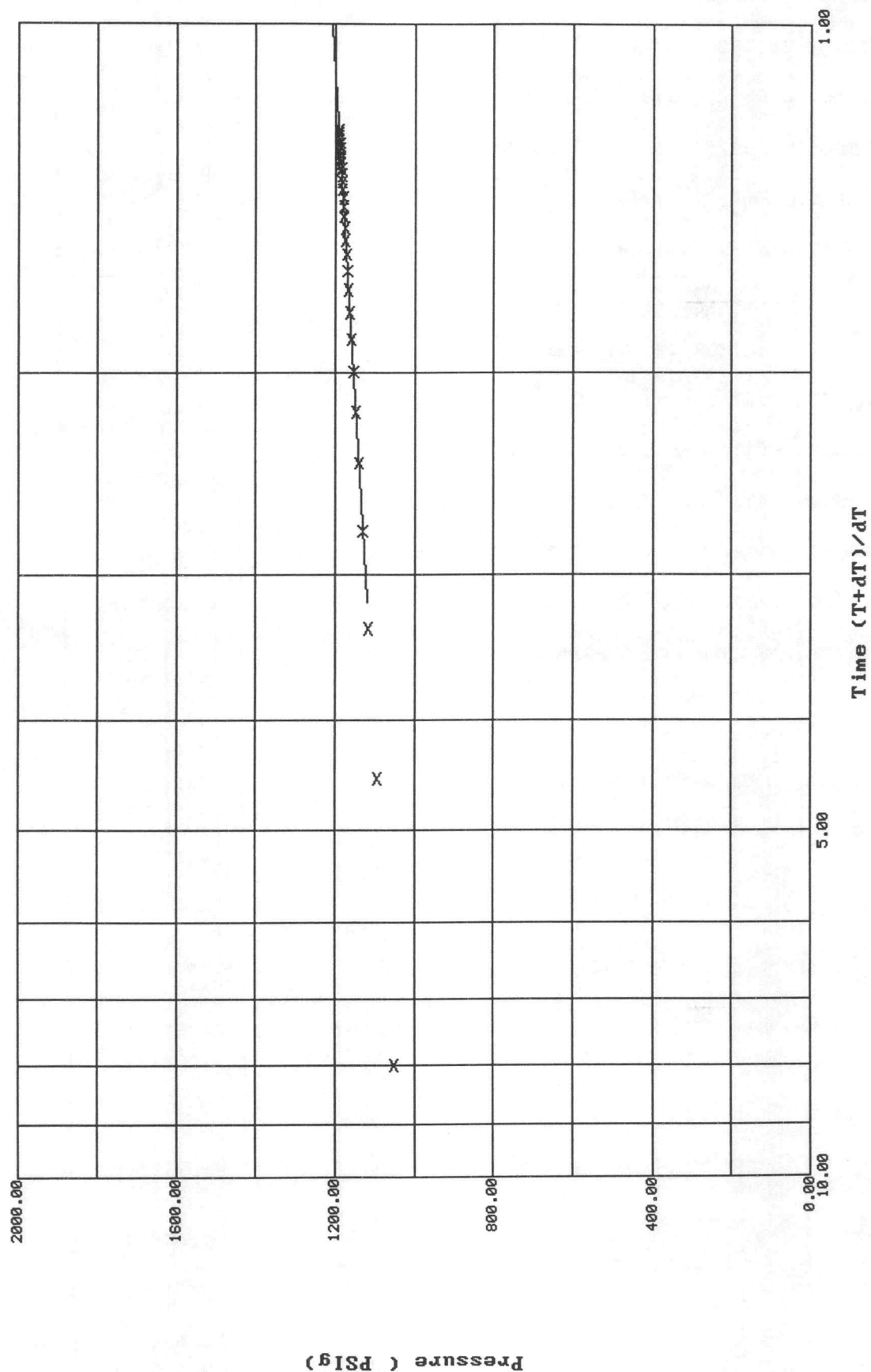
T.D. Perf. 5'

Horner Plot: shut-in #1

Woolsey Pet. Corp. Shimanek #1 DST #8

Slope: 177.2455 PSig/cycle

Ext. Pressure: 1206.9965 PSig

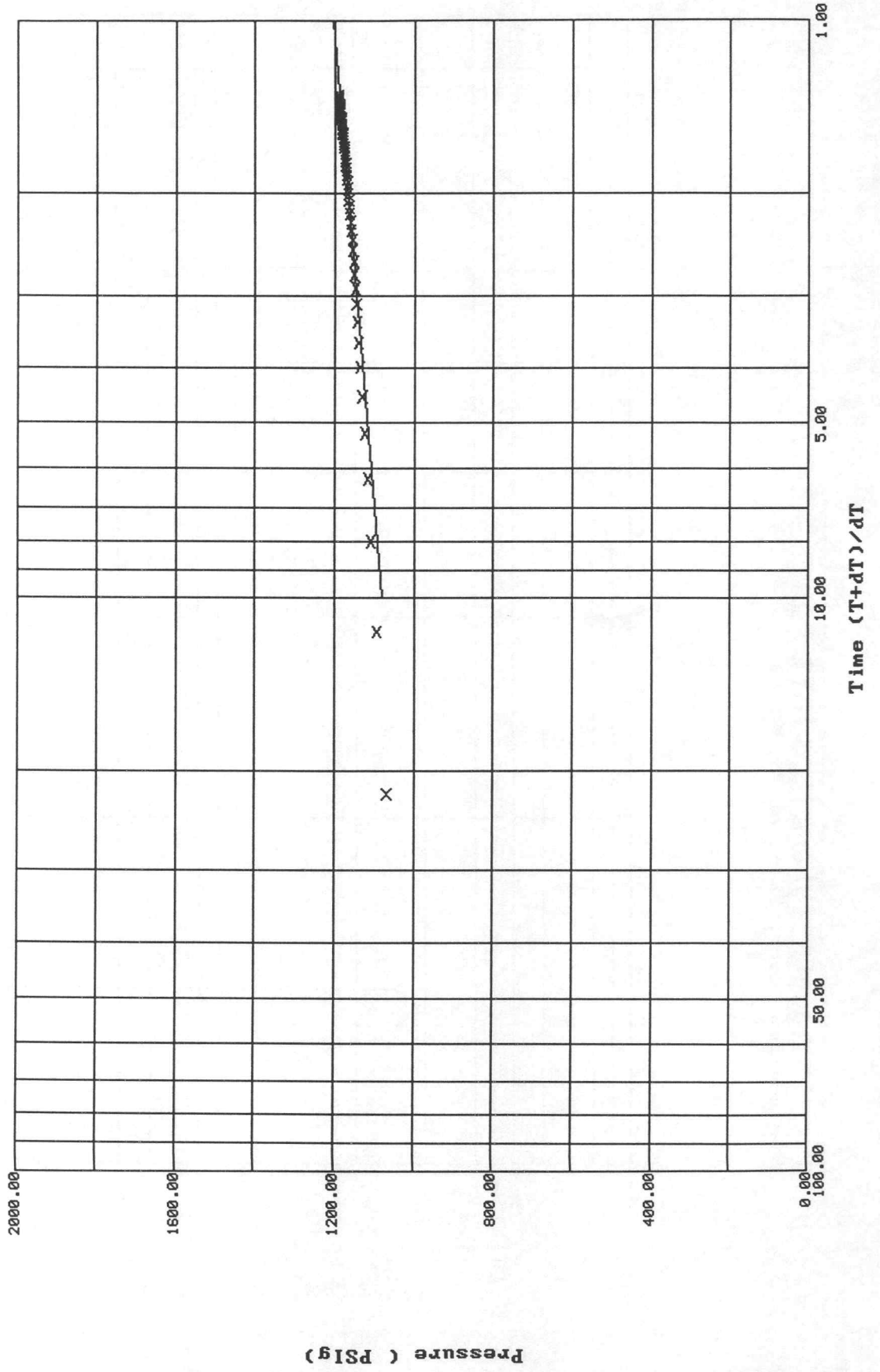


Horner Plot: shut-in #2

Woolsey Pet. Corp. Shimanek #1 DST #8

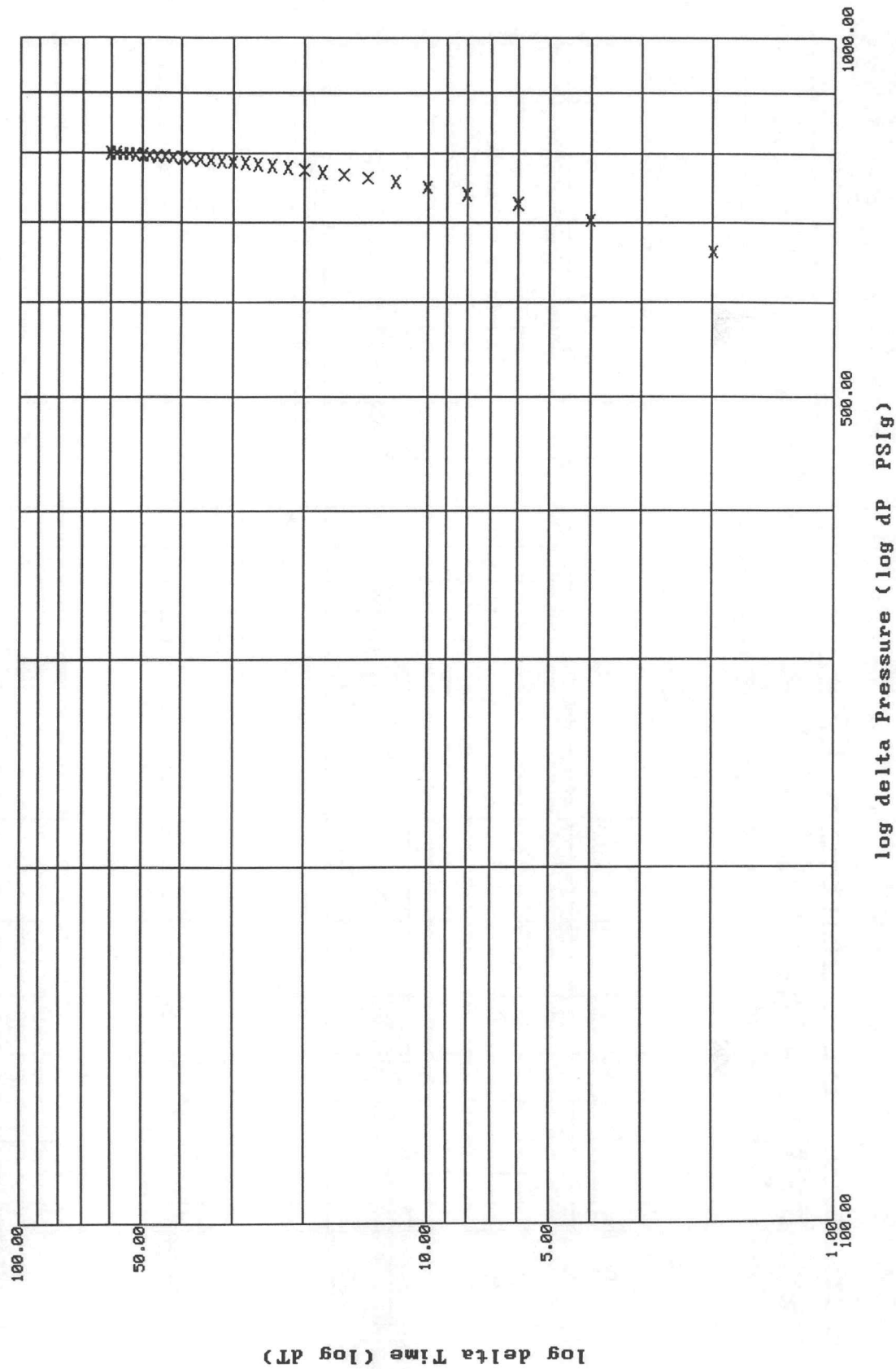
Slope: 126.1106 PSig/cycle

Ext. Pressure: 1206.0311 PSig



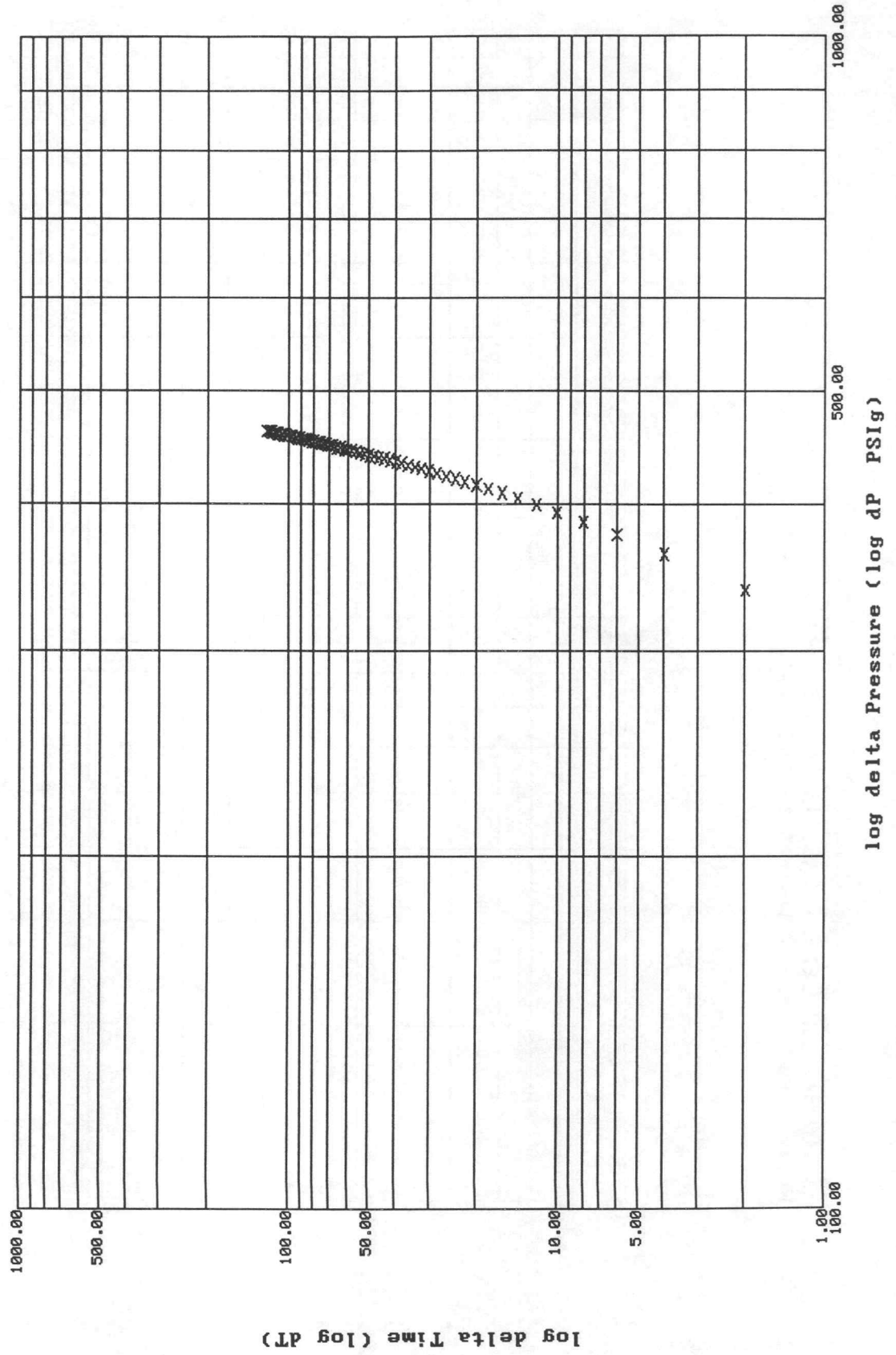
McKinley Plot: shut-in #1

Woolsey Pet. Corp. Shimanek #1 DST #8



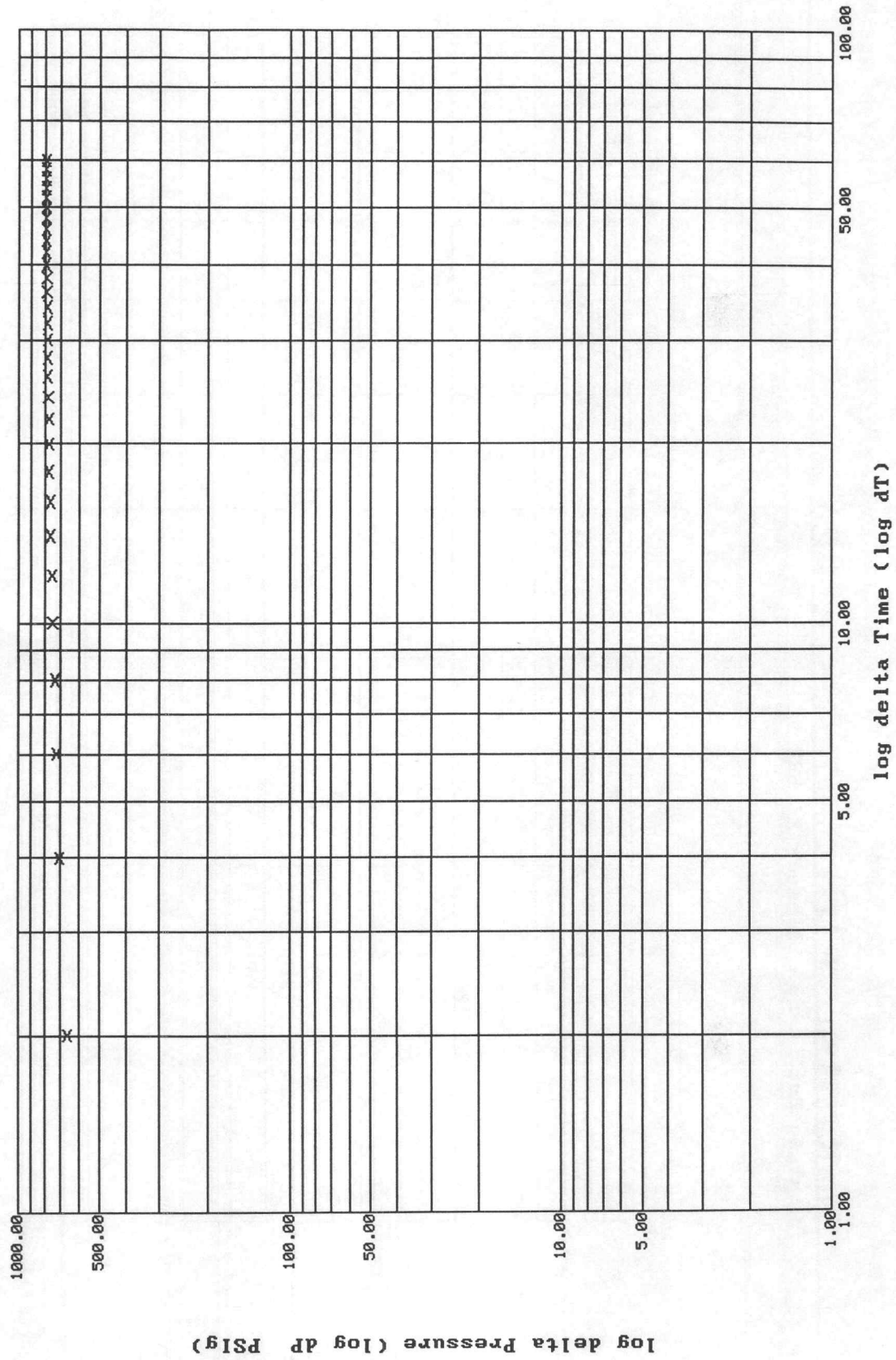
McKinley Plot: shut-in #2

Woolsey Pet. Corp. Shimanek #1 DST #8



Ramey Plot: shut-in #1

Woolsey Pet. Corp. Shimanek #1 DST #8



Ramey Plot: shut-in #2

Woolsey Pet. Corp. Shimanek #1 DST #8

