

WELL NAME:	K.U. Endowment I #1
COMPANY:	Pickrell Drilling Co.
LOCATION:	26-01S-41W
	Morton County, Kansas
DATE:	11/19/97

TRILOBITE TESTING L.L.C.

OPERATOR : Pickrell Drilling Co.

DATE 11-14-97

WELL NAME: K.U.Endowment I #1

KB 3388.00 ft

TICKET NO: 10489 DST #1

LOCATION : 26-01s-41w Morton Co. KS

GR 3375.00 ft

FORMATION: Morrow

INTERVAL : 4927.00 To 5081.00 ft

TD 5081.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13339	13339	2342			PF Fr. 0433 to 0503 hr
SI 60 Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 0503 to 0603 hr
SF 30 Clock(hrs)	12 HR	12 hr	ALP			SF Fr. 0603 to 0633 hr
FS 30 Depth(ft)	5076.0	5076.0	4930.0	0.0	0.0	FS Fr. 0633 to 0703 hr

	Field	1	2	3	4	
A. Init Hydro	2473.0	2444.0	2359.0	0.0	0.0	T STARTED 0100 hr
B. First Flow	52.0	74.0	21.0	0.0	0.0	T ON BOTM 0430 hr
B1. Final Flow	52.0	74.0	34.0	0.0	0.0	T OPEN 0433 hr
C. In Shut-in	72.0	92.0	59.0	0.0	0.0	T PULLED 0703 hr
D. Init Flow	52.0	72.0	31.0	0.0	0.0	T OUT 1015 hr
E. Final Flow	52.0	109.0	58.0	0.0	0.0	
F. Fl Shut-in	72.0	111.0	76.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2403.0	2366.0	2284.0	0.0	0.0	Tool Wt. 2000.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 95000.00 lbs
						Initial Str Wt 80000.00 lbs
						Unseated Str Wt 80000.00 lbs
						Bot Choke 0.75 in
						Hole Size 8.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 593.00 ft
						D.P. Length 4451.00 ft

RECOVERY

Tot Fluid 70.00 ft of 70.00 ft in DC and 0.00 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 Flow: Weak blow built to 1 1/2" decreased to 1" at final.

Initial Shut-In: No Blow.

Final Flow: No return - flushed tool / good surge - no help.

Final Shut-In: No blow.

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/c
Vis.	65.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop N	

Amt. of fill	0.00 ft
Btm. H. Temp.	122.00 F
Hole Condition	Good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Rod Steinbrink
Co. Rep.	Harold Trapp
Contr.	Cheyenne
Rig #	3
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: K.U.Endowment I #1

LOCATION : 26-01s-41w Morton Co. KS

TICKET No. 10489 D.S.T. No. 1 DATE 11-14-97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL 34

BOTTOM PACKERS AND ANCHOR

TOTAL TOOL 61

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands 2 Single Total 120

TOTAL ASSEMBLY 181

D.C. ABOVE TOOLS.Stands10 Single Total 593

D.P. ABOVE TOOLS.Stands72 Single Total 4451

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5105

TOTAL DEPTH 5081

TOTAL DRILL PIPE ABOVE K.B. 24

REMARKS:

P.O. SUB 1' Above 120' DC	4780
C.O. SUB 1'	4900
S.I. TOOL 5'	4906
HMV 5'	4911
JARS 5'	4916
SAFETY JOINT 2'	4918
PACKER 4'	4922
PACKER 5'	4927
DEPTH STUBB 1'	4928
ANCHOR	
Alpine Rec 4930	
26' Perf	4954
1' c/o Sub	4955
120' DP	5075
1' c/o Sub	5076
T.C. DEPTH	
AK-1 Rec. 5076	
BULLNOSE 5'	
T.D.	5081

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10489 DST #1 KU Endowment I #1 Pickrell Drlg Co.

DATE: 11/14/97 TIME: 01:00:41

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	208.00	2359.2	0.0	118.46		
***** Start Flow 1	0.00	21.6	0.0	118.47		
	1.00	24.0	2.4	118.54		
	2.00	26.7	5.1	118.58		
	3.00	27.4	5.9	118.60		
	4.00	28.6	7.0	118.61		
	5.00	29.7	8.1	118.61		
	6.00	30.3	8.7	118.62		
	7.00	30.5	8.9	118.62		
	8.00	31.5	9.9	118.62		
	9.00	32.2	10.7	118.63		
	10.00	32.3	10.7	118.65		
	11.00	32.6	11.0	118.68		
	12.00	32.9	11.3	118.70		
	13.00	30.7	9.1	118.73		
	14.00	29.8	8.2	118.78		
	15.00	31.7	10.2	118.83		
	16.00	32.4	10.8	118.86		
	17.00	31.9	10.3	118.90		
	18.00	30.8	9.2	118.92		
	19.00	31.0	9.5	118.96		
	20.00	31.5	9.9	118.99		
	21.00	32.6	11.0	119.02		
	22.00	33.0	11.4	119.04		
	23.00	33.6	12.1	119.06		
	24.00	33.4	11.8	119.09		
	25.00	33.6	12.1	119.11		
	26.00	34.2	12.6	119.13		
	27.00	34.8	13.3	119.14		
	28.00	35.0	13.4	119.16		
	29.00	35.6	14.0	119.18		
	30.00	35.2	13.6	119.20		
***** End Flow 1	31.00	34.8	13.3	119.22		
***** Start Shutin 1	0.00	34.8	0.0	119.22	0.0000	0.001
	1.00	36.4	1.6	119.24	32.0000	0.001
	2.00	37.1	2.3	119.25	16.5000	0.001
	3.00	37.8	2.9	119.28	11.3333	0.001
	4.00	38.3	3.4	119.31	8.7500	0.001
	5.00	38.8	3.9	119.31	7.2000	0.002
	6.00	39.4	4.5	119.34	6.1667	0.002
	7.00	39.9	5.1	119.36	5.4286	0.002
	8.00	40.4	5.5	119.38	4.8750	0.002
	9.00	40.9	6.1	119.40	4.4444	0.002
	10.00	41.5	6.6	119.42	4.1000	0.002
	11.00	42.0	7.1	119.44	3.8182	0.002
	12.00	42.5	7.6	119.46	3.5833	0.002
	13.00	42.9	8.1	119.48	3.3846	0.002
	14.00	43.4	8.6	119.50	3.2143	0.002
	15.00	43.9	9.1	119.51	3.0667	0.002
	16.00	44.3	9.5	119.54	2.9375	0.002
	17.00	44.7	9.9	119.56	2.8235	0.002

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: 10489 DST #1 KU Endowment I #1 Pickrell Drlg Co.
 DATE: 11/14/97 TIME: 01:00:41

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	18.00	45.1	10.3	119.58	2.7222	0.002
	19.00	45.6	10.7	119.60	2.6316	0.002
	20.00	46.0	11.2	119.62	2.5500	0.002
	21.00	46.4	11.6	119.64	2.4762	0.002
	22.00	46.8	12.0	119.66	2.4091	0.002
	23.00	47.2	12.3	119.67	2.3478	0.002
	24.00	47.6	12.8	119.70	2.2917	0.002
	25.00	47.9	13.1	119.72	2.2400	0.002
	26.00	48.3	13.5	119.74	2.1923	0.002
	27.00	48.8	14.0	119.76	2.1481	0.002
	28.00	49.2	14.4	119.78	2.1071	0.002
	29.00	49.7	14.9	119.80	2.0690	0.002
	30.00	49.9	15.1	119.81	2.0333	0.002
	31.00	50.3	15.4	119.83	2.0000	0.003
	32.00	50.8	15.9	119.85	1.9688	0.003
	33.00	51.0	16.2	119.86	1.9394	0.003
	34.00	51.4	16.5	119.89	1.9118	0.003
	35.00	51.7	16.9	119.91	1.8857	0.003
	36.00	52.2	17.4	119.93	1.8611	0.003
	37.00	52.4	17.6	119.95	1.8378	0.003
	38.00	52.8	18.0	119.97	1.8158	0.003
	39.00	53.1	18.3	119.99	1.7949	0.003
	40.00	53.4	18.5	120.00	1.7750	0.003
	41.00	53.7	18.9	120.02	1.7561	0.003
	42.00	54.1	19.3	120.04	1.7381	0.003
	43.00	54.4	19.6	120.06	1.7209	0.003
	44.00	54.7	19.9	120.08	1.7045	0.003
	45.00	55.0	20.2	120.10	1.6889	0.003
	46.00	55.3	20.5	120.11	1.6739	0.003
	47.00	55.6	20.7	120.13	1.6596	0.003
	48.00	55.9	21.1	120.15	1.6458	0.003
	49.00	56.2	21.4	120.17	1.6327	0.003
	50.00	56.5	21.7	120.19	1.6200	0.003
	51.00	56.8	22.0	120.21	1.6078	0.003
	52.00	57.1	22.3	120.22	1.5962	0.003
	53.00	57.5	22.7	120.24	1.5849	0.003
	54.00	57.8	23.0	120.25	1.5741	0.003
	55.00	58.1	23.2	120.27	1.5636	0.003
	56.00	58.3	23.5	120.29	1.5536	0.003
	57.00	58.7	23.8	120.32	1.5439	0.003
	58.00	58.9	24.1	120.33	1.5345	0.003
***** End Shut-in 1	59.00	59.2	24.3	120.34	1.5254	0.003
***** Start Flow 2	0.00	31.5	0.0	120.39		
	1.00	32.6	1.2	120.41		
	2.00	33.1	1.6	120.44		
	3.00	33.4	1.9	120.47		
	4.00	33.6	2.2	120.50		
	5.00	34.0	2.5	120.53		
	6.00	34.3	2.9	120.56		
	7.00	34.7	3.2	120.58		
	8.00	34.9	3.4	120.61		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
TEST: 10489 DST #1 KU Endowment I #1 Pickrell Drlg Co.
DATE: 11/14/97 TIME: 01:00:41

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	9.00	35.2	3.8	120.62		
	10.00	35.5	4.0	120.65		
	11.00	36.1	4.6	120.68		
	12.00	2120.9	2089.5	120.81		
	13.00	55.7	24.3	121.07		
	14.00	55.3	23.8	121.50		
	15.00	55.6	24.2	121.88		
	16.00	56.6	25.1	122.19		
	17.00	57.4	25.9	122.42		
	18.00	58.0	26.5	122.59		
	19.00	58.6	27.1	122.72		
	20.00	59.2	27.7	122.81		
	21.00	58.5	27.0	122.86		
	22.00	57.4	25.9	122.88		
	23.00	57.9	26.4	122.90		
	24.00	58.2	26.8	122.91		
	25.00	58.7	27.2	122.90		
	26.00	59.1	27.6	122.89		
	27.00	59.4	27.9	122.87		
	28.00	59.6	28.1	122.85		
***** End Flow 2	29.00	58.3	26.9	122.84		
***** Start Shutin 2	0.00	58.3	0.0	122.84	0.0000	0.003
	1.00	58.8	0.5	122.81	61.0000	0.003
	2.00	58.9	0.6	122.81	31.0000	0.003
	3.00	59.4	1.1	122.79	21.0000	0.004
	4.00	59.9	1.6	122.79	16.0000	0.004
	5.00	60.2	1.8	122.77	13.0000	0.004
	6.00	60.5	2.2	122.76	11.0000	0.004
	7.00	60.8	2.5	122.74	9.5714	0.004
	8.00	61.3	2.9	122.73	8.5000	0.004
	9.00	61.4	3.1	122.71	7.6667	0.004
	10.00	61.8	3.5	122.70	7.0000	0.004
	11.00	62.3	3.9	122.68	6.4545	0.004
	12.00	62.6	4.3	122.67	6.0000	0.004
	13.00	63.0	4.7	122.65	5.6154	0.004
	14.00	63.3	5.0	122.64	5.2857	0.004
	15.00	63.5	5.2	122.63	5.0000	0.004
	16.00	63.8	5.5	122.61	4.7500	0.004
	17.00	64.2	5.9	122.61	4.5294	0.004
	18.00	64.5	6.2	122.59	4.3333	0.004
	19.00	64.9	6.5	122.58	4.1579	0.004
	20.00	65.2	6.9	122.58	4.0000	0.004
	21.00	65.5	7.1	122.57	3.8571	0.004
	22.00	65.8	7.5	122.57	3.7273	0.004
	23.00	66.0	7.7	122.56	3.6087	0.004
	24.00	66.3	8.0	122.56	3.5000	0.004
	25.00	66.6	8.3	122.56	3.4000	0.004
	26.00	66.8	8.5	122.55	3.3077	0.004
	27.00	67.1	8.8	122.55	3.2222	0.005
	28.00	67.5	9.1	122.55	3.1429	0.005
	29.00	67.7	9.4	122.55	3.0690	0.005

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10489 DST #1 KU Endowment I #1 Pickrell Drlg Co.

DATE: 11/14/97

TIME: 01:00:41

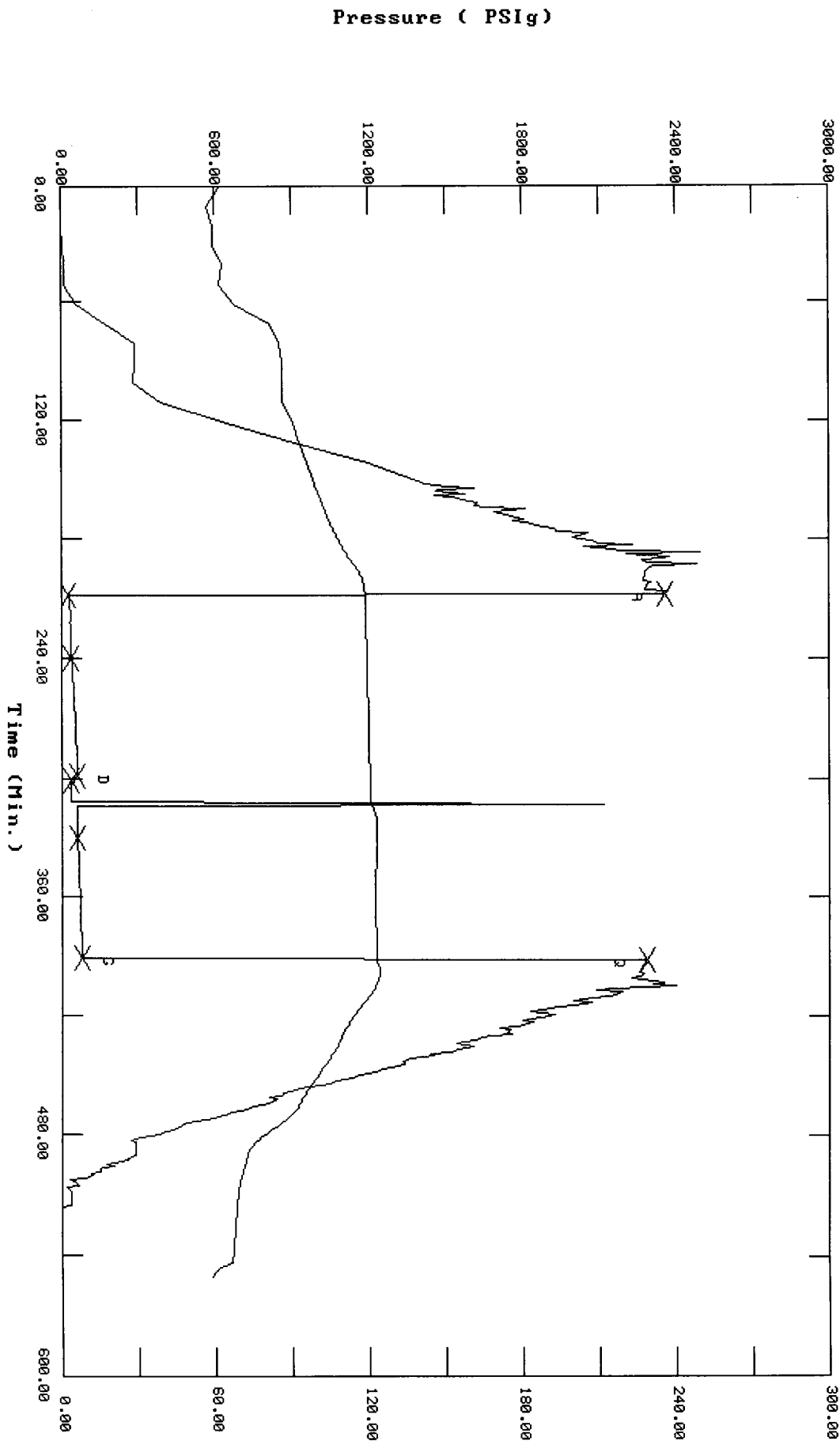
	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	30.00	68.1	9.7	122.55	3.0000	0.005
	31.00	68.4	10.1	122.56	2.9355	0.005
	32.00	68.6	10.2	122.56	2.8750	0.005
	33.00	68.6	10.3	122.56	2.8182	0.005
	34.00	69.1	10.8	122.56	2.7647	0.005
	35.00	69.5	11.2	122.56	2.7143	0.005
	36.00	69.7	11.4	122.57	2.6667	0.005
	37.00	70.1	11.7	122.57	2.6216	0.005
	38.00	70.2	11.9	122.58	2.5789	0.005
	39.00	70.5	12.2	122.59	2.5385	0.005
	40.00	70.7	12.4	122.59	2.5000	0.005
	41.00	71.1	12.8	122.60	2.4634	0.005
	42.00	71.2	12.9	122.60	2.4286	0.005
	43.00	71.6	13.3	122.61	2.3953	0.005
	44.00	71.8	13.5	122.61	2.3636	0.005
	45.00	72.3	13.9	122.62	2.3333	0.005
	46.00	72.5	14.2	122.63	2.3043	0.005
	47.00	72.7	14.4	122.64	2.2766	0.005
	48.00	72.9	14.6	122.64	2.2500	0.005
	49.00	73.2	14.9	122.65	2.2245	0.005
	50.00	73.4	15.1	122.66	2.2000	0.005
	51.00	73.6	15.3	122.66	2.1765	0.005
	52.00	73.8	15.5	122.66	2.1538	0.005
	53.00	74.2	15.9	122.68	2.1321	0.006
	54.00	74.4	16.1	122.69	2.1111	0.006
	55.00	74.7	16.4	122.69	2.0909	0.006
	56.00	75.0	16.7	122.71	2.0714	0.006
	57.00	75.1	16.8	122.71	2.0526	0.006
	58.00	75.4	17.1	122.72	2.0345	0.006
	59.00	75.6	17.3	122.73	2.0169	0.006
	60.00	75.9	17.6	122.73	2.0000	0.006
***** End Shut-in 2	61.00	76.1	17.8	122.74	1.9836	0.006
***** Final Hydro.	392.00	2284.2	0.0	122.90		

10489 DST #1 KU Endowment I #1 Pickrell Drilg Co.

TEST HISTORY

Flag Points
t(min.) P(PSig)

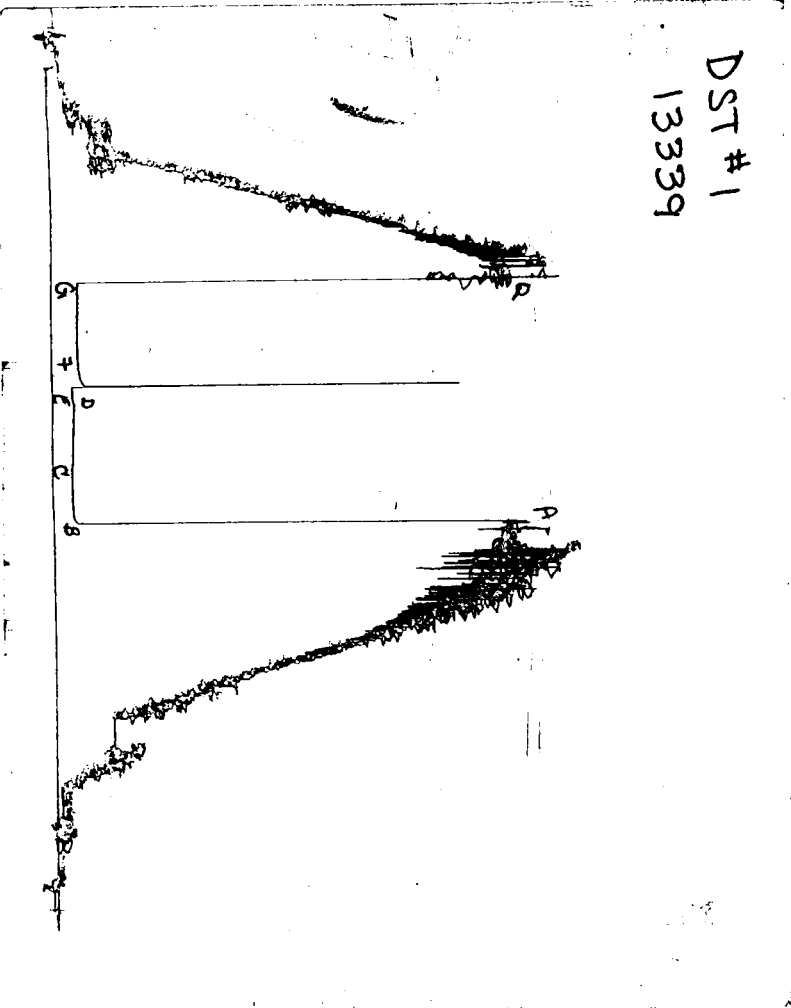
A:	0.00	2359.20
B:	0.00	21.56
C:	31.00	34.82
D:	59.00	59.16
E:	0.00	31.46
F:	29.00	58.32
G:	61.00	76.11
H:	0.00	2284.17



Temperature (DEG F)

CHART PAGE

DST #1
13339



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

OPERATOR : Prickrell Drlg. Co.

DATE 11-15-97

WELL NAME: K.U.Endowment I #1

KB 3388.00 ft

TICKET NO: 10490 DST #2

LOCATION : 26-1S-41W Morton Co. KS

GR 3375.00 ft

FORMATION: Morrow

INTERVAL : 5182.00 To 5270.00 ft

TD 5270.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13339	13339	2342			PF Fr. 0802 to 0832 hr
SI 30 Range(Psi)	7000.0	7000.0	4995.0	0.0	0.0	IS Fr. 0832 to 0902 hr
SF 30 Clock(hrs)	12 HR	12 hr	ALP			SF Fr. 0902 to 0932 hr
FS 30 Depth(ft)	5265.0	5265.0	5184.0	0.0	0.0	FS Fr. 0932 to 1002 hr

	Field	1	2	3	4	
A. Init Hydro	2483.0	2521.0	2473.0	0.0	0.0	T STARTED 0433 hr
B. First Flow	31.0	79.0	15.0	0.0	0.0	T ON BOTM 0800 hr
B1. Final Flow	31.0	69.0	21.0	0.0	0.0	T OPEN 0802 hr
C. In Shut-in	176.0	211.0	216.0	0.0	0.0	T PULLED 1002 hr
D. Init Flow	62.0	111.0	23.0	0.0	0.0	T OUT 1230 hr
E. Final Flow	62.0	110.0	58.0	0.0	0.0	
F. Fl Shut-in	124.0	169.0	140.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2383.0	2340.0	2446.0	0.0	0.0	Tool Wt. 2000.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 90000.00 lbs
						Initial Str Wt 80000.00 lbs
						Unseated Str Wt 80000.00 lbs
						Bot Choke 0.75 in
						Hole Size 8.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 593.00 ft
						D.P. Length 4585.00 ft

RECOVERY

Tot Fluid 30.00 ft of 30.00 ft in DC and 0.00 ft in DP

30.00 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 Flow: Weak 1/8" steady blow throughout.

Final Flow: No return blow - flushed tool/ good surge - no help.

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	8.90 lb/c
Vis.	58.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop N	

Amt. of fill	0.00 ft
Btm. H. Temp.	129.00 F
Hole Condition	Good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Rod Steinbrink
Co. Rep.	Harold Trapp
Contr.	Cheyenne
Rig #	3
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: K.U.Endowment I #1

LOCATION : 26-1S-41W Morton Co. KS

TICKET No. 10490 D.S.T. No. 2 DATE 11-15-97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL 26

BOTTOM PACKERS AND ANCHOR

TOTAL TOOL 53

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands 1 Single 62 Total 62

TOTAL ASSEMBLY 115

D.C. ABOVE TOOLS.Stands10 Single Total 593

D.P. ABOVE TOOLS.Stands74 Single 1 Total 4585

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5293

TOTAL DEPTH 5270

TOTAL DRILL PIPE ABOVE K.B. 23

REMARKS:

P.O. SUB 1' Above 120' DC	5035
C.O. SUB 1'	5155
S.I. TOOL 5'	5161
HMV 5'	5166
JARS 5'	5171
SAFETY JOINT 2'	5173
PACKER 4'	5177
PACKER 5'	5182
DEPTH	
STUBB 1'	5183
ANCHOR	
ALP Rec. @5184	
18' Perf	5201
1' c/o sub	5202
62' DP	5264
1'c/o sub	5265
T.C.	
DEPTH	
AK-1 Rec. @5265	
BULLNOSE 5'	
T.D.	5270

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: 10490 DST #2 K.U.Endowment I #1 Pickrell Drlg.Co.Inc.
 DATE: 11/15/97 TIME: 04:33:34

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	204.00	2473.8	0.0	120.73		
***** Start Flow 1	0.00	15.0	0.0	122.07		
	1.00	16.1	1.1	122.79		
	2.00	21.7	6.7	123.40		
	3.00	17.5	2.5	123.91		
	4.00	18.1	3.1	124.32		
	5.00	18.7	3.7	124.64		
	6.00	19.0	4.0	124.89		
	7.00	19.3	4.3	125.08		
	8.00	20.0	5.0	125.24		
	9.00	19.6	4.6	125.36		
	10.00	19.8	4.8	125.45		
	11.00	19.5	4.4	125.51		
	12.00	20.5	5.5	125.58		
	13.00	20.5	5.5	125.63		
	14.00	20.6	5.5	125.66		
	15.00	20.6	5.5	125.69		
	16.00	21.4	6.4	125.70		
	17.00	21.6	6.5	125.74		
	18.00	22.1	7.0	125.78		
	19.00	22.3	7.3	125.81		
	20.00	21.9	6.9	125.84		
	21.00	21.8	6.8	125.87		
	22.00	21.8	6.8	125.89		
	23.00	21.6	6.6	125.91		
	24.00	21.9	6.9	125.92		
	25.00	22.3	7.3	125.92		
	26.00	21.7	6.7	125.94		
	27.00	21.6	6.5	125.94		
	28.00	21.4	6.4	125.97		
***** End Flow 1	29.00	21.8	6.8	125.98		
***** Start Shutin 1	0.00	21.8	0.0	125.98	0.0000	0.000
	1.00	37.3	15.5	126.00	30.0000	0.001
	2.00	41.1	19.3	126.03	15.5000	0.002
	3.00	43.0	21.1	126.06	10.6667	0.002
	4.00	44.1	22.2	126.08	8.2500	0.002
	5.00	45.5	23.7	126.11	6.8000	0.002
	6.00	47.2	25.4	126.13	5.8333	0.002
	7.00	49.2	27.4	126.15	5.1429	0.002
	8.00	50.9	29.0	126.18	4.6250	0.003
	9.00	60.7	38.9	126.21	4.2222	0.004
	10.00	64.2	42.4	126.23	3.9000	0.004
	11.00	68.6	46.8	126.26	3.6364	0.005
	12.00	73.5	51.7	126.29	3.4167	0.005
	13.00	76.5	54.7	126.31	3.2308	0.006
	14.00	80.1	58.2	126.34	3.0714	0.006
	15.00	83.7	61.9	126.37	2.9333	0.007
	16.00	87.3	65.5	126.40	2.8125	0.008
	17.00	91.1	69.3	126.41	2.7059	0.008
	18.00	94.9	73.1	126.45	2.6111	0.009
	19.00	98.5	76.7	126.49	2.5263	0.01

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10490 DST #2 K.U.Endowment I #1 Pickrell Drlg.Co.Inc.

DATE: 11/15/97

TIME: 04:33:34

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	20.00	103.1	81.3	126.52	2.4500	0.011
	21.00	123.8	102.0	126.55	2.3810	0.015
	22.00	128.7	106.9	126.57	2.3182	0.017
	23.00	134.3	112.5	126.62	2.2609	0.018
	24.00	140.1	118.3	126.64	2.2083	0.020
	25.00	145.7	123.9	126.68	2.1600	0.021
	26.00	150.2	128.4	126.71	2.1154	0.023
	27.00	157.2	135.4	126.75	2.0741	0.025
	28.00	165.0	143.2	126.78	2.0357	0.027
	29.00	172.7	150.9	126.82	2.0000	0.030
	30.00	181.4	159.5	126.85	1.9667	0.033
	31.00	190.3	168.4	126.89	1.9355	0.036
	32.00	199.5	177.7	126.93	1.9062	0.040
	33.00	209.0	187.2	126.96	1.8788	0.044
***** End Shut-in 1	34.00	216.4	194.5	127.00	1.8529	0.047
***** Start Flow 2	0.00	24.0	0.0	127.02		
	1.00	26.1	2.1	127.05		
	2.00	25.8	1.8	127.09		
	3.00	25.8	1.8	127.14		
	4.00	25.7	1.7	127.18		
	5.00	24.9	0.9	127.23		
	6.00	26.3	2.4	127.28		
	7.00	26.9	2.9	127.33		
	8.00	27.5	3.5	127.38		
	9.00	27.4	3.4	127.43		
	10.00	2265.5	2241.5	127.60		
	11.00	42.5	18.5	127.67		
	12.00	50.9	26.9	127.82		
	13.00	51.4	27.4	127.94		
	14.00	51.8	27.8	128.04		
	15.00	52.0	28.0	128.12		
	16.00	52.4	28.4	128.17		
	17.00	52.9	28.9	128.22		
	18.00	53.3	29.3	128.26		
	19.00	53.6	29.6	128.29		
	20.00	55.4	31.4	128.31		
	21.00	56.4	32.4	128.33		
	22.00	56.6	32.6	128.36		
	23.00	57.0	33.0	128.37		
	24.00	57.3	33.3	128.40		
	25.00	57.6	33.7	128.41		
	26.00	58.2	34.2	128.43		
***** End Flow 2	27.00	58.5	34.5	128.44		
***** Start Shutin 2	0.00	58.5	0.0	128.44	0.0000	0.003
	1.00	49.2	-9.3	128.46	57.0000	0.002
	2.00	63.3	4.8	128.48	29.0000	0.004
	3.00	89.5	31.0	128.50	19.6667	0.008
	4.00	97.4	38.9	128.52	15.0000	0.009
	5.00	100.5	42.0	128.54	12.2000	0.010
	6.00	102.6	44.1	128.57	10.3333	0.011
	7.00	104.1	45.6	128.58	9.0000	0.011

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10490 DST #2 K.U.Endowment I #1 Pickrell Drlg.Co.Inc.

DATE: 11/15/97

TIME: 04:33:34

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	8.00	106.2	47.7	128.61	8.0000	0.011
	9.00	108.0	49.5	128.62	7.2222	0.012
	10.00	109.7	51.2	128.65	6.6000	0.012
	11.00	111.4	53.0	128.67	6.0909	0.012
	12.00	112.9	54.4	128.69	5.6667	0.013
	13.00	114.8	56.3	128.71	5.3077	0.013
	14.00	116.2	57.7	128.73	5.0000	0.014
	15.00	118.0	59.5	128.75	4.7333	0.014
	16.00	119.7	61.2	128.77	4.5000	0.014
	17.00	121.2	62.7	128.79	4.2941	0.015
	18.00	122.9	64.4	128.80	4.1111	0.015
	19.00	124.5	66.1	128.83	3.9474	0.016
	20.00	126.4	67.9	128.85	3.8000	0.016
	21.00	127.6	69.2	128.87	3.6667	0.016
	22.00	129.2	70.8	128.89	3.5455	0.017
	23.00	130.9	72.4	128.91	3.4348	0.017
	24.00	132.4	73.9	128.93	3.3333	0.018
	25.00	134.1	75.6	128.95	3.2400	0.018
	26.00	136.0	77.5	128.98	3.1538	0.018
	27.00	137.5	79.1	128.99	3.0741	0.019
	28.00	139.1	80.6	129.02	3.0000	0.019
***** End Shut-in 2	29.00	140.6	82.1	129.04	2.9310	0.020
***** Final Hydro.	329.00	2446.4	0.0	129.46		

DST # 2
13339

This is a photocopy of the actual AK-1 recorder chart

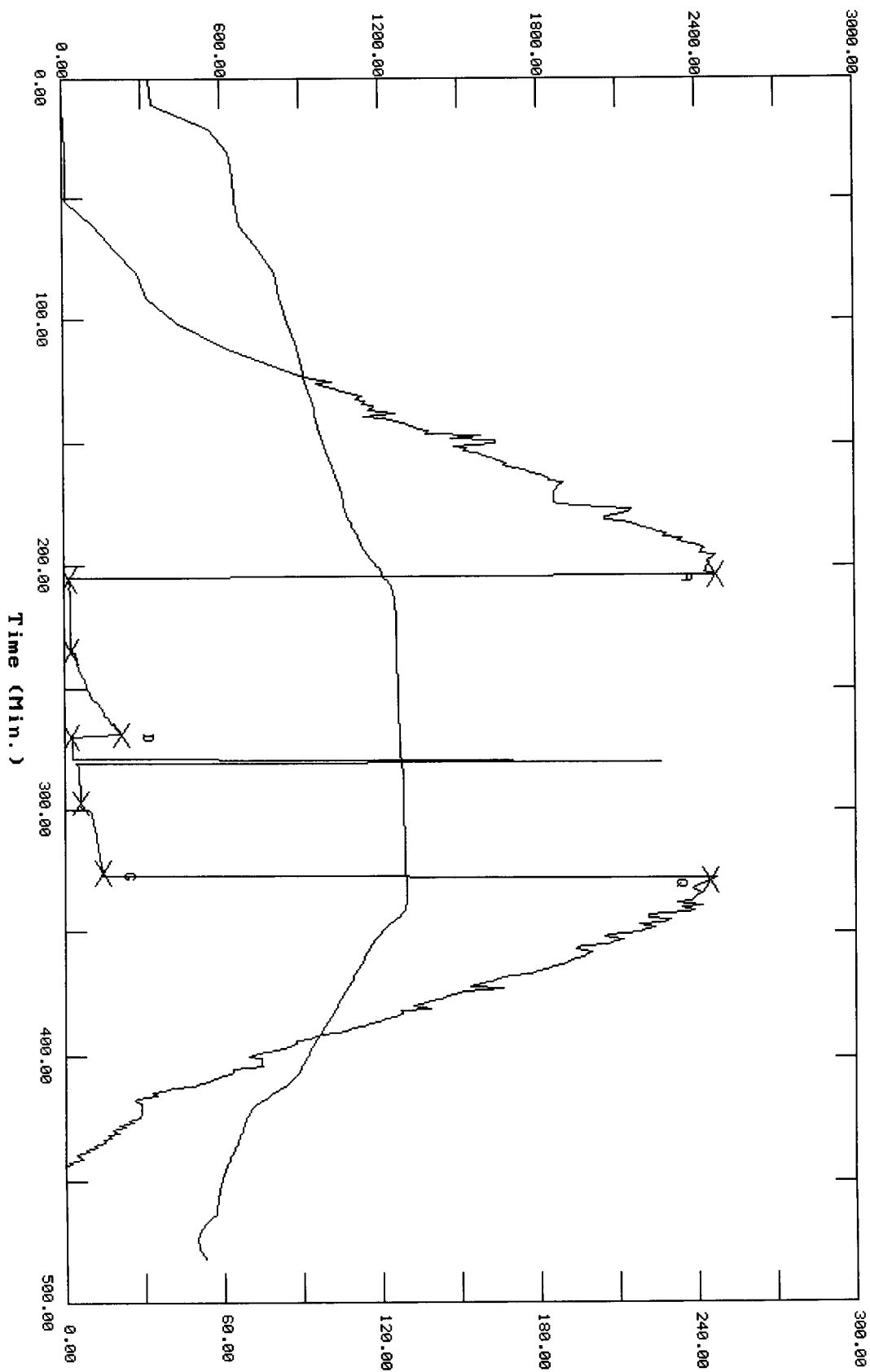
10490 DST #2 K.U. Endowment I #1 Pickrell Drilg. Co. Inc.

TEST HISTORY

Flag Points

t (Min.) P (PSig)

A:	0.00	2473.76
B:	0.00	15.01
C:	29.00	21.81
D:	34.00	216.36
E:	0.00	23.99
F:	27.00	58.49
G:	29.00	140.57
H:	0.00	2446.40



TRILOBITE TESTING L.L.C.

OPERATOR : Pickrell Drlg. Co.

DATE 11-16-97

WELL NAME: K.U.Endowment I #1

KB 3388.00 ft

TICKET NO: 10491

DST #3

LOCATION : 26-1S-41W Morton Co. KS

GR 3375.00 ft

FORMATION: Morrow/Keyes

INTERVAL : 5364.00 To 5522.00 ft

TD 5522.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13339	13339	2342			PF Fr. 1512 to 1542 hr
SI 60 Range(Psi)	7000.0	7000.0	4995.0	0.0	0.0	IS Fr. 1542 to 1642 hr
SF 60 Clock(hrs)	12 HR	12 hr	ALP			SF Fr. 1642 to 1742 hr
FS 60 Depth(ft)	5517.0	5517.0	5366.0	0.0	0.0	FS Fr. 1742 to 1842 hr

	Field	1	2	3	4	
A. Init Hydro	2721.0	2759.0	2510.0	0.0	0.0	T STARTED 1230 hr
B. First Flow	83.0	192.0	18.0	0.0	0.0	T ON BOTM 1510 hr
B1. Final Flow	104.0	190.0	83.0	0.0	0.0	T OPEN 1512 hr
C. In Shut-in	1060.0	1140.0	1053.0	0.0	0.0	T PULLED 1842 hr
D. Init Flow	134.0	269.0	94.0	0.0	0.0	T OUT 2130 hr
E. Final Flow	207.0	312.0	162.0	0.0	0.0	
F. Fl Shut-in	1050.0	1122.0	1033.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2523.0	2536.0	2465.0	0.0	0.0	Tool Wt. 2000.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 90000.00 lbs
						Initial Str Wt 80000.00 lbs
						Unseated Str Wt 80000.00 lbs
						Bot Choke 0.75 in
						Hole Size 8.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 593.00 ft
						D.P. Length 4890.00 ft

RECOVERY

Tot Fluid 300.00 ft of 300.00 ft in DC and 0.00 ft in DP
 300.00 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 Flow: Weak to Fair blow
 built to 3".

Initial Shutin: No blow back.

Final Flow: Surface blow after 5 min.
 stayed steady @1/4" throughout.

Final Shutin: No blow back.

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/c
Vis.	58.00 S/L
W.L.	8.00 in3
F.C.	0.00 in
Mud Drop N	

Amt. of fill	0.00 ft
Btm. H. Temp.	126.00 F
Hole Condition	Good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Rod Steinbrink
Co. Rep.	Harold Trapp
Contr.	Cheyenne
Rig #	3
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: K.U.Endowment I #1

LOCATION : 26-1S-41W Morton Co. KS

TICKET No. 10491 D.S.T. No. 3 DATE 11-16-97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL 34

BOTTOM PACKERS AND ANCHOR

TOTAL TOOL 61

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.	Stands	Single	Total
1	1	1	1
2	1	1	1
3	1	1	1
4	1	1	1
5	1	1	1
6	1	1	1
7	1	1	1
8	1	1	1
9	1	1	1
10	1	1	1
11	1	1	1
12	1	1	1
13	1	1	1
14	1	1	1
15	1	1	1
16	1	1	1
17	1	1	1
18	1	1	1
19	1	1	1
20	1	1	1
21	1	1	1
22	1	1	1
23	1	1	1
24	1	1	1
25	1	1	1
26	1	1	1
27	1	1	1
28	1	1	1
29	1	1	1
30	1	1	1
31	1	1	1
32	1	1	1
33	1	1	1
34	1	1	1
35	1	1	1
36	1	1	1
37	1	1	1
38	1	1	1
39	1	1	1
40	1	1	1
41	1	1	1
42	1	1	1
43	1	1	1
44	1	1	1
45	1	1	1
46	1	1	1
47	1	1	1
48	1	1	1
49	1	1	1
50	1	1	1
51	1	1	1
52	1	1	1
53	1	1	1
54	1	1	1
55	1	1	1
56	1	1	1
57	1	1	1
58	1	1	1
59	1	1	1
60	1	1	1
61	1	1	1
62	1	1	1
63	1	1	1
64	1	1	1
65	1	1	1
66	1	1	1
67	1	1	1
68	1	1	1
69	1	1	1
70	1	1	1
71	1	1	1
72	1	1	1
73	1	1	1
74	1	1	1
75	1	1	1
76	1	1	1
77	1	1	1
78	1	1	1
79	1	1	1
80	1	1	1
81	1	1	1
82	1	1	1
83	1	1	1
84	1	1	1
85	1	1	1
86	1	1	1
87	1	1	1
88	1	1	1
89	1	1	1
90	1	1	1
91	1	1	1
92	1	1	1
93	1	1	1
94	1	1	1
95	1	1	1
96	1	1	1
97	1	1	1
98	1	1	1
99	1	1	1
100	1	1	1

D.P. ANCHOR STND.Stands 2 Single Total 124

TOTAL ASSEMBLY 185

D.C. ABOVE TOOLS.Stands10	Single	Total 593
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D.P. ABOVE TOOLS.Stands78 Single 1 Total 4890

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5544

TOTAL DEPTH 5522

TOTAL DRILL PIPE ABOVE K.B. 22

REMARKS :

P.O. SUB 1' Above 120' DP 5217

H.C.O. SUB 1' 5337

H S.I. TOOL 5' 5343

HMV 5'	5348
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JARS 5' 5353

SAFETY JOINT 2'	5355
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PACKER 4' 5359

PACKER 5' 5364

DEPTH	
STUBB 1'	5365

ANCHOR

ALP Rec.@5366

26' Perf	5391
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1' c/o sub	5392
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H 124' DP 5516

1' c/o sub	5517
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T.C.	DEPTH
1	10
2	20
3	30
4	40
5	50
6	60
7	70
8	80
9	90
10	100
11	110
12	120
13	130
14	140
15	150
16	160
17	170
18	180
19	190
20	200
21	210
22	220
23	230
24	240
25	250
26	260
27	270
28	280
29	290
30	300
31	310
32	320
33	330
34	340
35	350
36	360
37	370
38	380
39	390
40	400
41	410
42	420
43	430
44	440
45	450
46	460
47	470
48	480
49	490
50	500
51	510
52	520
53	530
54	540
55	550
56	560
57	570
58	580
59	590
60	600
61	610
62	620
63	630
64	640
65	650
66	660
67	670
68	680
69	690
70	700
71	710
72	720
73	730
74	740
75	750
76	760
77	770
78	780
79	790
80	800
81	810
82	820
83	830
84	840
85	850
86	860
87	870
88	880
89	890
90	900
91	910
92	920
93	930
94	940
95	950
96	960
97	970
98	980
99	990
100	1000

AK-1 Rec. @5517

BULLNOSE 5'

T.D. 5522

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10491 DST #3 K.U.Endowment I #1 Pickrell Drlg.Co.Inc.

DATE: 11/16/97

TIME: 12:30:16

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	158.00	2510.0	0.0	113.03		
***** Start Flow 1	0.00	18.5	0.0	113.45		
	1.00	22.2	3.7	113.81		
	2.00	24.8	6.3	114.10		
	3.00	28.9	10.4	114.33		
	4.00	31.7	13.2	114.56		
	5.00	34.5	15.9	114.89		
	6.00	33.6	15.1	115.28		
	7.00	39.9	21.3	115.63		
	8.00	41.3	22.7	116.00		
	9.00	44.2	25.7	116.38		
	10.00	45.8	27.3	116.67		
	11.00	48.9	30.4	116.92		
	12.00	50.3	31.8	117.09		
	13.00	53.5	34.9	117.09		
	14.00	56.3	37.8	117.03		
	15.00	56.8	38.3	117.02		
	16.00	58.5	39.9	117.11		
	17.00	66.2	47.7	117.26		
	18.00	62.3	43.8	117.43		
	19.00	73.0	54.5	117.58		
	20.00	64.7	46.2	117.63		
	21.00	70.0	51.4	117.48		
	22.00	69.3	50.8	117.20		
	23.00	71.5	53.0	116.89		
	24.00	72.7	54.1	116.60		
	25.00	73.3	54.8	116.36		
	26.00	75.3	56.7	116.18		
	27.00	76.3	57.7	116.06		
	28.00	78.5	59.9	116.01		
	29.00	87.4	68.8	115.99		
	30.00	80.9	62.4	116.00		
	31.00	81.9	63.4	116.03		
***** End Flow 1	32.00	83.8	65.2	116.13		
***** Start Shutin 1	0.00	83.8	0.0	116.13	0.0000	0.007
	1.00	152.6	68.8	116.33	33.0000	0.023
	2.00	322.0	238.3	116.53	17.0000	0.104
	3.00	529.2	445.5	116.69	11.6667	0.280
	4.00	679.7	596.0	116.84	9.0000	0.462
	5.00	772.5	688.7	116.98	7.4000	0.597
	6.00	830.8	747.0	117.12	6.3333	0.690
	7.00	868.6	784.8	117.25	5.5714	0.754
	8.00	895.2	811.4	117.37	5.0000	0.801
	9.00	914.8	831.1	117.50	4.5556	0.837
	10.00	930.1	846.3	117.61	4.2000	0.865
	11.00	942.7	858.9	117.72	3.9091	0.889
	12.00	953.2	869.5	117.83	3.6667	0.909
	13.00	962.3	878.6	117.94	3.4615	0.926
	14.00	970.3	886.5	118.03	3.2857	0.941
	15.00	977.2	893.5	118.12	3.1333	0.955
	16.00	983.5	899.8	118.22	3.0000	0.967

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10491 DST #3 K.U.Endowment I #1 Pickrell Drlg.Co.Inc.

DATE: 11/16/97

TIME: 12:30:16

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	17.00	989.2	905.4	118.30	2.8824	0.978
	18.00	994.3	910.5	118.39	2.7778	0.989
	19.00	999.0	915.2	118.47	2.6842	0.998
	20.00	1003.2	919.4	118.55	2.6000	1.006
	21.00	1007.1	923.4	118.63	2.5238	1.014
	22.00	1010.6	926.8	118.71	2.4545	1.021
	23.00	1013.7	929.9	118.78	2.3913	1.028
	24.00	1016.4	932.7	118.84	2.3333	1.033
	25.00	1019.0	935.3	118.92	2.2800	1.038
	26.00	1021.5	937.7	118.99	2.2308	1.043
	27.00	1023.6	939.8	119.05	2.1852	1.048
	28.00	1025.6	941.8	119.12	2.1429	1.052
	29.00	1027.5	943.8	119.18	2.1034	1.056
	30.00	1029.2	945.4	119.26	2.0667	1.059
	31.00	1030.8	947.0	119.31	2.0323	1.063
	32.00	1032.3	948.6	119.38	2.0000	1.066
	33.00	1033.8	950.1	119.44	1.9697	1.069
	34.00	1035.1	951.3	119.49	1.9412	1.071
	35.00	1036.3	952.6	119.56	1.9143	1.074
	36.00	1037.6	953.8	119.61	1.8889	1.077
	37.00	1038.7	954.9	119.67	1.8649	1.079
	38.00	1039.8	956.0	119.72	1.8421	1.081
	39.00	1040.9	957.1	119.78	1.8205	1.083
	40.00	1041.8	958.0	119.83	1.8000	1.085
	41.00	1042.7	959.0	119.90	1.7805	1.087
	42.00	1043.6	959.8	119.96	1.7619	1.089
	43.00	1044.4	960.6	120.00	1.7442	1.091
	44.00	1045.2	961.5	120.05	1.7273	1.093
	45.00	1045.9	962.1	120.11	1.7111	1.094
	46.00	1046.7	962.9	120.16	1.6957	1.095
	47.00	1047.3	963.6	120.22	1.6809	1.097
	48.00	1047.9	964.2	120.27	1.6667	1.098
	49.00	1048.7	964.9	120.32	1.6531	1.100
	50.00	1049.3	965.5	120.36	1.6400	1.101
	51.00	1049.8	966.0	120.41	1.6275	1.102
	52.00	1050.3	966.6	120.46	1.6154	1.103
	53.00	1050.9	967.2	120.51	1.6038	1.104
	54.00	1051.4	967.6	120.56	1.5926	1.105
	55.00	1051.9	968.2	120.61	1.5818	1.107
	56.00	1052.4	968.7	120.66	1.5714	1.108
	57.00	1052.9	969.1	120.71	1.5614	1.109
***** End Shut-in 1	58.00	1053.5	969.7	120.75	1.5517	1.110
***** Start Flow 2	0.00	94.4	0.0	120.75		
	1.00	94.8	0.4	120.71		
	2.00	181.4	86.9	120.61		
	3.00	96.3	1.8	120.52		
	4.00	103.4	9.0	120.49		
	5.00	119.3	24.8	120.47		
	6.00	100.8	6.4	120.41		
	7.00	101.6	7.2	120.45		
	8.00	103.9	9.5	120.62		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10491 DST #3 K.U.Endowment I #1 Pickrell Drlg.Co.Inc.

DATE: 11/16/97

TIME: 12:30:16

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	9.00	104.4	10	120.85		
	10.00	107.0	12.6	121.03		
	11.00	107.9	13.5	121.18		
	12.00	108.8	14.4	121.31		
	13.00	109.9	15.5	121.42		
	14.00	112.3	17.9	121.57		
	15.00	113.6	19.2	121.66		
	16.00	114.7	20.3	121.71		
	17.00	127.1	32.6	121.74		
	18.00	117.0	22.6	121.75		
	19.00	140.2	45.8	121.79		
	20.00	119.1	24.7	121.89		
	21.00	137.5	43.1	122.01		
	22.00	120.4	26.0	122.11		
	23.00	146.0	51.6	122.16		
	24.00	123.4	29.0	122.19		
	25.00	124.0	29.6	122.21		
	26.00	125.7	31.3	122.23		
	27.00	126.6	32.2	122.24		
	28.00	127.8	33.4	122.28		
	29.00	142.0	47.6	122.35		
	30.00	131.5	37.1	122.44		
	31.00	133.0	38.6	122.53		
	32.00	135.5	41.0	122.62		
	33.00	135.3	40.9	122.72		
	34.00	137.3	42.9	122.81		
	35.00	138.3	43.9	122.91		
	36.00	140.2	45.7	123.01		
	37.00	143.0	48.6	123.12		
	38.00	193.2	98.8	123.26		
	39.00	150.5	56.1	123.44		
	40.00	168.7	74.3	123.62		
	41.00	231.5	137.1	123.75		
	42.00	179.9	85.5	123.83		
	43.00	233.9	139.5	123.89		
	44.00	171.5	77.1	123.93		
	45.00	243.5	149.1	123.95		
	46.00	263.9	169.5	124.00		
	47.00	212.9	118.5	124.04		
	48.00	201.5	107.1	124.09		
	49.00	202.0	107.6	124.13		
	50.00	167.8	73.4	124.16		
	51.00	221.3	126.9	124.21		
	52.00	156.4	62.0	124.30		
	53.00	158.0	63.6	124.40		
	54.00	170.3	75.9	124.49		
	55.00	159.6	65.2	124.62		
	56.00	176.4	82.0	124.77		
***** End Flow 2	57.00	162.2	67.8	124.90		
***** Start Shutin 2	0.00	162.2	0.0	124.90	0.0000	0.026
	1.00	207.3	45.1	125.00	90.0000	0.043

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10491 DST #3 K.U.Endowment I #1 Pickrell Drlg.Co.Inc.

DATE: 11/16/97

TIME: 12:30:16

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
2.00	209.1	46.9	125.05	45.5000	0.044
3.00	318.2	156.0	125.10	30.6667	0.101
4.00	461.7	299.5	125.17	23.2500	0.213
5.00	600.7	438.4	125.25	18.8000	0.361
6.00	707.0	544.8	125.32	15.8333	0.500
7.00	779.8	617.5	125.39	13.7143	0.608
8.00	828.6	666.4	125.44	12.1250	0.687
9.00	862.4	700.2	125.49	10.8889	0.744
10.00	886.6	724.4	125.53	9.9000	0.786
11.00	904.8	742.6	125.56	9.0909	0.819
12.00	919.0	756.8	125.58	8.4167	0.845
13.00	930.2	768.0	125.60	7.8462	0.865
14.00	939.6	777.4	125.62	7.3571	0.883
15.00	947.5	785.3	125.61	6.9333	0.898
16.00	954.3	792.0	125.62	6.5625	0.911
17.00	960.1	797.9	125.63	6.2353	0.922
18.00	965.3	803.1	125.61	5.9444	0.932
19.00	969.9	807.7	125.62	5.6842	0.941
20.00	974.1	811.8	125.64	5.4500	0.949
21.00	978.1	815.9	125.62	5.2381	0.957
22.00	981.8	819.6	125.62	5.0455	0.964
23.00	985.2	823.0	125.63	4.8696	0.971
24.00	988.6	826.4	125.63	4.7083	0.977
25.00	991.5	829.3	125.62	4.5600	0.983
26.00	994.2	832.0	125.63	4.4231	0.988
27.00	996.6	834.4	125.63	4.2963	0.993
28.00	998.9	836.7	125.64	4.1786	0.998
29.00	1001.1	838.9	125.65	4.0690	1.002
30.00	1003.0	840.8	125.65	3.9667	1.006
31.00	1004.9	842.6	125.65	3.8710	1.010
32.00	1006.6	844.4	125.66	3.7812	1.013
33.00	1008.2	846.0	125.69	3.6970	1.017
34.00	1009.7	847.5	125.69	3.6176	1.020
35.00	1011.2	849.0	125.70	3.5429	1.023
36.00	1012.4	850.2	125.71	3.4722	1.025
37.00	1013.8	851.5	125.72	3.4054	1.028
38.00	1014.9	852.7	125.73	3.3421	1.030
39.00	1016.2	854.0	125.75	3.2821	1.033
40.00	1017.4	855.1	125.76	3.2250	1.035
41.00	1018.4	856.1	125.78	3.1707	1.037
42.00	1019.4	857.2	125.79	3.1190	1.039
43.00	1020.4	858.2	125.81	3.0698	1.041
44.00	1021.3	859.1	125.83	3.0227	1.043
45.00	1022.1	859.9	125.84	2.9778	1.045
46.00	1023.0	860.8	125.86	2.9348	1.047
47.00	1023.8	861.6	125.88	2.8936	1.048
48.00	1024.7	862.4	125.90	2.8542	1.050
49.00	1025.3	863.1	125.92	2.8163	1.051
50.00	1026.0	863.8	125.93	2.7800	1.053
51.00	1026.8	864.5	125.96	2.7451	1.054
52.00	1027.4	865.2	125.97	2.7115	1.056

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

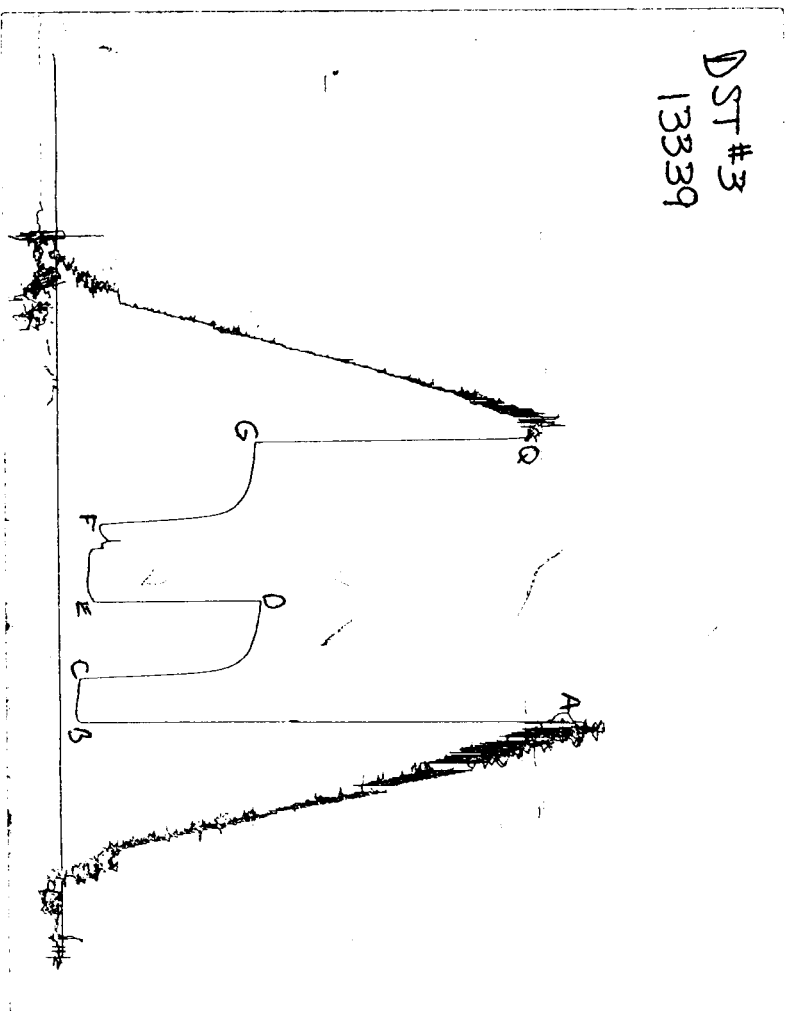
TEST: 10491 DST #3 K.U.Endowment I #1 Pickrell Drlg.Co.Inc.

DATE: 11/16/97 TIME: 12:30:16

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	53.00	1028.1	865.9	126.00	2.6792	1.057
	54.00	1028.8	866.6	126.03	2.6481	1.058
	55.00	1029.4	867.1	126.04	2.6182	1.060
	56.00	1030.0	867.8	126.07	2.5893	1.061
	57.00	1030.7	868.5	126.08	2.5614	1.062
	58.00	1031.3	869.1	126.10	2.5345	1.064
	59.00	1031.8	869.6	126.13	2.5085	1.065
	60.00	1032.3	870.1	126.15	2.4833	1.066
	61.00	1032.7	870.5	126.18	2.4590	1.067
***** End Shut-in 2	62.00	1033.3	871.1	126.19	2.4355	1.068
***** Final Hydro.	371.00	2465.6	0.0	126.40		

CHART PAGE

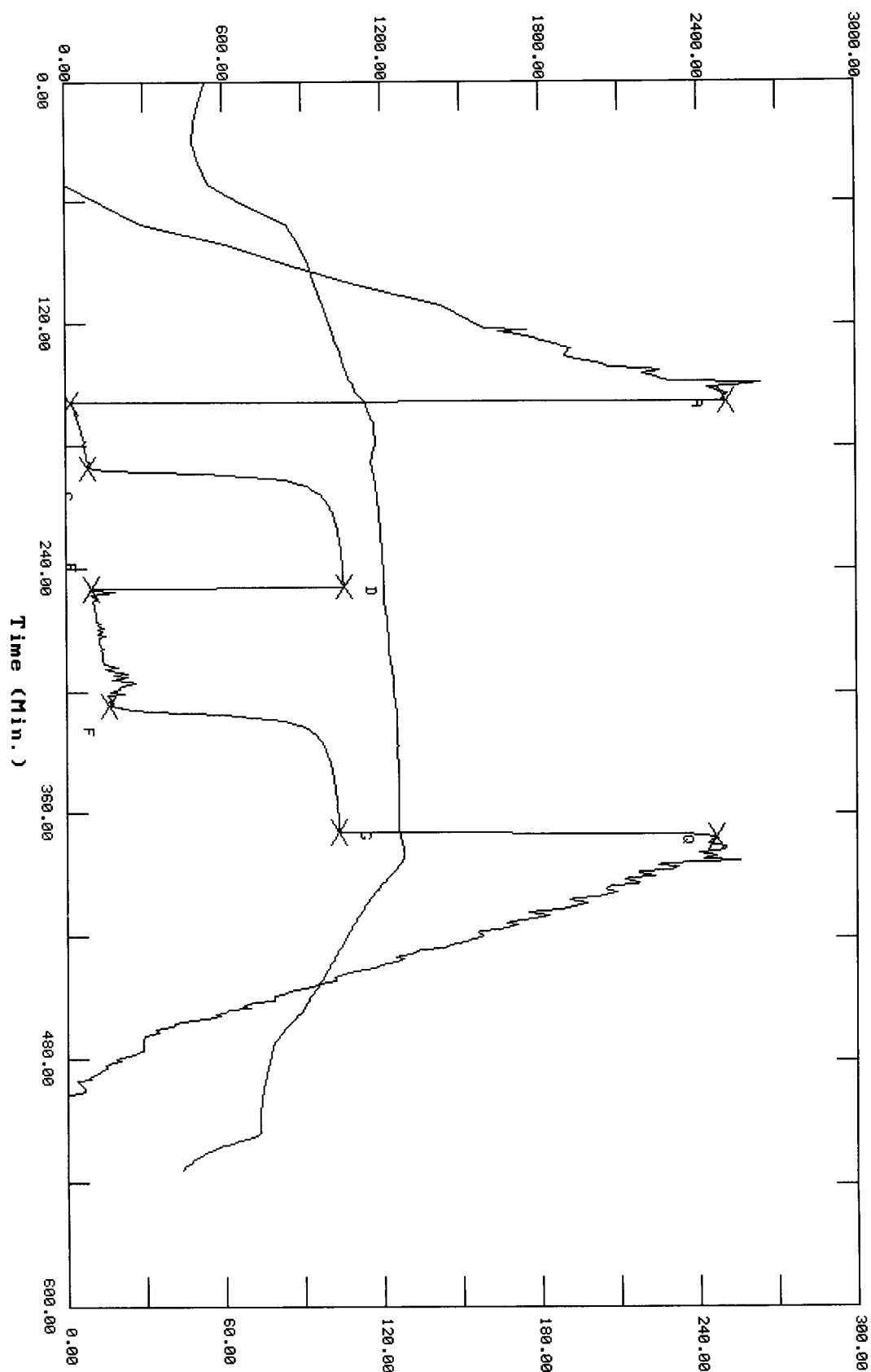
DST #3
13339



This is a photocopy of the actual AK-1 recorder chart

TEST HISTORY

10491 DST #3 K.U.Endowment I #1 Pickrell Drlg.Co.Inc.



Flag Points
t(min.) P(PSIg)

R: 0.00 2510.02
B: 0.00 18.54
C: 32.00 83.75
D: 56.00 1053.45
E: 0.00 94.41
F: 57.00 162.22
G: 62.00 1003.31
H: 0.00 2465.62

Pressure (PSIg)

Temperature (DEG F)

Time (Min.)