WELL NAME: Schaben #6-19
COMPANY: Grand Mesa Operating Co.
LOCATION: Sec. 19 Twp. 17s Rge. 24w
Ness County Kansas
DATE: 11-15-96

TRILOBITE TESTING L.L.C.

OPERATOR : Grand Mesa Operating Co.
WELL NAME: Schaben #6-19
LOCATION : 19-17s-24w Ness KS.
INTERVAL : 4283.00 To 4350.00 ft

DATE 11-12-96
KB 2388.00 ft
GR 2383.00 ft
TD 4350.00 ft
TICKET NO: 9563 DST #1
FORMATION: Mississippian
TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4
PF 45	Rec.	13339	13339	2341		
SI 60	Range(Psi)	4000.0	4000.0	4995.0	0.0	0.0
SF 45	Clock(hrs)	12 HR	12 HR	elec.		
FS 60	Depth(ft)	4345.0	4345.0	4285.0	0.0	0.0

TIME DATA----------
PF Fr. 1847 to 1932 hr
IS Fr. 1932 to 2032 hr
SF Fr. 2032 to 2117 hr
FS Fr. 2117 to 2217 hr

	Field	1	2	3	4
A. Init Hydro	2213.0	2232.0	2158.0	0.0	0.0
B. First Flow	135.0	125.0	43.0	0.0	0.0
B1. Final Flow	176.0	173.0	137.0	0.0	0.0
C. In Shut-in	849.0	84.0	816.0	0.0	0.0
D. Init Flow	218.0	215.0	146.0	0.0	0.0
E. Final Flow	218.0	208.0	161.0	0.0	0.0
F. Fl Shut-in	729.0	715.0	705.0	0.0	0.0
G. Final Hydro	2143.0	2125.0	2120.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 1705 hr
T ON BOTM 1845 hr
T OPEN 1847 hr
T PULLED 2217 hr
T OUT 0015 hr

RECOVERY
Tot Fluid 338.00 ft of 248.00 ft in DC and 90.00 ft in DP
60.00 ft of Gas in pipe
90.00 ft of Slightly gas oil cut mud 10%g 15%o 75%m
248.00 ft of Gassy oil cut mud 25%g 25%o 50%m
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 38.00

TOOL DATA----------

Tool Wt.	1800.00 lbs
Wt Set On Packer	28000.00 lbs
Wt Pulled Loose	70000.00 lbs
Initial Str Wt	58000.00 lbs
Unseated Str Wt	60000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	248.00 ft
D.P. Length	4045.00 ft
H.W. I.D	2.70 in

BLOW DESCRIPTION

IF: Surface blow built to 4" @ 25 mins decreased to 3"

ISI: No return blow

FF: Weak return stayed steady @ 1/4" throughout

FSI: No return blow

MUD DATA----------

Mud Type	Chemical
Weight	9.40 lb/c
Vis.	46.00 S/L
W.L.	9.20 in3
F.C.	0.00 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	116.00 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.	Larry Friend
Contr.	Mallard
Rig #	2
Unit #	
Pump T.	

SAMPLES:
SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

'ELL NAME: Schaben #6-19

.OCATION : 19-17s-24w Ness KS.

'ICKET No. 9563 D.S.T. No. 1 DATE 11-12-96

'OTAL TOOL TO BOTTOM OF TOP PACKERS 20

:NTERVAL TOOL 36

3OTTOM PACKERS AND ANCHOR .....

'OTAL TOOL 56

)RILL COLLAR ANCHOR IN INTERVAL .....

).C. ANCHOR STND.Stands Single Total

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

TOTAL ASSEMBLY 87

).C. ABOVE TOOLS.Stands4 Single Total 248

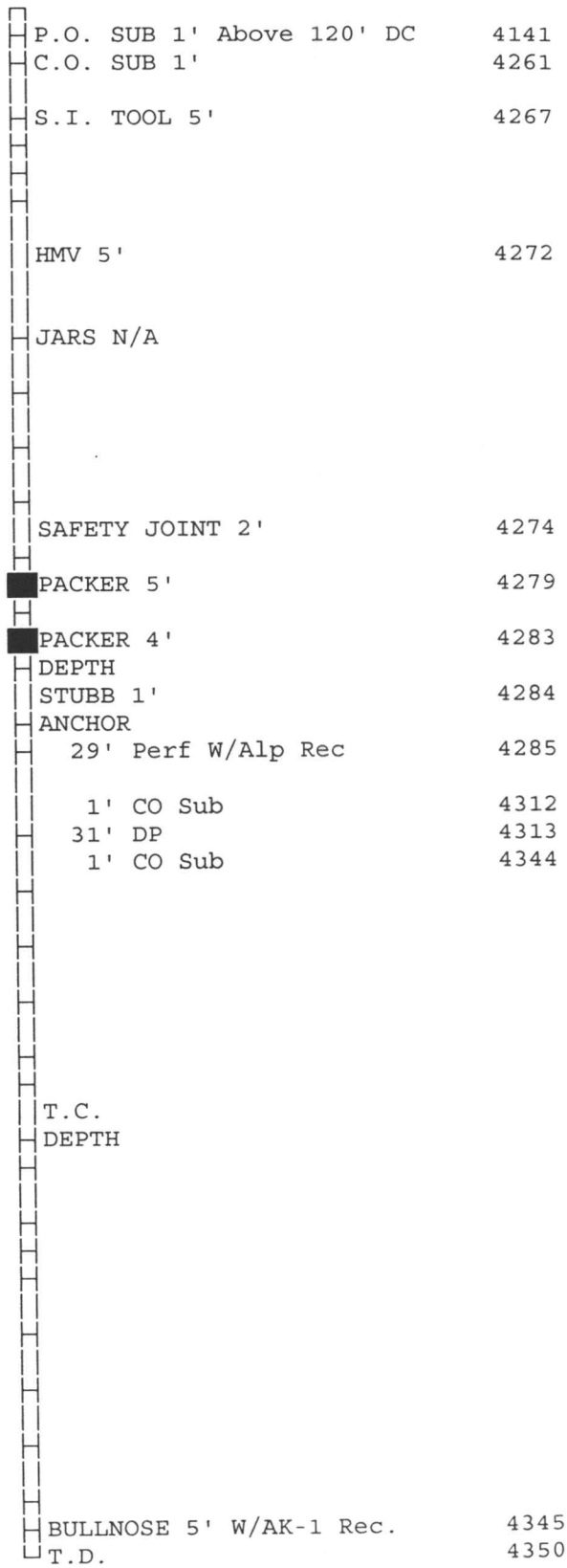
).P. ABOVE TOOLS.Stands64 Single 1 Total 4045

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4380

TOTAL DEPTH 4350

TOTAL DRILL PIPE ABOVE K.B. 30

REMARKS:



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9563 DST #1 Schaben #6-19 Grand Mesa Oper.

DATE: 11/12/96 TIME: 17:05:21

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	101.00	2158.2	0.0	106.95		
****** Start Flow 1	0.00	43.3	0.0	107.00		
	1.00	54.2	10.9	107.12		
	2.00	63.2	19.9	107.27		
	3.00	69.6	26.3	107.48		
	4.00	73.6	30.3	107.74		
	5.00	78.2	34.9	108.03		
	6.00	81.5	38.2	108.29		
	7.00	85.1	41.8	108.53		
	8.00	88.9	45.6	108.72		
	9.00	92.3	49.0	108.87		
	10.00	95.5	52.2	108.99		
	11.00	98.6	55.2	109.06		
	12.00	101.2	57.9	109.14		
	13.00	103.6	60.3	109.19		
	14.00	106.0	62.7	109.24		
	15.00	108.7	65.4	109.28		
	16.00	111.2	67.9	109.36		
	17.00	113.5	70.2	109.51		
	18.00	115.5	72.2	109.75		
	19.00	117.6	74.3	110.03		
	20.00	119.9	76.6	110.32		
	21.00	122.0	78.7	110.58		
	22.00	124.1	80.8	110.84		
	23.00	126.1	82.7	111.08		
	24.00	127.3	84.0	111.30		
	25.00	128.0	84.6	111.47		
	26.00	128.7	85.4	111.66		
	27.00	129.2	85.9	111.81		
	28.00	129.7	86.4	111.98		
	29.00	130.4	87.1	112.15		
	30.00	131.0	87.6	112.33		
	31.00	131.7	88.4	112.52		
	32.00	132.3	89.0	112.71		
	33.00	132.9	89.6	112.89		
	34.00	131.0	87.7	113.04		
	35.00	131.6	88.2	113.15		
	36.00	132.1	88.7	113.29		
	37.00	132.5	89.2	113.42		
	38.00	133.1	89.8	113.54		
	39.00	133.6	90.3	113.65		
	40.00	134.2	90.9	113.73		
	41.00	134.8	91.4	113.79		
	42.00	135.5	92.2	113.82		
	43.00	136.2	92.9	113.87		
	44.00	136.8	93.5	113.87		
****** End Flow 1	45.00	137.3	93.9	113.90		
****** Start Shutin 1	0.00	137.3	0.0	113.90	0.0000	0.019
	1.00	159.5	22.2	113.91	46.0000	0.025
	2.00	285.4	148.2	113.93	23.5000	0.081
	3.00	339.0	201.7	113.92	16.0000	0.115

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9563 DST #1 Schaben #6-19 Grand Mesa Oper.

DATE: 11/12/96 TIME: 17:05:21

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
4.00	378.6	241.4	113.91	12.2500	0.143
5.00	414.3	277.1	113.88	10.0000	0.172
6.00	444.4	307.2	113.87	8.5000	0.198
7.00	469.4	332.2	113.84	7.4286	0.220
8.00	491.5	354.2	113.82	6.6250	0.242
9.00	510.9	373.6	113.79	6.0000	0.261
10.00	528.5	391.2	113.77	5.5000	0.279
11.00	544.1	406.9	113.74	5.0909	0.296
12.00	558.3	421.1	113.72	4.7500	0.312
13.00	571.2	433.9	113.70	4.4615	0.326
14.00	583.8	446.6	113.67	4.2143	0.341
15.00	595.3	458.0	113.64	4.0000	0.354
16.00	606.0	468.7	113.62	3.8125	0.367
17.00	616.0	478.7	113.59	3.6471	0.379
18.00	624.6	487.4	113.56	3.5000	0.390
19.00	634.1	496.9	113.54	3.3684	0.402
20.00	642.8	505.5	113.52	3.2500	0.413
21.00	650.9	513.7	113.50	3.1429	0.424
22.00	658.4	521.2	113.47	3.0455	0.434
23.00	665.4	528.2	113.45	2.9565	0.443
24.00	672.2	535.0	113.43	2.8750	0.452
25.00	679.0	541.7	113.41	2.8000	0.461
26.00	685.6	548.4	113.39	2.7308	0.470
27.00	691.9	554.7	113.38	2.6667	0.479
28.00	698.0	560.7	113.36	2.6071	0.487
29.00	703.8	566.5	113.35	2.5517	0.495
30.00	709.3	572.0	113.33	2.5000	0.503
31.00	714.6	577.4	113.33	2.4516	0.511
32.00	719.9	582.6	113.32	2.4062	0.518
33.00	724.9	587.6	113.30	2.3636	0.525
34.00	729.3	592.0	113.29	2.3235	0.532
35.00	734.4	597.1	113.27	2.2857	0.539
36.00	739.1	601.8	113.29	2.2500	0.546
37.00	743.7	606.4	113.27	2.2162	0.553
38.00	748.0	610.8	113.27	2.1842	0.560
39.00	752.2	615.0	113.27	2.1538	0.566
40.00	756.5	619.2	113.26	2.1250	0.572
41.00	760.4	623.1	113.26	2.0976	0.578
42.00	764.3	627.1	113.25	2.0714	0.584
43.00	768.2	630.9	113.25	2.0465	0.590
44.00	771.8	634.5	113.26	2.0227	0.596
45.00	775.4	638.1	113.26	2.0000	0.601
46.00	778.9	641.6	113.25	1.9783	0.607
47.00	782.3	645.0	113.26	1.9574	0.612
48.00	785.8	648.5	113.26	1.9375	0.617
49.00	789.0	651.7	113.27	1.9184	0.623
50.00	792.2	655.0	113.27	1.9000	0.628
51.00	795.3	658.1	113.29	1.8824	0.633
52.00	798.6	661.4	113.28	1.8654	0.638
53.00	801.6	664.4	113.29	1.8491	0.643
54.00	804.5	667.3	113.29	1.8333	0.647

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9563 DST #1 Schaben #6-19 Grand Mesa Oper.

DATE: 11/12/96 TIME: 17:05:21

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	55.00	807.6	670.3	113.31	1.8182	0.652
	56.00	810.4	673.1	113.31	1.8036	0.657
	57.00	813.3	676.0	113.33	1.7895	0.661
	58.00	816.1	678.8	113.34	1.7759	0.666
	59.00	818.8	681.6	113.34	1.7627	0.670
****** End Shut-in 1	60.00	816.6	679.4	113.35	1.7500	0.667
****** Start Flow 2	0.00	146.8	0.0	113.32		
	1.00	147.5	0.7	113.27		
	2.00	148.1	1.3	113.28		
	3.00	148.6	1.8	113.38		
	4.00	149.3	2.5	113.52		
	5.00	149.9	3.1	113.67		
	6.00	150.4	3.6	113.84		
	7.00	151.0	4.2	114.03		
	8.00	151.7	4.9	114.24		
	9.00	152.3	5.4	114.45		
	10.00	153.0	6.2	114.63		
	11.00	153.5	6.7	114.78		
	12.00	154.1	7.3	114.90		
	13.00	154.6	7.8	114.99		
	14.00	155.0	8.1	115.04		
	15.00	155.3	8.5	115.07		
	16.00	155.6	8.8	115.09		
	17.00	155.9	9.1	115.10		
	18.00	156.2	9.4	115.11		
	19.00	156.4	9.5	115.10		
	20.00	156.6	9.8	115.10		
	21.00	156.9	10.1	115.08		
	22.00	157.2	10.4	115.07		
	23.00	157.4	10.6	115.06		
	24.00	157.7	10.9	115.04		
	25.00	157.9	11.1	115.02		
	26.00	158.0	11.2	115.01		
	27.00	158.2	11.4	114.99		
	28.00	158.4	11.6	114.98		
	29.00	158.8	12.0	114.96		
	30.00	158.7	11.9	114.95		
	31.00	158.8	12.0	114.94		
	32.00	158.8	12.0	114.93		
	33.00	159.1	12.3	114.92		
	34.00	159.3	12.5	114.92		
	35.00	159.5	12.7	114.91		
	36.00	159.8	13.0	114.90		
	37.00	160.0	13.2	114.89		
	38.00	160.2	13.4	114.89		
	39.00	160.8	14.0	114.89		
	40.00	160.9	14.1	114.89		
	41.00	161.3	14.5	114.89		
	42.00	161.4	14.6	114.90		
	43.00	161.8	15.0	114.88		
****** End Flow 2	44.00	161.9	15.1	114.89		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9563 DST #1 Schaben #6-19 Grand Mesa Oper.

DATE: 11/12/96 TIME: 17:05:21

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Start Shutin 2	0.00	161.9	0.0	114.89	0.0000	0.026
	1.00	258.9	97.0	114.90	90.0000	0.067
	2.00	302.7	140.7	114.92	45.5000	0.092
	3.00	336.8	174.8	114.95	30.6667	0.113
	4.00	364.9	203.0	115.06	23.2500	0.133
	5.00	387.6	225.6	115.21	18.8000	0.150
	6.00	406.8	244.8	115.37	15.8333	0.165
	7.00	423.5	261.6	115.53	13.7143	0.179
	8.00	438.5	276.5	115.69	12.1250	0.192
	9.00	452.1	290.1	115.83	10.8889	0.204
	10.00	464.5	302.6	115.92	9.9000	0.216
	11.00	475.8	313.9	116.02	9.0909	0.226
	12.00	486.4	324.5	116.10	8.4167	0.237
	13.00	496.3	334.3	116.16	7.8462	0.246
	14.00	505.3	343.4	116.21	7.3571	0.255
	15.00	513.8	351.9	116.27	6.9333	0.264
	16.00	521.7	359.7	116.29	6.5625	0.272
	17.00	529.2	367.2	116.34	6.2353	0.280
	18.00	536.2	374.3	116.33	5.9444	0.288
	19.00	542.8	380.9	116.37	5.6842	0.295
	20.00	549.4	387.5	116.35	5.4500	0.302
	21.00	555.7	393.7	116.36	5.2381	0.309
	22.00	561.7	399.7	116.38	5.0455	0.315
	23.00	567.5	405.6	116.35	4.8696	0.322
	24.00	573.2	411.2	116.34	4.7083	0.329
	25.00	578.6	416.7	116.32	4.5600	0.335
	26.00	583.9	421.9	116.31	4.4231	0.341
	27.00	589.0	427.0	116.28	4.2963	0.347
	28.00	594.0	432.0	116.30	4.1786	0.353
	29.00	598.8	436.8	116.26	4.0690	0.359
	30.00	603.5	441.5	116.27	3.9667	0.364
	31.00	608.1	446.2	116.27	3.8710	0.370
	32.00	612.6	450.6	116.25	3.7812	0.375
	33.00	617.0	455.1	116.25	3.6970	0.381
	34.00	621.3	459.4	116.25	3.6176	0.386
	35.00	625.6	463.6	116.23	3.5429	0.391
	36.00	629.6	467.7	116.24	3.4722	0.396
	37.00	633.7	471.8	116.22	3.4054	0.402
	38.00	637.6	475.7	116.23	3.3421	0.407
	39.00	641.5	479.5	116.21	3.2821	0.411
	40.00	645.2	483.3	116.23	3.2250	0.416
	41.00	648.9	486.9	116.24	3.1707	0.421
	42.00	652.6	490.6	116.22	3.1190	0.426
	43.00	656.3	494.4	116.23	3.0698	0.431
	44.00	660.1	498.2	116.23	3.0227	0.436
	45.00	663.8	501.9	116.23	2.9778	0.441
	46.00	667.3	505.3	116.25	2.9348	0.445
	47.00	670.6	508.7	116.24	2.8936	0.450
	48.00	674.1	512.2	116.26	2.8542	0.454
	49.00	677.3	515.3	116.25	2.8163	0.459
	50.00	680.4	518.4	116.25	2.7800	0.463

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9563 DST #1 Schaben #6-19 Grand Mesa Oper.

DATE: 11/12/96 TIME: 17:05:21

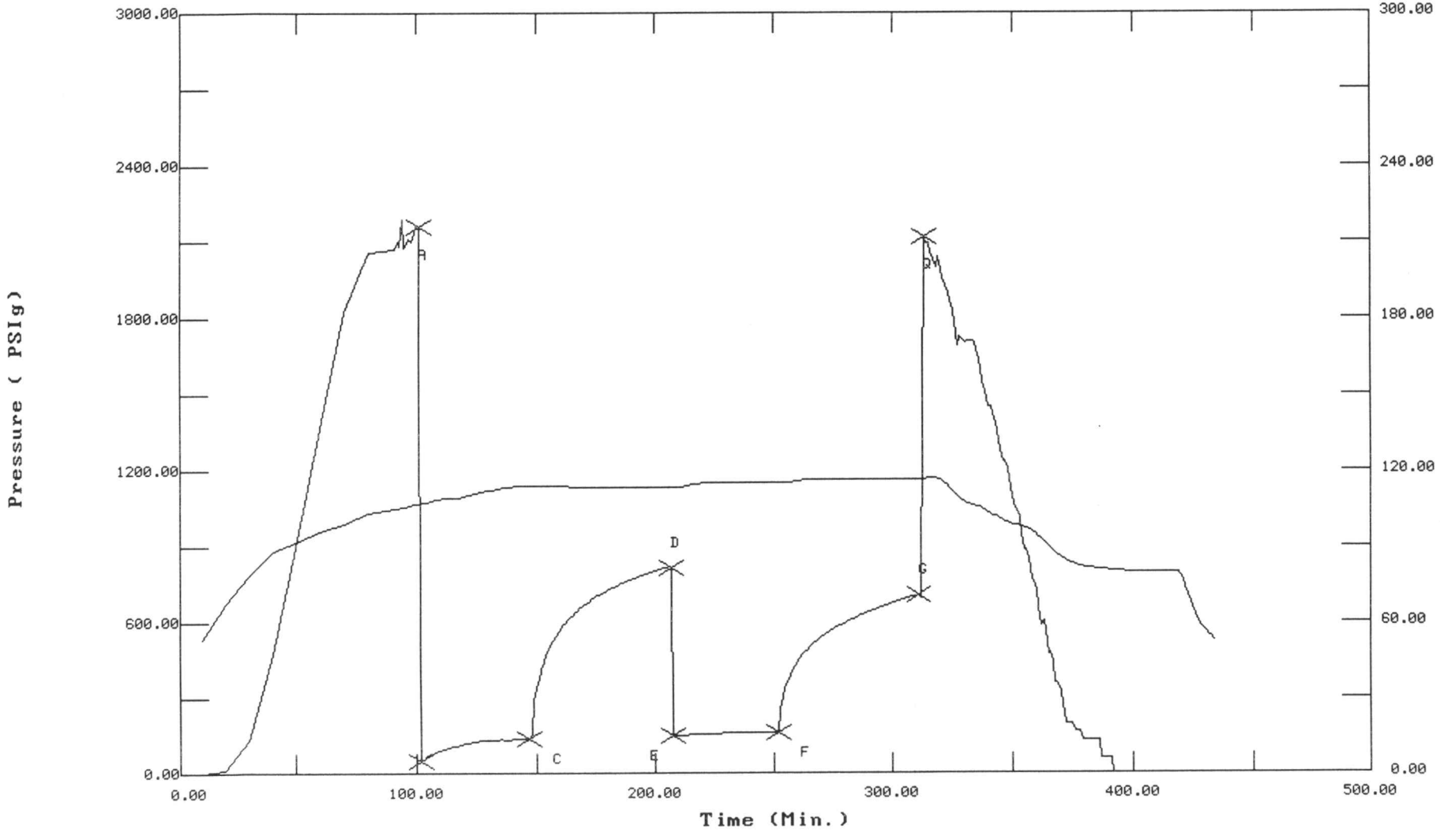
	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	51.00	683.4	521.5	116.27	2.7451	0.467
	52.00	686.4	524.4	116.26	2.7115	0.471
	53.00	689.2	527.3	116.28	2.6792	0.475
	54.00	692.1	530.2	116.28	2.6481	0.479
	55.00	694.8	532.9	116.29	2.6182	0.483
	56.00	697.6	535.7	116.32	2.5893	0.487
	57.00	700.5	538.5	116.30	2.5614	0.491
	58.00	703.2	541.3	116.32	2.5345	0.495
****** End Shut-in 2	59.00	705.8	543.9	116.33	2.5085	0.498
****** Final Hydro.	313.00	2120.8	0.0	116.50		

TEST HISTORY

9563 DST #1 Schaben #6-19 Grand Mesa Oper.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2158.15
B:	0.00	43.31
C:	45.00	137.26
D:	60.00	816.61
E:	0.00	146.81
F:	44.00	161.94
G:	59.00	705.84
Q:	0.00	2120.84



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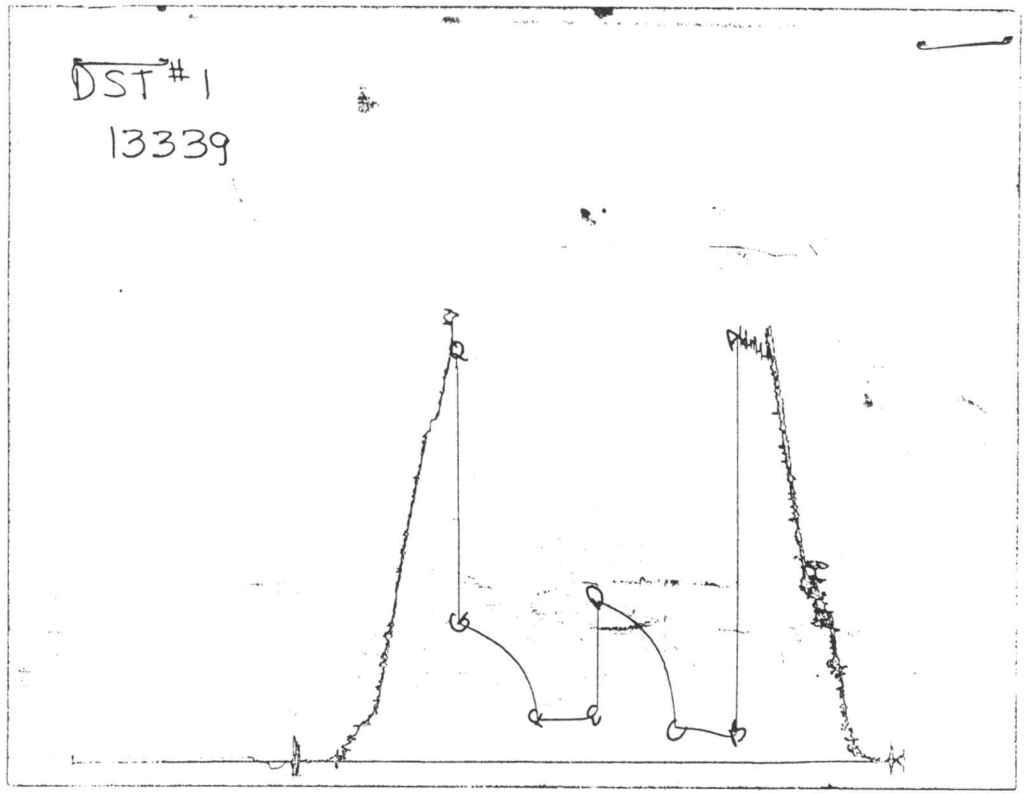


This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

OPERATOR : Grand Mesa Operating Co.
WELL NAME: Schaben #6-19
LOCATION : 19-17s-24w Ness KS.
INTERVAL : 4341.00 To 4358.00 ft

DATE 11-13-96
KB 2388.00 ft TICKET NO: 9564 DST #2
GR 2383.00 ft FORMATION: Mississippian
TD 4358.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4
PF 45	Rec.	13339	13339	2341		
SI 60	Range(Psi)	4000.0	4000.0	4995.0	0.0	0.0
SF 45	Clock(hrs)	12 HR	12 HR	elec.		
FS 60	Depth(ft)	4353.0	4353.0	4343.0	0.0	0.0

TIME DATA----------
PF Fr. 0854 to 0938 hr
IS Fr. 0938 to 1038 hr
SF Fr. 1038 to 1123 hr
FS Fr. 1123 to 1223 hr

	Field	1	2	3	4
A. Init Hydro	2183.0	2195.0	2191.0	0.0	0.0
B. First Flow	52.0	64.0	36.0	0.0	0.0
B1. Final Flow	104.0	112.0	123.0	0.0	0.0
C. In Shut-in	829.0	836.0	873.0	0.0	0.0
D. Init Flow	135.0	158.0	131.0	0.0	0.0
E. Final Flow	145.0	158.0	161.0	0.0	0.0
F. Fl Shut-in	799.0	780.0	824.0	0.0	0.0
G. Final Hydro	2153.0	2152.0	2161.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 0712 hr
T ON BOTM 0852 hr
T OPEN 0854 hr
T PULLED 1223 hr
T OUT 1430 hr

RECOVERY
Tot Fluid 340.00 ft of 216.00 ft in DC and 124.00 ft in DP
60.00 ft of Free Oil 5% gas 95% oil
90.00 ft of Gassy oil cut mud 5% gas 15% oil 80% mud
60.00 ft of Gassy oil cut muddy water %5g 10%o 45%w 40%m
120.00 ft of Muddy water 85% water 15% mud
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of RW .24 @ 70 Deg. =
SALINITY 30000.00 P.P.M. A.P.I. Gravity 35.80

TOOL DATA----------

Tool Wt.	1800.00 lbs
Wt Set On Packer	28000.00 lbs
Wt Pulled Loose	70000.00 lbs
Initial Str Wt	58000.00 lbs
Unseated Str Wt	60000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	216.00 ft
D.P. Length	4137.00 ft
H.W. I.D	2.70 in

BLOW DESCRIPTION

IF: Weak surface blow built to 5"

ISI: No return blow

FF: Surface return stayed steady @ 1/4" throughtout

FSI: No return blow

MUD DATA----------

Mud Type	Chemical
Weight	9.40 lb/c
Vis.	46.00 S/L
W.L.	9.20 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.	Larry Friend
Contr.	Mallard
Rig #	2
Unit #	
Pump T.	

SAMPLES:
SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Schaben #6-19

LOCATION : 19-17s-24w Ness KS.

TICKET No. 9564 D.S.T. No. 2 DATE 11-13-96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL 17

BOTTOM PACKERS AND ANCHOR .....

TOTAL TOOL 37

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 37

D.C. ABOVE TOOLS.Stands3 Single 1 Total 216

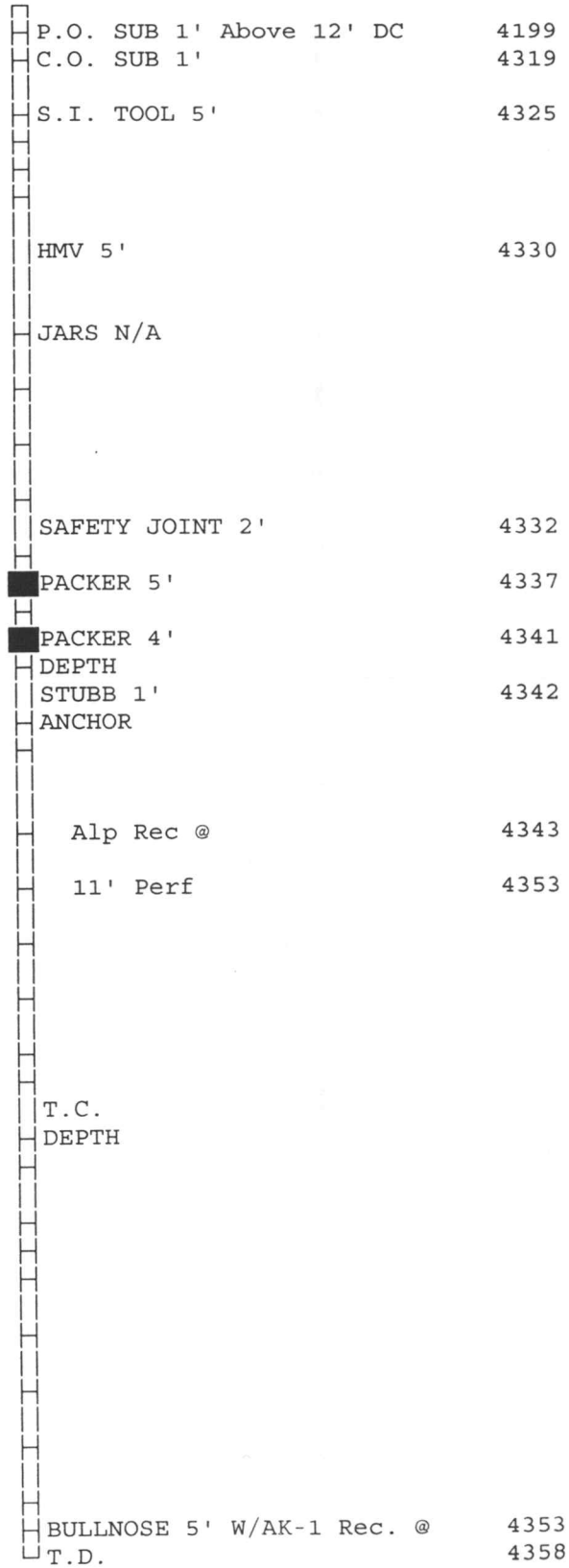
D.P. ABOVE TOOLS.Stands66 Single 1 Total 4137

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4390

TOTAL DEPTH 4358

TOTAL DRILL PIPE ABOVE K.B. 32

REMARKS:



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9564 DST #2 Schaben #6-19 Grand Mesa Oper. Co.

DATE: 11/13/96 TIME: 07:12:26

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	101.00	2191.7	0.0	102.84		
****** Start Flow 1	0.00	36.5	0.0	102.65		
	1.00	45.2	8.8	102.57		
	2.00	51.8	15.3	102.59		
	3.00	57.2	20.8	102.69		
	4.00	61.3	24.9	102.86		
	5.00	65.5	29.0	103.11		
	6.00	69.3	32.9	103.39		
	7.00	73.5	37.1	103.71		
	8.00	77.1	40.6	104.05		
	9.00	80.3	43.8	104.43		
	10.00	83.6	47.1	104.73		
	11.00	86.8	50.3	105.03		
	12.00	89.9	53.5	105.29		
	13.00	92.7	56.2	105.54		
	14.00	95.8	59.3	105.81		
	15.00	98.9	62.4	106.15		
	16.00	101.6	65.2	106.60		
	17.00	104.0	67.5	107.11		
	18.00	105.1	68.6	107.65		
	19.00	106.0	69.5	108.18		
	20.00	106.8	70.3	108.65		
	21.00	107.4	71.0	109.09		
	22.00	108.0	71.6	109.45		
	23.00	108.7	72.3	109.78		
	24.00	109.4	73.0	110.08		
	25.00	109.9	73.5	110.37		
	26.00	111.0	74.5	110.65		
	27.00	112.2	75.7	110.92		
	28.00	113.5	77.1	111.19		
	29.00	114.3	77.9	111.44		
	30.00	115.1	78.6	111.68		
	31.00	115.7	79.3	111.93		
	32.00	116.4	80.0	112.17		
	33.00	117.2	80.8	112.41		
	34.00	118.0	81.5	112.66		
	35.00	118.6	82.2	112.90		
	36.00	116.9	80.5	113.10		
	37.00	117.7	81.2	113.27		
	38.00	118.4	81.9	113.49		
	39.00	119.0	82.5	113.68		
	40.00	119.7	83.3	113.89		
	41.00	120.4	84.0	114.08		
	42.00	121.1	84.7	114.25		
	43.00	121.9	85.5	114.42		
	44.00	122.7	86.2	114.58		
****** End Flow 1	45.00	123.1	86.7	114.74		
****** Start Shutin 1	0.00	123.1	0.0	114.74	0.0000	0.015
	1.00	187.8	64.6	114.90	46.0000	0.035
	2.00	287.0	163.9	115.05	23.5000	0.082
	3.00	348.9	225.7	115.20	16.0000	0.122

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9564 DST #2 Schaben #6-19 Grand Mesa Oper. Co.

DATE: 11/13/96 TIME: 07:12:26

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
4.00	387.4	264.3	115.34	12.2500	0.150
5.00	427.5	304.3	115.47	10.0000	0.183
6.00	461.3	338.1	115.57	8.5000	0.213
7.00	487.0	363.9	115.72	7.4286	0.237
8.00	508.9	385.8	115.87	6.6250	0.259
9.00	528.7	405.5	115.99	6.0000	0.280
10.00	546.7	423.5	116.09	5.5000	0.299
11.00	563.1	440.0	116.18	5.0909	0.317
12.00	578.4	455.2	116.28	4.7500	0.335
13.00	592.3	469.2	116.37	4.4615	0.351
14.00	605.6	482.4	116.45	4.2143	0.367
15.00	617.9	494.7	116.52	4.0000	0.382
16.00	629.5	506.3	116.59	3.8125	0.396
17.00	640.3	517.2	116.66	3.6471	0.410
18.00	650.6	527.5	116.72	3.5000	0.423
19.00	660.5	537.3	116.76	3.3684	0.436
20.00	669.8	546.7	116.81	3.2500	0.449
21.00	678.8	555.6	116.87	3.1429	0.461
22.00	687.4	564.2	116.92	3.0455	0.472
23.00	695.5	572.4	116.98	2.9565	0.484
24.00	703.5	580.4	116.99	2.8750	0.495
25.00	711.0	587.9	117.02	2.8000	0.506
26.00	718.3	595.2	117.05	2.7308	0.516
27.00	725.4	602.2	117.09	2.6667	0.526
28.00	732.1	608.9	117.11	2.6071	0.536
29.00	738.6	615.5	117.13	2.5517	0.546
30.00	745.0	621.8	117.17	2.5000	0.555
31.00	751.0	627.9	117.18	2.4516	0.564
32.00	756.9	633.7	117.21	2.4062	0.573
33.00	762.5	639.4	117.23	2.3636	0.581
34.00	768.0	644.9	117.25	2.3235	0.590
35.00	773.3	650.1	117.29	2.2857	0.598
36.00	778.5	655.4	117.34	2.2500	0.606
37.00	783.5	660.4	117.37	2.2162	0.614
38.00	788.4	665.3	117.42	2.1842	0.622
39.00	793.2	670.1	117.46	2.1538	0.629
40.00	797.8	674.7	117.49	2.1250	0.637
41.00	802.3	679.2	117.52	2.0976	0.644
42.00	806.6	683.5	117.53	2.0714	0.651
43.00	810.9	687.8	117.57	2.0465	0.658
44.00	815.1	691.9	117.60	2.0227	0.664
45.00	819.2	696.1	117.62	2.0000	0.671
46.00	823.2	700.1	117.65	1.9783	0.678
47.00	827.1	704.0	117.67	1.9574	0.684
48.00	830.8	707.6	117.69	1.9375	0.690
49.00	834.5	711.4	117.71	1.9184	0.696
50.00	838.1	714.9	117.74	1.9000	0.702
51.00	841.7	718.5	117.76	1.8824	0.708
52.00	845.2	722.0	117.78	1.8654	0.714
53.00	848.5	725.4	117.79	1.8491	0.720
54.00	851.8	728.7	117.82	1.8333	0.726

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9564 DST #2 Schaben #6-19 Grand Mesa Oper. Co.

DATE: 11/13/96 TIME: 07:12:26

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	55.00	855.1	732.0	117.82	1.8182	0.731
	56.00	858.3	735.2	117.85	1.8036	0.737
	57.00	861.5	738.3	117.87	1.7895	0.742
	58.00	864.6	741.4	117.89	1.7759	0.747
	59.00	867.6	744.5	117.90	1.7627	0.753
	60.00	870.6	747.4	117.91	1.7500	0.758
****** End Shut-in 1	61.00	873.5	750.3	117.93	1.7377	0.763
****** Start Flow 2	0.00	131.2	0.0	117.95		
	1.00	133.4	2.2	117.93		
	2.00	134.7	3.5	117.91		
	3.00	135.8	4.6	117.94		
	4.00	136.8	5.6	117.99		
	5.00	137.7	6.5	118.02		
	6.00	138.3	7.1	118.07		
	7.00	138.2	7.1	118.12		
	8.00	138.6	7.5	118.17		
	9.00	139.5	8.3	118.22		
	10.00	140.3	9.2	118.33		
	11.00	140.9	9.7	118.41		
	12.00	141.5	10.4	118.47		
	13.00	142.3	11.1	118.57		
	14.00	143.0	11.8	118.69		
	15.00	143.4	12.3	118.80		
	16.00	143.9	12.7	118.90		
	17.00	144.5	13.4	119.00		
	18.00	145.2	14.1	119.11		
	19.00	146.0	14.8	119.23		
	20.00	146.7	15.5	119.33		
	21.00	147.4	16.2	119.39		
	22.00	148.0	16.9	119.49		
	23.00	148.7	17.5	119.56		
	24.00	149.5	18.3	119.65		
	25.00	150.0	18.8	119.73		
	26.00	150.7	19.6	119.81		
	27.00	151.4	20.2	119.89		
	28.00	152.1	20.9	119.98		
	29.00	152.7	21.5	120.05		
	30.00	153.3	22.1	120.15		
	31.00	153.8	22.7	120.23		
	32.00	154.5	23.4	120.33		
	33.00	155.2	24.1	120.40		
	34.00	155.9	24.7	120.42		
	35.00	156.5	25.3	120.49		
	36.00	157.0	25.8	120.59		
	37.00	157.6	26.5	120.65		
	38.00	158.2	27.1	120.71		
	39.00	158.8	27.6	120.79		
	40.00	159.4	28.2	120.84		
	41.00	159.9	28.8	120.91		
	42.00	160.6	29.4	120.97		
****** End Flow 2	43.00	161.1	29.9	121.04		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9564 DST #2 Schaben #6-19 Grand Mesa Oper. Co.

DATE: 11/13/96 TIME: 07:12:26

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Start Shutin 2	0.00	161.1	0.0	121.04	0.0000	0.026
	1.00	271.1	110.0	121.11	89.0000	0.074
	2.00	358.3	197.2	121.19	45.0000	0.128
	3.00	399.8	238.7	121.28	30.3333	0.160
	4.00	428.6	267.5	121.35	23.0000	0.184
	5.00	451.7	290.6	121.42	18.6000	0.204
	6.00	471.7	310.6	121.49	15.6667	0.222
	7.00	489.7	328.6	121.56	13.5714	0.240
	8.00	505.9	344.9	121.61	12.0000	0.256
	9.00	520.9	359.8	121.65	10.7778	0.271
	10.00	534.8	373.7	121.71	9.8000	0.286
	11.00	547.6	386.5	121.77	9.0000	0.300
	12.00	559.7	398.6	121.82	8.3333	0.313
	13.00	571.0	409.9	121.88	7.7692	0.326
	14.00	581.7	420.6	121.92	7.2857	0.338
	15.00	591.7	430.6	121.99	6.8667	0.350
	16.00	601.2	440.1	122.02	6.5000	0.361
	17.00	610.3	449.2	122.07	6.1765	0.372
	18.00	619.0	457.9	122.12	5.8889	0.383
	19.00	627.3	466.2	122.17	5.6316	0.394
	20.00	635.2	474.1	122.21	5.4000	0.403
	21.00	642.8	481.7	122.24	5.1905	0.413
	22.00	650.0	488.9	122.26	5.0000	0.422
	23.00	656.9	495.8	122.29	4.8261	0.432
	24.00	663.7	502.6	122.31	4.6667	0.440
	25.00	670.2	509.1	122.34	4.5200	0.449
	26.00	676.4	515.3	122.36	4.3846	0.458
	27.00	682.5	521.4	122.38	4.2593	0.466
	28.00	688.3	527.2	122.41	4.1429	0.474
	29.00	694.0	532.9	122.44	4.0345	0.482
	30.00	699.4	538.3	122.45	3.9333	0.489
	31.00	704.8	543.7	122.48	3.8387	0.497
	32.00	710.0	548.9	122.49	3.7500	0.504
	33.00	715.1	554.0	122.51	3.6667	0.511
	34.00	720.0	558.9	122.50	3.5882	0.518
	35.00	724.7	563.6	122.53	3.5143	0.525
	36.00	729.3	568.2	122.54	3.4444	0.532
	37.00	734.0	572.9	122.54	3.3784	0.539
	38.00	738.4	577.3	122.55	3.3158	0.545
	39.00	742.7	581.6	122.56	3.2564	0.552
	40.00	746.9	585.8	122.56	3.2000	0.558
	41.00	751.0	589.9	122.57	3.1463	0.564
	42.00	755.1	594.0	122.58	3.0952	0.570
	43.00	759.1	598.0	122.59	3.0465	0.576
	44.00	762.9	601.8	122.59	3.0000	0.582
	45.00	766.7	605.6	122.60	2.9556	0.588
	46.00	770.4	609.3	122.60	2.9130	0.593
	47.00	774.0	612.9	122.61	2.8723	0.599
	48.00	777.5	616.4	122.62	2.8333	0.605
	49.00	781.0	619.9	122.62	2.7959	0.610
	50.00	784.5	623.4	122.63	2.7600	0.615

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9564 DST #2 Schaben #6-19 Grand Mesa Oper. Co.

DATE: 11/13/96 TIME: 07:12:26

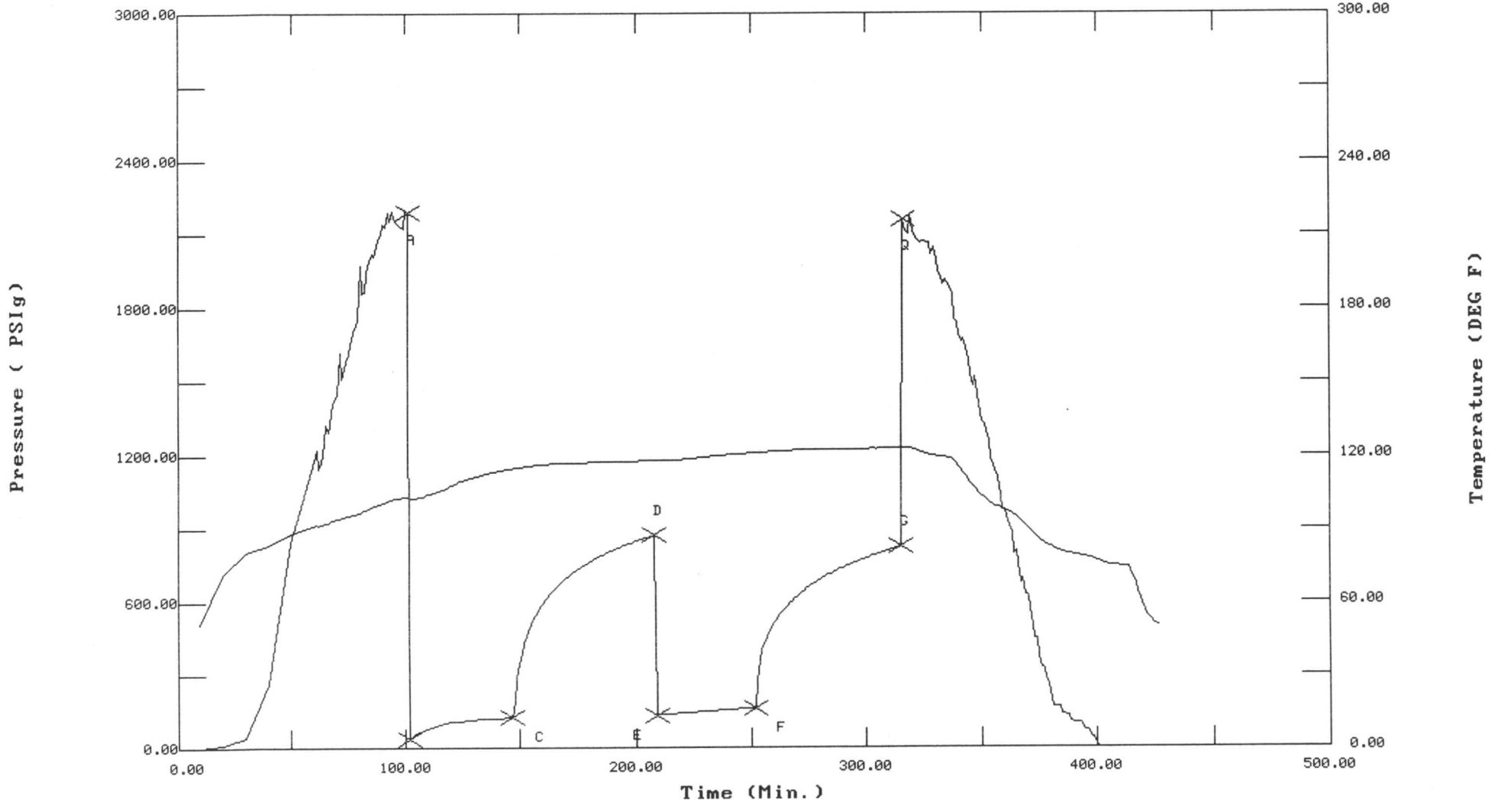
	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	51.00	787.8	626.7	122.63	2.7255	0.621
	52.00	791.1	630.0	122.62	2.6923	0.626
	53.00	794.4	633.3	122.65	2.6604	0.631
	54.00	797.6	636.5	122.65	2.6296	0.636
	55.00	800.7	639.6	122.67	2.6000	0.641
	56.00	803.8	642.7	122.68	2.5714	0.646
	57.00	806.9	645.8	122.68	2.5439	0.651
	58.00	810.0	648.9	122.67	2.5172	0.656
	59.00	812.9	651.8	122.70	2.4915	0.661
	60.00	815.8	654.7	122.70	2.4667	0.666
	61.00	818.6	657.5	122.70	2.4426	0.670
	62.00	821.5	660.4	122.71	2.4194	0.675
****** End Shut-in 2	63.00	824.3	663.2	122.70	2.3968	0.679
****** Final Hydro.	316.00	2161.6	0.0	122.80		

TEST HISTORY

9564 DST #2 Schaben #6-19 Grand Mesa Oper. Co.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2191.74
B:	0.00	36.46
C:	45.00	123.15
D:	61.00	873.47
E:	0.00	131.17
F:	43.00	161.10
G:	63.00	824.30
Q:	0.00	2161.65



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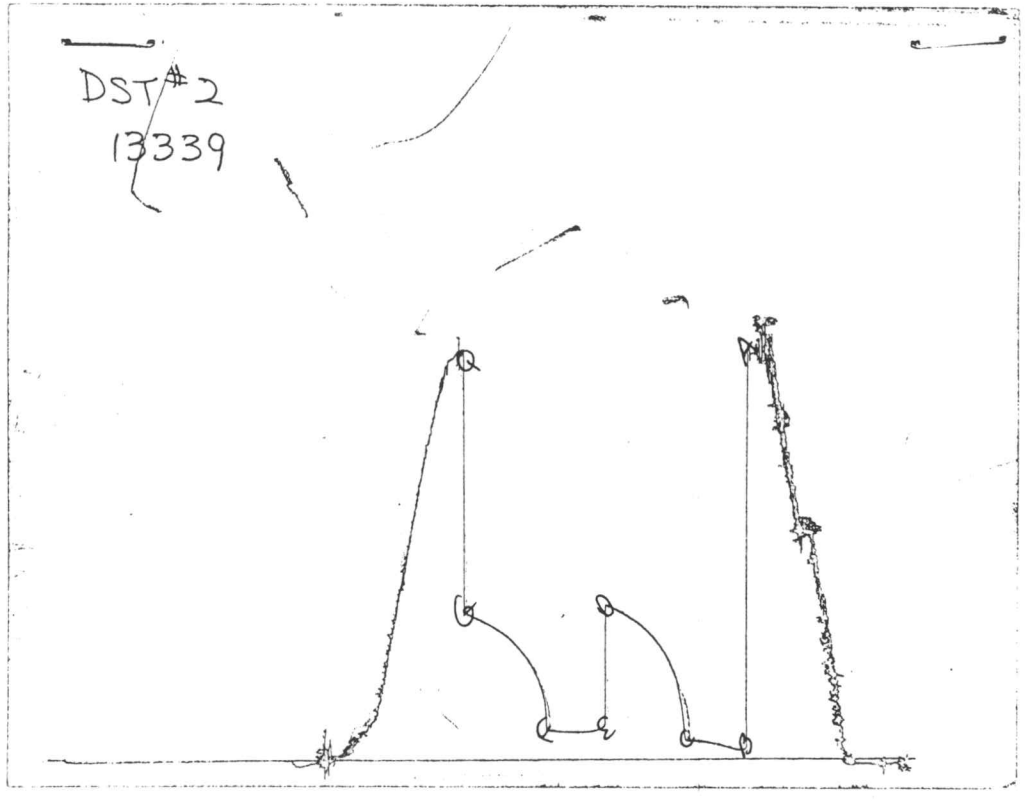

This is a photocopy of the actual AK-1 recorder chart