

WELL NAME: Dirks #1-30
COMPANY: Cross Bar Petroleum Inc
LOCATION: 30-28S-18W
Kiowa County Kansas
DATE: 06/02/97

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Petroleum Inc
WELL NAME: Dirks #1-30
LOCATION : Sec.30 Twp.28s Rge.18w
INTERVAL : 4459.00 To 4493.00 ft

DATE 5/26/97
KB 2296.00 ft TICKET NO: 10013 DST #1
GR 2287.00 ft FORMATION: Lansing
TD 4493.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13849	13849	2350			PF Fr. 2331 to 0001 hr
SI 60 Range(Psi)	4375.0	4375.0	4495.0	0.0	0.0	IS Fr. 0001 to 0101 hr
SF 15 Clock(hrs)	12hr.	12hr.	Elec			SF Fr. 0101 to 0115 hr
FS 0 Depth(ft)	4490.0	4490.0	4465.0	0.0	0.0	FS Fr. pull to tool hr

	Field	1	2	3	4	
A. Init Hydro	2181.0	2236.0	2204.0	0.0	0.0	T STARTED 2110 hr
B. First Flow	89.0	128.0	29.0	0.0	0.0	T ON BOTM 2329 hr
B1. Final Flow	100.0	78.0	52.0	0.0	0.0	T OPEN 2331 hr
C. In Shut-in	1383.0	1388.0	1415.0	0.0	0.0	T PULLED 0115 hr
D. Init Flow	111.0	151.0	55.0	0.0	0.0	T OUT 0345 hr
E. Final Flow	0.0	116.0	0.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2170.0	2141.0	2159.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 105000.00 lbs
						Initial Str Wt 74000.00 lbs
						Unseated Str Wt 74000.00 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 543.00 ft
						D.P. Length 3906.00 ft

RECOVERY

Tot Fluid 65.00 ft of 65.00 ft in DC and 0.00 ft in DP
65.00 ft of Slight Oil Cut Mud
0.00 ft of 1%oil 99%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 1/2"

Initial Shut In:

Bled down for 10 mins, No blow Back

Final Flow:

No blow, Flushed Tool, No blow
Pulled Tool

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.20 lb/c
Vis.	44.00 S/L
W.L.	10.40 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	112.00 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	Darren Amerine
Co. Rep.	Harold Trapp
Contr.	Sterling
Rig #	4
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** CONV

WELL NAME: Dirks #1-30	P.O. SUB	
	C.O. SUB	4432'
LOCATION : Sec.30 Twp.28s Rge.18w	S.I. TOOL	4437'
TICKET No. 10013 D.S.T. No. 1 DATE 5/26/97		
TOTAL TOOL TO BOTTOM OF TOP PACKERS 28'		
INTERVAL TOOL	HMV	4442'
BOTTOM PACKERS AND ANCHOR 34'	JARS	4448'
TOTAL TOOL 62'		
DRILL COLLAR ANCHOR IN INTERVAL		
D.C. ANCHOR STND.Stands Single Total	SAFETY JOINT	4450'
D.P. ANCHOR STND.Stands Single Total	PACKER Top	4454'
TOTAL ASSEMBLY 62'	PACKER Bottom	4459'
D.C. ABOVE TOOLS.Stands 9 Single Total 543'	DEPTH	
D.P. ABOVE TOOLS.Stands63 Single 1 Total 3906'	STUBB 1'stubb to	4460'
TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4511'	ANCHOR	
	Alpine rec @ 4465'	
TOTAL DEPTH 4493'		
TOTAL DRILL PIPE ABOVE K.B. 18'		4460'
REMARKS:		
	31'of perfs.to	4491'
	T.C.	
	DEPTH	
		4491'
	AK-1 rec @ 4490'	
	BULLNOSE 2' bullnose to	4493'
	T.D.	

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: Tk#10013 Dirks #1-30 DST#1 Crossbar Pet.Inc
 DATE: 05/26/97 TIME: 21:11:43

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	135.75	2203.8	0.0	108.00		
***** Start Flow 1	0.00	28.9	0.0	107.99		
	0.25	29.5	0.6	108.01		
	0.50	29.9	0.9	108.02		
	0.75	30.9	1.9	108.03		
	1.00	31.5	2.5	108.04		
	1.25	31.8	2.9	108.05		
	1.50	32.2	3.3	108.04		
	1.75	32.6	3.6	108.05		
	2.00	33.0	4.0	108.04		
	2.25	33.2	4.3	108.05		
	2.50	33.6	4.7	108.05		
	2.75	34.0	5.0	108.04		
	3.00	34.2	5.3	108.05		
	3.25	34.4	5.5	108.05		
	3.50	34.8	5.9	108.03		
	3.75	34.8	5.9	108.03		
	4.00	35.2	6.2	108.04		
	4.25	35.5	6.5	108.04		
	4.50	35.7	6.7	108.03		
	4.75	36.0	7.0	108.03		
	5.00	36.2	7.3	108.03		
	5.25	36.4	7.5	108.03		
	5.50	36.4	7.5	108.03		
	5.75	36.7	7.7	108.03		
	6.00	36.9	8.0	108.03		
	6.25	37.2	8.2	108.04		
	6.50	37.3	8.3	108.03		
	6.75	37.6	8.6	108.04		
	7.00	37.7	8.7	108.04		
	7.25	37.8	8.9	108.05		
	7.50	38.1	9.1	108.05		
	7.75	38.3	9.3	108.06		
	8.00	38.3	9.3	108.05		
	8.25	38.6	9.7	108.06		
	8.50	38.8	9.8	108.06		
	8.75	39.0	10.1	108.07		
	9.00	39.2	10.2	108.07		
	9.25	39.4	10.4	108.08		
	9.50	39.7	10.7	108.09		
	9.75	39.9	10.9	108.09		
	10.00	39.9	11.0	108.10		
	10.25	40.1	11.2	108.10		
	10.50	40.3	11.3	108.11		
	10.75	40.5	11.6	108.12		
	11.00	40.5	11.6	108.12		
	11.25	40.6	11.7	108.12		
	11.50	40.8	11.8	108.13		
	11.75	40.9	12.0	108.14		
	12.00	41.2	12.2	108.15		
	12.25	41.3	12.3	108.15		

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10013 Dirks #1-30 DST#1 Crossbar Pet.Inc

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Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
12.50	41.3	12.3	108.16		
12.75	41.4	12.5	108.17		
13.00	41.5	12.6	108.18		
13.25	41.5	12.6	108.18		
13.50	41.8	12.8	108.19		
13.75	41.6	12.7	108.19		
14.00	41.9	12.9	108.20		
14.25	42.0	13.1	108.20		
14.50	42.1	13.2	108.21		
14.75	42.3	13.3	108.22		
15.00	42.3	13.3	108.23		
15.25	42.5	13.6	108.24		
15.50	42.5	13.5	108.24		
15.75	42.6	13.7	108.26		
16.00	42.6	13.7	108.26		
16.25	42.6	13.7	108.27		
16.50	42.8	13.8	108.28		
16.75	43.0	14.1	108.29		
17.00	43.2	14.3	108.29		
17.25	43.3	14.3	108.31		
17.50	43.3	14.3	108.31		
17.75	43.5	14.6	108.33		
18.00	43.6	14.7	108.33		
18.25	43.9	14.9	108.34		
18.50	43.8	14.9	108.35		
18.75	44.0	15.0	108.35		
19.00	44.1	15.2	108.36		
19.25	44.1	15.1	108.37		
19.50	44.2	15.3	108.38		
19.75	44.5	15.5	108.39		
20.00	44.5	15.5	108.40		
20.25	44.6	15.7	108.41		
20.50	44.6	15.7	108.42		
20.75	44.8	15.9	108.43		
21.00	44.8	15.9	108.43		
21.25	45.0	16.0	108.44		
21.50	44.9	15.9	108.45		
21.75	45.1	16.1	108.46		
22.00	45.1	16.1	108.47		
22.25	45.2	16.3	108.48		
22.50	45.4	16.4	108.48		
22.75	45.5	16.5	108.50		
23.00	45.8	16.9	108.50		
23.25	45.8	16.9	108.52		
23.50	45.8	16.9	108.52		
23.75	45.9	16.9	108.54		
24.00	45.9	16.9	108.54		
24.25	45.6	16.7	108.55		
24.50	45.7	16.8	108.56		
24.75	45.8	16.9	108.57		
25.00	45.6	16.7	108.57		

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TEST: Tk#10013 Dirks #1-30 DST#1 Crossbar Pet.Inc

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	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	25.25	45.5	16.5	108.58		
	25.50	45.5	16.5	108.59		
	25.75	45.5	16.5	108.61		
	26.00	45.7	16.8	108.61		
	26.25	45.6	16.7	108.62		
	26.50	46.0	17.0	108.63		
	26.75	46.0	17.0	108.64		
	27.00	46.0	17.0	108.65		
	27.25	46.1	17.1	108.66		
	27.50	46.1	17.1	108.67		
	27.75	46.1	17.1	108.68		
	28.00	46.1	17.1	108.68		
	28.25	46.2	17.2	108.69		
	28.50	46.3	17.4	108.71		
	28.75	46.5	17.5	108.72		
	29.00	47.2	18.2	108.73		
	29.25	48.3	19.4	108.73		
	29.50	49.7	20.7	108.75		
	29.75	50.9	21.9	108.76		
***** End Flow 1	30.00	51.9	23.0	108.76		
***** Start Shutin 1	0.00	51.9	0.0	108.76	0.0000	0.003
	0.25	53.2	1.3	108.78	121.0000	0.003
	0.50	54.5	2.6	108.79	61.0000	0.003
	0.75	55.8	3.9	108.79	41.0000	0.003
	1.00	57.1	5.2	108.80	31.0000	0.003
	1.25	58.6	6.6	108.81	25.0000	0.003
	1.50	60.0	8.1	108.83	21.0000	0.004
	1.75	61.5	9.6	108.83	18.1429	0.004
	2.00	63.2	11.2	108.84	16.0000	0.004
	2.25	64.6	12.7	108.86	14.3333	0.004
	2.50	66.2	14.3	108.86	13.0000	0.004
	2.75	68.1	16.1	108.87	11.9091	0.005
	3.00	69.8	17.9	108.89	11.0000	0.005
	3.25	71.6	19.6	108.89	10.2308	0.005
	3.50	73.5	21.6	108.91	9.5714	0.005
	3.75	75.6	23.7	108.92	9.0000	0.006
	4.00	77.7	25.8	108.93	8.5000	0.006
	4.25	79.9	27.9	108.94	8.0588	0.006
	4.50	82.2	30.3	108.95	7.6667	0.007
	4.75	84.6	32.6	108.95	7.3158	0.007
	5.00	87.1	35.2	108.97	7.0000	0.008
	5.25	89.7	37.8	108.99	6.7143	0.008
	5.50	92.3	40.4	108.99	6.4545	0.009
	5.75	95.2	43.2	109.00	6.2174	0.009
	6.00	98.1	46.2	109.01	6.0000	0.01
	6.25	101.2	49.3	109.02	5.8000	0.010
	6.50	104.6	52.6	109.03	5.6154	0.011
	6.75	107.8	55.9	109.05	5.4444	0.012
	7.00	111.5	59.6	109.06	5.2857	0.012
	7.25	115.4	63.4	109.06	5.1379	0.013
	7.50	119.4	67.5	109.08	5.0000	0.014

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

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Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
7.75	123.4	71.5	109.08	4.8710	0.015
8.00	128.0	76.0	109.10	4.7500	0.016
8.25	132.8	80.9	109.10	4.6364	0.018
8.50	137.8	85.9	109.11	4.5294	0.019
8.75	143.0	91.1	109.12	4.4286	0.020
9.00	148.9	96.9	109.14	4.3333	0.022
9.25	154.9	103.0	109.15	4.2432	0.024
9.50	161.2	109.3	109.15	4.1579	0.026
9.75	168.0	116.1	109.17	4.0769	0.028
10.00	175.4	123.5	109.18	4.0000	0.031
10.25	183.2	131.3	109.18	3.9268	0.034
10.50	191.5	139.6	109.20	3.8571	0.037
10.75	200.1	148.1	109.21	3.7907	0.040
11.00	209.6	157.6	109.22	3.7273	0.044
11.25	219.7	167.8	109.23	3.6667	0.048
11.50	230.4	178.4	109.24	3.6087	0.053
11.75	242.0	190.0	109.25	3.5532	0.059
12.00	254.2	202.3	109.26	3.5000	0.065
12.25	267.4	215.4	109.27	3.4490	0.071
12.50	281.4	229.5	109.29	3.4000	0.079
12.75	296.2	244.2	109.30	3.3529	0.088
13.00	312.0	260.0	109.31	3.3077	0.097
13.25	328.7	276.7	109.32	3.2642	0.108
13.50	346.2	294.3	109.33	3.2222	0.120
13.75	364.7	312.7	109.34	3.1818	0.133
14.00	384.1	332.2	109.35	3.1429	0.148
14.25	404.4	352.4	109.37	3.1053	0.164
14.50	425.3	373.4	109.38	3.0690	0.181
14.75	446.8	394.9	109.39	3.0339	0.200
15.00	468.8	416.9	109.41	3.0000	0.220
15.25	491.1	439.1	109.42	2.9672	0.241
15.50	510.9	459.0	109.43	2.9355	0.261
15.75	534.1	482.2	109.45	2.9048	0.285
16.00	557.0	505.1	109.45	2.8750	0.310
16.25	580.0	528.1	109.47	2.8462	0.336
16.50	602.9	551.0	109.48	2.8182	0.364
16.75	625.8	573.8	109.50	2.7910	0.392
17.00	648.6	596.6	109.51	2.7647	0.421
17.25	671.1	619.1	109.53	2.7391	0.450
17.50	693.3	641.4	109.55	2.7143	0.481
17.75	715.5	663.5	109.55	2.6901	0.512
18.00	737.4	685.4	109.56	2.6667	0.544
18.25	758.7	706.8	109.59	2.6438	0.576
18.50	779.8	727.9	109.60	2.6216	0.608
18.75	800.6	748.6	109.61	2.6000	0.641
19.00	821.1	769.1	109.62	2.5789	0.674
19.25	841.2	789.3	109.64	2.5584	0.708
19.50	860.8	808.8	109.66	2.5385	0.741
19.75	879.9	827.9	109.67	2.5190	0.774
20.00	898.9	847.0	109.68	2.5000	0.808
20.25	917.2	865.3	109.69	2.4815	0.841

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20.50	935.3	883.3	109.73	2.4634	0.875
20.75	952.5	900.5	109.72	2.4458	0.907
21.00	969.5	917.6	109.74	2.4286	0.940
21.25	985.8	933.9	109.76	2.4118	0.972
21.50	1001.5	949.6	109.76	2.3953	1.003
21.75	1016.7	964.8	109.78	2.3793	1.034
22.00	1031.4	979.4	109.79	2.3636	1.064
22.25	1045.3	993.4	109.80	2.3483	1.093
22.50	1058.7	1006.8	109.83	2.3333	1.121
22.75	1071.7	1019.7	109.83	2.3187	1.148
23.00	1083.9	1032.0	109.85	2.3043	1.175
23.25	1095.6	1043.6	109.84	2.2903	1.200
23.50	1106.7	1054.8	109.87	2.2766	1.225
23.75	1117.4	1065.5	109.90	2.2632	1.249
24.00	1127.6	1075.6	109.91	2.2500	1.271
24.25	1137.3	1085.4	109.91	2.2371	1.293
24.50	1146.6	1094.7	109.90	2.2245	1.315
24.75	1155.4	1103.5	109.93	2.2121	1.335
25.00	1163.8	1111.9	109.94	2.2000	1.354
25.25	1172.0	1120.0	109.96	2.1881	1.373
25.50	1179.7	1127.7	109.97	2.1765	1.392
25.75	1187.1	1135.1	109.97	2.1650	1.409
26.00	1194.0	1142.1	109.99	2.1538	1.426
26.25	1200.6	1148.6	109.99	2.1429	1.441
26.50	1207.0	1155.1	109.99	2.1321	1.457
26.75	1213.1	1161.1	110.02	2.1215	1.472
27.00	1219.0	1167.0	110.04	2.1111	1.486
27.25	1224.6	1172.6	110.05	2.1009	1.500
27.50	1230.0	1178.0	110.06	2.0909	1.513
27.75	1235.2	1183.3	110.07	2.0811	1.526
28.00	1240.1	1188.2	110.08	2.0714	1.538
28.25	1244.9	1193.0	110.11	2.0619	1.550
28.50	1249.3	1197.3	110.10	2.0526	1.561
28.75	1253.8	1201.8	110.10	2.0435	1.572
29.00	1257.8	1205.9	110.12	2.0345	1.582
29.25	1261.9	1210.0	110.13	2.0256	1.592
29.50	1265.9	1213.9	110.13	2.0169	1.602
29.75	1269.6	1217.6	110.15	2.0084	1.612
30.00	1273.2	1221.2	110.15	2.0000	1.621
30.25	1276.6	1224.7	110.16	1.9917	1.630
30.50	1280.0	1228.0	110.18	1.9836	1.638
30.75	1283.3	1231.4	110.18	1.9756	1.647
31.00	1286.4	1234.4	110.19	1.9677	1.655
31.25	1289.5	1237.5	110.19	1.9600	1.663
31.50	1292.4	1240.5	110.20	1.9524	1.670
31.75	1295.3	1243.4	110.24	1.9449	1.678
32.00	1298.2	1246.2	110.22	1.9375	1.685
32.25	1300.8	1248.8	110.22	1.9302	1.692
32.50	1303.4	1251.4	110.24	1.9231	1.699
32.75	1306.0	1254.0	110.26	1.9160	1.706
33.00	1308.3	1256.4	110.26	1.9091	1.712

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Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
33.25	1310.7	1258.7	110.28	1.9023	1.718
33.50	1313.0	1261.1	110.29	1.8955	1.724
33.75	1315.2	1263.3	110.29	1.8889	1.730
34.00	1317.5	1265.5	110.29	1.8824	1.736
34.25	1319.5	1267.6	110.30	1.8759	1.741
34.50	1321.6	1269.7	110.30	1.8696	1.747
34.75	1323.7	1271.8	110.32	1.8633	1.752
35.00	1325.6	1273.7	110.31	1.8571	1.757
35.25	1327.6	1275.7	110.33	1.8511	1.763
35.50	1329.5	1277.5	110.34	1.8451	1.768
35.75	1331.4	1279.5	110.34	1.8392	1.773
36.00	1333.2	1281.2	110.35	1.8333	1.777
36.25	1334.9	1283.0	110.36	1.8276	1.782
36.50	1336.6	1284.7	110.36	1.8219	1.787
36.75	1338.4	1286.4	110.38	1.8163	1.791
37.00	1340.0	1288.0	110.37	1.8108	1.796
37.25	1341.7	1289.7	110.40	1.8054	1.800
37.50	1343.2	1291.2	110.39	1.8000	1.804
37.75	1344.8	1292.8	110.40	1.7947	1.808
38.00	1346.2	1294.3	110.41	1.7895	1.812
38.25	1347.8	1295.8	110.41	1.7843	1.817
38.50	1349.1	1297.2	110.43	1.7792	1.820
38.75	1350.6	1298.7	110.44	1.7742	1.824
39.00	1352.1	1300.1	110.43	1.7692	1.828
39.25	1353.3	1301.4	110.43	1.7643	1.831
39.50	1354.7	1302.7	110.45	1.7595	1.835
39.75	1356.0	1304.1	110.47	1.7547	1.839
40.00	1357.4	1305.4	110.46	1.7500	1.842
40.25	1358.7	1306.8	110.46	1.7453	1.846
40.50	1359.8	1307.8	110.48	1.7407	1.849
40.75	1361.1	1309.2	110.49	1.7362	1.853
41.00	1362.2	1310.3	110.52	1.7317	1.856
41.25	1363.5	1311.5	110.49	1.7273	1.859
41.50	1364.6	1312.6	110.51	1.7229	1.862
41.75	1365.7	1313.8	110.51	1.7186	1.865
42.00	1366.8	1314.8	110.52	1.7143	1.868
42.25	1367.8	1315.9	110.52	1.7101	1.871
42.50	1369.0	1317.1	110.54	1.7059	1.874
42.75	1370.1	1318.2	110.53	1.7018	1.877
43.00	1371.1	1319.2	110.55	1.6977	1.880
43.25	1372.2	1320.3	110.56	1.6936	1.883
43.50	1373.3	1321.4	110.55	1.6897	1.886
43.75	1374.3	1322.4	110.57	1.6857	1.889
44.00	1375.2	1323.3	110.57	1.6818	1.891
44.25	1376.2	1324.3	110.57	1.6780	1.894
44.50	1377.2	1325.3	110.58	1.6742	1.897
44.75	1378.3	1326.3	110.61	1.6704	1.900
45.00	1379.2	1327.2	110.59	1.6667	1.902
45.25	1380.1	1328.2	110.60	1.6630	1.905
45.50	1381.0	1329.1	110.60	1.6593	1.907
45.75	1381.9	1329.9	110.60	1.6557	1.910

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: Tk#10013 Dirks #1-30 DST#1 Crossbar Pet.Inc
 DATE: 05/26/97 TIME: 21:11:43

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
46.00	1382.8	1330.8	110.62	1.6522	1.912
46.25	1383.6	1331.7	110.63	1.6486	1.914
46.50	1384.5	1332.6	110.62	1.6452	1.917
46.75	1385.3	1333.4	110.63	1.6417	1.919
47.00	1386.1	1334.1	110.65	1.6383	1.921
47.25	1387.1	1335.1	110.65	1.6349	1.924
47.50	1387.8	1335.9	110.65	1.6316	1.926
47.75	1388.6	1336.6	110.66	1.6283	1.928
48.00	1389.4	1337.5	110.67	1.6250	1.930
48.25	1390.2	1338.2	110.66	1.6218	1.933
48.50	1391.0	1339.1	110.68	1.6186	1.935
48.75	1391.8	1339.8	110.69	1.6154	1.937
49.00	1392.6	1340.7	110.68	1.6122	1.939
49.25	1393.3	1341.3	110.69	1.6091	1.941
49.50	1393.9	1341.9	110.70	1.6061	1.943
49.75	1394.7	1342.8	110.71	1.6030	1.945
50.00	1395.4	1343.4	110.72	1.6000	1.947
50.25	1396.1	1344.2	110.70	1.5970	1.949
50.50	1396.8	1344.9	110.72	1.5941	1.951
50.75	1397.6	1345.6	110.73	1.5911	1.953
51.00	1398.1	1346.2	110.74	1.5882	1.955
51.25	1398.9	1347.0	110.75	1.5854	1.957
51.50	1399.5	1347.5	110.75	1.5825	1.959
51.75	1400.2	1348.3	110.76	1.5797	1.961
52.00	1400.8	1348.9	110.75	1.5769	1.962
52.25	1401.5	1349.6	110.77	1.5742	1.964
52.50	1402.1	1350.1	110.78	1.5714	1.966
52.75	1402.7	1350.7	110.80	1.5687	1.968
53.00	1403.3	1351.4	110.79	1.5660	1.969
53.25	1404.0	1352.1	110.79	1.5634	1.971
53.50	1404.5	1352.6	110.79	1.5607	1.973
53.75	1405.3	1353.3	110.80	1.5581	1.975
54.00	1405.9	1353.9	110.80	1.5556	1.976
54.25	1406.5	1354.5	110.81	1.5530	1.978
54.50	1407.0	1355.0	110.82	1.5505	1.980
54.75	1407.6	1355.7	110.82	1.5479	1.981
55.00	1408.1	1356.2	110.83	1.5455	1.983
55.25	1408.7	1356.8	110.84	1.5430	1.984
55.50	1409.3	1357.4	110.86	1.5405	1.986
55.75	1409.9	1358.0	110.90	1.5381	1.988
56.00	1410.5	1358.5	110.84	1.5357	1.989
56.25	1411.2	1359.2	110.70	1.5333	1.991
56.50	1411.6	1359.6	110.84	1.5310	1.993
56.75	1412.2	1360.2	110.86	1.5286	1.994
57.00	1412.7	1360.7	110.87	1.5263	1.996
57.25	1413.3	1361.3	110.88	1.5240	1.997
57.50	1413.8	1361.8	110.89	1.5217	1.999
57.75	1414.3	1362.4	110.90	1.5195	2.000
58.00	1414.8	1362.9	110.90	1.5172	2.002
58.25	1415.4	1363.5	110.91	1.5150	2.003

***** End Shut-in 1

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10013 Dirks #1-30 DST#1 Crossbar Pet.Inc

DATE: 05/26/97

TIME: 21:11:43

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Start Flow 2	0.00	55.5	0.0	110.89		
	0.25	56.0	0.5	110.89		
	0.50	54.5	-0.9	110.88		
	0.75	53.5	-2.0	110.88		
	1.00	52.9	-2.5	110.87		
	1.25	53.2	-2.3	110.87		
	1.50	53.3	-2.2	110.87		
	1.75	53.5	-1.9	110.87		
	2.00	53.8	-1.7	110.86		
	2.25	53.9	-1.6	110.85		
	2.50	53.5	-1.9	110.85		
	2.75	53.6	-1.8	110.85		
	3.00	53.8	-1.7	110.84		
	3.25	53.8	-1.7	110.84		
	3.50	54.0	-1.4	110.83		
	3.75	54.0	-1.4	110.84		
	4.00	54.2	-1.3	110.84		
	4.25	54.3	-1.2	110.84		
	4.50	54.3	-1.2	110.83		
	4.75	54.4	-1.1	110.83		
	5.00	54.5	-1.0	110.84		
	5.25	54.3	-1.2	110.84		
	5.50	54.3	-1.2	110.84		
	5.75	54.2	-1.3	110.84		
	6.00	54.4	-1.1	110.84		
	6.25	59.8	4.4	110.84		
	6.50	801.8	746.4	110.86		
	6.75	2154.5	2099.0	110.89		
	7.00	2174.1	2118.6	110.91		
	7.25	2151.1	2095.7	110.93		
	7.50	2202.7	2147.2	110.97		
	7.75	2192.6	2137.1	110.97		
	8.00	2189.8	2134.4	110.98		
	8.25	2185.7	2130.3	111.02		
	8.50	2188.4	2132.9	111.05		
	8.75	61.9	6.5	111.04		
	9.00	62.7	7.2	111.05		
	9.25	62.9	7.4	111.06		
	9.50	63.0	7.6	111.06		
	9.75	63.2	7.7	111.07		
	10.00	63.2	7.7	111.08		
	10.25	63.3	7.8	111.08		
	10.50	62.9	7.5	111.08		
	10.75	62.9	7.5	111.09		
	11.00	62.8	7.3	111.08		
	11.25	62.7	7.2	111.08		
	11.50	62.9	7.4	111.08		
	11.75	62.8	7.3	111.08		
	12.00	62.9	7.5	111.08		
	12.25	62.9	7.5	111.08		
	12.50	63.0	7.5	111.08		
	12.75	63.1	7.6	111.08		

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10013 Dirks #1-30 DST#1 Crossbar Pet.Inc

DATE: 05/26/97

TIME: 21:11:43

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
13.00	63.2	7.7	111.08		
13.25	63.2	7.7	111.07		
13.50	63.2	7.7	111.08		
13.75	63.4	8.0	111.09		
14.00	63.4	8.0	111.09		
14.25	63.4	8.0	111.08		
14.50	63.5	8.0	111.09		
14.75	63.5	8.0	111.09		
15.00	63.6	8.1	111.10		
15.25	63.6	8.1	111.10		
15.50	63.8	8.3	111.10		
15.75	63.8	8.4	111.10		
16.00	63.8	8.4	111.11		
16.25	64.0	8.5	111.11		
16.50	64.0	8.5	111.11		
16.75	64.1	8.6	111.12		
17.00	64.2	8.7	111.12		
17.25	64.3	8.8	111.13		
17.50	64.3	8.8	111.13		
17.75	64.4	8.9	111.13		
18.00	2159.7	2104.2	111.17		

***** End Flow 2

TEST HISTORY

Tk#10013 Dirks #1-30 DST#1 Crossbar Pet. Inc

Flag Points

t(Min.) P(PSIg)

A: 0.00 2203.77
B: 0.00 28.95
C: 30.00 51.94
D: 58.25 1415.43
E: 0.00 55.47
Q: 0.00 2159.71

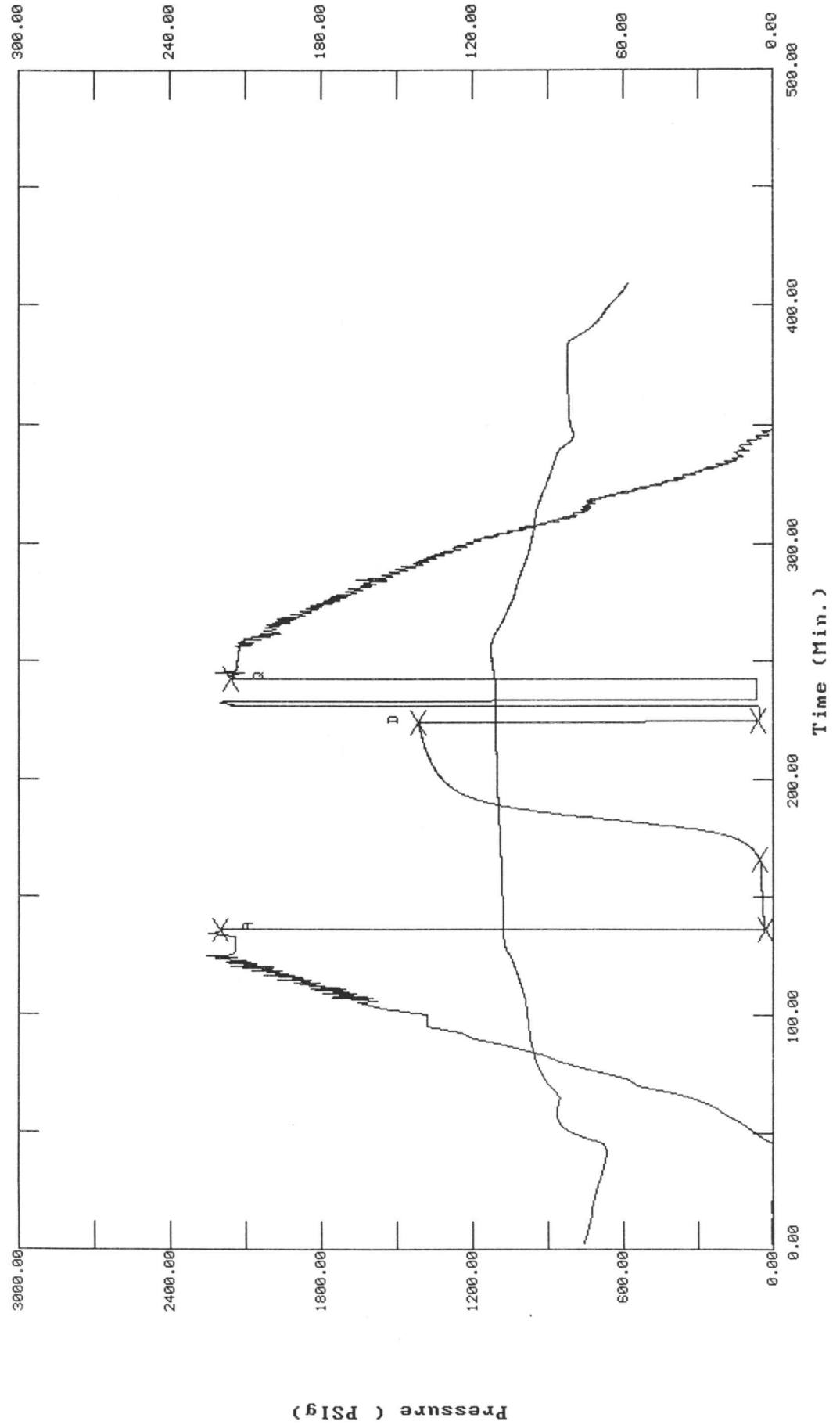
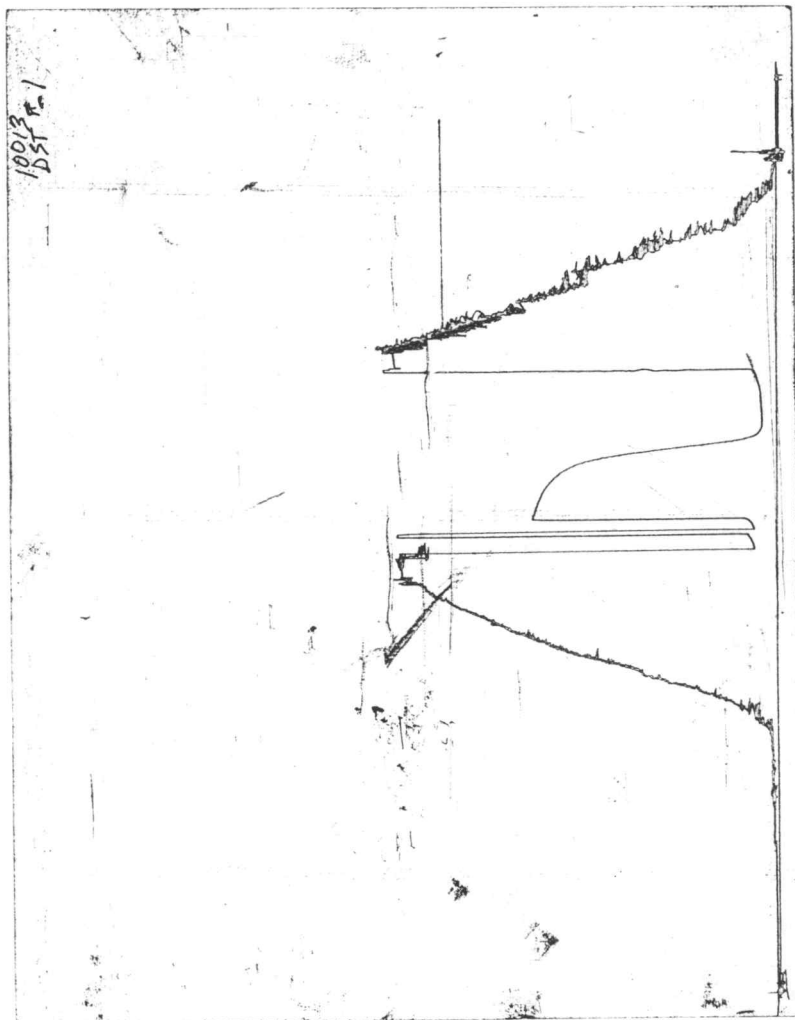


CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Petroleum Inc
WELL NAME: Dirks # 1-30
LOCATION : 30-28S-18W Kiowa KS
INTERVAL : 4668.00 To 4702.00 ft

DATE 5/27/97
KB 2296.00 ft TICKET NO: 10014 DST #2
GR 2287.00 ft FORMATION: Hertha
TD 4702.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10332	10332	13849			PF Fr. 2220 to 2250 hr
SI 60 Range(Psi)	4025.0	4025.0	4375.0	0.0	0.0	IS Fr. 2250 to 2350 hr
SF 15 Clock(hrs)	12 hr	12 hr	12 hr			SF Fr. 2350 to 0005 hr
FS 0 Depth(ft)	4699.0	4699.0	4673.0	0.0	0.0	FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	2278.0	2307.0	0.0	0.0	0.0	T STARTED 2045 hr
B. First Flow	61.0	55.0	0.0	0.0	0.0	T ON BOTM 2215 hr
Bl. Final Flow	71.0	55.0	0.0	0.0	0.0	T OPEN 2220 hr
C. In Shut-in	1539.0	1539.0	0.0	0.0	0.0	T PULLED 0005 hr
D. Init Flow	41.0	80.0	0.0	0.0	0.0	T OUT 0245 hr
E. Final Flow	41.0	67.0	0.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	
G. Final Hydro	2298.0	2206.0	0.0	0.0	0.0	
Inside/Outside	0	0	I			

RECOVERY

Tot Fluid 50.00 ft of 50.00 ft in DC and 0.00 ft in DP
50.00 ft of Slightly Water Cut Mud
0.00 ft of 2%water 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

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

BLOW DESCRIPTION

Initial Flow:
Weak surface blow, blew throughout

Initial Shut In:
Bled down for 20 mins, no blow back

Final Flow:
No blow, after 5 mins flushed tool,
no blow, pulled tool

Final Shut In:

SAMPLES:
SENT TO:

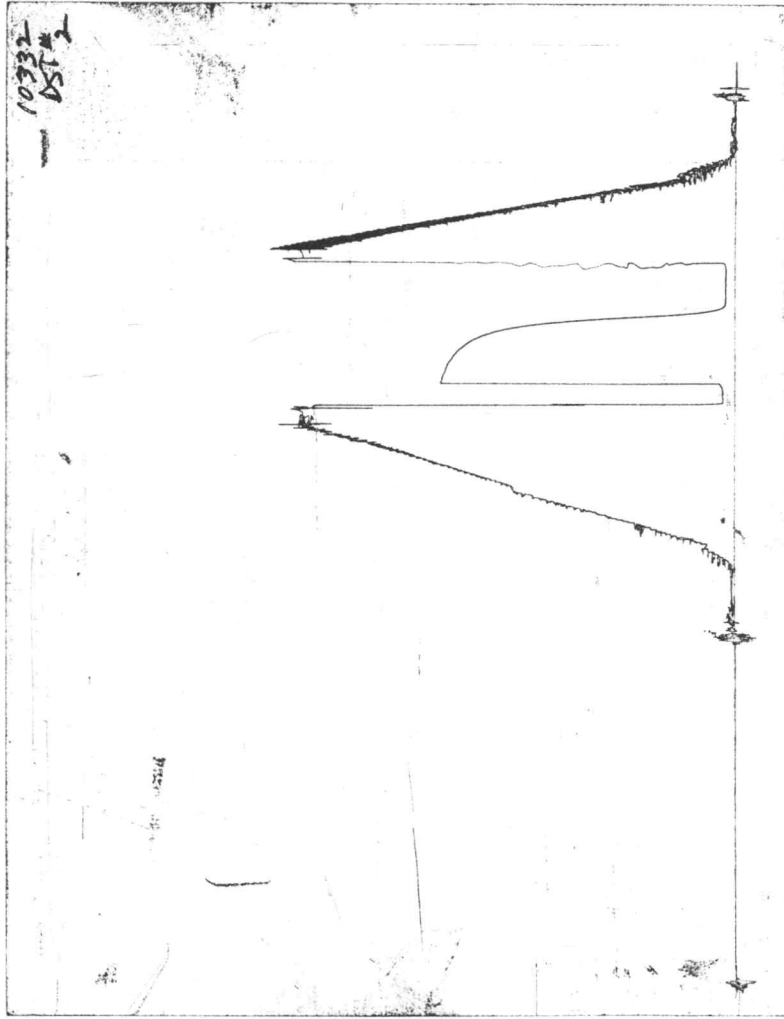
Test Successful: Y

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	48.00 S/L
W.L.	10.00 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	115.00 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	Darren Amerine
Co. Rep.	Harold Trapp
Contr.	Sterling
Rig #	4
Unit #	
Pump T.	

CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Crossbar Petroleum Inc
WELL NAME: Dirks #1-30
LOCATION : Sec.30 Twp.28s Rge.18w
INTERVAL : 4876.00 To 4940.00 ft

DATE 5/29/97
KB 2296.00 ft TICKET NO: 10015 DST #3
GR 2287.00 ft FORMATION: MISS.
TD 4940.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 45 Rec.	10332	10332	2350			PF Fr. 0805 to 0850 hr
SI 60 Range(Psi)	4025.0	4025.0	4495.0	0.0	0.0	IS Fr. 0850 to 0950 hr
SF 45 Clock(hrs)	12hr.	12hr.	Elec			SF Fr. 0950 to 1035 hr
FS 90 Depth(ft)	4937.0	4937.0	4891.0	0.0	0.0	FS Fr. 1035 to 1205 hr

	Field	1	2	3	4	
A. Init Hydro	2518.0	2536.0	2420.0	0.0	0.0	T STARTED 0530 hr
B. First Flow	172.0	179.0	173.0	0.0	0.0	T ON BOTM 0803 hr
B1. Final Flow	223.0	238.0	219.0	0.0	0.0	T OPEN 0805 hr
C. In Shut-in	1478.0	1487.0	1457.0	0.0	0.0	T PULLED 1205 hr
D. Init Flow	233.0	251.0	198.0	0.0	0.0	T OUT 1530 hr
E. Final Flow	334.0	345.0	314.0	0.0	0.0	
F. Fl Shut-in	1498.0	1501.0	1458.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2508.0	2504.0	2402.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 165000.00 lbs
						Initial Str Wt 82000.00 lbs
						Unseated Str Wt 84000.00 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 543.00 ft
						D.P. Length 4337.00 ft

RECOVERY

Tot Fluid 1054.00 ft of 543.00 ft in DC and 511.00 ft in DP
250.00 ft of Slight Gas Cut Mud
0.00 ft of 2%gas 98%mud
400.00 ft of Very slight Gassy Oil Cut Muddy Water
0.00 ft of 6%gas 4%oil 15%mud 75%water
404.00 ft of Very slight Mud Cut Gassy Oily Water
0.00 ft of 1%mud 4%oil 6%gas 89%water
3826.00 ft of Gas In Pipe
0.00 ft of
SALINITY 42000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	52.00 S/L
W.L.	9.60 in3
F.C.	0.32 in
Mud Drop Y	10.0 ft

BLOW DESCRIPTION

Initital Flow:
Strong blow, bottom of bucket in 90sec
Gas to surface in 11 mins
Sample taken at 15 mins

Initial Shut In:
Bled down for 15 mins, Weak surface
blow back

Final Flow:
Strong blow, Gauge Gas

Final Shut In:
Bled down for 30 mins, Built back to
bottom of bucket in 20 mins
SAMPLES: Caraway Analytical, L.L.C. 728 N Roosevelt
SENT TO: Liberal, Ks 67901

Amt. of fill	0.00 ft
Btm. H. Temp.	127.00 F
Hole Condition	Fair
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 n
Cushion Type	none
Reversed Out N	
Tool Chased N	
Tester	Darren Amerine
Co. Rep.	Harold Trapp
Contr.	Sterling
Rig #	4
Unit #	
Pump T.	

Test Successful: Y

GAS RECOVERY

COMPANY: Crossbar Petroleum Inc

DATE: 5/29/97

WELL NAME: Dirks #1-30

KB Elev: 2296.00 ft TICKET #10015

DST #3

WELL LOCATION: Sec.30 Twp.28s Rge.18w

GR Elev: 2287.00 ft FORMATION: MISS.

INTERVAL Fr.: 4876.00 To 4940.00 T.D.: 4940.00 ft TEST TYPE: CONV

GAS RECOVERY MEASURED WITH Adj. Choke.

**** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.75	6	0	185000.0
10	0.75	8	0	227000.0
15	0.75	8	0	219000.0
20	0.75	5	0	175000.0
25	0.75	4	0	144000.0
30	0.75	3	0	133000.0
35	0.75	2	0	108000.0

**** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.38	14	0	79000.0
10	0.38	14	0	83000.0
15	0.38	10	0	65000.0
20	0.25	8	0	27000.0
25	0.25	8	0	28000.0
30	0.25	7	0	25000.0
35	0.25	6	0	23900.0
40	0.25	6	0	23900.0
45	0.25	6	0	23900.0

*** TOOL DIAGRAM *** CONV

WELL NAME: Dirks #1-30

LOCATION : Sec.30 Twp.28s Rge.18w

TICKET No. 10015 D.S.T. No. 3 DATE 5/29/97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 28'

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 64'

TOTAL TOOL 92'

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 92'

D.C. ABOVE TOOLS.Stands 9 Single Total 543'

D.P. ABOVE TOOLS.Stands 70 Single 1 Total 4337'

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4972'

TOTAL DEPTH 4940'

TOTAL DRILL PIPE ABOVE K.B. 32'

REMARKS:

P.O. SUB Top of tool	4848'
C.O. SUB	4849'
S.I. TOOL	4854'
HMV	4859'
JARS	4865'
SAFETY JOINT	4867'
PACKER Top	4871'
PACKER Bottom	4876'
DEPTH	
STUBB 1'stubb to 4877'	4877'
ANCHOR 8'of perfs to	4886'
Alpine rec @ 4891'	
31'Jt.Drill pipe to:	4917'
T.C. DEPTH	
21'of perfs.to:	4938'
AK-1 rec @ 4937'	4938'
BULLNOSE 2' bullnose to T.D.	4940'

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10015 Dirks#1-30 DST#3 Crossbar pet, Inc.

DATE: 05/29/97 TIME: 05:31:49

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	149.50	2419.6	0.0	112.08		
***** Start Flow 1	0.00	172.5	0.0	113.30		
	0.50	143.3	-29.2	113.64		
	1.00	157.2	-15.4	113.97		
	1.50	149.4	-23.2	114.27		
	2.00	123.3	-49.3	114.55		
	2.50	155.3	-17.3	114.81		
	3.00	168.9	-3.7	115.04		
	3.50	140.8	-31.7	115.26		
	4.00	146.9	-25.6	115.46		
	4.50	129.4	-43.1	115.63		
	5.00	149.0	-23.6	115.79		
	5.50	130.4	-42.1	115.93		
	6.00	134.1	-38.4	116.07		
	6.50	135.6	-36.9	116.19		
	7.00	146.4	-26.2	116.29		
	7.50	136.8	-35.8	116.40		
	8.00	136.8	-35.8	116.51		
	8.50	139.9	-32.6	116.58		
	9.00	137.6	-34.9	116.67		
	9.50	147.5	-25.0	116.75		
	10.00	138.3	-34.2	116.83		
	10.50	141.7	-30.9	116.90		
	11.00	148.5	-24.1	116.97		
	11.50	145.8	-26.8	117.04		
	12.00	147.4	-25.2	117.10		
	12.50	158.4	-14.1	117.17		
	13.00	150.5	-22.1	117.21		
	13.50	162.6	-9.9	117.27		
	14.00	164.7	-7.8	117.32		
	14.50	163.7	-8.8	117.38		
	15.00	161.0	-11.6	117.42		
	15.50	163.4	-9.1	117.46		
	16.00	166.2	-6.4	117.49		
	16.50	172.0	-0.6	117.53		
	17.00	173.3	0.8	117.56		
	17.50	175.4	2.9	117.58		
	18.00	175.8	3.3	117.62		
	18.50	173.5	0.9	117.64		
	19.00	173.2	0.7	117.67		
	19.50	173.3	0.8	117.71		
	20.00	174.3	1.8	117.74		
	20.50	174.0	1.4	117.78		
	21.00	171.6	-0.9	117.80		
	21.50	175.1	2.6	117.84		
	22.00	176.8	4.3	117.87		
	22.50	176.1	3.5	117.91		
	23.00	178.8	6.2	117.94		
	23.50	180.2	7.6	117.97		
	24.00	181.4	8.8	118.01		
	24.50	185.0	12.4	118.05		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
TEST: Tk#10015 Dirks#1-30 DST#3 Crossbar pet, Inc.
DATE: 05/29/97 TIME: 05:31:49

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	25.00	185.9	13.3	118.08		
	25.50	184.2	11.7	118.11		
	26.00	183.9	11.3	118.15		
	26.50	187.7	15.1	118.19		
	27.00	188.5	15.9	118.23		
	27.50	191.2	18.6	118.26		
	28.00	188.4	15.9	118.30		
	28.50	190.2	17.6	118.34		
	29.00	191.8	19.2	118.38		
	29.50	193.2	20.6	118.42		
	30.00	194.7	22.2	118.46		
	30.50	200.4	27.9	118.50		
	31.00	195.4	22.8	118.54		
	31.50	199.0	26.4	118.59		
	32.00	199.7	27.2	118.62		
	32.50	200.9	28.4	118.66		
	33.00	201.9	29.4	118.72		
	33.50	203.2	30.6	118.76		
	34.00	204.1	31.6	118.81		
	34.50	206.0	33.4	118.85		
	35.00	206.1	33.6	118.90		
	35.50	208.0	35.5	118.95		
	36.00	209.3	36.8	118.99		
	36.50	211.1	38.5	119.04		
	37.00	213.2	40.6	119.09		
	37.50	211.9	39.4	119.13		
	38.00	212.2	39.7	119.18		
	38.50	214.9	42.4	119.23		
	39.00	215.5	43.0	119.27		
	39.50	216.1	43.6	119.32		
	40.00	217.6	45.1	119.36		
	40.50	218.2	45.7	119.42		
***** End Flow 1	41.00	219.2	46.7	119.47		
***** Start Shutin 1	0.00	219.2	0.0	119.47	0.0000	0.048
	0.50	236.7	17.5	119.52	83.0000	0.056
	1.00	324.8	105.6	119.57	42.0000	0.105
	1.50	410.1	190.9	119.65	28.3333	0.168
	2.00	492.5	273.3	119.80	21.5000	0.243
	2.50	571.2	352.0	120.06	17.4000	0.326
	3.00	646.2	427.0	120.42	14.6667	0.418
	3.50	717.8	498.6	120.88	12.7143	0.515
	4.00	786.0	566.8	121.36	11.2500	0.618
	4.50	850.8	631.6	121.78	10.1111	0.724
	5.00	911.3	692.1	122.13	9.2000	0.830
	5.50	967.2	748.0	122.45	8.4545	0.935
	6.00	1018.2	799.0	122.72	7.8333	1.037
	6.50	1065.0	845.7	122.96	7.3077	1.134
	7.00	1106.9	887.7	123.19	6.8571	1.225
	7.50	1144.4	925.2	123.39	6.4667	1.310
	8.00	1177.8	958.6	123.59	6.1250	1.387
	8.50	1207.3	988.1	123.62	5.8235	1.458

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10015 Dirks#1-30 DST#3 Crossbar pet, Inc.

DATE: 05/29/97

TIME: 05:31:49

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
9.00	1232.9	1013.7	124.00	5.5556	1.520
9.50	1255.2	1036.0	124.21	5.3158	1.576
10.00	1274.6	1055.4	124.41	5.1000	1.625
10.50	1291.4	1072.2	124.61	4.9048	1.668
11.00	1305.7	1086.5	124.79	4.7273	1.705
11.50	1318.4	1099.2	124.96	4.5652	1.738
12.00	1329.2	1109.9	125.13	4.4167	1.767
12.50	1338.6	1119.3	125.23	4.2800	1.792
13.00	1346.7	1127.5	125.42	4.1538	1.814
13.50	1353.8	1134.6	125.56	4.0370	1.833
14.00	1360.2	1141.0	125.68	3.9286	1.850
14.50	1365.7	1146.5	125.84	3.8276	1.865
15.00	1370.6	1151.4	125.93	3.7333	1.879
15.50	1375.2	1156.0	126.04	3.6452	1.891
16.00	1379.2	1160.0	126.12	3.5625	1.902
16.50	1383.0	1163.7	126.21	3.4848	1.913
17.00	1386.3	1167.1	126.29	3.4118	1.922
17.50	1389.5	1170.3	126.34	3.3429	1.931
18.00	1392.4	1173.1	126.42	3.2778	1.939
18.50	1395.0	1175.7	126.48	3.2162	1.946
19.00	1397.6	1178.4	126.54	3.1579	1.953
19.50	1399.9	1180.7	126.59	3.1026	1.960
20.00	1402.2	1183.0	126.62	3.0500	1.966
20.50	1404.4	1185.1	126.65	3.0000	1.972
21.00	1406.3	1187.1	126.68	2.9524	1.978
21.50	1408.1	1188.9	126.69	2.9070	1.983
22.00	1409.8	1190.6	126.74	2.8636	1.988
22.50	1411.6	1192.4	126.77	2.8222	1.993
23.00	1413.3	1194.0	126.78	2.7826	1.997
23.50	1414.7	1195.5	126.83	2.7447	2.001
24.00	1416.2	1197.0	126.85	2.7083	2.006
24.50	1417.6	1198.4	126.86	2.6735	2.010
25.00	1419.0	1199.7	126.86	2.6400	2.013
25.50	1420.2	1201.0	126.88	2.6078	2.017
26.00	1421.4	1202.2	126.89	2.5769	2.020
26.50	1422.4	1203.2	126.92	2.5472	2.023
27.00	1423.7	1204.5	126.93	2.5185	2.027
27.50	1424.8	1205.6	126.95	2.4909	2.030
28.00	1425.7	1206.5	126.97	2.4643	2.033
28.50	1426.8	1207.6	126.97	2.4386	2.036
29.00	1427.9	1208.6	126.99	2.4138	2.039
29.50	1428.8	1209.6	126.99	2.3898	2.041
30.00	1429.6	1210.4	127.01	2.3667	2.044
30.50	1430.5	1211.3	127.02	2.3443	2.046
31.00	1431.4	1212.2	127.02	2.3226	2.049
31.50	1432.2	1213.0	127.04	2.3016	2.051
32.00	1432.9	1213.7	127.08	2.2812	2.053
32.50	1433.7	1214.5	127.05	2.2615	2.056
33.00	1434.6	1215.4	127.06	2.2424	2.058
33.50	1435.4	1216.2	127.07	2.2239	2.060
34.00	1436.0	1216.8	127.08	2.2059	2.062

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: Tk#10015 Dirks#1-30 DST#3 Crossbar pet, Inc.
 DATE: 05/29/97 TIME: 05:31:49

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
34.50	1436.8	1217.5	127.09	2.1884	2.064
35.00	1437.3	1218.1	127.08	2.1714	2.066
35.50	1437.8	1218.6	127.10	2.1549	2.067
36.00	1438.7	1219.5	127.08	2.1389	2.070
36.50	1439.3	1220.1	127.09	2.1233	2.071
37.00	1439.9	1220.7	127.09	2.1081	2.073
37.50	1440.4	1221.1	127.10	2.0933	2.075
38.00	1441.1	1221.9	127.09	2.0789	2.077
38.50	1441.7	1222.5	127.09	2.0649	2.079
39.00	1442.1	1222.9	127.09	2.0513	2.080
39.50	1442.7	1223.5	127.09	2.0380	2.081
40.00	1443.2	1224.0	127.06	2.0250	2.083
40.50	1443.8	1224.6	127.06	2.0123	2.085
41.00	1444.2	1225.0	127.04	2.0000	2.086
41.50	1444.7	1225.5	127.05	1.9880	2.087
42.00	1445.2	1226.0	127.04	1.9762	2.089
42.50	1445.6	1226.4	127.02	1.9647	2.090
43.00	1446.2	1226.9	127.02	1.9535	2.091
43.50	1446.7	1227.4	127.02	1.9425	2.093
44.00	1447.1	1227.9	126.99	1.9318	2.094
44.50	1447.5	1228.3	126.98	1.9213	2.095
45.00	1448.0	1228.8	126.96	1.9111	2.097
45.50	1448.5	1229.3	126.95	1.9011	2.098
46.00	1448.8	1229.5	126.92	1.8913	2.099
46.50	1449.2	1230.0	126.92	1.8817	2.100
47.00	1449.6	1230.4	126.90	1.8723	2.101
47.50	1449.9	1230.7	126.85	1.8632	2.102
48.00	1450.3	1231.1	126.84	1.8542	2.103
48.50	1450.7	1231.5	126.83	1.8454	2.104
49.00	1451.2	1232.0	126.78	1.8367	2.106
49.50	1451.5	1232.3	126.76	1.8283	2.107
50.00	1451.8	1232.6	126.71	1.8200	2.108
50.50	1452.1	1232.9	126.68	1.8119	2.109
51.00	1452.5	1233.3	126.63	1.8039	2.110
51.50	1452.6	1233.4	126.58	1.7961	2.110
52.00	1452.9	1233.7	126.54	1.7885	2.111
52.50	1453.2	1234.0	126.49	1.7810	2.112
53.00	1453.5	1234.2	126.45	1.7736	2.113
53.50	1453.8	1234.6	126.40	1.7664	2.114
54.00	1454.0	1234.7	126.36	1.7593	2.114
54.50	1454.1	1234.9	126.31	1.7523	2.114
55.00	1454.5	1235.2	126.25	1.7455	2.115
55.50	1454.7	1235.5	126.20	1.7387	2.116
56.00	1454.9	1235.7	126.15	1.7321	2.117
56.50	1455.2	1236.0	126.09	1.7257	2.118
57.00	1455.5	1236.3	126.02	1.7193	2.118
57.50	1455.7	1236.5	125.95	1.7130	2.119
58.00	1456.0	1236.8	125.88	1.7069	2.120
58.50	1456.1	1236.9	125.81	1.7009	2.120
59.00	1456.2	1237.0	125.74	1.6949	2.121
59.50	1456.6	1237.3	125.68	1.6891	2.122

***** End Shut-in 1

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10015 Dirks#1-30 DST#3 Crossbar pet, Inc.

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	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Start Flow 2	0.00	198.4	0.0	123.86		
	0.50	203.1	4.7	123.46		
	1.00	212.1	13.7	123.11		
	1.50	219.8	21.4	122.84		
	2.00	228.9	30.5	122.61		
	2.50	235.4	37.0	122.43		
	3.00	238.6	40.2	122.30		
	3.50	239.0	40.6	122.20		
	4.00	238.7	40.3	122.13		
	4.50	238.1	39.7	122.07		
	5.00	237.6	39.2	122.04		
	5.50	238.4	40.0	122.01		
	6.00	239.4	41.0	122.01		
	6.50	241.1	42.7	122.00		
	7.00	243.1	44.7	122.01		
	7.50	245.6	47.3	122.02		
	8.00	248.1	49.7	122.04		
	8.50	249.8	51.4	122.06		
	9.00	252.8	54.4	122.09		
	9.50	254.5	56.1	122.12		
	10.00	255.1	56.7	122.15		
	10.50	256.6	58.2	122.19		
	11.00	261.0	62.6	122.22		
	11.50	261.0	62.6	122.26		
	12.00	263.6	65.2	122.29		
	12.50	264.3	65.9	122.34		
	13.00	265.9	67.5	122.37		
	13.50	269.4	71.0	122.41		
	14.00	270.8	72.4	122.45		
	14.50	271.2	72.8	122.50		
	15.00	269.8	71.4	122.53		
	15.50	271.2	72.8	122.58		
	16.00	271.6	73.2	122.61		
	16.50	273.3	74.9	122.65		
	17.00	274.2	75.8	122.69		
	17.50	275.4	77.0	122.72		
	18.00	277.4	79.0	122.76		
	18.50	280.8	82.4	122.80		
	19.00	280.6	82.2	122.83		
	19.50	281.9	83.5	122.87		
	20.00	283.6	85.2	122.91		
	20.50	284.3	85.9	122.94		
	21.00	284.7	86.3	122.98		
	21.50	284.7	86.3	123.02		
	22.00	286.8	88.4	123.04		
	22.50	287.9	89.6	123.08		
	23.00	289.5	91.1	123.11		
	23.50	290.5	92.1	123.15		
	24.00	290.5	92.2	123.17		
	24.50	291.9	93.5	123.19		
	25.00	292.5	94.1	123.23		
	25.50	293.8	95.4	123.26		

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: Tk#10015 Dirks#1-30 DST#3 Crossbar pet, Inc.
 DATE: 05/29/97 TIME: 05:31:49

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	26.00	294.7	96.3	123.29		
	26.50	295.1	96.7	123.32		
	27.00	294.7	96.3	123.35		
	27.50	296.1	97.7	123.38		
	28.00	296.8	98.4	123.42		
	28.50	298.1	99.7	123.45		
	29.00	300.5	102.1	123.48		
	29.50	299.9	101.6	123.50		
	30.00	299.6	101.2	123.54		
	30.50	300.3	101.9	123.57		
	31.00	300.3	101.9	123.60		
	31.50	301.6	103.2	123.63		
	32.00	302.7	104.3	123.66		
	32.50	302.0	103.6	123.68		
	33.00	303.4	105.0	123.71		
	33.50	305.2	106.8	123.74		
	34.00	306.2	107.8	123.76		
	34.50	305.7	107.3	123.80		
	35.00	306.2	107.8	123.83		
	35.50	306.5	108.1	123.85		
	36.00	307.3	108.9	123.88		
	36.50	307.3	108.9	123.92		
	37.00	307.5	109.1	123.95		
	37.50	308.1	109.7	123.97		
	38.00	307.8	109.4	124.00		
	38.50	310.4	112.0	124.03		
	39.00	309.9	111.5	124.06		
	39.50	310.9	112.5	124.09		
	40.00	311.1	112.7	124.11		
	40.50	312.2	113.8	124.13		
	41.00	312.5	114.1	124.17		
	41.50	313.5	115.1	124.22		
***** End Flow 2	42.00	313.7	115.3	124.22		
***** Start Shutin 2	0.00	313.7	0.0	124.22	0.0000	0.098
	0.50	337.3	23.6	124.24	167.0000	0.114
	1.00	425.1	111.4	124.24	84.0000	0.181
	1.50	511.7	198.0	124.28	56.3333	0.262
	2.00	597.6	283.9	124.30	42.5000	0.357
	2.50	681.5	367.8	124.35	34.2000	0.464
	3.00	761.6	447.9	124.41	28.6667	0.580
	3.50	837.8	524.0	124.46	24.7143	0.702
	4.00	908.6	594.9	124.56	21.7500	0.826
	4.50	973.4	659.7	124.47	19.4444	0.947
	5.00	1031.7	718.0	124.84	17.6000	1.064
	5.50	1083.6	769.9	125.03	16.0909	1.174
	6.00	1128.7	815.0	125.22	14.8333	1.274
	6.50	1167.3	853.5	125.42	13.7692	1.362
	7.00	1200.0	886.3	125.40	12.8571	1.440
	7.50	1227.5	913.8	125.83	12.0667	1.507
	8.00	1250.6	936.9	126.01	11.3750	1.564
	8.50	1269.7	956.0	126.25	10.7647	1.612

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10015 Dirks#1-30 DST#3 Crossbar pet, Inc.

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TIME: 05:31:49

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
9.00	1285.9	972.2	126.44	10.2222	1.654
9.50	1299.5	985.8	126.68	9.7368	1.689
10.00	1310.9	997.2	126.88	9.3000	1.719
10.50	1320.9	1007.2	127.08	8.9048	1.745
11.00	1329.5	1015.8	127.33	8.5455	1.768
11.50	1337.0	1023.2	127.46	8.2174	1.787
12.00	1343.5	1029.8	127.62	7.9167	1.805
12.50	1349.6	1035.9	127.76	7.6400	1.822
13.00	1355.2	1041.5	127.88	7.3846	1.836
13.50	1360.1	1046.4	127.98	7.1481	1.850
14.00	1364.6	1050.9	128.07	6.9286	1.862
14.50	1368.8	1055.1	128.13	6.7241	1.874
15.00	1372.7	1059.0	128.17	6.5333	1.884
15.50	1376.2	1062.5	128.19	6.3548	1.894
16.00	1379.5	1065.8	128.21	6.1875	1.903
16.50	1382.7	1069.0	128.18	6.0303	1.912
17.00	1385.6	1071.9	128.14	5.8824	1.920
17.50	1388.2	1074.4	128.06	5.7429	1.927
18.00	1390.7	1077.0	128.00	5.6111	1.934
18.50	1393.1	1079.4	127.90	5.4865	1.941
19.00	1395.3	1081.6	127.79	5.3684	1.947
19.50	1397.4	1083.7	127.70	5.2564	1.953
20.00	1399.2	1085.5	127.58	5.1500	1.958
20.50	1401.2	1087.5	127.50	5.0488	1.963
21.00	1403.0	1089.3	127.39	4.9524	1.968
21.50	1404.6	1090.9	127.29	4.8605	1.973
22.00	1406.2	1092.5	127.13	4.7727	1.977
22.50	1407.8	1094.1	127.06	4.6889	1.982
23.00	1409.5	1095.8	126.97	4.6087	1.987
23.50	1410.9	1097.2	126.88	4.5319	1.991
24.00	1412.1	1098.4	126.80	4.4583	1.994
24.50	1413.4	1099.7	126.69	4.3878	1.998
25.00	1414.8	1101.0	126.61	4.3200	2.002
25.50	1415.9	1102.1	126.53	4.2549	2.005
26.00	1417.1	1103.4	126.45	4.1923	2.008
26.50	1418.1	1104.4	126.39	4.1321	2.011
27.00	1419.1	1105.4	126.31	4.0741	2.014
27.50	1420.1	1106.4	126.26	4.0182	2.017
28.00	1421.3	1107.6	126.21	3.9643	2.020
28.50	1422.2	1108.5	126.15	3.9123	2.023
29.00	1423.1	1109.4	126.12	3.8621	2.025
29.50	1424.0	1110.3	126.06	3.8136	2.028
30.00	1424.8	1111.1	126.01	3.7667	2.030
30.50	1425.8	1112.0	125.97	3.7213	2.033
31.00	1426.5	1112.8	125.94	3.6774	2.035
31.50	1427.4	1113.6	125.92	3.6349	2.037
32.00	1428.0	1114.3	125.87	3.5938	2.039
32.50	1428.9	1115.1	125.85	3.5538	2.042
33.00	1429.5	1115.8	125.83	3.5152	2.044
33.50	1430.2	1116.5	125.81	3.4776	2.045
34.00	1430.8	1117.1	125.79	3.4412	2.047

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10015 Dirks#1-30 DST#3 Crossbar pet, Inc.

DATE: 05/29/97

TIME: 05:31:49

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
34.50	1431.5	1117.8	125.76	3.4058	2.049
35.00	1432.1	1118.4	125.75	3.3714	2.051
35.50	1432.7	1119.0	125.69	3.3380	2.053
36.00	1433.3	1119.6	125.69	3.3056	2.054
36.50	1433.9	1120.2	125.67	3.2740	2.056
37.00	1434.6	1120.9	125.67	3.2432	2.058
37.50	1435.1	1121.4	125.63	3.2133	2.059
38.00	1435.7	1121.9	125.62	3.1842	2.061
38.50	1436.2	1122.5	125.60	3.1558	2.063
39.00	1436.7	1123.0	125.58	3.1282	2.064
39.50	1437.1	1123.4	125.57	3.1013	2.065
40.00	1437.6	1123.9	125.58	3.0750	2.067
40.50	1438.1	1124.4	125.54	3.0494	2.068
41.00	1438.7	1125.0	125.53	3.0244	2.070
41.50	1439.0	1125.3	125.52	3.0000	2.071
42.00	1439.5	1125.8	125.51	2.9762	2.072
42.50	1439.9	1126.1	125.52	2.9529	2.073
43.00	1440.3	1126.6	125.48	2.9302	2.074
43.50	1440.8	1127.1	125.44	2.9080	2.076
44.00	1441.0	1127.3	125.43	2.8864	2.077
44.50	1441.5	1127.8	125.43	2.8652	2.078
45.00	1441.9	1128.2	125.42	2.8444	2.079
45.50	1442.2	1128.5	125.41	2.8242	2.080
46.00	1442.6	1128.9	125.39	2.8043	2.081
46.50	1443.0	1129.2	125.37	2.7849	2.082
47.00	1443.4	1129.7	125.37	2.7660	2.083
47.50	1443.6	1129.9	125.36	2.7474	2.084
48.00	1444.0	1130.3	125.32	2.7292	2.085
48.50	1444.2	1130.5	125.32	2.7113	2.086
49.00	1444.7	1131.0	125.30	2.6939	2.087
49.50	1445.0	1131.3	125.30	2.6768	2.088
50.00	1445.2	1131.5	125.29	2.6600	2.089
50.50	1445.6	1131.9	125.26	2.6436	2.090
51.00	1445.8	1132.1	125.26	2.6275	2.090
51.50	1446.1	1132.4	125.25	2.6117	2.091
52.00	1446.3	1132.6	125.24	2.5962	2.092
52.50	1446.7	1132.9	125.25	2.5810	2.093
53.00	1446.9	1133.2	125.22	2.5660	2.094
53.50	1447.1	1133.4	125.19	2.5514	2.094
54.00	1447.4	1133.7	125.19	2.5370	2.095
54.50	1447.7	1133.9	125.18	2.5229	2.096
55.00	1447.8	1134.1	125.18	2.5091	2.096
55.50	1448.0	1134.3	125.17	2.4955	2.097
56.00	1448.2	1134.5	125.16	2.4821	2.097
56.50	1448.6	1134.9	125.16	2.4690	2.098
57.00	1448.8	1135.0	125.15	2.4561	2.099
57.50	1449.0	1135.3	125.15	2.4435	2.100
58.00	1449.3	1135.5	125.14	2.4310	2.100
58.50	1449.4	1135.7	125.14	2.4188	2.101
59.00	1449.7	1136.0	125.12	2.4068	2.102
59.50	1449.9	1136.2	125.11	2.3950	2.102

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10015 Dirks#1-30 DST#3 Crossbar pet, Inc.

DATE: 05/29/97

TIME: 05:31:49

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
60.00	1450.2	1136.5	125.11	2.3833	2.103
60.50	1450.3	1136.6	125.11	2.3719	2.103
61.00	1450.5	1136.8	125.11	2.3607	2.104
61.50	1450.7	1137.0	125.10	2.3496	2.104
62.00	1450.9	1137.1	125.09	2.3387	2.105
62.50	1451.0	1137.3	125.09	2.3280	2.105
63.00	1451.2	1137.5	125.09	2.3175	2.106
63.50	1451.4	1137.6	125.08	2.3071	2.106
64.00	1451.5	1137.8	125.07	2.2969	2.107
64.50	1451.7	1138.0	125.06	2.2868	2.107
65.00	1451.9	1138.1	125.06	2.2769	2.108
65.50	1452.0	1138.3	125.05	2.2672	2.108
66.00	1452.2	1138.5	125.03	2.2576	2.109
66.50	1452.4	1138.6	125.02	2.2481	2.109
67.00	1452.4	1138.7	125.03	2.2388	2.110
67.50	1452.8	1139.1	125.03	2.2296	2.111
68.00	1452.8	1139.1	125.03	2.2206	2.111
68.50	1452.9	1139.2	125.04	2.2117	2.111
69.00	1453.2	1139.5	125.03	2.2029	2.112
69.50	1453.3	1139.6	124.99	2.1942	2.112
70.00	1453.5	1139.7	125.00	2.1857	2.113
70.50	1453.7	1140.0	125.00	2.1773	2.113
71.00	1453.8	1140.1	124.99	2.1690	2.114
71.50	1453.8	1140.1	124.99	2.1608	2.114
72.00	1454.1	1140.4	124.99	2.1528	2.114
72.50	1454.1	1140.4	124.99	2.1448	2.114
73.00	1454.2	1140.4	124.99	2.1370	2.115
73.50	1454.4	1140.7	124.98	2.1293	2.115
74.00	1454.5	1140.7	124.98	2.1216	2.115
74.50	1454.6	1140.9	124.98	2.1141	2.116
75.00	1454.7	1141.0	124.97	2.1067	2.116
75.50	1454.9	1141.2	124.97	2.0993	2.117
76.00	1455.0	1141.3	124.97	2.0921	2.117
76.50	1455.1	1141.4	124.97	2.0850	2.117
77.00	1455.0	1141.3	124.96	2.0779	2.117
77.50	1455.3	1141.6	124.96	2.0710	2.118
78.00	1455.4	1141.7	124.96	2.0641	2.118
78.50	1455.5	1141.8	124.96	2.0573	2.118
79.00	1455.6	1141.8	124.96	2.0506	2.119
79.50	1455.7	1142.0	124.95	2.0440	2.119
80.00	1455.8	1142.1	124.95	2.0375	2.119
80.50	1456.0	1142.3	124.95	2.0311	2.120
81.00	1456.1	1142.4	124.95	2.0247	2.120
81.50	1456.1	1142.4	124.95	2.0184	2.120
82.00	1456.1	1142.4	124.96	2.0122	2.120
82.50	1456.2	1142.5	124.95	2.0061	2.121
83.00	1456.3	1142.6	124.96	2.0000	2.121
83.50	1456.4	1142.7	124.93	1.9940	2.121
84.00	1456.6	1142.8	124.91	1.9881	2.122
84.50	1456.6	1142.9	124.90	1.9822	2.122
85.00	1456.8	1143.1	124.90	1.9765	2.122

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10015 Dirks#1-30 DST#3 Crossbar pet, Inc.

DATE: 05/29/97 TIME: 05:31:49

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	85.50	1456.8	1143.1	124.90	1.9708	2.122
	86.00	1456.9	1143.2	124.91	1.9651	2.123
	86.50	1457.2	1143.5	124.91	1.9595	2.123
	87.00	1457.2	1143.5	124.90	1.9540	2.123
	87.50	1457.2	1143.5	124.90	1.9486	2.123
	88.00	1457.3	1143.5	124.90	1.9432	2.124
	88.50	1457.3	1143.6	124.89	1.9379	2.124
	89.00	1457.5	1143.8	124.89	1.9326	2.124
	89.50	1457.5	1143.8	124.89	1.9274	2.124
	90.00	1457.7	1144.0	124.89	1.9222	2.125
	90.50	1457.7	1144.0	124.89	1.9171	2.125
	91.00	1457.8	1144.0	124.88	1.9121	2.125
***** End Shut-in 2	91.50	1457.8	1144.1	124.88	1.9071	2.125
***** Final Hydro.	404.50	2401.7	0.0	124.13		

TEST HISTORY

Tk#10015 Dirks#1-30 DST#3 Crossbar pet, Inc.

Flag Points

t(Min.) P(PSig)

A: 0.00 2419.63
 B: 0.00 172.55
 C: 41.00 219.21
 D: 59.50 1456.56
 E: 0.00 198.40
 F: 42.00 313.71
 G: 91.50 1457.82
 Q: 0.00 2401.67

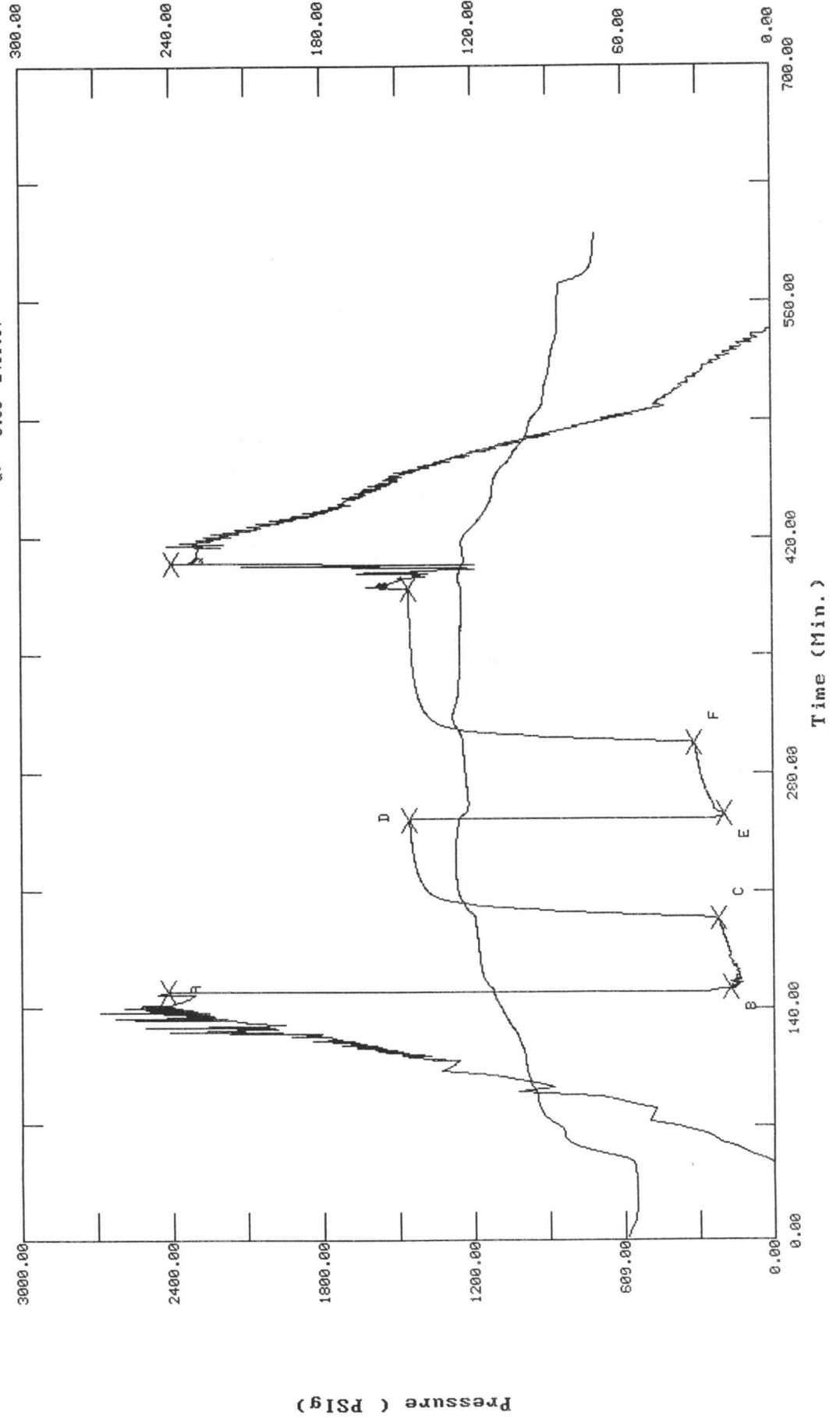
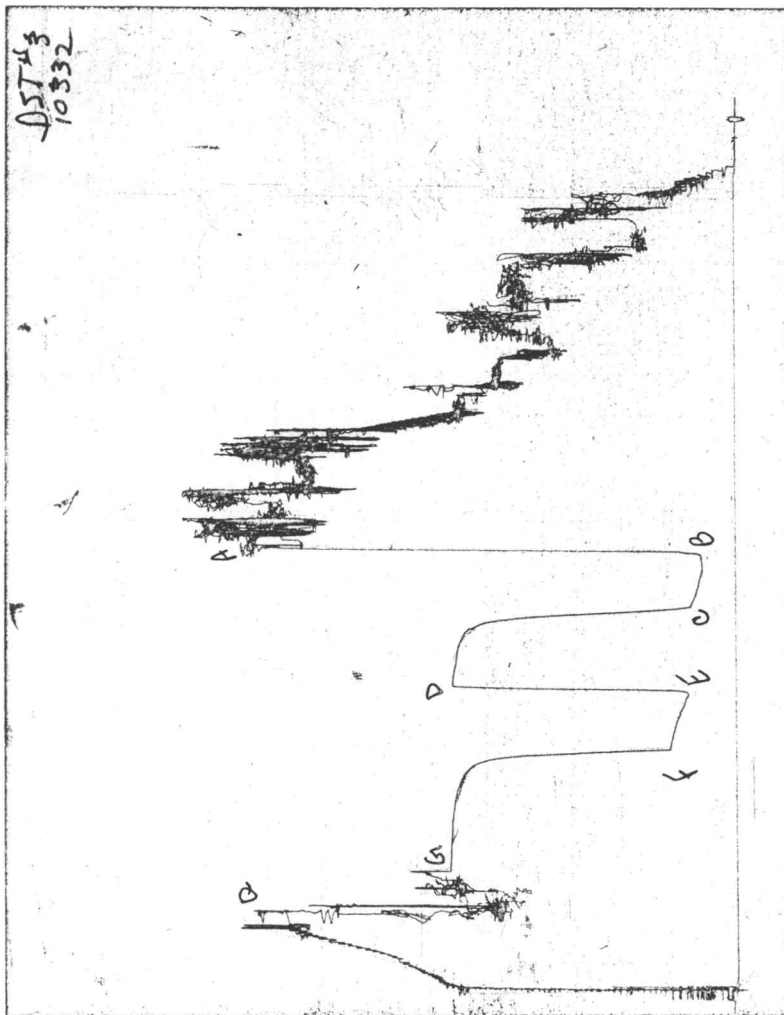


CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Petroleum Inc.
WELL NAME: Dirks #1-30
LOCATION : Sec 30 Twp.28s Rge.18w
INTERVAL : 4878.00 To 4928.00 ft

DATE 05/30/97
KB 2296.00 ft TICKET NO: 10178 DST #4
GR 2287.00 ft FORMATION: Mississippi
TD 4928.00 ft TEST TYPE: CONV-STRADDLE

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	11084	11084	Alpine			PF Fr. 1947 to 2017 hr
SI 30	Range(Psi)	4350.0	4250.0	4995.0	0.0	0.0	IS Fr. 2017 to 2047 hr
SF 30	Clock(hrs)	12hr.	12hr.	Elec			SF Fr. 2047 to 2117 hr
FS 30	Depth(ft)	4923.0	4568.0	4542.0	0.0	0.0	FS Fr. 2117 to 2147 hr

	Field	1	2	3	4	
A. Init Hydro	2500.0	2500.0	2420.0	0.0	0.0	T STARTED 1821 hr
B. First Flow	87.0	67.0	42.0	0.0	0.0	T ON BOTM 1944 hr
B1. Final Flow	87.0	73.0	54.0	0.0	0.0	T OPEN 1947 hr
C. In Shut-in	110.0	86.0	69.0	0.0	0.0	T PULLED 2147 hr
D. Init Flow	87.0	75.0	54.0	0.0	0.0	T OUT 2341 hr
E. Final Flow	87.0	75.0	58.0	0.0	0.0	
F. Fl Shut-in	99.0	80.0	65.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2446.0	2419.0	2350.0	0.0	0.0	Tool Wt. 9000.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 95000.00 lbs
						Initial Str Wt 83000.00 lbs
						Unseated Str Wt 83000.00 lbs

RECOVERY

Tot Fluid 61.00 ft of 61.00 ft in DC and 0.00 ft in DP
61.00 ft of 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

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

BLOW DESCRIPTION

Initial Flow-
weak 1 3/4" throughout

Initial Shutin-
no blow

Final Flow-
no blow

Final Shutin-
no blow

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/c
Vis.	48.00 S/L
W.L.	10.40 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	115.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	3
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Paul Simpson
Co. Rep.	Harold Trapp
Contr.	Sterling
Rig #	4
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** CONV-STRADDLE

ELL NAME: Dirks #1-30

LOCATION : Sec 30 Twp.28s Rge.18w

TICKET No. 10178 D.S.T. No. 4 DATE 05/30/97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL 20 perf

TOTAL PACKERS AND ANCHOR 172tail

TOTAL TOOL 219

WELL COLLAR ANCHOR IN INTERVAL

C. ANCHOR STND.Stands Single Total

P. ANCHOR STND.Stands Single 1 Total 30

TOTAL ASSEMBLY 249

C. ABOVE TOOLS.Stands9 Single Total 544

P. ABOVE TOOLS.Stands70 Single 1 Total 4336

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5129

TOTAL DEPTH 5100

TOTAL DRILL PIPE ABOVE K.B. 29

REMARKS:

P.O. SUB	
C.O. SUB Top of tool @	4851
S.I. TOOL H & T	4857
HMV Sterling	4862
JARS Sterling	4867
SAFETY JOINT Bowen	4869
PACKER Top	4873
PACKER Bottom	4878
DEPTH 4878	
STUBB 1'	4879
ANCHOR	
6' perf	4885
Alpine rec. @4886	
1 joint of pipe	
& subs to	4918
5' perf	4923
AK- rec @ 4923	
T.C. blank off sub	4924
DEPTH	
PACKER Straddle	4928
stub	4929
5'perf	4934
4'perf	4938
2'perf & AK-1 rec@	4940
5 joints of pipe	
@ subs to	5097
BULLNOSE 3' bullplug	
T.D. to	5100

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10178 DST#4 Crossbar Pet Dirks 1-30

DATE: 05/30/97

TIME: 17:46:15

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	125.50	2419.8	0.0	111.89		
***** Start Flow 1	0.00	41.7	0.0	111.96		
	0.25	41.8	0.2	112.00		
	0.50	42.4	0.7	112.03		
	0.75	42.9	1.2	112.07		
	1.00	43.3	1.6	112.09		
	1.25	43.7	2.0	112.12		
	1.50	44.1	2.4	112.14		
	1.75	44.3	2.6	112.17		
	2.00	44.7	3.0	112.19		
	2.25	45.0	3.3	112.20		
	2.50	45.3	3.6	112.21		
	2.75	45.6	3.9	112.23		
	3.00	45.8	4.2	112.24		
	3.25	46.2	4.5	112.26		
	3.50	46.4	4.7	112.26		
	3.75	46.6	4.9	112.28		
	4.00	46.8	5.1	112.29		
	4.25	47.0	5.3	112.29		
	4.50	47.1	5.5	112.30		
	4.75	47.2	5.5	112.32		
	5.00	47.3	5.6	112.31		
	5.25	47.6	5.9	112.32		
	5.50	47.7	6.0	112.33		
	5.75	47.9	6.2	112.33		
	6.00	48.0	6.3	112.34		
	6.25	48.2	6.5	112.34		
	6.50	48.3	6.6	112.35		
	6.75	48.4	6.7	112.35		
	7.00	48.6	6.9	112.36		
	7.25	48.9	7.2	112.36		
	7.50	48.8	7.1	112.37		
	7.75	48.9	7.2	112.38		
	8.00	49.2	7.5	112.38		
	8.25	49.2	7.5	112.39		
	8.50	49.3	7.6	112.39		
	8.75	49.3	7.6	112.39		
	9.00	49.4	7.7	112.40		
	9.25	49.3	7.7	112.41		
	9.50	49.5	7.8	112.40		
	9.75	49.5	7.9	112.41		
	10.00	49.7	8.0	112.42		
	10.25	49.9	8.2	112.43		
	10.50	50.1	8.4	112.42		
	10.75	50.1	8.4	112.43		
	11.00	50.3	8.7	112.44		
	11.25	50.3	8.6	112.44		
	11.50	50.1	8.4	112.45		
	11.75	50.5	8.8	112.45		
	12.00	50.4	8.7	112.46		
	12.25	50.7	9.0	112.46		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10178 DST#4 Crossbar Pet Dirks 1-30

DATE: 05/30/97

TIME: 17:46:15

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
12.50	50.9	9.2	112.47		
12.75	50.9	9.2	112.48		
13.00	50.9	9.3	112.48		
13.25	51.0	9.3	112.48		
13.50	51.0	9.3	112.49		
13.75	51.1	9.4	112.50		
14.00	51.2	9.5	112.50		
14.25	51.2	9.5	112.51		
14.50	51.3	9.6	112.52		
14.75	51.3	9.6	112.52		
15.00	51.3	9.7	112.52		
15.25	51.4	9.8	112.54		
15.50	51.5	9.8	112.54		
15.75	51.6	10	112.54		
16.00	51.6	9.9	112.55		
16.25	51.6	9.9	112.56		
16.50	51.7	10.1	112.56		
16.75	51.9	10.2	112.57		
17.00	51.8	10.1	112.58		
17.25	52.0	10.3	112.59		
17.50	51.9	10.2	112.60		
17.75	52.1	10.4	112.60		
18.00	52.2	10.5	112.61		
18.25	52.4	10.7	112.62		
18.50	52.6	10.9	112.62		
18.75	52.6	11.0	112.63		
19.00	52.8	11.1	112.64		
19.25	52.9	11.2	112.65		
19.50	52.8	11.1	112.65		
19.75	52.7	11.0	112.66		
20.00	52.7	11.0	112.67		
20.25	52.7	11.1	112.68		
20.50	52.8	11.2	112.69		
20.75	53.0	11.4	112.69		
21.00	53.0	11.3	112.71		
21.25	53.5	11.8	112.71		
21.50	53.2	11.5	112.71		
21.75	53.1	11.4	112.72		
22.00	53.0	11.3	112.73		
22.25	53.0	11.3	112.74		
22.50	53.1	11.4	112.75		
22.75	53.0	11.3	112.76		
23.00	53.3	11.6	112.77		
23.25	53.4	11.8	112.78		
23.50	53.3	11.7	112.79		
23.75	53.4	11.7	112.79		
24.00	53.5	11.8	112.80		
24.25	53.4	11.8	112.81		
24.50	53.4	11.8	112.82		
24.75	53.6	11.9	112.83		
25.00	53.6	11.9	112.84		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10178 DST#4 Crossbar Pet Dirks 1-30

DATE: 05/30/97

TIME: 17:46:15

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	25.25	53.6	11.9	112.85		
	25.50	53.6	11.9	112.85		
	25.75	53.7	12.0	112.86		
	26.00	53.6	12.0	112.87		
	26.25	53.9	12.2	112.88		
	26.50	54.2	12.5	112.89		
	26.75	54.4	12.7	112.90		
	27.00	54.5	12.8	112.89		
	27.25	54.5	12.8	112.91		
	27.50	54.3	12.6	112.92		
	27.75	54.2	12.5	112.94		
	28.00	54.1	12.4	112.94		
	28.25	54.1	12.4	112.95		
	28.50	54.5	12.8	112.95		
	28.75	54.6	12.9	112.96		
	29.00	54.8	13.1	112.98		
	29.25	55.0	13.3	112.99		
	29.50	55.2	13.5	113.00		
	29.75	53.4	11.7	113.01		
	30.00	53.6	11.9	113.01		
	30.25	53.8	12.1	113.02		
	30.50	53.9	12.3	113.04		
	30.75	54.1	12.4	113.04		
	31.00	54.2	12.5	113.05		
***** End Flow 1	31.25	53.6	11.9	113.06		
***** Start Shutin 1	0.00	53.6	0.0	113.06	0.0000	0.003
	0.25	53.8	0.2	113.07	126.0000	0.003
	0.50	54.2	0.6	113.08	63.5000	0.003
	0.75	54.4	0.8	113.09	42.6667	0.003
	1.00	54.5	0.9	113.09	32.2500	0.003
	1.25	54.8	1.2	113.10	26.0000	0.003
	1.50	54.9	1.3	113.11	21.8333	0.003
	1.75	55.0	1.4	113.12	18.8571	0.003
	2.00	55.2	1.6	113.14	16.6250	0.003
	2.25	55.4	1.8	113.14	14.8889	0.003
	2.50	55.6	1.9	113.14	13.5000	0.003
	2.75	55.7	2.1	113.15	12.3636	0.003
	3.00	55.9	2.2	113.17	11.4167	0.003
	3.25	56.0	2.4	113.18	10.6154	0.003
	3.50	56.1	2.5	113.19	9.9286	0.003
	3.75	56.2	2.6	113.19	9.3333	0.003
	4.00	56.4	2.8	113.20	8.8125	0.003
	4.25	56.6	3.0	113.22	8.3529	0.003
	4.50	56.7	3.1	113.22	7.9444	0.003
	4.75	56.9	3.3	113.23	7.5789	0.003
	5.00	57.1	3.4	113.24	7.2500	0.003
	5.25	57.2	3.6	113.24	6.9524	0.003
	5.50	57.4	3.8	113.26	6.6818	0.003
	5.75	57.5	3.9	113.27	6.4348	0.003
	6.00	57.6	4.0	113.27	6.2083	0.003
	6.25	57.8	4.2	113.28	6.0000	0.003

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10178 DST#4 Crossbar Pet Dirks 1-30

DATE: 05/30/97

TIME: 17:46:15

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
6.50	58.0	4.4	113.29	5.8077	0.003
6.75	58.0	4.4	113.30	5.6296	0.003
7.00	58.2	4.6	113.31	5.4643	0.003
7.25	58.4	4.8	113.32	5.3103	0.003
7.50	58.5	4.9	113.33	5.1667	0.003
7.75	58.7	5.0	113.32	5.0323	0.003
8.00	58.8	5.2	113.34	4.9062	0.003
8.25	58.9	5.3	113.35	4.7879	0.003
8.50	59.1	5.5	113.36	4.6765	0.003
8.75	59.2	5.6	113.37	4.5714	0.004
9.00	59.3	5.7	113.37	4.4722	0.004
9.25	59.4	5.8	113.38	4.3784	0.004
9.50	59.6	6.0	113.39	4.2895	0.004
9.75	59.7	6.1	113.40	4.2051	0.004
10.00	59.8	6.2	113.41	4.1250	0.004
10.25	60.0	6.4	113.42	4.0488	0.004
10.50	60.1	6.5	113.43	3.9762	0.004
10.75	60.3	6.6	113.43	3.9070	0.004
11.00	60.4	6.8	113.44	3.8409	0.004
11.25	60.4	6.8	113.45	3.7778	0.004
11.50	60.7	7.0	113.46	3.7174	0.004
11.75	60.7	7.1	113.46	3.6596	0.004
12.00	60.9	7.3	113.48	3.6042	0.004
12.25	61.0	7.4	113.48	3.5510	0.004
12.50	61.1	7.5	113.49	3.5000	0.004
12.75	61.3	7.7	113.50	3.4510	0.004
13.00	61.4	7.8	113.50	3.4038	0.004
13.25	61.5	7.9	113.52	3.3585	0.004
13.50	61.7	8.1	113.52	3.3148	0.004
13.75	61.8	8.2	113.53	3.2727	0.004
14.00	61.9	8.3	113.54	3.2321	0.004
14.25	62.1	8.5	113.54	3.1930	0.004
14.50	62.2	8.6	113.56	3.1552	0.004
14.75	62.3	8.7	113.56	3.1186	0.004
15.00	62.5	8.9	113.57	3.0833	0.004
15.25	62.6	9.0	113.58	3.0492	0.004
15.50	62.7	9.1	113.59	3.0161	0.004
15.75	62.8	9.2	113.59	2.9841	0.004
16.00	62.9	9.3	113.60	2.9531	0.004
16.25	63.1	9.5	113.61	2.9231	0.004
16.50	63.2	9.6	113.62	2.8939	0.004
16.75	63.4	9.7	113.62	2.8657	0.004
17.00	63.5	9.9	113.63	2.8382	0.004
17.25	63.5	9.9	113.64	2.8116	0.004
17.50	63.6	10.0	113.65	2.7857	0.004
17.75	63.8	10.1	113.66	2.7606	0.004
18.00	63.9	10.3	113.66	2.7361	0.004
18.25	64.0	10.4	113.67	2.7123	0.004
18.50	64.1	10.5	113.68	2.6892	0.004
18.75	64.2	10.6	113.70	2.6667	0.004
19.00	64.4	10.8	113.69	2.6447	0.004

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10178 DST#4 Crossbar Pet Dirks 1-30

DATE: 05/30/97

TIME: 17:46:15

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	19.25	64.4	10.8	113.70	2.6234	0.004
	19.50	64.6	10.9	113.71	2.6026	0.004
	19.75	64.7	11.0	113.72	2.5823	0.004
	20.00	64.8	11.2	113.73	2.5625	0.004
	20.25	64.9	11.3	113.73	2.5432	0.004
	20.50	65.0	11.4	113.74	2.5244	0.004
	20.75	65.1	11.5	113.75	2.5060	0.004
	21.00	65.3	11.7	113.75	2.4881	0.004
	21.25	65.4	11.8	113.76	2.4706	0.004
	21.50	65.5	11.9	113.77	2.4535	0.004
	21.75	65.6	12.0	113.78	2.4368	0.004
	22.00	65.7	12.1	113.79	2.4205	0.004
	22.25	65.9	12.3	113.79	2.4045	0.004
	22.50	66.0	12.3	113.80	2.3889	0.004
	22.75	66.1	12.5	113.80	2.3736	0.004
	23.00	66.2	12.6	113.81	2.3587	0.004
	23.25	66.4	12.8	113.82	2.3441	0.004
	23.50	66.5	12.8	113.83	2.3298	0.004
	23.75	66.5	12.9	113.84	2.3158	0.004
	24.00	66.7	13.1	113.85	2.3021	0.004
	24.25	66.8	13.2	113.85	2.2887	0.004
	24.50	66.9	13.3	113.86	2.2755	0.004
	24.75	67.0	13.3	113.86	2.2626	0.004
	25.00	67.1	13.5	113.87	2.2500	0.005
	25.25	67.2	13.6	113.88	2.2376	0.005
	25.50	67.3	13.7	113.89	2.2255	0.005
	25.75	67.4	13.8	113.89	2.2136	0.005
	26.00	67.6	14.0	113.90	2.2019	0.005
	26.25	67.7	14.1	113.91	2.1905	0.005
	26.50	67.7	14.1	113.91	2.1792	0.005
	26.75	67.9	14.3	113.93	2.1682	0.005
	27.00	67.9	14.3	113.92	2.1574	0.005
	27.25	68.1	14.5	113.93	2.1468	0.005
	27.50	68.2	14.6	113.94	2.1364	0.005
	27.75	68.3	14.7	113.95	2.1261	0.005
	28.00	68.4	14.7	113.95	2.1161	0.005
	28.25	68.5	14.9	113.96	2.1062	0.005
	28.50	68.6	14.9	113.97	2.0965	0.005
***** End Shut-in 1	28.75	68.6	14.9	113.98	2.0870	0.005
***** Start Flow 2	0.00	54.3	0.0	113.99		
	0.25	54.3	0.0	113.99		
	0.50	54.6	0.3	114.01		
	0.75	54.7	0.5	114.01		
	1.00	54.9	0.6	114.01		
	1.25	55.1	0.8	114.01		
	1.50	55.3	1	114.03		
	1.75	55.4	1.1	114.03		
	2.00	55.5	1.3	114.04		
	2.25	55.6	1.3	114.05		
	2.50	55.3	1.1	114.05		
	2.75	55.2	0.9	114.06		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10178 DST#4 Crossbar Pet Dirks 1-30

DATE: 05/30/97

TIME: 17:46:15

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
3.00	55.3	1	114.07		
3.25	55.4	1.1	114.07		
3.50	55.5	1.2	114.08		
3.75	55.6	1.3	114.08		
4.00	55.7	1.4	114.09		
4.25	55.8	1.5	114.09		
4.50	55.8	1.5	114.10		
4.75	55.9	1.7	114.11		
5.00	56.1	1.8	114.12		
5.25	56.1	1.8	114.13		
5.50	55.8	1.5	114.13		
5.75	55.8	1.5	114.14		
6.00	55.8	1.5	114.15		
6.25	55.9	1.6	114.15		
6.50	55.9	1.6	114.15		
6.75	56.0	1.7	114.16		
7.00	56.0	1.7	114.17		
7.25	56.0	1.8	114.17		
7.50	56.1	1.8	114.18		
7.75	56.1	1.8	114.18		
8.00	56.1	1.8	114.19		
8.25	56.1	1.8	114.19		
8.50	56.1	1.8	114.20		
8.75	56.1	1.9	114.21		
9.00	56.2	1.9	114.22		
9.25	56.2	2.0	114.22		
9.50	56.2	1.9	114.23		
9.75	56.2	1.9	114.23		
10.00	56.2	1.9	114.24		
10.25	56.3	2.0	114.25		
10.50	56.3	2.1	114.25		
10.75	56.4	2.1	114.26		
11.00	56.4	2.1	114.26		
11.25	56.6	2.3	114.26		
11.50	56.6	2.3	114.27		
11.75	56.5	2.2	114.28		
12.00	56.4	2.1	114.29		
12.25	56.4	2.1	114.29		
12.50	56.4	2.1	114.30		
12.75	56.5	2.2	114.30		
13.00	56.5	2.3	114.31		
13.25	56.6	2.3	114.32		
13.50	56.7	2.4	114.32		
13.75	56.7	2.5	114.33		
14.00	56.6	2.4	114.33		
14.25	56.5	2.2	114.34		
14.50	56.5	2.3	114.34		
14.75	56.6	2.3	114.35		
15.00	56.7	2.4	114.36		
15.25	56.6	2.3	114.37		
15.50	56.8	2.5	114.37		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10178 DST#4 Crossbar Pet Dirks 1-30

DATE: 05/30/97

TIME: 17:46:15

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
15.75	56.8	2.5	114.37		
16.00	56.8	2.6	114.38		
16.25	56.8	2.6	114.38		
16.50	56.8	2.5	114.39		
16.75	56.8	2.5	114.41		
17.00	56.9	2.6	114.40		
17.25	56.9	2.6	114.41		
17.50	56.9	2.7	114.41		
17.75	56.9	2.6	114.42		
18.00	57.0	2.7	114.43		
18.25	57.1	2.8	114.43		
18.50	57.0	2.7	114.44		
18.75	57.0	2.7	114.44		
19.00	57.0	2.7	114.45		
19.25	57.0	2.7	114.46		
19.50	57.0	2.8	114.46		
19.75	57.1	2.8	114.47		
20.00	57.2	2.9	114.47		
20.25	57.2	3.0	114.48		
20.50	57.3	3.0	114.49		
20.75	57.1	2.8	114.50		
21.00	57.1	2.9	114.50		
21.25	57.2	2.9	114.50		
21.50	57.2	2.9	114.51		
21.75	57.2	3.0	114.51		
22.00	57.3	3.0	114.51		
22.25	57.4	3.1	114.52		
22.50	57.4	3.1	114.53		
22.75	57.4	3.1	114.52		
23.00	57.4	3.1	114.54		
23.25	57.3	3.1	114.54		
23.50	57.4	3.1	114.55		
23.75	57.4	3.2	114.55		
24.00	57.5	3.2	114.55		
24.25	57.5	3.2	114.56		
24.50	57.5	3.2	114.56		
24.75	57.5	3.2	114.58		
25.00	57.4	3.2	114.58		
25.25	57.5	3.2	114.59		
25.50	57.5	3.2	114.59		
25.75	57.5	3.2	114.59		
26.00	57.6	3.3	114.59		
26.25	57.6	3.3	114.60		
26.50	57.6	3.4	114.61		
26.75	57.6	3.3	114.62		
27.00	57.6	3.3	114.62		
27.25	57.5	3.3	114.62		
27.50	57.5	3.2	114.62		
27.75	57.6	3.3	114.63		
28.00	57.6	3.3	114.63		
28.25	57.7	3.4	114.65		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10178 DST#4 Crossbar Pet Dirks 1-30

DATE: 05/30/97

TIME: 17:46:15

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	28.50	57.7	3.4	114.65		
	28.75	57.8	3.5	114.65		
	29.00	58.0	3.7	114.66		
	29.25	58.0	3.7	114.66		
	29.50	58.0	3.8	114.67		
***** End Flow 2	29.75	57.9	3.6	114.68		
***** Start Shutin 2	0.00	57.9	0.0	114.68	0.0000	0.003
	0.25	58.0	0.1	114.68	245.0000	0.003
	0.50	58.1	0.2	114.69	123.0000	0.003
	0.75	58.1	0.2	114.68	82.3333	0.003
	1.00	58.1	0.2	114.70	62.0000	0.003
	1.25	58.3	0.4	114.70	49.8000	0.003
	1.50	58.3	0.4	114.71	41.6667	0.003
	1.75	58.4	0.4	114.71	35.8571	0.003
	2.00	58.5	0.5	114.71	31.5000	0.003
	2.25	58.6	0.6	114.72	28.1111	0.003
	2.50	58.6	0.6	114.72	25.4000	0.003
	2.75	58.7	0.7	114.73	23.1818	0.003
	3.00	58.7	0.8	114.73	21.3333	0.003
	3.25	58.8	0.8	114.74	19.7692	0.003
	3.50	58.8	0.9	114.74	18.4286	0.003
	3.75	58.9	1.0	114.75	17.2667	0.003
	4.00	59.0	1.0	114.75	16.2500	0.003
	4.25	59.1	1.2	114.76	15.3529	0.003
	4.50	59.2	1.2	114.77	14.5556	0.004
	4.75	59.2	1.3	114.77	13.8421	0.004
	5.00	59.3	1.3	114.77	13.2000	0.004
	5.25	59.4	1.5	114.78	12.6190	0.004
	5.50	59.5	1.6	114.78	12.0909	0.004
	5.75	59.5	1.6	114.79	11.6087	0.004
	6.00	59.6	1.6	114.79	11.1667	0.004
	6.25	59.6	1.7	114.80	10.7600	0.004
	6.50	59.7	1.8	114.80	10.3846	0.004
	6.75	59.8	1.9	114.81	10.0370	0.004
	7.00	59.9	2.0	114.80	9.7143	0.004
	7.25	59.9	2.0	114.82	9.4138	0.004
	7.50	60.0	2.1	114.81	9.1333	0.004
	7.75	60.1	2.1	114.82	8.8710	0.004
	8.00	60.2	2.3	114.83	8.6250	0.004
	8.25	60.2	2.2	114.84	8.3939	0.004
	8.50	60.3	2.4	114.84	8.1765	0.004
	8.75	60.3	2.4	114.84	7.9714	0.004
	9.00	60.4	2.5	114.85	7.7778	0.004
	9.25	60.5	2.6	114.85	7.5946	0.004
	9.50	60.5	2.6	114.86	7.4211	0.004
	9.75	60.6	2.6	114.85	7.2564	0.004
	10.00	60.6	2.7	114.86	7.1000	0.004
	10.25	60.7	2.8	114.87	6.9512	0.004
	10.50	60.8	2.9	114.87	6.8095	0.004
	10.75	60.8	2.9	114.88	6.6744	0.004
	11.00	60.9	3.0	114.88	6.5455	0.004

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10178 DST#4 Crossbar Pet Dirks 1-30

DATE: 05/30/97

TIME: 17:46:15

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
11.25	60.9	3.0	114.89	6.4222	0.004
11.50	61.0	3.1	114.90	6.3043	0.004
11.75	61.1	3.2	114.90	6.1915	0.004
12.00	61.2	3.2	114.91	6.0833	0.004
12.25	61.3	3.3	114.91	5.9796	0.004
12.50	61.3	3.4	114.92	5.8800	0.004
12.75	61.4	3.5	114.92	5.7843	0.004
13.00	61.5	3.6	114.92	5.6923	0.004
13.25	61.5	3.6	114.93	5.6038	0.004
13.50	61.7	3.8	114.93	5.5185	0.004
13.75	61.7	3.8	114.94	5.4364	0.004
14.00	61.8	3.9	114.94	5.3571	0.004
14.25	61.8	3.9	114.95	5.2807	0.004
14.50	61.9	4.0	114.95	5.2069	0.004
14.75	61.9	4.0	114.96	5.1356	0.004
15.00	62.0	4.0	114.95	5.0667	0.004
15.25	62.0	4.1	114.97	5.0000	0.004
15.50	62.1	4.2	114.97	4.9355	0.004
15.75	62.2	4.2	114.98	4.8730	0.004
16.00	62.2	4.3	114.98	4.8125	0.004
16.25	62.3	4.4	114.99	4.7538	0.004
16.50	62.3	4.4	114.99	4.6970	0.004
16.75	62.4	4.5	114.99	4.6418	0.004
17.00	62.5	4.5	115.00	4.5882	0.004
17.25	62.5	4.6	115.01	4.5362	0.004
17.50	62.7	4.7	115.01	4.4857	0.004
17.75	62.7	4.8	115.01	4.4366	0.004
18.00	62.8	4.9	115.02	4.3889	0.004
18.25	62.7	4.8	115.02	4.3425	0.004
18.50	62.9	4.9	115.03	4.2973	0.004
18.75	62.9	5.0	115.03	4.2533	0.004
19.00	62.9	5.0	115.04	4.2105	0.004
19.25	63.0	5.1	115.04	4.1688	0.004
19.50	63.0	5.1	115.04	4.1282	0.004
19.75	63.1	5.2	115.05	4.0886	0.004
20.00	63.2	5.3	115.05	4.0500	0.004
20.25	63.3	5.4	115.06	4.0123	0.004
20.50	63.4	5.5	115.06	3.9756	0.004
20.75	63.4	5.5	115.07	3.9398	0.004
21.00	63.5	5.6	115.07	3.9048	0.004
21.25	63.6	5.6	115.07	3.8706	0.004
21.50	63.7	5.7	115.08	3.8372	0.004
21.75	63.7	5.7	115.08	3.8046	0.004
22.00	63.8	5.8	115.09	3.7727	0.004
22.25	63.8	5.9	115.09	3.7416	0.004
22.50	63.9	5.9	115.10	3.7111	0.004
22.75	63.9	6.0	115.10	3.6813	0.004
23.00	64.0	6.0	115.10	3.6522	0.004
23.25	64.0	6.1	115.10	3.6237	0.004
23.50	64.2	6.3	115.11	3.5957	0.004
23.75	64.2	6.3	115.12	3.5684	0.004

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10178 DST#4 Crossbar Pet Dirks 1-30

DATE: 05/30/97

TIME: 17:46:15

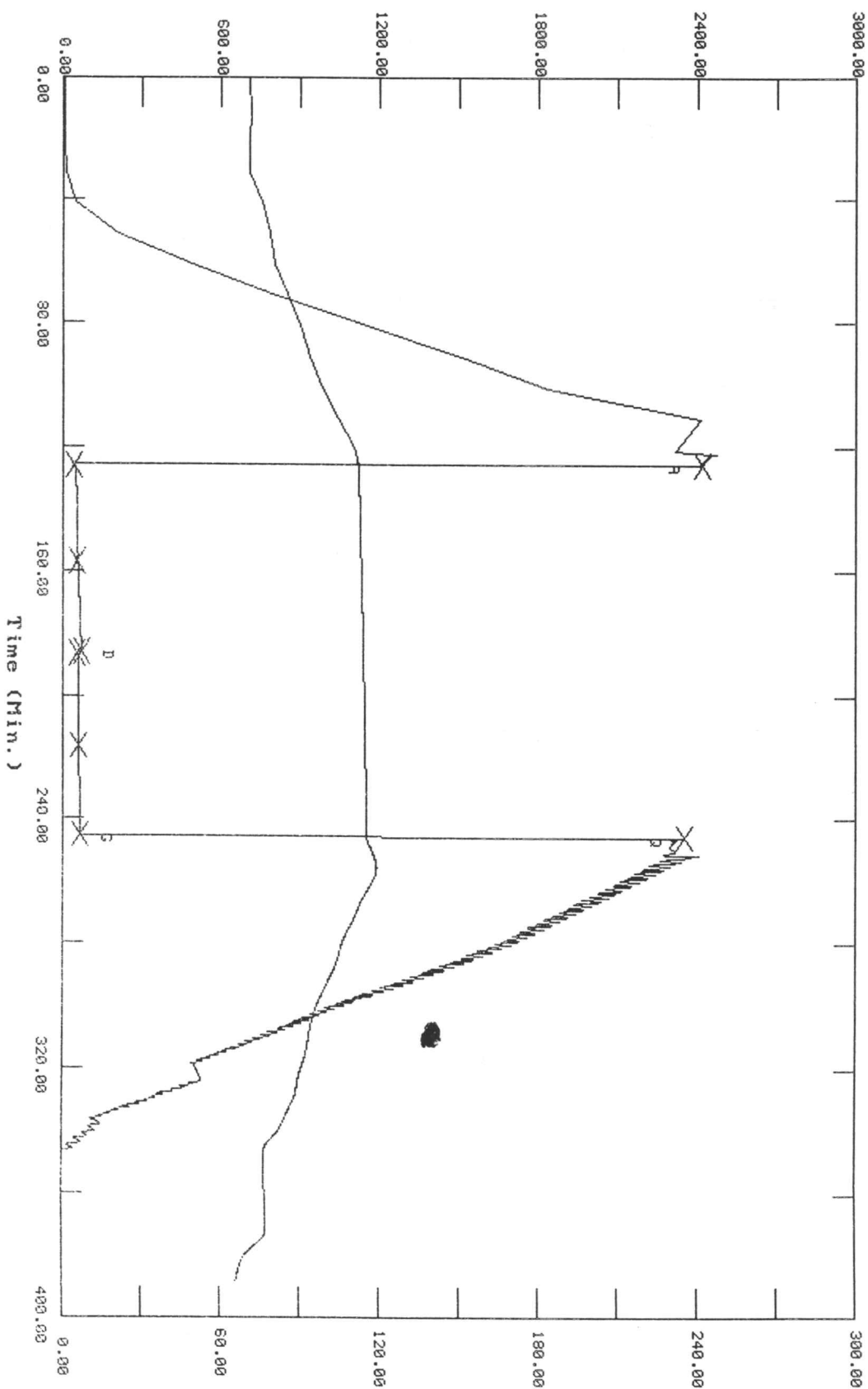
	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	24.00	64.2	6.3	115.12	3.5417	0.004
	24.25	64.3	6.4	115.13	3.5155	0.004
	24.50	64.3	6.4	115.13	3.4898	0.004
	24.75	64.4	6.4	115.14	3.4646	0.004
	25.00	64.5	6.5	115.14	3.4400	0.004
	25.25	64.5	6.6	115.14	3.4158	0.004
	25.50	64.5	6.6	115.15	3.3922	0.004
	25.75	64.6	6.7	115.15	3.3689	0.004
	26.00	64.7	6.7	115.15	3.3462	0.004
	26.25	64.8	6.9	115.16	3.3238	0.004
	26.50	64.8	6.9	115.17	3.3019	0.004
	26.75	65.0	7.1	115.17	3.2804	0.004
	27.00	65.0	7.1	115.17	3.2593	0.004
	27.25	65.0	7.1	115.18	3.2385	0.004
	27.50	65.1	7.2	115.19	3.2182	0.004
	27.75	65.1	7.2	115.19	3.1982	0.004
	28.00	65.2	7.3	115.19	3.1786	0.004
	28.25	65.2	7.3	115.19	3.1593	0.004
	28.50	65.3	7.4	115.19	3.1404	0.004
	28.75	65.4	7.5	115.20	3.1217	0.004
***** End Shut-in 2	29.00	65.5	7.6	115.21	3.1034	0.004
***** Final Hydro.	245.75	2350.2	0.0	115.24		

TEST HISTORY

10178 DST#4 Crossbar Pet Dirks 1-30

Flag Points

t(Min.)	P (PSig)
A: 0.00	2419.76
B: 0.00	41.68
C: 31.25	53.62
D: 28.75	68.56
E: 0.00	54.28
F: 29.75	57.92
G: 29.00	65.51
H: 0.00	2350.20

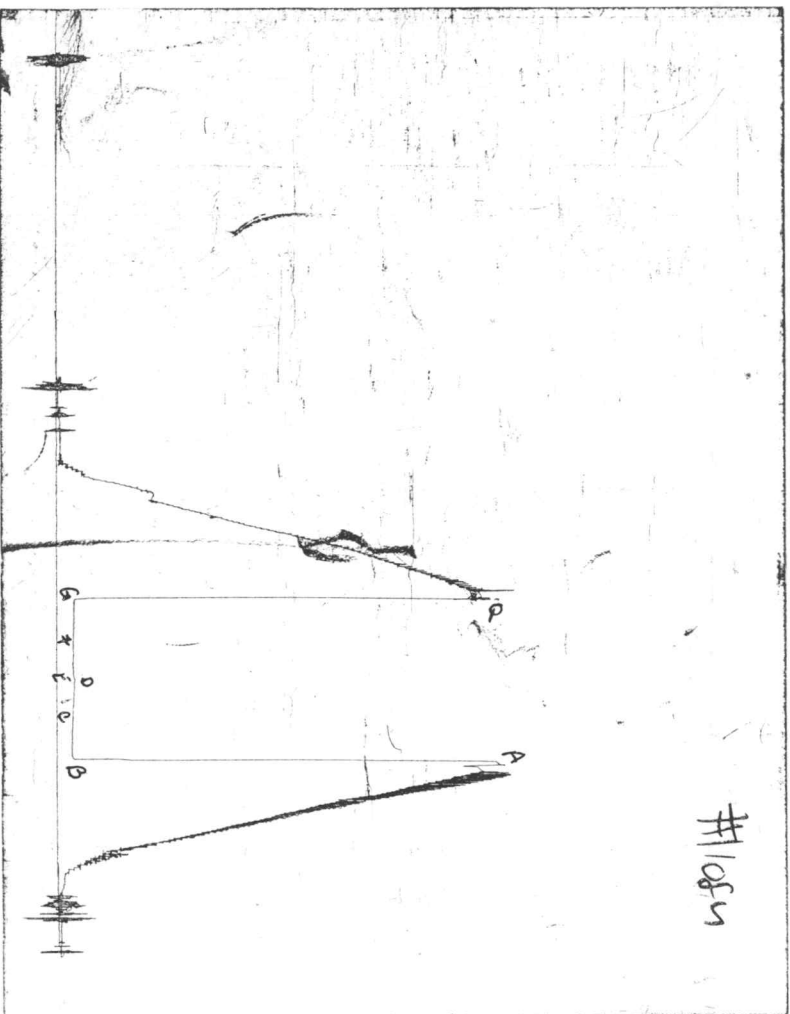


Pressure (PSig)

Temperature (DEG F)

Time (Min.)

CHART PAGE



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