15-033-20910

3-33s-19w

WELL NAME:	Webster #3-3
OPERATOR:	Samuel Gary Jr & Assoc
LOCATION:	Sec 3 Twp 33S Rge 19W
	Comanche County Kansas
DATE:	05/06/96

TRILOBITE TESTING L.L.C.

OPERATOR : Samuel Gary Jr & Assoc. DATE 5-2-96
WELL NAME: Webster #3-3 KB 1945.00 ft TICKET NO: 8722 DST #1
LOCATION : 3-33S-19W Comanche Cty KS GR 1932.00 ft FORMATION: MARMATON
INTERVAL : 4920.00 To 4943.00 ft TD 4943.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4
PF 10	Rec.	13754	13754	3024		
SI 90	Range(Psi)	4000.0	4000.0	4995.0	0.0	0.0
SF 105	Clock(hrs)	AK-1	AK-1	Alpin		
FS 210	Depth(ft)	4940.0	4940.0	4922.0	0.0	0.0

TIME DATA----------
PF Fr. 2055 to 2105 hr
IS Fr. 2105 to 2235 hr
SF Fr. 2235 to 0020 hr
FS Fr. 0020 to 0350 hr

	Field	1	2	3	4
A. Init Hydro	2451.0	2435.0	2443.0	0.0	0.0
B. First Flow	49.0	52.0	14.0	0.0	0.0
B1. Final Flow	49.0	52.0	20.0	0.0	0.0
C. In Shut-in	1866.0	1864.0	1867.0	0.0	0.0
D. Init Flow	68.0	47.0	17.0	0.0	0.0
E. Final Flow	68.0	47.0	26.0	0.0	0.0
F. Fl Shut-in	1866.0	1860.0	1859.0	0.0	0.0
G. Final Hydro	2431.0	2409.0	2411.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 1915 hr
T ON BOTM 2050 hr
T OPEN 2055 hr
T PULLED 0350 hr
T OUT 0615 hr

RECOVERY
Tot Fluid 5.00 ft of 5.00 ft in DC and 0.00 ft in DP
5.00 ft of Drilling mud w/ show of oil in tool

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

Tool Wt.	2000.00 lbs
Wt Set On Packer	30000.00 lbs
Wt Pulled Loose	80000.00 lbs
Initial Str Wt	66000.00 lbs
Unseated Str Wt	66000.00 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	186.00 ft
D.P. Length	4724.00 ft

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

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

Mud Type	Chemical
Weight	9.30 lb/
Vis.	46.00 S/L
W.L.	12.80 in3
F.C.	0.00 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	135.00 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	DAN BANGLE
Co. Rep.	LARRY BENEDICK
Contr.	DUKE
Rig #	7
Unit #	
Pump T.	

BLOW DESCRIPTION
Initial Flow -
Strong, bottom of bucket in 2 min

Initial Shutin -
Bled off blow, no blow back

Final Flow -
Strong, bottom of bucket as soon as
tool opened, Gas to surface in 40 min

Final Shutin -
Bled off blow, no blow back

SAMPLES: GAS SAMPLE TAKEN
SENT TO:

Test Successful: Y

GAS RECOVERY

COMPANY: Samuel Gary Jr & Assoc. DATE: 5-2-96
WELL NAME: Webster #3-3 KB Elev: 1945.00 ft TICKET #8722 DST #1
WELL LOCATION: 3-33S-19W Comanche Cty KS GR Elev: 1932.00 ft FORMATION: MARMATON
INTERVAL Fr.: 4920.00 To 4943.00 T.D.: 4943.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH MERLA

***** GAS RATES FOR FLOW #2

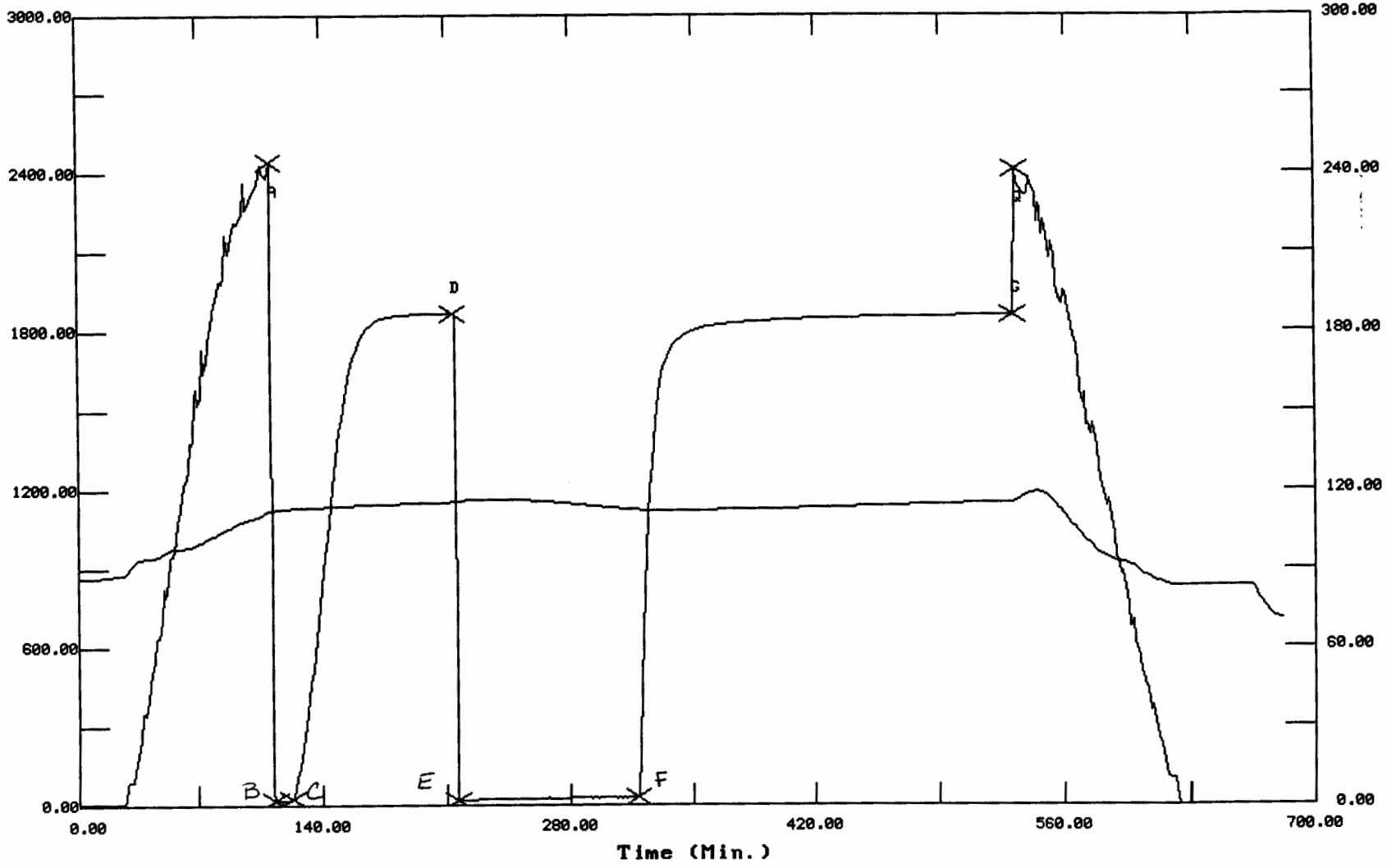
Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
40	0.50	0	22	29400.0
50	0.50	0	10	19900.0
60	0.50	0	12	21900.0
70	0.50	0	12	21900.0
80	0.50	0	12	21900.0
90	0.50	0	12	21900.0
100	0.50	0	12	21900.0
105	0.50	0	12	21900.0

TEST HISTORY

TK#8722 DST#1 WEBSTER #3-3 SAM GARY

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2442.79
B:	0.00	14.00
C:	10.00	19.91
D:	91.00	1867.42
E:	0.00	17.43
F:	103.00	26.48
G:	212.00	1859.37
Q:	0.00	2410.80



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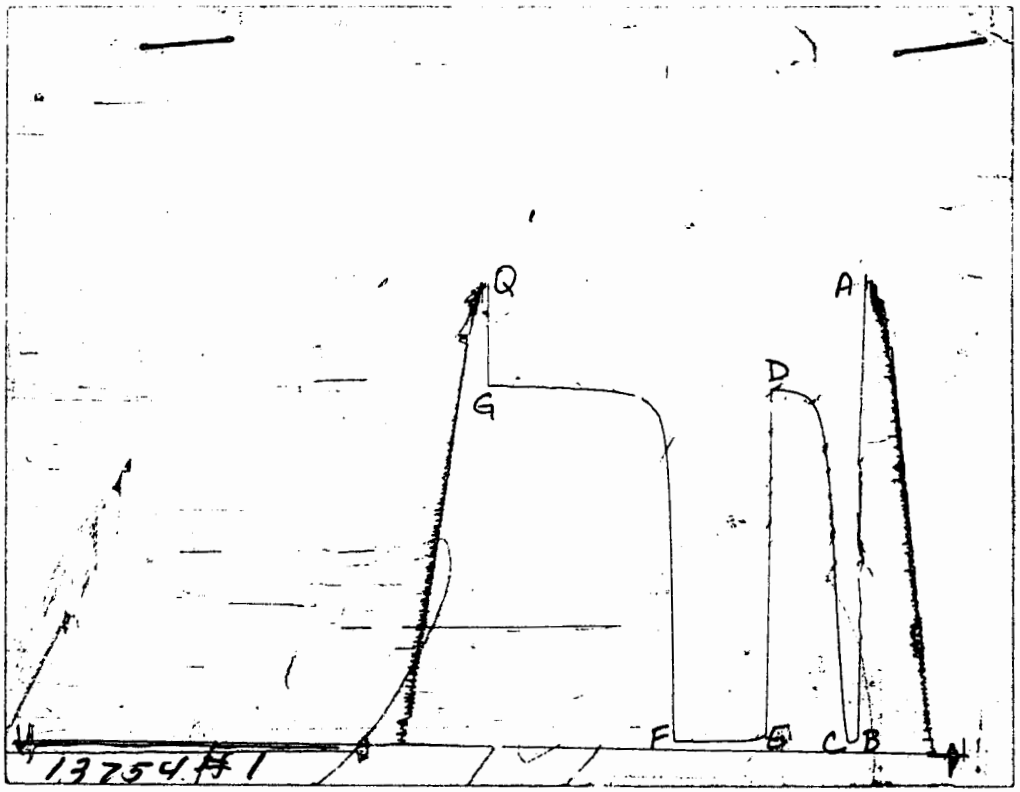


This is a photocopy of the actual AK-1 recorder chart

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK#8722 DST#1 WEBSTER #3-3 SAM GARY

DATE: 05/02/96 TIME: 18:58:48

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	111.00	2442.8	0.0	111.99		
****** Start Flow 1	0.00	14.0	0.0	112.31		
	1.00	15.1	1.1	112.44		
	2.00	15.6	1.6	112.58		
	3.00	16.3	2.3	112.69		
	4.00	16.3	2.3	112.77		
	5.00	16.6	2.6	112.83		
	6.00	16.8	2.8	112.89		
	7.00	17.6	3.6	112.93		
	8.00	17.6	3.6	112.96		
	9.00	17.9	3.9	113.00		
****** End Flow 1	10.00	19.9	5.9	113.02		
****** Start Shutin 1	0.00	19.9	0.0	113.02	0.0000	0.000
	1.00	34.6	14.7	113.05	11.0000	0.001
	2.00	71.1	51.2	113.07	6.0000	0.005
	3.00	106.9	87.0	113.09	4.3333	0.011
	4.00	143.3	123.4	113.12	3.5000	0.021
	5.00	181.0	161.1	113.14	3.0000	0.033
	6.00	220.6	200.7	113.17	2.6667	0.049
	7.00	262.3	242.3	113.21	2.4286	0.069
	8.00	306.5	286.6	113.23	2.2500	0.094
	9.00	354.1	334.2	113.25	2.1111	0.125
	10.00	404.5	384.6	113.30	2.0000	0.164
	11.00	457.5	437.6	113.33	1.9091	0.209
	12.00	513.3	493.4	113.36	1.8333	0.263
	13.00	571.5	551.6	113.40	1.7692	0.327
	14.00	632.0	612.1	113.44	1.7143	0.399
	15.00	694.7	674.8	113.47	1.6667	0.483
	16.00	758.8	738.9	113.50	1.6250	0.576
	17.00	824.0	804.1	113.54	1.5882	0.679
	18.00	889.8	869.9	113.57	1.5556	0.792
	19.00	955.6	935.7	113.62	1.5263	0.913
	20.00	1021.1	1001.2	113.65	1.5000	1.043
	21.00	1085.4	1065.5	113.70	1.4762	1.178
	22.00	1148.1	1128.2	113.73	1.4545	1.318
	23.00	1208.8	1188.9	113.77	1.4348	1.461
	24.00	1267.1	1247.2	113.81	1.4167	1.606
	25.00	1322.8	1302.9	113.85	1.4000	1.750
	26.00	1375.5	1355.6	113.88	1.3846	1.892
	27.00	1425.2	1405.3	113.92	1.3704	2.031
	28.00	1471.5	1451.6	113.95	1.3571	2.165
	29.00	1514.5	1494.6	114.00	1.3448	2.294
	30.00	1554.3	1534.3	114.03	1.3333	2.416
	31.00	1590.4	1570.5	114.07	1.3226	2.529
	32.00	1623.2	1603.3	114.09	1.3125	2.635
	33.00	1652.9	1633.0	114.13	1.3030	2.732
	34.00	1679.4	1659.5	114.16	1.2941	2.820
	35.00	1703.1	1683.2	114.19	1.2857	2.901
	36.00	1724.3	1704.4	114.22	1.2778	2.973
	37.00	1742.7	1722.8	114.26	1.2703	3.037
	38.00	1758.8	1738.9	114.28	1.2632	3.093

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK#8722 DST#1 WEBSTER #3-3 SAM GARY

DATE: 05/02/96 TIME: 18:58:48

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
39.00	1773.0	1753.1	114.31	1.2564	3.144
40.00	1785.3	1765.4	114.34	1.2500	3.187
41.00	1796.0	1776.1	114.36	1.2439	3.226
42.00	1805.3	1785.4	114.38	1.2381	3.259
43.00	1813.3	1793.4	114.41	1.2326	3.288
44.00	1820.1	1800.2	114.44	1.2273	3.313
45.00	1826.0	1806.1	114.45	1.2222	3.334
46.00	1831.1	1811.2	114.49	1.2174	3.353
47.00	1835.5	1815.5	114.51	1.2128	3.369
48.00	1839.2	1819.3	114.54	1.2083	3.383
49.00	1842.4	1822.5	114.55	1.2041	3.395
50.00	1845.2	1825.3	114.58	1.2000	3.405
51.00	1847.6	1827.7	114.60	1.1961	3.414
52.00	1849.7	1829.8	114.63	1.1923	3.421
53.00	1851.5	1831.6	114.65	1.1887	3.428
54.00	1853.1	1833.2	114.67	1.1852	3.434
55.00	1854.5	1834.6	114.69	1.1818	3.439
56.00	1855.7	1835.8	114.72	1.1786	3.444
57.00	1856.8	1836.9	114.74	1.1754	3.448
58.00	1857.7	1837.8	114.76	1.1724	3.451
59.00	1858.6	1838.7	114.79	1.1695	3.454
60.00	1859.4	1839.4	114.80	1.1667	3.457
61.00	1860.1	1840.1	114.81	1.1639	3.460
62.00	1860.7	1840.7	114.84	1.1613	3.462
63.00	1861.2	1841.3	114.86	1.1587	3.464
64.00	1861.7	1841.8	114.89	1.1562	3.466
65.00	1862.2	1842.3	114.91	1.1538	3.468
66.00	1862.6	1842.7	114.93	1.1515	3.469
67.00	1863.0	1843.0	114.95	1.1493	3.471
68.00	1863.3	1843.4	114.96	1.1471	3.472
69.00	1863.6	1843.7	114.99	1.1449	3.473
70.00	1863.9	1844.0	115.01	1.1429	3.474
71.00	1864.2	1844.3	115.04	1.1408	3.475
72.00	1864.5	1844.6	115.06	1.1389	3.476
73.00	1864.7	1844.8	115.08	1.1370	3.477
74.00	1865.0	1845.0	115.09	1.1351	3.478
75.00	1865.2	1845.2	115.11	1.1333	3.479
76.00	1865.4	1845.5	115.13	1.1316	3.480
77.00	1865.6	1845.7	115.15	1.1299	3.480
78.00	1865.7	1845.8	115.18	1.1282	3.481
79.00	1865.9	1846.0	115.20	1.1266	3.482
80.00	1866.1	1846.2	115.22	1.1250	3.482
81.00	1866.2	1846.3	115.24	1.1235	3.483
82.00	1866.4	1846.5	115.26	1.1220	3.483
83.00	1866.5	1846.6	115.28	1.1205	3.484
84.00	1866.6	1846.7	115.30	1.1190	3.484
85.00	1866.8	1846.9	115.32	1.1176	3.485
86.00	1866.9	1847.0	115.35	1.1163	3.485
87.00	1867.0	1847.1	115.36	1.1149	3.486
88.00	1867.1	1847.2	115.38	1.1136	3.486
89.00	1867.2	1847.3	115.41	1.1124	3.486

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK#8722 DST#1 WEBSTER #3-3 SAM GARY

DATE: 05/02/96 TIME: 18:58:48

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	90.00	1867.3	1847.4	115.43	1.1111	3.487
****** End Shut-in 1	91.00	1867.4	1847.5	115.45	1.1099	3.487
****** Start Flow 2	0.00	17.4	0.0	115.51		
	1.00	17.2	-0.2	115.60		
	2.00	17.0	-0.4	115.71		
	3.00	16.7	-0.7	115.83		
	4.00	16.5	-0.9	115.94		
	5.00	16.6	-0.8	116.04		
	6.00	16.8	-0.6	116.12		
	7.00	17.4	-0.1	116.18		
	8.00	17.4	-0.0	116.24		
	9.00	18.0	0.6	116.29		
	10.00	18.3	0.9	116.33		
	11.00	18.5	1.1	116.37		
	12.00	18.9	1.5	116.39		
	13.00	19.0	1.6	116.41		
	14.00	18.8	1.4	116.45		
	15.00	19.1	1.7	116.46		
	16.00	19.4	1.9	116.48		
	17.00	19.6	2.2	116.49		
	18.00	19.6	2.2	116.51		
	19.00	20.1	2.7	116.51		
	20.00	20.6	3.1	116.51		
	21.00	20.4	2.9	116.53		
	22.00	20.4	3.0	116.52		
	23.00	21.1	3.6	116.54		
	24.00	21.3	3.9	116.54		
	25.00	21.3	3.9	116.53		
	26.00	21.3	3.9	116.52		
	27.00	21.3	3.9	116.51		
	28.00	22.9	5.5	116.49		
	29.00	22.6	5.1	116.47		
	30.00	22.8	5.4	116.45		
	31.00	22.2	4.8	116.41		
	32.00	22.6	5.2	116.39		
	33.00	23.1	5.6	116.36		
	34.00	23.0	5.6	116.32		
	35.00	23.2	5.8	116.30		
	36.00	23.4	6.0	116.25		
	37.00	23.4	6.0	116.21		
	38.00	23.6	6.1	116.17		
	39.00	23.6	6.1	116.13		
	40.00	22.7	5.3	116.08		
	41.00	22.7	5.2	116.04		
	42.00	23.8	6.3	115.99		
	43.00	23.1	5.7	115.95		
	44.00	22.8	5.3	115.91		
	45.00	23.0	5.6	115.86		
	46.00	23.5	6.0	115.83		
	47.00	23.3	5.8	115.77		
	48.00	23.2	5.8	115.72		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK#8722 DST#1 WEBSTER #3-3 SAM GARY

DATE: 05/02/96 TIME: 18:58:48

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
49.00	23.4	6.0	115.68		
50.00	23.8	6.3	115.63		
51.00	23.7	6.3	115.59		
52.00	24.7	7.3	115.54		
53.00	24.0	6.5	115.49		
54.00	24.2	6.8	115.44		
55.00	24.0	6.6	115.37		
56.00	24.1	6.7	115.32		
57.00	24.4	7.0	115.25		
58.00	24.0	6.5	115.19		
59.00	24.5	7.1	115.14		
60.00	24.2	6.8	115.07		
61.00	24.4	7.0	115.02		
62.00	24.1	6.7	114.96		
63.00	24.4	7.0	114.91		
64.00	25.4	8.0	114.85		
65.00	24.7	7.3	114.78		
66.00	24.9	7.5	114.71		
67.00	24.7	7.2	114.65		
68.00	24.7	7.2	114.59		
69.00	24.8	7.3	114.51		
70.00	24.8	7.4	114.44		
71.00	25.2	7.8	114.37		
72.00	24.9	7.5	114.30		
73.00	25.1	7.7	114.24		
74.00	25.2	7.8	114.19		
75.00	25.2	7.7	114.12		
76.00	25.3	7.9	114.05		
77.00	23.3	5.9	113.98		
78.00	25.4	8.0	113.91		
79.00	25.5	8.0	113.83		
80.00	23.5	6.0	113.77		
81.00	25.5	8.1	113.70		
82.00	24.8	7.3	113.62		
83.00	25.6	8.2	113.55		
84.00	25.6	8.2	113.48		
85.00	25.9	8.5	113.41		
86.00	25.6	8.2	113.35		
87.00	25.8	8.4	113.29		
88.00	26.1	8.7	113.24		
89.00	25.7	8.3	113.18		
90.00	25.9	8.5	113.13		
91.00	23.6	6.2	113.10		
92.00	26.4	8.9	113.04		
93.00	25.8	8.4	113.00		
94.00	24.5	7.1	112.96		
95.00	24.7	7.3	112.90		
96.00	24.6	7.2	112.85		
97.00	26.4	9.0	112.81		
98.00	24.9	7.5	112.76		
99.00	24.7	7.3	112.70		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK#8722 DST#1 WEBSTER #3-3 SAM GARY

DATE: 05/02/96 TIME: 18:58:48

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	100.00	25.8	8.4	112.63		
	101.00	25.7	8.3	112.55		
	102.00	26.2	8.7	112.49		
****** End Flow 2	103.00	26.5	9.1	112.41		
****** Start Shutin 2	0.00	26.5	0.0	112.41	0.0000	0.001
	1.00	218.4	191.9	112.34	114.0000	0.048
	2.00	446.5	420.0	112.27	57.5000	0.199
	3.00	643.8	617.4	112.21	38.6667	0.415
	4.00	815.5	789.0	112.17	29.2500	0.665
	5.00	964.9	938.4	112.15	23.6000	0.931
	6.00	1094.7	1068.2	112.14	19.8333	1.198
	7.00	1207.1	1180.6	112.15	17.1429	1.457
	8.00	1303.9	1277.4	112.16	15.1250	1.700
	9.00	1386.8	1360.3	112.17	13.5556	1.923
	10.00	1457.0	1430.5	112.19	12.3000	2.123
	11.00	1516.0	1489.5	112.20	11.2727	2.298
	12.00	1565.1	1538.6	112.22	10.4167	2.449
	13.00	1605.5	1579.0	112.22	9.6923	2.578
	14.00	1638.7	1612.2	112.24	9.0714	2.685
	15.00	1665.8	1639.3	112.25	8.5333	2.775
	16.00	1688.0	1661.5	112.27	8.0625	2.849
	17.00	1706.1	1679.6	112.28	7.6471	2.911
	18.00	1721.1	1694.6	112.27	7.2778	2.962
	19.00	1733.5	1707.0	112.29	6.9474	3.005
	20.00	1743.8	1717.4	112.30	6.6500	3.041
	21.00	1752.6	1726.1	112.30	6.3810	3.071
	22.00	1760.1	1733.6	112.30	6.1364	3.098
	23.00	1766.5	1740.0	112.31	5.9130	3.121
	24.00	1772.2	1745.7	112.31	5.7083	3.141
	25.00	1777.2	1750.7	112.31	5.5200	3.158
	26.00	1781.7	1755.3	112.32	5.3462	3.175
	27.00	1785.9	1759.4	112.32	5.1852	3.189
	28.00	1789.8	1763.4	112.32	5.0357	3.204
	29.00	1793.4	1766.9	112.32	4.8966	3.216
	30.00	1796.6	1770.1	112.34	4.7667	3.228
	31.00	1799.5	1773.0	112.34	4.6452	3.238
	32.00	1802.1	1775.6	112.33	4.5312	3.248
	33.00	1804.5	1778.0	112.34	4.4242	3.256
	34.00	1806.7	1780.2	112.35	4.3235	3.264
	35.00	1808.6	1782.1	112.35	4.2286	3.271
	36.00	1810.4	1783.9	112.35	4.1389	3.278
	37.00	1812.1	1785.6	112.36	4.0541	3.284
	38.00	1813.6	1787.2	112.37	3.9737	3.289
	39.00	1815.1	1788.6	112.38	3.8974	3.294
	40.00	1816.4	1789.9	112.37	3.8250	3.299
	41.00	1817.7	1791.2	112.37	3.7561	3.304
	42.00	1818.8	1792.3	112.38	3.6905	3.308
	43.00	1819.9	1793.4	112.39	3.6279	3.312
	44.00	1821.0	1794.5	112.40	3.5682	3.316
	45.00	1821.9	1795.5	112.41	3.5111	3.319
	46.00	1822.9	1796.4	112.41	3.4565	3.323

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK#8722 DST#1 WEBSTER #3-3 SAM GARY

DATE: 05/02/96 TIME: 18:58:48

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
47.00	1823.8	1797.3	112.42	3.4043	3.326
48.00	1824.6	1798.1	112.43	3.3542	3.329
49.00	1825.4	1798.9	112.43	3.3061	3.332
50.00	1826.2	1799.7	112.44	3.2600	3.335
51.00	1826.9	1800.4	112.46	3.2157	3.338
52.00	1827.6	1801.2	112.47	3.1731	3.340
53.00	1828.3	1801.9	112.47	3.1321	3.343
54.00	1829.0	1802.5	112.49	3.0926	3.345
55.00	1829.6	1803.1	112.49	3.0545	3.347
56.00	1830.2	1803.7	112.51	3.0179	3.350
57.00	1830.7	1804.3	112.52	2.9825	3.352
58.00	1831.3	1804.8	112.53	2.9483	3.354
59.00	1831.9	1805.4	112.54	2.9153	3.356
60.00	1832.4	1805.9	112.55	2.8833	3.358
61.00	1832.9	1806.4	112.57	2.8525	3.359
62.00	1833.4	1806.9	112.57	2.8226	3.361
63.00	1833.8	1807.3	112.59	2.7937	3.363
64.00	1834.3	1807.8	112.60	2.7656	3.365
65.00	1834.7	1808.2	112.61	2.7385	3.366
66.00	1835.2	1808.7	112.61	2.7121	3.368
67.00	1835.6	1809.1	112.64	2.6866	3.369
68.00	1836.0	1809.5	112.66	2.6618	3.371
69.00	1836.4	1809.9	112.67	2.6377	3.372
70.00	1836.8	1810.3	112.68	2.6143	3.374
71.00	1837.2	1810.7	112.70	2.5915	3.375
72.00	1837.5	1811.1	112.71	2.5694	3.377
73.00	1837.9	1811.4	112.73	2.5479	3.378
74.00	1838.3	1811.8	112.74	2.5270	3.379
75.00	1838.6	1812.1	112.76	2.5067	3.380
76.00	1839.0	1812.5	112.77	2.4868	3.382
77.00	1839.3	1812.8	112.77	2.4675	3.383
78.00	1839.6	1813.1	112.80	2.4487	3.384
79.00	1839.9	1813.4	112.82	2.4304	3.385
80.00	1840.2	1813.7	112.83	2.4125	3.386
81.00	1840.5	1814.0	112.86	2.3951	3.387
82.00	1840.8	1814.3	112.86	2.3780	3.389
83.00	1841.1	1814.6	112.88	2.3614	3.390
84.00	1841.4	1814.9	112.90	2.3452	3.391
85.00	1841.7	1815.2	112.92	2.3294	3.392
86.00	1841.9	1815.5	112.93	2.3140	3.393
87.00	1842.2	1815.7	112.95	2.2989	3.394
88.00	1842.5	1816.0	112.96	2.2841	3.395
89.00	1842.8	1816.3	112.98	2.2697	3.396
90.00	1843.0	1816.5	113.00	2.2556	3.397
91.00	1844.3	1817.8	113.00	2.2418	3.401
92.00	1844.5	1818.0	113.02	2.2283	3.402
93.00	1844.7	1818.3	113.05	2.2151	3.403
94.00	1845.0	1818.5	113.07	2.2021	3.404
95.00	1845.2	1818.7	113.08	2.1895	3.405
96.00	1845.5	1819.0	113.10	2.1771	3.406
97.00	1845.7	1819.2	113.12	2.1649	3.407

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK#8722 DST#1 WEBSTER #3-3 SAM GARY

DATE: 05/02/96 TIME: 18:58:48

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
98.00	1845.9	1819.4	113.14	2.1531	3.407
99.00	1846.1	1819.6	113.16	2.1414	3.408
100.00	1846.4	1819.9	113.18	2.1300	3.409
101.00	1846.5	1820.1	113.19	2.1188	3.410
102.00	1846.8	1820.3	113.22	2.1078	3.411
103.00	1847.0	1820.5	113.23	2.0971	3.411
104.00	1847.1	1820.7	113.25	2.0865	3.412
105.00	1847.4	1820.9	113.27	2.0762	3.413
106.00	1847.6	1821.1	113.29	2.0660	3.413
107.00	1847.7	1821.3	113.30	2.0561	3.414
108.00	1847.9	1821.5	113.33	2.0463	3.415
109.00	1848.1	1821.7	113.35	2.0367	3.416
110.00	1848.3	1821.8	113.36	2.0273	3.416
111.00	1848.5	1822.0	113.37	2.0180	3.417
112.00	1848.7	1822.2	113.40	2.0089	3.418
113.00	1848.8	1822.4	113.42	2.0000	3.418
114.00	1849.0	1822.6	113.44	1.9912	3.419
115.00	1849.2	1822.7	113.46	1.9826	3.420
116.00	1849.4	1822.9	113.48	1.9741	3.420
117.00	1849.5	1823.1	113.50	1.9658	3.421
118.00	1849.7	1823.2	113.51	1.9576	3.421
119.00	1849.9	1823.4	113.54	1.9496	3.422
120.00	1850.0	1823.6	113.56	1.9417	3.423
121.00	1850.2	1823.7	113.57	1.9339	3.423
122.00	1850.4	1823.9	113.60	1.9262	3.424
123.00	1850.5	1824.0	113.61	1.9187	3.424
124.00	1850.7	1824.2	113.64	1.9113	3.425
125.00	1850.8	1824.3	113.65	1.9040	3.426
126.00	1851.0	1824.5	113.67	1.8968	3.426
127.00	1851.1	1824.6	113.69	1.8898	3.427
128.00	1851.3	1824.8	113.71	1.8828	3.427
129.00	1851.4	1824.9	113.72	1.8760	3.428
130.00	1851.6	1825.1	113.75	1.8692	3.428
131.00	1851.7	1825.2	113.77	1.8626	3.429
132.00	1851.8	1825.4	113.79	1.8561	3.429
133.00	1852.0	1825.5	113.81	1.8496	3.430
134.00	1852.1	1825.7	113.82	1.8433	3.430
135.00	1852.3	1825.8	113.84	1.8370	3.431
136.00	1852.4	1825.9	113.87	1.8309	3.431
137.00	1852.5	1826.0	113.89	1.8248	3.432
138.00	1852.6	1826.2	113.91	1.8188	3.432
139.00	1852.8	1826.3	113.93	1.8129	3.433
140.00	1852.9	1826.4	113.95	1.8071	3.433
141.00	1853.0	1826.5	113.97	1.8014	3.434
142.00	1853.2	1826.7	113.99	1.7958	3.434
143.00	1853.3	1826.8	114.00	1.7902	3.435
144.00	1853.4	1826.9	114.02	1.7847	3.435
145.00	1853.5	1827.0	114.04	1.7793	3.436
146.00	1853.6	1827.2	114.07	1.7740	3.436
147.00	1853.8	1827.3	114.08	1.7687	3.436
148.00	1853.9	1827.4	114.11	1.7635	3.437

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK#8722 DST#1 WEBSTER #3-3 SAM GARY

DATE: 05/02/96 TIME: 18:58:48

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
149.00	1854.0	1827.5	114.12	1.7584	3.437
150.00	1854.1	1827.6	114.15	1.7533	3.438
151.00	1854.2	1827.7	114.16	1.7483	3.438
152.00	1854.3	1827.9	114.18	1.7434	3.439
153.00	1854.4	1828.0	114.20	1.7386	3.439
154.00	1854.5	1828.1	114.22	1.7338	3.439
155.00	1854.7	1828.2	114.24	1.7290	3.440
156.00	1854.8	1828.3	114.26	1.7244	3.440
157.00	1854.9	1828.4	114.29	1.7197	3.441
158.00	1855.0	1828.5	114.30	1.7152	3.441
159.00	1855.1	1828.6	114.32	1.7107	3.441
160.00	1855.2	1828.7	114.35	1.7063	3.442
161.00	1855.3	1828.8	114.38	1.7019	3.442
162.00	1855.4	1828.9	114.39	1.6975	3.442
163.00	1855.5	1829.0	114.41	1.6933	3.443
164.00	1855.6	1829.1	114.43	1.6890	3.443
165.00	1855.7	1829.2	114.44	1.6848	3.444
166.00	1855.8	1829.3	114.47	1.6807	3.444
167.00	1855.9	1829.4	114.49	1.6766	3.444
168.00	1856.0	1829.5	114.51	1.6726	3.445
169.00	1856.1	1829.6	114.54	1.6686	3.445
170.00	1856.1	1829.7	114.55	1.6647	3.445
171.00	1856.3	1829.8	114.57	1.6608	3.446
172.00	1856.3	1829.9	114.58	1.6570	3.446
173.00	1856.4	1829.9	114.60	1.6532	3.446
174.00	1856.5	1830.0	114.63	1.6494	3.447
175.00	1856.6	1830.1	114.64	1.6457	3.447
176.00	1856.7	1830.2	114.67	1.6420	3.447
177.00	1856.8	1830.3	114.68	1.6384	3.448
178.00	1856.8	1830.4	114.71	1.6348	3.448
179.00	1856.9	1830.5	114.72	1.6313	3.448
180.00	1857.0	1830.5	114.75	1.6278	3.449
181.00	1857.1	1830.6	114.75	1.6243	3.449
182.00	1857.2	1830.7	114.79	1.6209	3.449
183.00	1857.3	1830.8	114.81	1.6175	3.450
184.00	1857.3	1830.9	114.83	1.6141	3.450
185.00	1857.5	1831.0	114.84	1.6108	3.450
186.00	1857.5	1831.1	114.86	1.6075	3.450
187.00	1857.6	1831.1	114.87	1.6043	3.451
188.00	1857.7	1831.2	114.90	1.6011	3.451
189.00	1857.8	1831.3	114.92	1.5979	3.451
190.00	1857.9	1831.4	114.94	1.5947	3.452
191.00	1857.9	1831.4	114.95	1.5916	3.452
192.00	1858.0	1831.5	114.98	1.5885	3.452
193.00	1858.1	1831.6	115.00	1.5855	3.453
194.00	1858.1	1831.7	115.01	1.5825	3.453
195.00	1858.2	1831.7	115.04	1.5795	3.453
196.00	1858.3	1831.8	115.06	1.5765	3.453
197.00	1858.4	1831.9	115.08	1.5736	3.454
198.00	1858.4	1832.0	115.10	1.5707	3.454
199.00	1858.5	1832.0	115.12	1.5678	3.454

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK#8722 DST#1 WEBSTER #3-3 SAM GARY

DATE: 05/02/96 TIME: 18:58:48

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	200.00	1858.6	1832.1	115.14	1.5650	3.454
	201.00	1858.6	1832.2	115.16	1.5622	3.455
	202.00	1858.7	1832.2	115.18	1.5594	3.455
	203.00	1858.8	1832.3	115.20	1.5567	3.455
	204.00	1858.8	1832.4	115.22	1.5539	3.455
	205.00	1858.9	1832.5	115.24	1.5512	3.456
	206.00	1859.0	1832.5	115.26	1.5485	3.456
	207.00	1859.1	1832.6	115.28	1.5459	3.456
	208.00	1859.2	1832.7	115.30	1.5433	3.456
	209.00	1859.2	1832.7	115.32	1.5407	3.457
	210.00	1859.3	1832.8	115.34	1.5381	3.457
	211.00	1859.3	1832.8	115.34	1.5355	3.457
****** End Shut-in 2	212.00	1859.4	1832.9	115.37	1.5330	3.457
****** Final Hydro.	532.00	2410.8	0.0	115.43		

*** TOOL DIAGRAM *** CONVENTIONAL

/ELL NAME: Webster #3-3

.OCATION : 3-33S-19W Comanche Cty KS

'ICKET No. 8722 D.S.T. No. 1 DATE 5-2-96

'OTAL TOOL TO BOTTOM OF TOP PACKERS 31

NTERVAL TOOL .....

3OTTOM PACKERS AND ANCHOR 23

'OTAL TOOL 54

)RILL COLLAR ANCHOR IN INTERVAL .....

).C. ANCHOR STND.Stands Single Total

).P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 54

).C. ABOVE TOOLS.Stands3 Single Total 186

).P. ABOVE TOOLS.Stands76 Single 1 Total 4731

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4971

TOTAL DEPTH 4943

TOTAL DRILL PIPE ABOVE K.B. 28

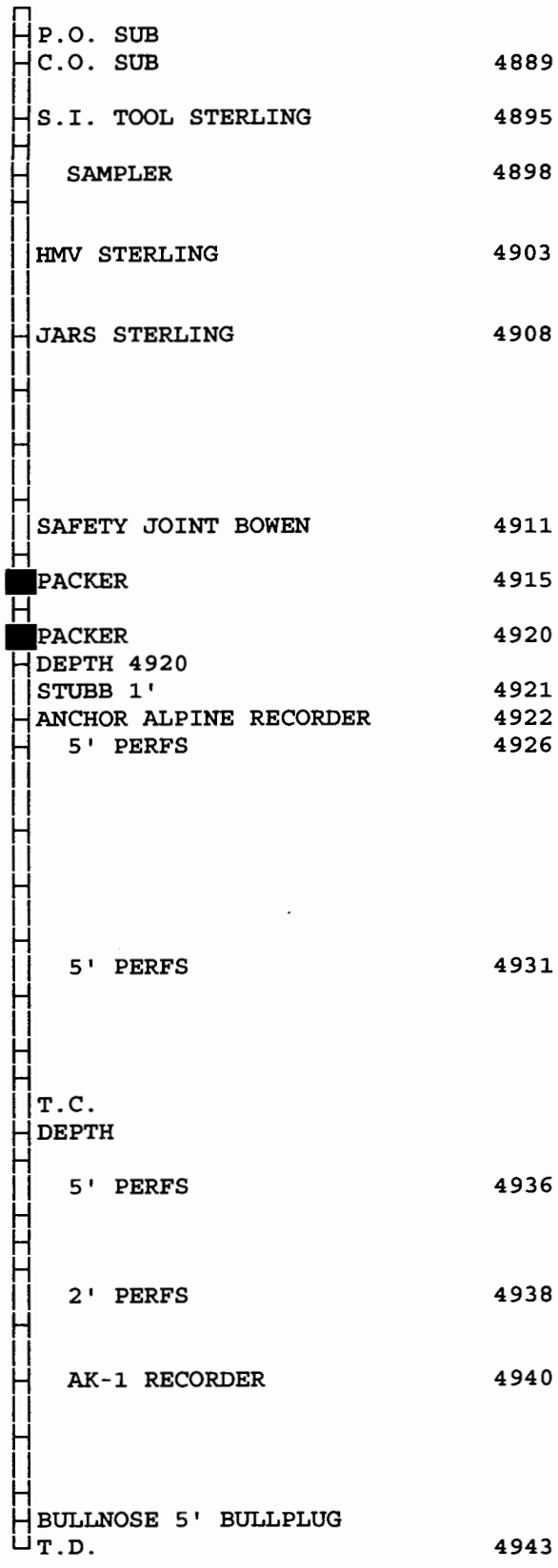
REMARKS:

FLUID SAMPLER DATA

SAMPLER RECOVERY -
Gas 200 ml, Mud 2500 ml, Pressure 1000 PSI,
Total 2500 ml

SAMPLER ANALYSIS -
Chlorides 6000 ppm

PIT MUD ANALYSIS -
Chlorides 6000 ppm



TRILOBITE TESTING

P.O. Box 362 • Hays, Kansas 67601 • (913) 625-4778

GAS VOLUME REPORT

Samuel Gary Jr + Associates (OPERATOR) — Webster #2-3 (WELL NAME AND NO.) — 1 (DST NO.)

Min.	Ins. of Water PSIG	Orifice Size	MCF/D	Min.	Ins. of Water PSIG	Orifice Size	MCF/D
				10		1/2	
				20		"	
				30		"	
				40	22	"	29.4
	Gas sample Taken →			50	10	"	19.9
				60	12	"	21.9
				70	12	"	21.9
				80	12	"	21.9
				90	12	"	21.9
				100	12	"	21.9
				105	12	"	21.9

Remarks: GTS in 40 min on FF - Gas sample Taken

101 NCR

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 8722

Well Name & No. Webster #3-3 Test No. 1 Date 5-2-96

Company Samuel Gary Jr. & Associates Zone Tested Marmaton

Address 1670 Broadway, Denver, Co. 80203 Elevation 1945 KB 1932 GL

Co. Rep / Geo. Larry Benedick Cont. Duke #1 Est. Ft. of Pay ___ Por. ___ %

Location: Sec. 3 Twp. 33 Rge. 19 Co. Comanche State Ks.

No. of Copies ___ Distribution Sheet (Y, N) ___ Turnkey (Y, N) ___ Evaluation (Y, N) ___

Interval Tested 4920 - 4943 Initial Str Wt./Lbs. 66,000 Unseated Str Wt./Lbs. 66,000

Anchor Length 23 Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 80,000

Top Packer Depth 4915 Hole Size — 7 7/8" ___ Rubber Size — 6 3/4" ___

Bottom Packer Depth 4920 Wt. Pipe I.D. — 2.7 Ft. Run ___

Total Depth 4943 Drill Collar — 2.25 Ft. Run 186

Mud Wt. 9.3 LCM ___ Vis. 46 WL 12.8 Drill Pipe Size 4.5 XH Ft. Run 4724

Blow Description I.F. Strong - B.O.B. in 2min
ISI Bled off blow - No blow back
F.F. Strong - B.O.B. as soon as Tool opened - GTS 40min
FSI - Bled off blow - No blow back

Recovery — Total Feet 5 Ft. in DC 5 Ft. in WP ___ Ft. in DP ___

Rec. 5	Feet Of D.M. W/skew oil in	%gas	%oil	%water	%mud
Rec. ___	Feet Of Tool	%gas	%oil	%water	%mud
Rec. ___	Feet Of ___	%gas	%oil	%water	%mud
Rec. ___	Feet Of ___	%gas	%oil	%water	%mud
Rec. ___	Feet Of ___	%gas	%oil	%water	%mud

BHT 130 °F Gravity ___ °API D@ ___ °F Corrected Gravity ___ °API

RW ___ @ ___ °F Chlorides ___ ppm Recovery Chlorides 6,000 ppm System

(A) Initial Hydrostatic Mud	2443	2451 PSI	Recorder No.	3024	T-Started 19:15
(B) First Initial Flow Pressure	14	49 PSI	@ (depth)	4922	T-Open 20:55
(C) First Final Flow Pressure	20	49 PSI	Recorder No.	13754	T-Pulled 03:50
(D) Initial Shut-in Pressure	1863	1866 PSI	@ (depth)	4940	T-Out 06:15
(E) Second Initial Flow Pressure	17	68 PSI	Recorder No.	___	
(F) Second Final Flow Pressure	26	68 PSI	@ (depth)	___	
(G) Final Shut-in Pressure	1859	1866 PSI	Initial Opening	10	Test 600
(H) Final Hydrostatic Mud	2410	2431 PSI	Initial Shut-in	90	Jars X 200
	Alpine	AK-1	Final Flow	105	Safety Joint X 50
			Final Shut-in	210	Straddle ___
					Circ. Sub ___
					Sampler X 200
					Extra Packer ___
					Elect. Rec. X 150
					Other ___
					TOTAL PRICE $ 1200

5

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Larry G. Benedick

Our Representative Dan Sample

CO. downloaded files

TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 8722 Date 5-2-96

Company Name Samuel Gary Jr. & Associates

Lease Webster #3-3 Test No. 1

County Comanche Sec. 3 Twp. 33 Rng. 19

SAMPLER RECOVERY

Gas 200 ML

Oil 0 ML

Mud 2500 ML

Water 0 ML

Other 0 ML

Pressure 1000 PSI

Total 2500 ML

PIT MUD ANALYSIS

Chlorides 6,000 ppm.

Resistivity _____ ohms @ _____ F

Viscosity 46

Mud Weight 9.3

Filtrate 12.8

Other _____

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F

Chlorides 6000 ppm.

Gravity _____ corrected @ 60 F

PIPE RECOVERY

TOP

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

MIDDLE

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

BOTTOM

Resistivity _____ ohms @ _____ F

Chlorides 6000 ppm.

TRILOBITE TESTING L.L.C.

OPERATOR : Samuel Gary Jr. & Assoc. DATE 5-6-96
WELL NAME: Webster #3-3 KB 1945.00 ft TICKET NO: 8723 DST #2
LOCATION : 3-33S-19W Comanche Cty KS GR 1932.00 ft FORMATION: VIOLA
INTERVAL : 5826.00 To 5842.00 ft TD 5842.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4
PF 10	Rec.	13754	13754	3024		
SI 45	Range(Psi)	4000.0	4000.0	4995.0	0.0	0.0
SF 60	Clock(hrs)	AK-1	AK-1	Alpin		
FS 180	Depth(ft)	5839.0	5839.0	5828.0	0.0	0.0

TIME DATA----------
PF Fr. 0600 to 0610 hr
IS Fr. 0610 to 0655 hr
SF Fr. 0655 to 0755 hr
FS Fr. 0755 to 1055 hr

	Field	1	2	3	4
A. Init Hydro	2827.0	2837.0	2838.0	0.0	0.0
B. First Flow	1186.0	1188.0	1177.0	0.0	0.0
B1. Final Flow	1186.0	1202.0	1250.0	0.0	0.0
C. In Shut-in	2168.0	2168.0	2177.0	0.0	0.0
D. Init Flow	1216.0	1190.0	1154.0	0.0	0.0
E. Final Flow	1446.0	1452.0	1463.0	0.0	0.0
F. Fl Shut-in	2178.0	2174.0	2176.0	0.0	0.0
G. Final Hydro	2817.0	2809.0	2753.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 0345 hr
T ON BOTM 0558 hr
T OPEN 0600 hr
T PULLED 1055 hr
T OUT 1325 hr

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

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

Tool Wt.	2000.00 lbs
Wt Set On Packer	30000.00 lbs
Wt Pulled Loose	80000.00 lbs
Initial Str Wt	77000.00 lbs
Unseated Str Wt	77000.00 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	186.00 ft
D.P. Length	5625.00 ft

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

BLOW DESCRIPTION
Initial Flow -
Strong, bottom of bucket in 10 sec;
Gas to surface in 2 min (gauged)

Final Flow -
Strong, bottom of bucket as soon as
tool opened

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

Mud Type	Chemical
Weight	9.10 lb/
Vis.	48.00 S/L
W.L.	8.00 in3
F.C.	0.00 in
Mud Drop	N
Amt. of fill	0.00 ft
Btm. H. Temp.	131.00 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	DAN BANGLE
Co. Rep.	LARRY BENEDICK
Contr.	DUKE
Rig #	7
Unit #	
Pump T.	

SAMPLES: GAS SAMPLE TAKEN
SENT TO:LIBERAL

Test Successful: Y

GAS RECOVERY

COMPANY: Samuel Gary Jr. & Assoc. DATE: 5-6-96
WELL NAME: Webster #3-3 KB Elev: 1945.00 ft TICKET #8723 DST #2
WELL LOCATION: 3-33S-19W Comanche Cty KS GR Elev: 1932.00 ft FORMATION: VIOLA
INTERVAL Fr.: 5826.00 To 5842.00 T.D.: 5842.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH MERLA

**** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	1.50	40	0	3155000.0
10	1.50	48	0	3633000.0

**** GAS RATES FOR FLOW #2

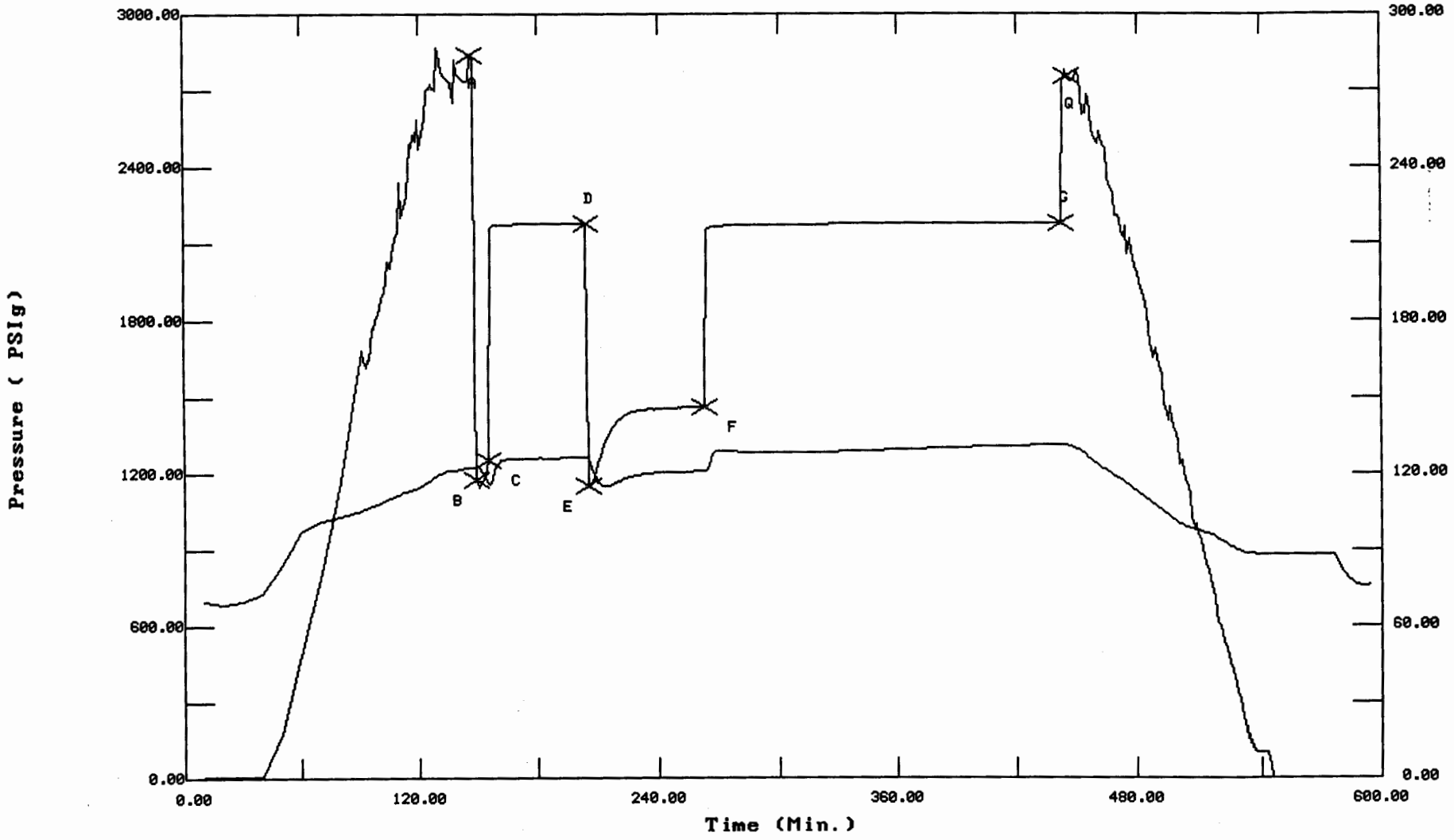
Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	1.50	25	0	2258000.0
10	1.50	60	0	4349000.0
15	1.50	80	0	5543000.0
20	1.50	85	0	5842000.0
25	1.50	90	0	6140000.0
30	1.50	90	0	6140000.0
35	1.50	90	0	6140000.0
40	1.50	90	0	6140000.0
45	1.50	90	0	6140000.0
50	1.50	90	0	6140000.0
55	1.50	90	0	6140000.0
60	1.50	90	0	6140000.0

TEST HISTORY

TK# 8723 DST#2 WEBSTER #3-3 SAM GARY

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2838.04
B:	0.00	1176.66
C:	6.00	1250.44
D:	49.00	2176.94
E:	0.00	1153.79
F:	58.00	1462.83
G:	179.00	2176.24
Q:	0.00	2752.79



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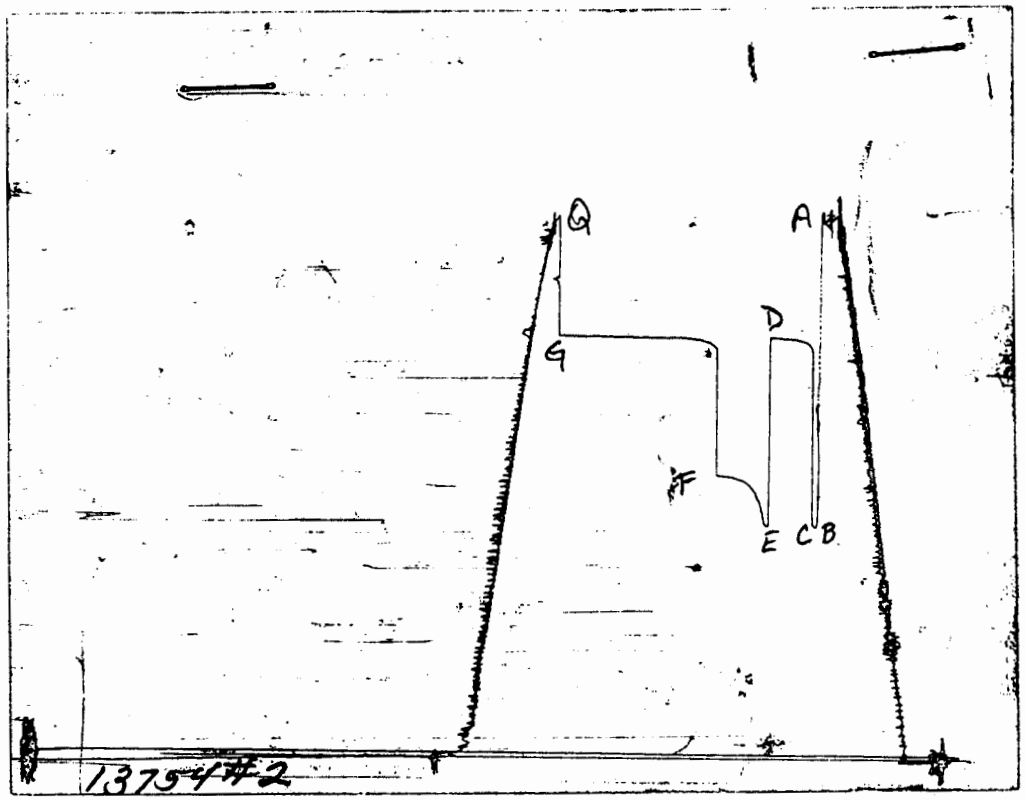


This is a photocopy of the actual AK-1 recorder chart

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK# 8723 DST#2 WEBSTER #3-3 SAM GARY

DATE: 05/06/96 TIME: 03:30:50

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	146.00	2838.0	0.0	122.27		
****** Start Flow 1	0.00	1176.7	0.0	122.70		
	1.00	1144.7	-32.0	122.67		
	2.00	1168.7	-8.0	121.84		
	3.00	1168.2	-8.5	120.47		
	4.00	1196.2	19.5	118.91		
	5.00	1224.4	47.8	117.51		
****** End Flow 1	6.00	1250.4	73.8	116.43		
****** Start Shutin 1	0.00	1250.4	0.0	116.43	0.0000	1.564
	1.00	2159.5	909.1	115.92	7.0000	4.664
	2.00	2169.6	919.1	118.21	4.0000	4.707
	3.00	2171.6	921.2	121.17	3.0000	4.716
	4.00	2172.6	922.2	123.20	2.5000	4.720
	5.00	2173.3	922.9	124.40	2.2000	4.723
	6.00	2173.8	923.4	125.04	2.0000	4.725
	7.00	2174.2	923.8	125.40	1.8571	4.727
	8.00	2174.6	924.1	125.59	1.7500	4.729
	9.00	2174.8	924.4	125.70	1.6667	4.730
	10.00	2175.1	924.6	125.78	1.6000	4.731
	11.00	2175.3	924.8	125.84	1.5455	4.732
	12.00	2175.4	925.0	125.90	1.5000	4.733
	13.00	2175.6	925.2	125.94	1.4615	4.733
	14.00	2175.8	925.3	125.98	1.4286	4.734
	15.00	2175.9	925.4	126.00	1.4000	4.734
	16.00	2176.0	925.5	126.05	1.3750	4.735
	17.00	2176.1	925.6	126.07	1.3529	4.735
	18.00	2176.2	925.7	126.09	1.3333	4.736
	19.00	2176.3	925.8	126.12	1.3158	4.736
	20.00	2176.3	925.9	126.14	1.3000	4.736
	21.00	2176.4	926.0	126.16	1.2857	4.737
	22.00	2176.5	926.0	126.18	1.2727	4.737
	23.00	2176.5	926.1	126.20	1.2609	4.737
	24.00	2176.5	926.1	126.21	1.2500	4.737
	25.00	2176.6	926.1	126.21	1.2400	4.738
	26.00	2176.6	926.2	126.23	1.2308	4.738
	27.00	2176.6	926.2	126.23	1.2222	4.738
	28.00	2176.7	926.2	126.22	1.2143	4.738
	29.00	2176.7	926.3	126.22	1.2069	4.738
	30.00	2176.7	926.3	126.22	1.2000	4.738
	31.00	2176.7	926.3	126.21	1.1935	4.738
	32.00	2176.7	926.3	126.20	1.1875	4.738
	33.00	2176.8	926.3	126.19	1.1818	4.738
	34.00	2176.8	926.3	126.20	1.1765	4.738
	35.00	2176.8	926.4	126.21	1.1714	4.738
	36.00	2176.8	926.4	126.22	1.1667	4.739
	37.00	2176.8	926.4	126.23	1.1622	4.739
	38.00	2176.8	926.4	126.24	1.1579	4.739
	39.00	2176.9	926.4	126.25	1.1538	4.739
	40.00	2176.9	926.5	126.28	1.1500	4.739
	41.00	2176.9	926.4	126.30	1.1463	4.739
	42.00	2176.9	926.5	126.31	1.1429	4.739

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK# 8723 DST#2 WEBSTER #3-3 SAM GARY

DATE: 05/06/96 TIME: 03:30:50

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	43.00	2176.9	926.5	126.33	1.1395	4.739
	44.00	2176.9	926.5	126.36	1.1364	4.739
	45.00	2176.9	926.5	126.40	1.1333	4.739
	46.00	2176.9	926.5	126.42	1.1304	4.739
	47.00	2176.9	926.5	126.46	1.1277	4.739
	48.00	2176.9	926.5	126.49	1.1250	4.739
****** End Shut-in 1	49.00	2176.9	926.5	126.52	1.1224	4.739
****** Start Flow 2	0.00	1153.8	0.0	126.12		
	1.00	1146.0	-7.8	124.40		
	2.00	1163.8	10.1	122.08		
	3.00	1188.2	34.4	119.80		
	4.00	1216.7	62.9	117.90		
	5.00	1243.0	89.2	116.49		
	6.00	1271.7	117.9	115.55		
	7.00	1295.9	142.1	115.03		
	8.00	1320.0	166.2	114.82		
	9.00	1338.4	184.6	114.84		
	10.00	1353.6	199.8	115.03		
	11.00	1368.6	214.8	115.33		
	12.00	1382.5	228.7	115.67		
	13.00	1392.9	239.1	116.06		
	14.00	1404.0	250.2	116.45		
	15.00	1410.1	256.3	116.83		
	16.00	1416.2	262.4	117.20		
	17.00	1423.5	269.7	117.54		
	18.00	1428.7	274.9	117.87		
	19.00	1433.1	279.3	118.16		
	20.00	1436.6	282.8	118.43		
	21.00	1438.0	284.2	118.67		
	22.00	1443.0	289.2	118.90		
	23.00	1443.6	289.8	119.08		
	24.00	1447.0	293.2	119.27		
	25.00	1448.8	295.0	119.43		
	26.00	1449.2	295.4	119.56		
	27.00	1450.7	296.9	119.70		
	28.00	1453.1	299.3	119.81		
	29.00	1452.4	298.6	119.91		
	30.00	1455.8	302.0	120.00		
	31.00	1454.6	300.8	120.08		
	32.00	1455.4	301.6	120.16		
	33.00	1454.4	300.6	120.23		
	34.00	1456.3	302.5	120.29		
	35.00	1455.4	301.6	120.34		
	36.00	1456.7	302.9	120.40		
	37.00	1457.9	304.1	120.44		
	38.00	1457.6	303.8	120.47		
	39.00	1458.0	304.2	120.51		
	40.00	1458.3	304.5	120.53		
	41.00	1459.2	305.4	120.56		
	42.00	1457.4	303.6	120.59		
	43.00	1460.5	306.7	120.62		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK# 8723 DST#2 WEBSTER #3-3 SAM GARY

DATE: 05/06/96 TIME: 03:30:50

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	44.00	1458.4	304.7	120.64		
	45.00	1461.0	307.2	120.66		
	46.00	1459.5	305.7	120.69		
	47.00	1461.3	307.5	120.70		
	48.00	1461.9	308.1	120.73		
	49.00	1461.3	307.5	120.75		
	50.00	1461.4	307.6	120.76		
	51.00	1460.7	306.9	120.78		
	52.00	1460.9	307.1	120.79		
	53.00	1462.4	308.6	120.82		
	54.00	1463.3	309.5	120.84		
	55.00	1462.8	309.0	120.86		
	56.00	1461.5	307.7	120.87		
	57.00	1464.1	310.3	120.88		
****** End Flow 2	58.00	1462.8	309.0	120.89		
****** Start Shutin 2	0.00	1462.8	0.0	120.89	0.0000	2.140
	1.00	2155.1	692.3	121.27	65.0000	4.645
	2.00	2161.7	698.9	123.71	33.0000	4.673
	3.00	2164.0	701.2	126.15	22.3333	4.683
	4.00	2165.4	702.6	127.72	17.0000	4.689
	5.00	2166.6	703.7	128.58	13.8000	4.694
	6.00	2167.5	704.6	129.00	11.6667	4.698
	7.00	2168.2	705.4	129.17	10.1429	4.701
	8.00	2168.9	706.0	129.21	9.0000	4.704
	9.00	2169.5	706.6	129.17	8.1111	4.707
	10.00	2170.0	707.1	129.10	7.4000	4.709
	11.00	2170.4	707.6	129.02	6.8182	4.711
	12.00	2170.9	708.0	128.94	6.3333	4.713
	13.00	2171.2	708.4	128.85	5.9231	4.714
	14.00	2171.6	708.7	128.78	5.5714	4.716
	15.00	2171.9	709.0	128.70	5.2667	4.717
	16.00	2172.2	709.3	128.64	5.0000	4.718
	17.00	2172.4	709.6	128.57	4.7647	4.719
	18.00	2172.6	709.8	128.50	4.5556	4.720
	19.00	2172.9	710.0	128.46	4.3684	4.721
	20.00	2173.1	710.2	128.41	4.2000	4.722
	21.00	2173.3	710.4	128.37	4.0476	4.723
	22.00	2173.4	710.6	128.34	3.9091	4.724
	23.00	2173.6	710.7	128.31	3.7826	4.724
	24.00	2173.7	710.9	128.28	3.6667	4.725
	25.00	2173.8	711.0	128.26	3.5600	4.725
	26.00	2173.9	711.1	128.24	3.4615	4.726
	27.00	2174.1	711.2	128.22	3.3704	4.727
	28.00	2174.2	711.3	128.20	3.2857	4.727
	29.00	2174.3	711.4	128.19	3.2069	4.727
	30.00	2174.3	711.5	128.18	3.1333	4.728
	31.00	2174.4	711.6	128.17	3.0645	4.728
	32.00	2174.5	711.7	128.16	3.0000	4.728
	33.00	2174.6	711.7	128.15	2.9394	4.729
	34.00	2174.6	711.8	128.14	2.8824	4.729
	35.00	2174.7	711.9	128.14	2.8286	4.729

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK# 8723 DST#2 WEBSTER #3-3 SAM GARY

DATE: 05/06/96 TIME: 03:30:50

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
36.00	2174.7	711.9	128.14	2.7778	4.730
37.00	2174.8	712.0	128.14	2.7297	4.730
38.00	2174.8	712.0	128.14	2.6842	4.730
39.00	2174.9	712.1	128.14	2.6410	4.730
40.00	2174.9	712.1	128.15	2.6000	4.730
41.00	2175.0	712.1	128.16	2.5610	4.731
42.00	2175.0	712.2	128.17	2.5238	4.731
43.00	2175.0	712.2	128.17	2.4884	4.731
44.00	2175.1	712.3	128.19	2.4545	4.731
45.00	2175.1	712.3	128.20	2.4222	4.731
46.00	2175.2	712.3	128.21	2.3913	4.731
47.00	2175.2	712.3	128.23	2.3617	4.731
48.00	2175.2	712.4	128.25	2.3333	4.732
49.00	2175.2	712.4	128.27	2.3061	4.732
50.00	2175.3	712.4	128.29	2.2800	4.732
51.00	2175.3	712.4	128.31	2.2549	4.732
52.00	2175.3	712.5	128.33	2.2308	4.732
53.00	2175.3	712.5	128.35	2.2075	4.732
54.00	2175.3	712.5	128.37	2.1852	4.732
55.00	2175.4	712.6	128.38	2.1636	4.732
56.00	2175.4	712.6	128.41	2.1429	4.732
57.00	2175.4	712.6	128.43	2.1228	4.732
58.00	2175.4	712.6	128.45	2.1034	4.732
59.00	2175.4	712.6	128.47	2.0847	4.733
60.00	2175.5	712.6	128.48	2.0667	4.733
61.00	2175.5	712.7	128.51	2.0492	4.733
62.00	2175.5	712.7	128.53	2.0323	4.733
63.00	2175.5	712.7	128.55	2.0159	4.733
64.00	2175.5	712.7	128.58	2.0000	4.733
65.00	2175.5	712.7	128.59	1.9846	4.733
66.00	2175.5	712.7	128.62	1.9697	4.733
67.00	2175.6	712.7	128.64	1.9552	4.733
68.00	2175.6	712.7	128.66	1.9412	4.733
69.00	2175.6	712.7	128.70	1.9275	4.733
70.00	2175.6	712.8	128.72	1.9143	4.733
71.00	2175.6	712.8	128.75	1.9014	4.733
72.00	2175.6	712.8	128.77	1.8889	4.733
73.00	2175.6	712.8	128.79	1.8767	4.733
74.00	2175.6	712.8	128.81	1.8649	4.733
75.00	2175.6	712.8	128.83	1.8533	4.733
76.00	2175.7	712.8	128.87	1.8421	4.734
77.00	2175.7	712.9	128.89	1.8312	4.734
78.00	2175.7	712.9	128.92	1.8205	4.734
79.00	2175.7	712.9	128.96	1.8101	4.734
80.00	2175.7	712.9	128.98	1.8000	4.734
81.00	2175.7	712.9	129.00	1.7901	4.734
82.00	2175.7	712.9	129.04	1.7805	4.734
83.00	2175.7	712.9	129.05	1.7711	4.734
84.00	2175.7	712.9	129.09	1.7619	4.734
85.00	2175.8	712.9	129.11	1.7529	4.734
86.00	2175.8	712.9	129.14	1.7442	4.734

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK# 8723 DST#2 WEBSTER #3-3 SAM GARY

DATE: 05/06/96 TIME: 03:30:50

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
87.00	2175.8	713.0	129.17	1.7356	4.734
88.00	2175.8	713.0	129.19	1.7273	4.734
89.00	2175.8	713.0	129.21	1.7191	4.734
90.00	2175.8	713.0	129.25	1.7111	4.734
91.00	2175.8	713.0	129.27	1.7033	4.734
92.00	2175.8	713.0	129.31	1.6957	4.734
93.00	2175.8	713.0	129.34	1.6882	4.734
94.00	2175.8	713.0	129.36	1.6809	4.734
95.00	2175.8	713.0	129.39	1.6737	4.734
96.00	2175.8	713.0	129.41	1.6667	4.734
97.00	2175.8	713.0	129.44	1.6598	4.734
98.00	2175.9	713.0	129.47	1.6531	4.734
99.00	2175.9	713.0	129.49	1.6465	4.734
100.00	2175.9	713.1	129.52	1.6400	4.735
101.00	2175.9	713.0	129.55	1.6337	4.734
102.00	2175.9	713.1	129.57	1.6275	4.735
103.00	2175.9	713.1	129.61	1.6214	4.735
104.00	2175.9	713.1	129.62	1.6154	4.735
105.00	2175.9	713.1	129.65	1.6095	4.734
106.00	2175.9	713.1	129.68	1.6038	4.735
107.00	2175.9	713.1	129.71	1.5981	4.735
108.00	2175.9	713.1	129.74	1.5926	4.735
109.00	2175.9	713.1	129.76	1.5872	4.735
110.00	2175.9	713.1	129.79	1.5818	4.735
111.00	2176.0	713.1	129.81	1.5766	4.735
112.00	2176.0	713.1	129.85	1.5714	4.735
113.00	2176.0	713.1	129.88	1.5664	4.735
114.00	2176.0	713.1	129.89	1.5614	4.735
115.00	2176.0	713.1	129.92	1.5565	4.735
116.00	2176.0	713.1	129.95	1.5517	4.735
117.00	2176.0	713.2	129.98	1.5470	4.735
118.00	2176.0	713.2	130.00	1.5424	4.735
119.00	2176.0	713.2	130.02	1.5378	4.735
120.00	2176.0	713.2	130.05	1.5333	4.735
121.00	2176.0	713.2	130.08	1.5289	4.735
122.00	2176.0	713.2	130.10	1.5246	4.735
123.00	2176.0	713.2	130.12	1.5203	4.735
124.00	2176.0	713.2	130.15	1.5161	4.735
125.00	2176.0	713.2	130.17	1.5120	4.735
126.00	2176.0	713.2	130.20	1.5079	4.735
127.00	2176.0	713.2	130.22	1.5039	4.735
128.00	2176.0	713.2	130.25	1.5000	4.735
129.00	2176.0	713.2	130.27	1.4961	4.735
130.00	2176.0	713.2	130.29	1.4923	4.735
131.00	2176.0	713.2	130.32	1.4885	4.735
132.00	2176.0	713.2	130.35	1.4848	4.735
133.00	2176.0	713.2	130.37	1.4812	4.735
134.00	2176.1	713.2	130.40	1.4776	4.735
135.00	2176.1	713.2	130.44	1.4741	4.735
136.00	2176.1	713.2	130.46	1.4706	4.735
137.00	2176.1	713.3	130.46	1.4672	4.735

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK# 8723 DST#2 WEBSTER #3-3 SAM GARY

DATE: 05/06/96 TIME: 03:30:50

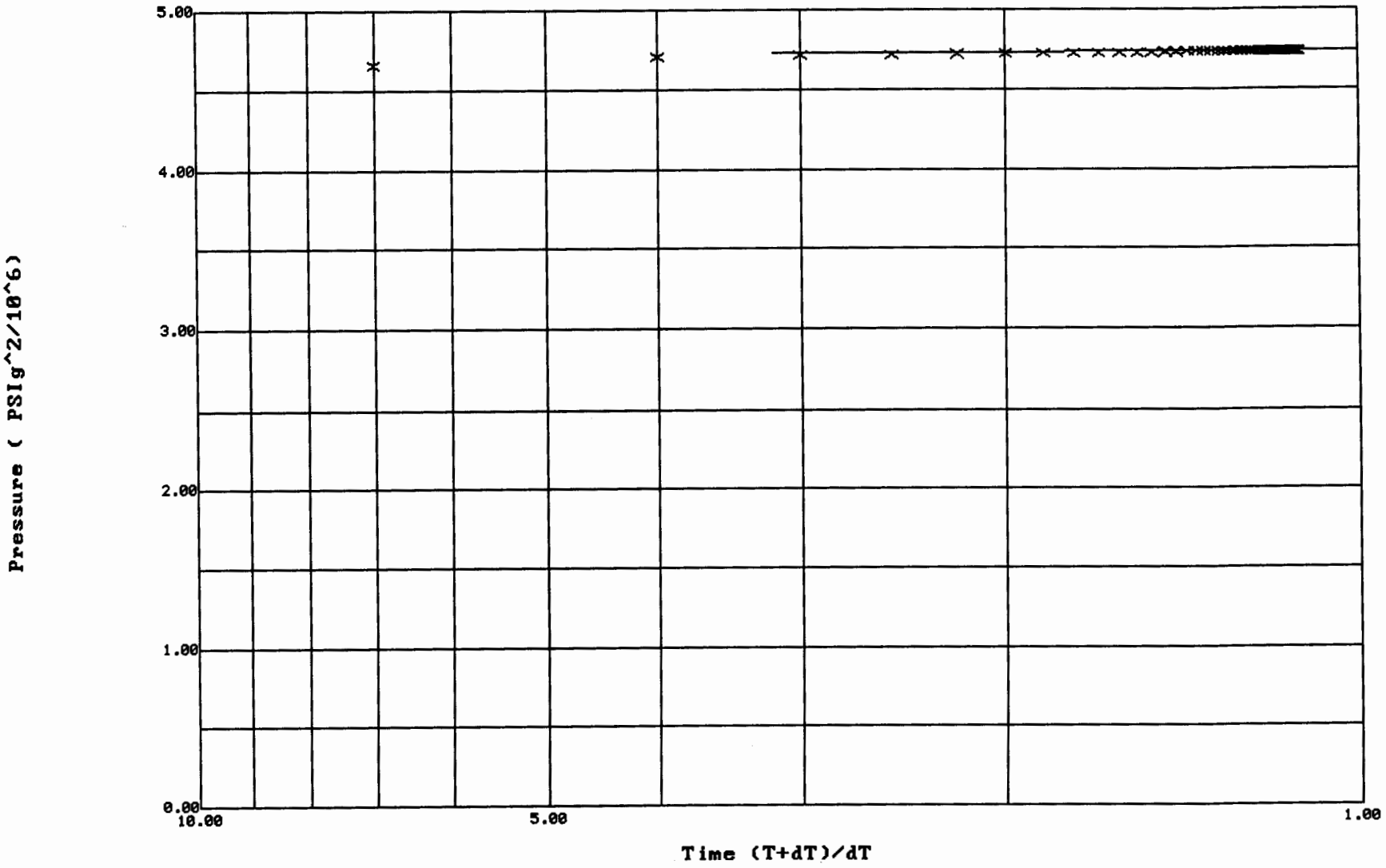
	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	138.00	2176.1	713.3	130.49	1.4638	4.735
	139.00	2176.1	713.3	130.51	1.4604	4.735
	140.00	2176.1	713.3	130.54	1.4571	4.735
	141.00	2176.1	713.3	130.55	1.4539	4.735
	142.00	2176.1	713.3	130.57	1.4507	4.735
	143.00	2176.1	713.3	130.60	1.4476	4.735
	144.00	2176.1	713.3	130.63	1.4444	4.735
	145.00	2176.1	713.3	130.65	1.4414	4.735
	146.00	2176.1	713.3	130.68	1.4384	4.736
	147.00	2176.1	713.3	130.69	1.4354	4.736
	148.00	2176.1	713.3	130.71	1.4324	4.735
	149.00	2176.1	713.3	130.74	1.4295	4.735
	150.00	2176.1	713.3	130.76	1.4267	4.735
	151.00	2176.1	713.3	130.78	1.4238	4.736
	152.00	2176.1	713.3	130.80	1.4211	4.736
	153.00	2176.1	713.3	130.83	1.4183	4.736
	154.00	2176.2	713.3	130.85	1.4156	4.736
	155.00	2176.2	713.3	130.87	1.4129	4.736
	156.00	2176.1	713.3	130.88	1.4103	4.736
	157.00	2176.2	713.4	130.91	1.4076	4.736
	158.00	2176.2	713.4	130.93	1.4051	4.736
	159.00	2176.2	713.4	130.96	1.4025	4.736
	160.00	2176.2	713.4	130.97	1.4000	4.736
	161.00	2176.2	713.4	130.99	1.3975	4.736
	162.00	2176.2	713.4	131.02	1.3951	4.736
	163.00	2176.2	713.4	131.03	1.3926	4.736
	164.00	2176.2	713.4	131.05	1.3902	4.736
	165.00	2176.2	713.4	131.07	1.3879	4.736
	166.00	2176.2	713.4	131.10	1.3855	4.736
	167.00	2176.2	713.4	131.13	1.3832	4.736
	168.00	2176.2	713.4	131.15	1.3810	4.736
	169.00	2176.2	713.4	131.16	1.3787	4.736
	170.00	2176.2	713.4	131.18	1.3765	4.736
	171.00	2176.2	713.4	131.20	1.3743	4.736
	172.00	2176.2	713.4	131.22	1.3721	4.736
	173.00	2176.2	713.4	131.24	1.3699	4.736
	174.00	2176.2	713.4	131.26	1.3678	4.736
	175.00	2176.2	713.4	131.28	1.3657	4.736
	176.00	2176.2	713.4	131.30	1.3636	4.736
	177.00	2176.2	713.4	131.32	1.3616	4.736
	178.00	2176.2	713.4	131.34	1.3596	4.736
****** End Shut-in 2	179.00	2176.2	713.4	131.36	1.3575	4.736
****** Final Hydro.	445.00	2752.8	0.0	131.27		

P^2 Horner Plot: shut-in #1

TK# 8723 DST#2 WEBSTER #3-3 SAM GARY

Slope: 0.0124 PSIg^2/10^6/cycle

Ext. Pressure: 2177.0732 PSIg

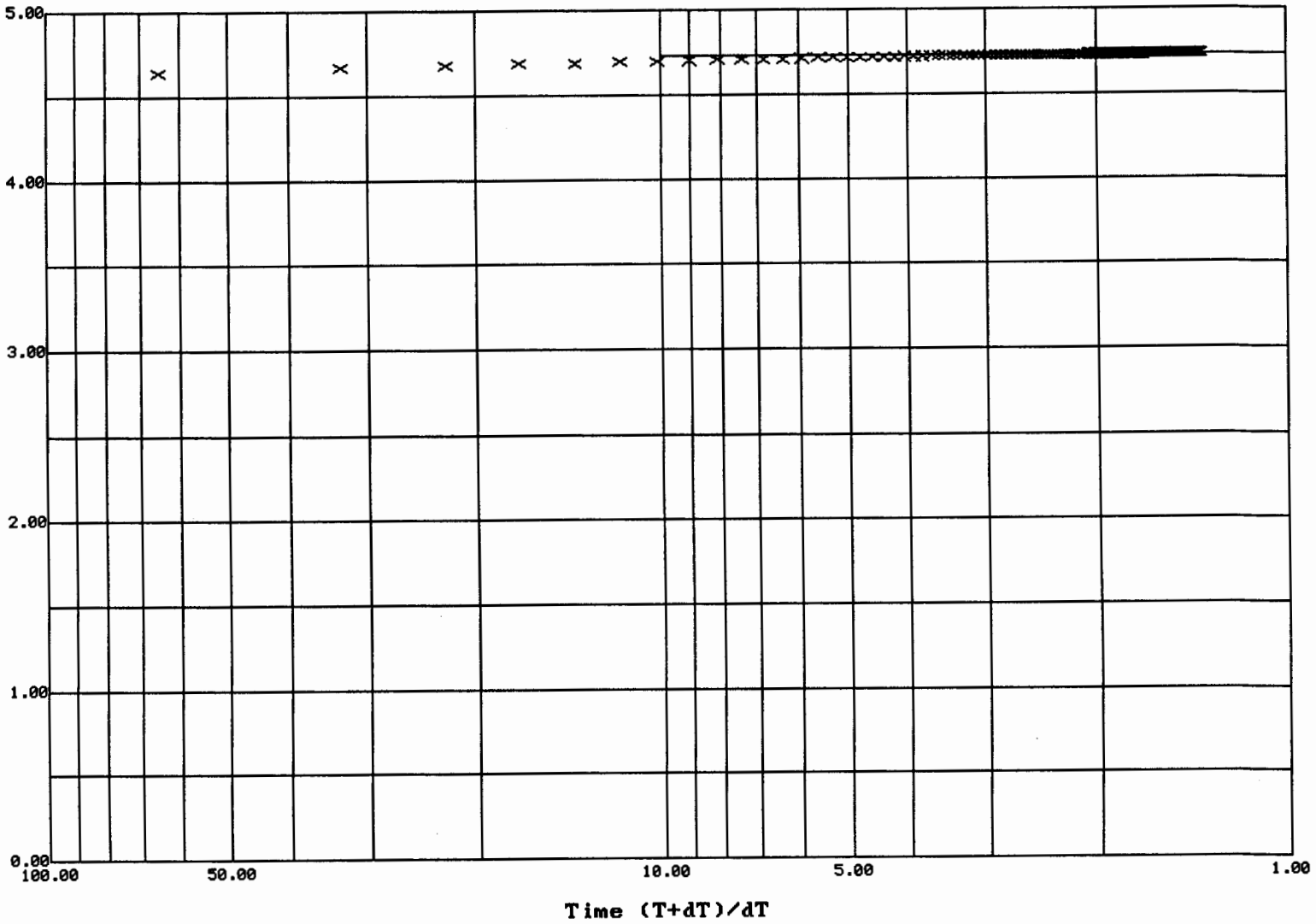


P^2 Horner Plot: shut-in #2

TK# 8723 DST#2 WEBSTER #3-3 SAM GARY

Slope: 0.0000 PSIg^2/10^6/cycle

Ext. Pressure: 2176.2134 PSIg



*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Webster #3-3

LOCATION : 3-33S-19W Comanche Cty KS

TICKET No. 8723 D.S.T. No. 2 DATE 5-6-96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 31

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR 16

TOTAL TOOL 47

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 47

D.C. ABOVE TOOLS.Stands3 Single Total 186

D.P. ABOVE TOOLS.Stands91 Single Total 5625

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5858

TOTAL DEPTH 5842

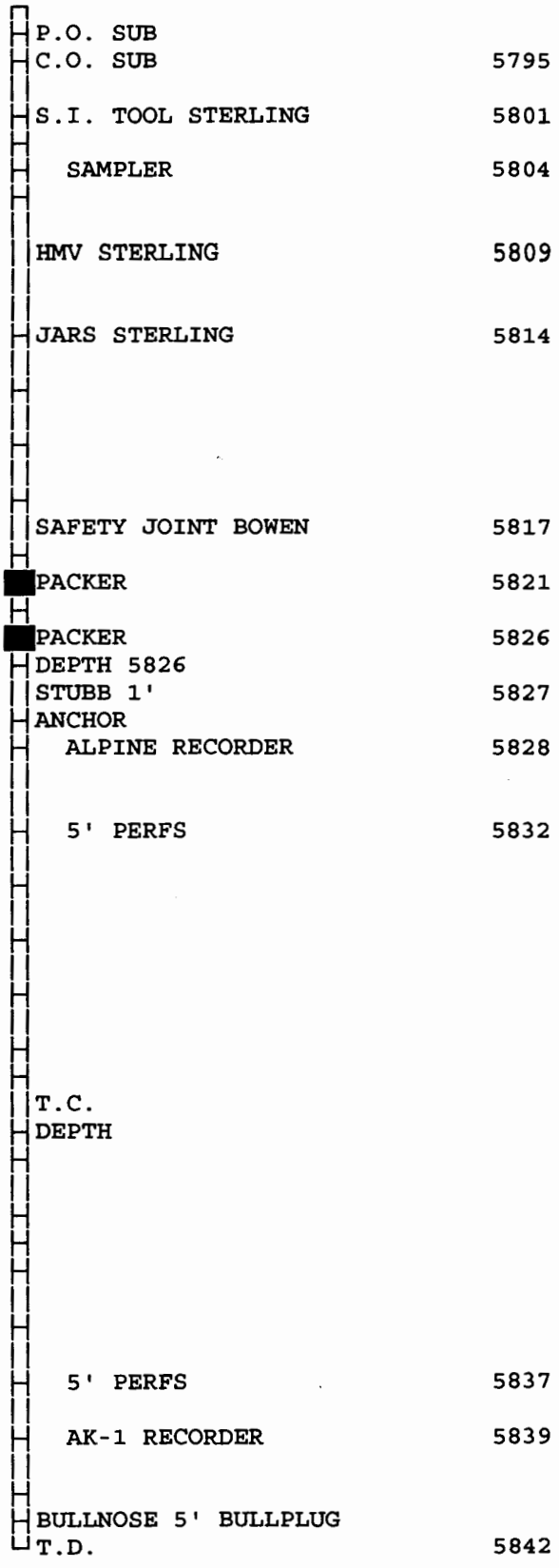
TOTAL DRILL PIPE ABOVE K.B. 16

REMARKS:

FLUID SAMPLER DATA

SAMPLER RECOVERY -
Gas 4000 ml, Pressure 2000 PSI, Ttl 4000 ml

PIT MUD ANALYSIS -
Chlorides 5000 ppm, Vis 48, Mud Wt 9.1,
Filtrate 8, LCM 3#



TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 8723 Date 5-6-96

Company Name Samuel Gary Jr. & Associates

Lease Webster # 3-3 Test No. 2

County Comanche Sec. 3 Twp. 33 Rng. 19

SAMPLER RECOVERY

Gas 4000 ML

Oil 0 ML

Mud 0 ML

Water 0 ML

Other 0 ML

Pressure 2000 PSI

Total 4000 ML

PIT MUD ANALYSIS

Chlorides 5,000 ppm.

Resistivity _____ ohms @ _____ F

Viscosity 48

Mud Weight 9.1

Filtrate 8

Other LCM 3#

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

Gravity _____ corrected @ 60 F

PIPE RECOVERY

TOP

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

MIDDLE

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

BOTTOM

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 8723

Well Name & No. Webster #3-3 Test No. 2 Date 5-6-96

Company Samuel Gary Jr. & Associates Zone Tested Viola

Address _____ Elevation 1945 KB 1932 GL

Co. Rep / Geo. Larry Benedick Cont. Duke #7 Est. Ft. of Pay ___ Por. ___ %

Location: Sec. 3 Twp. 33 Rge. 19 Co. Comanche State Ks

No. of Copies 5 Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 5826-5842 Initial Str Wt./Lbs. 27,000 Unseated Str Wt./Lbs. 27,000

Anchor Length 16 Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 80,000

Top Packer Depth 5821 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____

Bottom Packer Depth 5826 Wt. Pipe I.D. — 2.7 Ft. Run _____

Total Depth 5842 Drill Collar — 2.25 Ft. Run 186

Mud Wt. 9.1 LCM 3# Vis. 48 WL 8 Drill Pipe Size 4.5XH Ft. Run 5625

Blow Description I.F. Strong - B.O.B in 10 sec. GTS in 2 min.

F.F. Strong - B.O.B. as soon as Tool opened
Gas Sample Taken

Recovery — Total Feet 30 Ft. in DC 30 Ft. in WP _____ Ft. in DP _____

Rec. 30	Feet Of Condensate	%gas	%oil	%water	%mud
Rec. _____	Feet Of _____	%gas	%oil	%water	%mud
Rec. _____	Feet Of _____	%gas	%oil	%water	%mud
Rec. _____	Feet Of _____	%gas	%oil	%water	%mud
Rec. _____	Feet Of _____	%gas	%oil	%water	%mud

BHT 131 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 5,000 ppm System

(A) Initial Hydrostatic Mud	2838	2827 PSI	Recorder No.	3024	T-Started	03:45
(B) First Initial Flow Pressure	1177	1186 PSI	@ (depth)	5828	T-Open	06:00
(C) First Final Flow Pressure	1250	1186 PSI	Recorder No.	13754	T-Pulled	10:55
(D) Initial Shut-in Pressure	2177	2168 PSI	@ (depth)	5839	T-Out	1325
(E) Second Initial Flow Pressure	1154	1216 PSI	Recorder No.			
(F) Second Final Flow Pressure	1463	1446 PSI	@ (depth)			
(G) Final Shut-in Pressure	2176	2178 PSI	Initial Opening	10	Test	700.00
(H) Final Hydrostatic Mud	2752	2817 PSI	Initial Shut-in	45	Jars	X 200.00
	Alpin	AK-1	Final Flow	60	Safety Joint	X 50.00
			Final Shut-in	180	Straddle	
					Circ. Sub	
					Sampler	X 200.00
					Extra Packer	
					Elect. Rec.	X 150.00
					Other	
					TOTAL PRICE $	1200.00

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Larry G. Benedick

Our Representative Dan Engle

5

Co. downloaded files

TRILOBITE TESTING

P.O. Box 362 • Hays, Kansas 67601 • (913) 625-4778

GAS VOLUME REPORT

Samuel Gary Jr. & Assoc (OPERATOR) — Webster #2-3 (WELL NAME AND NO.) — 2 (DST NO.)

Min.	Ins. of Water (PSIG)	Orifice Size	MCF/D	Min.	Ins. of Water (PSIG)	Orifice Size	MCF/D
0		1½		0		1½	
5	40	"	3155	5	25	"	2258
10	48	"	3633	10	60	"	4349
				15	80	"	5543
				20	85	"	5842
				25	90	"	6140
				30	90	"	6140
				35	90	"	6140
				40	90	"	6140
				45	90	"	6140
				50	90	"	6140
				55	90	"	6140
				60	90	"	6140

Remarks: Gas Sample Taken on FF
GTS in 2min on 1F

101 NCR

TRILOBITE TESTING L.L.C.

OPERATOR : Sam Gary Jr & Associates — DATE 5-08-96
WELL NAME: #3-3 Webster — KB 1945.00 ft — TICKET NO: 8724 — DST #3
LOCATION : 03-33S-19W, Comanche KS — GR 1932.00 ft — FORMATION: Arbuckle
INTERVAL : 6108.00 To 6158.00 ft — TD 6199.00 ft — TEST TYPE: CONV. STRADDLE

RECORDER DATA

Mins		Field	1	2	3	4
PF 10	Rec.	AK-1	AK-1	Alpine	AK-1	
SI 60	Range(Psi)	4000.0	4000.0	4995.0	4375.0	0.0
SF 6	Clock(hrs)	18	18	Elect	12	
FS 120	Depth(ft)	6148.0	6148.0	6110.0	6193.0	0.0

TIME DATA----------
PF Fr. 2218 to 2228 hr
IS Fr. 2228 to 2328 hr
SF Fr. 2328 to 2334 hr
FS Fr. 2334 to 0134 hr

	Field	1	2	3	4
A. Init Hydro	2888.0	2858.0	3026.0	3363.0	0.0
B. First Flow	1916.0	1902.0	1975.0	0.0	0.0
B1. Final Flow	1926.0	1924.0	2143.0	0.0	0.0
C. In Shut-in	2117.0	2109.0	2318.0	0.0	0.0
D. Init Flow	2097.0	2077.0	2256.0	0.0	0.0
E. Final Flow	2097.0	2077.0	2276.0	0.0	0.0
F. Fl Shut-in	2117.0	2109.0	2318.0	0.0	0.0
G. Final Hydro	2735.0	2758.0	2807.0	3291.0	0.0
Inside/Outside	O	O	I	T	

T STARTED 2010 hr
T ON BOTM 2215 hr
T OPEN 2218 hr
T PULLED 0134 hr
T OUT 0800 hr

RECOVERY
Tot Fluid 6075.00 ft of 187.00 ft in DC and 5888.00 ft in DP
6075.00 ft of Clean gassy oil approx. - 70% gas, 30% oil

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

Tool Wt.	2800.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	124000.00 lbs
Initial Str Wt	83000.00 lbs
Unseated Str Wt	110000.00 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	187.00 ft
D.P. Length	5925.00 ft

SALINITY 0.00 P.P.M. A.P.I. Gravity 47.00

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

Mud Type	Chemical
Weight	9.20 lb/
Vis.	57.00 S/L
W.L.	8.00 in3
F.C.	0.00 in
Mud Drop	N

BLOW DESCRIPTION

Initial Flow -
Very strong, bottom of bucket in 15 sec; Gas to surface in 7 min, Gauged 219,000 cfd

Initial Shutin -
Strong, never would bleed off

Final Flow -
Strong, had stream of oil to surface in 5 min, closed tool in at 6 min

Final Shutin -
Strong, flowing oil & gas to tank

SAMPLES: gas caught beginning of Final Flow
SENT TO:Thurmond McGlouglin

Amt. of fill	0.00 ft
Btm. H. Temp.	142.00 F
Hole Condition	good
% Porosity	9.00
Packer Size	6.75 in
No. of Packers	3
Cushion Amt.	0.00
Cushion Type	none
Reversed Out	Y
Tool Chased	N
Tester	Paul Simpson
Co. Rep.	Larry Benedick
Contr.	Duke
Rig #	7
Unit #	
Pump T.	

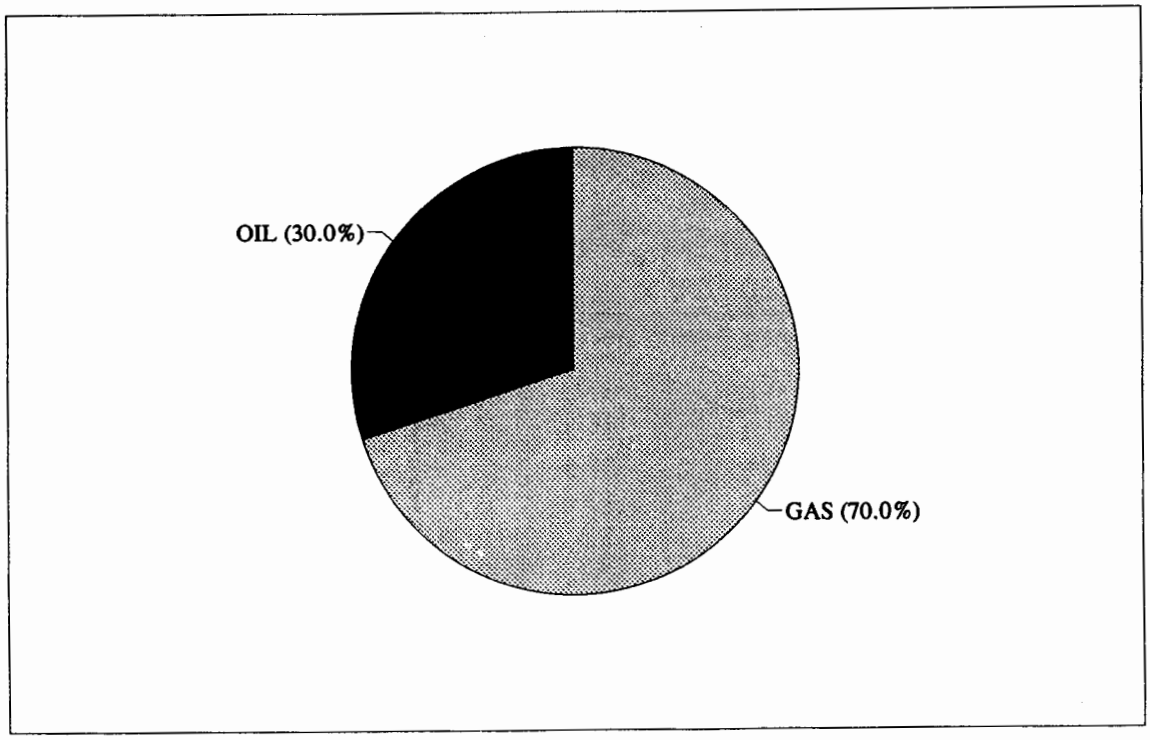
Test Successful: Y

CALCULATED RECOVERY ANALYSIS

DST # 3 TICKET 8724

SAMPLE #		TOTAL FEET	%	GAS FEET	%	OIL FEET	%	WATER FEET	%	MUD FEET
DRL PIPE	1	5888	70	4121.6	30	1766.4		0		0
	2			0		0		0		0
	3			0		0		0		0
	4			0		0		0		0
	5			0		0		0		0
	6			0		0		0		0
WGT PIPE	1			0		0		0		0
	2			0		0		0		0
	3			0		0		0		0
	4			0		0		0		0
COLLARS	1	187	70	130.9	30	56.1		0		0
	2			0		0		0		0
	3			0		0		0		0
	4			0		0		0		0
	5			0		0		0		0
TOTAL		6075		4252.5		1822.5		0		0

			HRS OPE	BBL/DAY
BBL OIL=	25.39254	*	0.267	2282.48
BBL WATER=	0	*		0
BBL MUD=	0			
BBL GAS =	59.24925			



GAS RECOVERY

COMPANY: Sam Gary Jr & Associates DATE: 5-08-96
WELL NAME: #3-3 Webster KB Elev: 1945.00 ft TICKET #8724 DST #3
WELL LOCATION: 03-33S-19W, Comanche KS GR Elev: 1932.00 ft FORMATION: Arbuckle
INTERVAL Fr.: 6108.00 To 6158.00 T.D.: 6199.00 ft TEST TYPE: CONV. STRADDLE

GAS RECOVERY MEASURED WITH Merla

***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
7	1.00	0	62	203000.0
10	1.00	0	72	219000.0

***** GAS RATES FOR FLOW #2

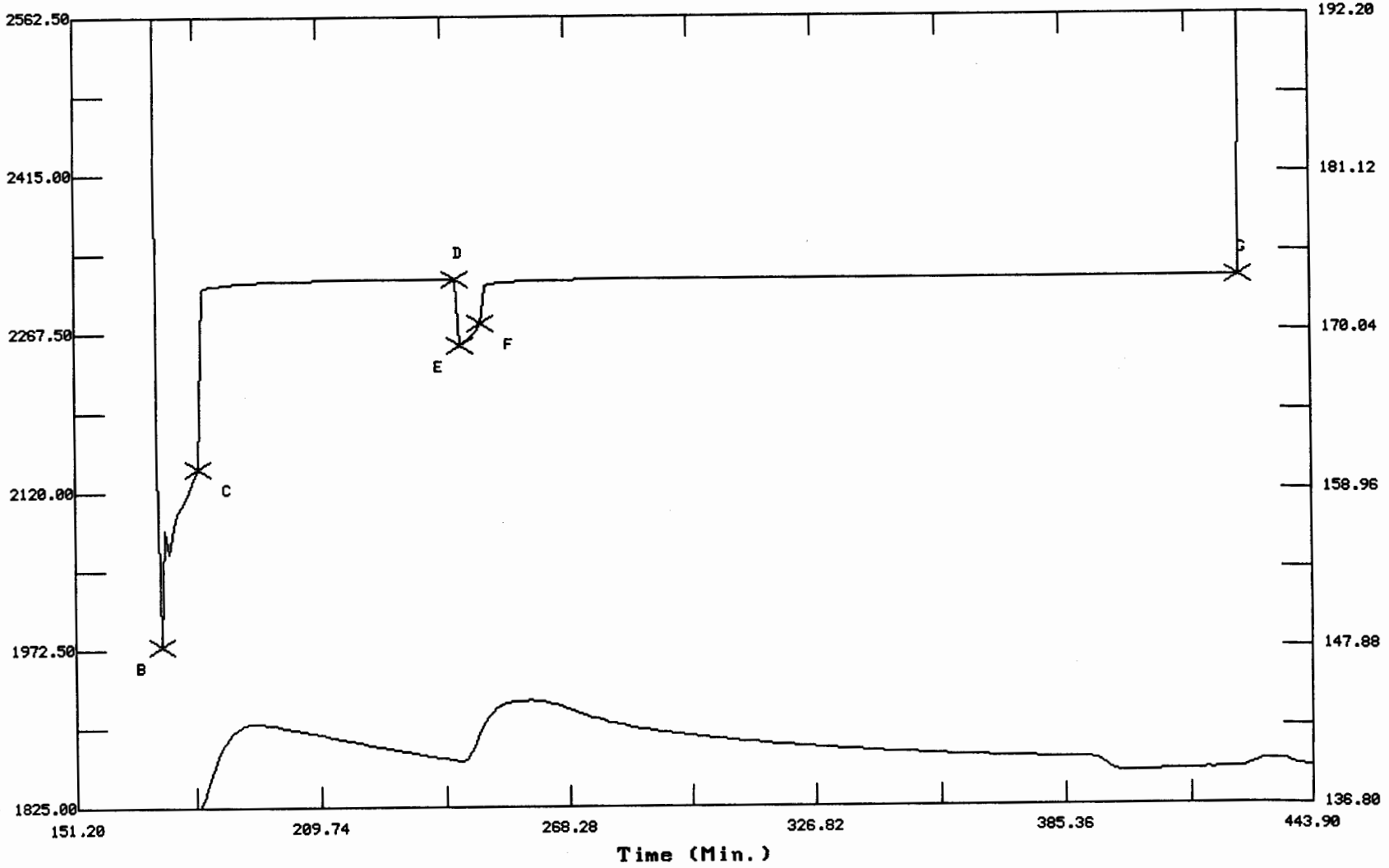
Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
3	0.50	0	24	30700.0

TEST HISTORY

8724 Sam Gary Jr & Associates Webster #3-3 DST #3

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	3025.56
B:	0.00	1975.29
C:	9.00	2142.66
D:	61.00	2317.76
E:	0.00	2255.63
F:	5.00	2276.44
G:	179.00	2318.22
Q:	0.00	2806.66



TEST HISTORY

8724 Sam Gary Jr & Associates Webster #3-3 DST #3

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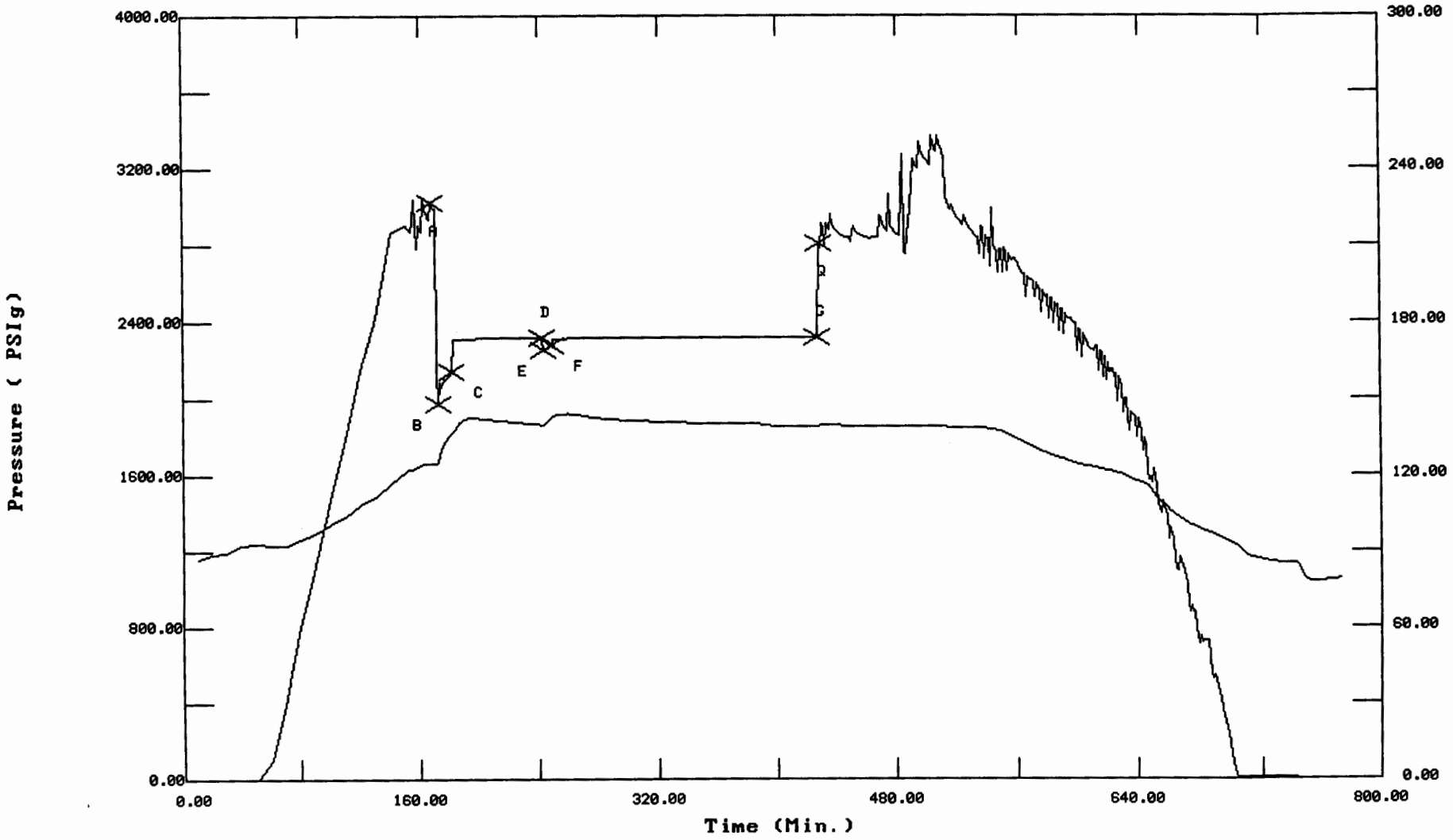
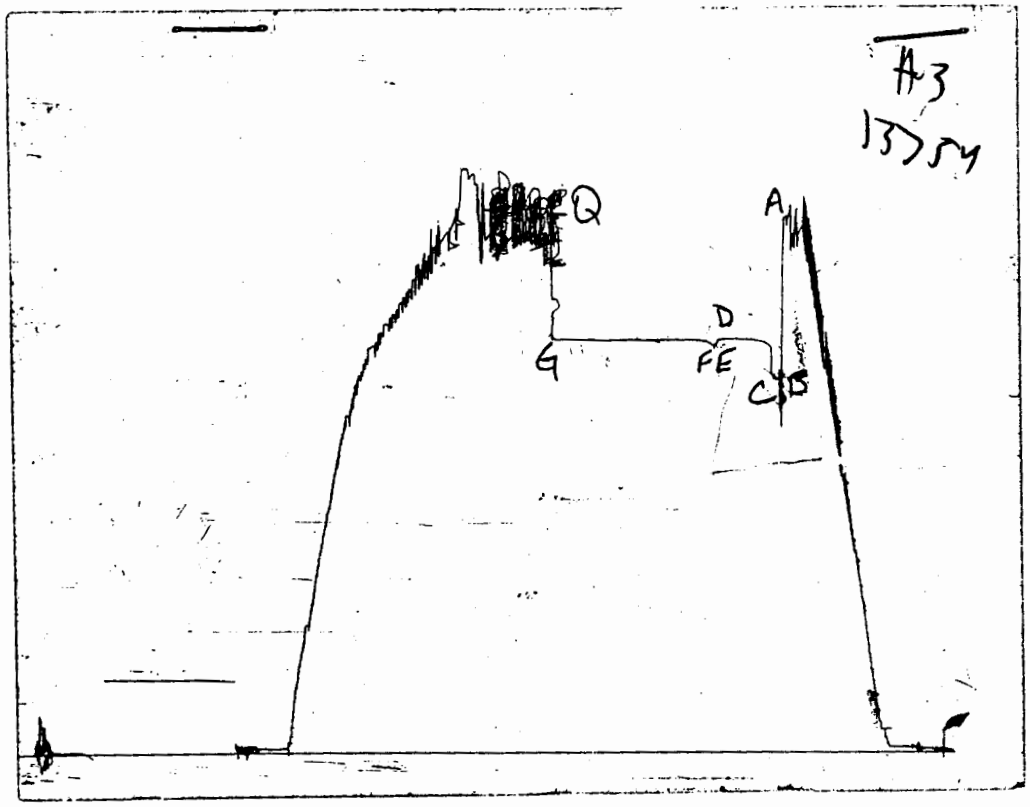
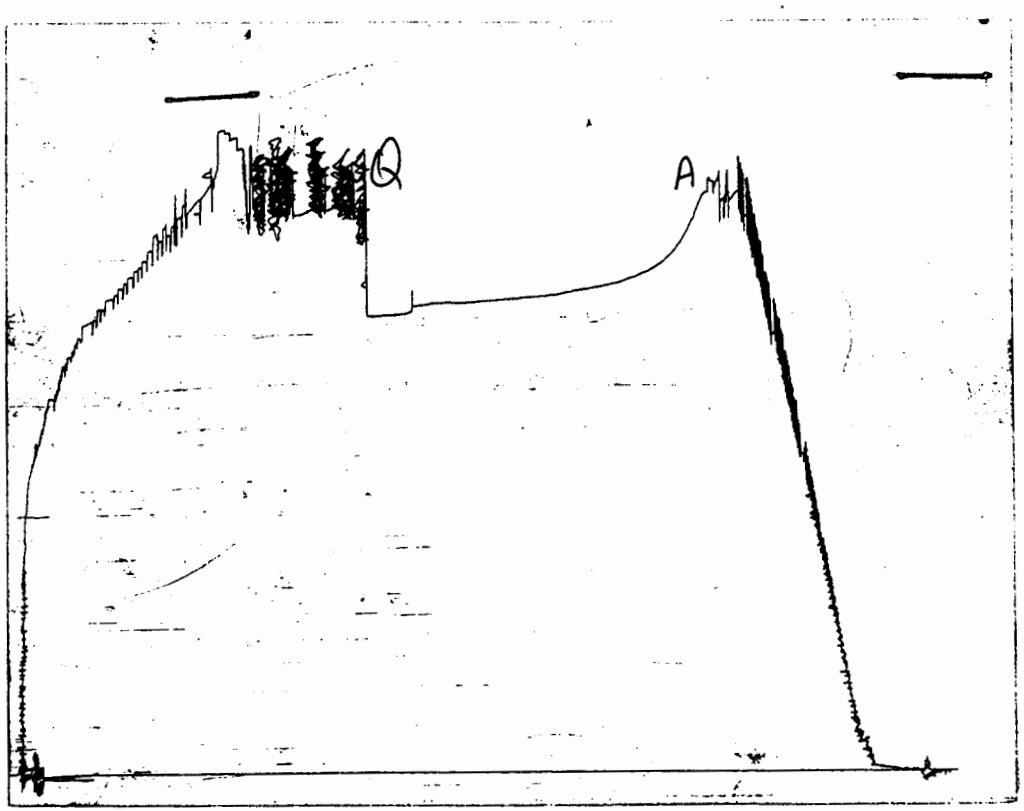


CHART PAGE



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

CHART PAGE



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

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8724 Sam Gary Jr & Associates Webster #3-3 DST #3

DATE: 05/08/96 TIME: 19:26:39

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	167.00	3025.6	0.0	124.91		
****** Start Flow 1	0.00	1975.3	0.0	125.90		
	1.00	2084.1	108.8	128.12		
	2.00	2062.5	87.2	130.23		
	3.00	2089.3	114.0	131.87		
	4.00	2099.9	124.6	133.11		
	5.00	2106.4	131.1	134.03		
	6.00	2115.5	140.3	134.78		
	7.00	2121.9	146.7	135.47		
	8.00	2133.1	157.8	136.15		
****** End Flow 1	9.00	2142.7	167.4	136.75		
****** Start Shutin 1	0.00	2142.7	0.0	136.75	0.0000	4.591
	1.00	2308.7	166.1	137.36	10.0000	5.330
	2.00	2310.2	167.6	138.13	5.5000	5.337
	3.00	2311.1	168.5	139.07	4.0000	5.341
	4.00	2311.8	169.2	139.94	3.2500	5.344
	5.00	2312.3	169.7	140.65	2.8000	5.347
	6.00	2312.8	170.2	141.22	2.5000	5.349
	7.00	2313.3	170.6	141.64	2.2857	5.351
	8.00	2313.7	171.0	141.97	2.1250	5.353
	9.00	2314.1	171.4	142.21	2.0000	5.355
	10.00	2314.4	171.8	142.40	1.9000	5.357
	11.00	2314.7	172.0	142.52	1.8182	5.358
	12.00	2315.0	172.3	142.61	1.7500	5.359
	13.00	2315.2	172.5	142.63	1.6923	5.360
	14.00	2315.4	172.7	142.64	1.6429	5.361
	15.00	2315.5	172.9	142.61	1.6000	5.362
	16.00	2315.7	173.1	142.56	1.5625	5.363
	17.00	2315.9	173.3	142.53	1.5294	5.363
	18.00	2316.1	173.4	142.47	1.5000	5.364
	19.00	2316.2	173.6	142.43	1.4737	5.365
	20.00	2316.4	173.7	142.36	1.4500	5.365
	21.00	2316.5	173.8	142.31	1.4286	5.366
	22.00	2316.6	173.9	142.24	1.4091	5.366
	23.00	2316.7	174.0	142.18	1.3913	5.367
	24.00	2316.8	174.1	142.12	1.3750	5.367
	25.00	2316.8	174.2	142.06	1.3600	5.368
	26.00	2316.9	174.3	141.99	1.3462	5.368
	27.00	2317.0	174.3	141.94	1.3333	5.368
	28.00	2317.0	174.4	141.86	1.3214	5.369
	29.00	2317.1	174.5	141.81	1.3103	5.369
	30.00	2317.1	174.5	141.74	1.3000	5.369
	31.00	2317.2	174.5	141.68	1.2903	5.369
	32.00	2317.2	174.6	141.62	1.2812	5.369
	33.00	2317.3	174.6	141.56	1.2727	5.370
	34.00	2317.3	174.7	141.49	1.2647	5.370
	35.00	2317.3	174.7	141.43	1.2571	5.370
	36.00	2317.4	174.7	141.39	1.2500	5.370
	37.00	2317.4	174.7	141.33	1.2432	5.370
	38.00	2317.4	174.8	141.26	1.2368	5.370
	39.00	2317.4	174.8	141.20	1.2308	5.371

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8724 Sam Gary Jr & Associates Webster #3-3 DST #3

DATE: 05/08/96 TIME: 19:26:39

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	40.00	2317.5	174.8	141.13	1.2250	5.371
	41.00	2317.5	174.8	141.07	1.2195	5.371
	42.00	2317.5	174.9	141.01	1.2143	5.371
	43.00	2317.6	174.9	140.96	1.2093	5.371
	44.00	2317.6	174.9	140.89	1.2045	5.371
	45.00	2317.6	174.9	140.83	1.2000	5.371
	46.00	2317.6	174.9	140.77	1.1957	5.371
	47.00	2317.6	174.9	140.72	1.1915	5.371
	48.00	2317.6	175.0	140.67	1.1875	5.371
	49.00	2317.6	175.0	140.60	1.1837	5.371
	50.00	2317.6	175.0	140.55	1.1800	5.371
	51.00	2317.7	175.0	140.49	1.1765	5.372
	52.00	2317.7	175.0	140.44	1.1731	5.372
	53.00	2317.7	175.0	140.38	1.1698	5.372
	54.00	2317.7	175.0	140.33	1.1667	5.372
	55.00	2317.7	175.0	140.29	1.1636	5.372
	56.00	2317.7	175.1	140.24	1.1607	5.372
	57.00	2317.7	175.1	140.19	1.1579	5.372
	58.00	2317.7	175.1	140.14	1.1552	5.372
	59.00	2317.8	175.1	140.09	1.1525	5.372
	60.00	2317.8	175.1	140.04	1.1500	5.372
***** End Shut-in 1	61.00	2317.8	175.1	139.99	1.1475	5.372
***** Start Flow 2	0.00	2255.6	0.0	139.93		
	1.00	2258.3	2.7	140.11		
	2.00	2261.8	6.1	140.65		
	3.00	2265.5	9.9	141.35		
	4.00	2268.9	13.3	142.03		
***** End Flow 2	5.00	2276.4	20.8	142.62		
***** Start Shutin 2	0.00	2276.4	0.0	142.62	0.0000	5.182
	1.00	2312.4	36.0	143.10	15.0000	5.347
	2.00	2313.3	36.8	143.46	8.0000	5.351
	3.00	2313.8	37.4	143.72	5.6667	5.354
	4.00	2314.2	37.8	143.90	4.5000	5.356
	5.00	2314.6	38.2	144.03	3.8000	5.357
	6.00	2314.9	38.5	144.13	3.3333	5.359
	7.00	2315.2	38.8	144.18	3.0000	5.360
	8.00	2315.5	39.0	144.22	2.7500	5.361
	9.00	2315.7	39.2	144.23	2.5556	5.362
	10.00	2315.9	39.4	144.24	2.4000	5.363
	11.00	2316.0	39.6	144.25	2.2727	5.364
	12.00	2316.1	39.7	144.24	2.1667	5.364
	13.00	2316.3	39.8	144.21	2.0769	5.365
	14.00	2316.4	39.9	144.18	2.0000	5.366
	15.00	2316.4	40.0	144.10	1.9333	5.366
	16.00	2316.6	40.1	144.01	1.8750	5.366
	17.00	2316.6	40.2	143.92	1.8235	5.367
	18.00	2316.7	40.3	143.83	1.7778	5.367
	19.00	2316.8	40.4	143.73	1.7368	5.368
	20.00	2316.9	40.4	143.63	1.7000	5.368
	21.00	2316.9	40.5	143.52	1.6667	5.368
	22.00	2317.0	40.5	143.41	1.6364	5.368

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8724 Sam Gary Jr & Associates Webster #3-3 DST #3

DATE: 05/08/96 TIME: 19:26:39

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
23.00	2317.0	40.6	143.31	1.6087	5.369
24.00	2317.1	40.6	143.22	1.5833	5.369
25.00	2317.1	40.7	143.12	1.5600	5.369
26.00	2317.2	40.7	143.02	1.5385	5.369
27.00	2317.2	40.8	142.94	1.5185	5.369
28.00	2317.3	40.8	142.85	1.5000	5.370
29.00	2317.3	40.8	142.76	1.4828	5.370
30.00	2317.3	40.9	142.68	1.4667	5.370
31.00	2317.3	40.9	142.61	1.4516	5.370
32.00	2317.4	40.9	142.54	1.4375	5.370
33.00	2317.4	40.9	142.48	1.4242	5.370
34.00	2317.4	41.0	142.42	1.4118	5.371
35.00	2317.5	41.0	142.35	1.4000	5.371
36.00	2317.5	41.0	142.30	1.3889	5.371
37.00	2317.5	41.0	142.24	1.3784	5.371
38.00	2317.5	41.1	142.19	1.3684	5.371
39.00	2317.5	41.1	142.15	1.3590	5.371
40.00	2317.5	41.1	142.10	1.3500	5.371
41.00	2317.5	41.1	142.05	1.3415	5.371
42.00	2317.6	41.1	142.00	1.3333	5.371
43.00	2317.6	41.2	141.96	1.3256	5.371
44.00	2317.6	41.2	141.93	1.3182	5.371
45.00	2317.6	41.2	141.89	1.3111	5.371
46.00	2317.6	41.2	141.84	1.3043	5.371
47.00	2317.6	41.2	141.81	1.2979	5.371
48.00	2317.7	41.2	141.77	1.2917	5.372
49.00	2317.7	41.2	141.74	1.2857	5.372
50.00	2317.7	41.2	141.71	1.2800	5.372
51.00	2317.7	41.3	141.67	1.2745	5.372
52.00	2317.7	41.3	141.63	1.2692	5.372
53.00	2317.7	41.3	141.60	1.2642	5.372
54.00	2317.7	41.3	141.57	1.2593	5.372
55.00	2317.7	41.3	141.54	1.2545	5.372
56.00	2317.8	41.3	141.51	1.2500	5.372
57.00	2317.8	41.3	141.49	1.2456	5.372
58.00	2317.8	41.3	141.44	1.2414	5.372
59.00	2317.8	41.3	141.42	1.2373	5.372
60.00	2317.8	41.4	141.40	1.2333	5.372
61.00	2317.8	41.3	141.35	1.2295	5.372
62.00	2317.8	41.4	141.33	1.2258	5.372
63.00	2317.8	41.4	141.31	1.2222	5.372
64.00	2317.8	41.4	141.29	1.2188	5.372
65.00	2317.8	41.4	141.26	1.2154	5.372
66.00	2317.8	41.4	141.23	1.2121	5.372
67.00	2317.8	41.4	141.20	1.2090	5.372
68.00	2317.8	41.4	141.18	1.2059	5.372
69.00	2317.9	41.4	141.14	1.2029	5.372
70.00	2317.8	41.4	141.12	1.2000	5.372
71.00	2317.9	41.4	141.09	1.1972	5.373
72.00	2317.9	41.4	141.07	1.1944	5.373
73.00	2317.9	41.4	141.04	1.1918	5.373

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8724 Sam Gary Jr & Associates Webster #3-3 DST #3

DATE: 05/08/96 TIME: 19:26:39

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
74.00	2317.9	41.5	141.02	1.1892	5.373
75.00	2317.9	41.5	141.00	1.1867	5.373
76.00	2317.9	41.5	140.97	1.1842	5.373
77.00	2317.9	41.5	140.94	1.1818	5.373
78.00	2317.9	41.5	140.93	1.1795	5.373
79.00	2317.9	41.4	140.90	1.1772	5.373
80.00	2317.9	41.5	140.87	1.1750	5.373
81.00	2317.9	41.5	140.85	1.1728	5.373
82.00	2317.9	41.5	140.84	1.1707	5.373
83.00	2317.9	41.5	140.82	1.1687	5.373
84.00	2317.9	41.5	140.79	1.1667	5.373
85.00	2317.9	41.5	140.77	1.1647	5.373
86.00	2317.9	41.5	140.75	1.1628	5.373
87.00	2317.9	41.5	140.74	1.1609	5.373
88.00	2317.9	41.5	140.72	1.1591	5.373
89.00	2318.0	41.5	140.69	1.1573	5.373
90.00	2318.0	41.5	140.67	1.1556	5.373
91.00	2318.0	41.5	140.66	1.1538	5.373
92.00	2317.9	41.5	140.64	1.1522	5.373
93.00	2318.0	41.5	140.62	1.1505	5.373
94.00	2318.0	41.5	140.61	1.1489	5.373
95.00	2318.0	41.5	140.58	1.1474	5.373
96.00	2318.0	41.5	140.57	1.1458	5.373
97.00	2318.0	41.5	140.56	1.1443	5.373
98.00	2318.0	41.5	140.53	1.1429	5.373
99.00	2318.0	41.5	140.53	1.1414	5.373
100.00	2318.0	41.5	140.51	1.1400	5.373
101.00	2318.0	41.5	140.48	1.1386	5.373
102.00	2318.0	41.5	140.47	1.1373	5.373
103.00	2318.0	41.6	140.46	1.1359	5.373
104.00	2318.0	41.6	140.45	1.1346	5.373
105.00	2318.0	41.6	140.43	1.1333	5.373
106.00	2318.0	41.6	140.41	1.1321	5.373
107.00	2318.0	41.6	140.39	1.1308	5.373
108.00	2318.0	41.6	140.38	1.1296	5.373
109.00	2318.0	41.6	140.37	1.1284	5.373
110.00	2318.0	41.6	140.35	1.1273	5.373
111.00	2318.1	41.6	140.35	1.1261	5.373
112.00	2318.0	41.6	140.34	1.1250	5.373
113.00	2318.0	41.6	140.32	1.1239	5.373
114.00	2318.0	41.6	140.31	1.1228	5.373
115.00	2318.0	41.6	140.30	1.1217	5.373
116.00	2318.0	41.6	140.29	1.1207	5.373
117.00	2318.0	41.6	140.27	1.1197	5.373
118.00	2318.0	41.6	140.27	1.1186	5.373
119.00	2318.0	41.6	140.25	1.1176	5.373
120.00	2318.0	41.6	140.25	1.1167	5.373
121.00	2318.0	41.6	140.23	1.1157	5.373
122.00	2318.0	41.6	140.21	1.1148	5.373
123.00	2318.1	41.6	140.21	1.1138	5.373
124.00	2318.1	41.6	140.20	1.1129	5.373

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8724 Sam Gary Jr & Associates Webster #3-3 DST #3

DATE: 05/08/96 TIME: 19:26:39

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
125.00	2318.1	41.6	140.19	1.1120	5.373
126.00	2318.0	41.6	140.18	1.1111	5.373
127.00	2318.1	41.6	140.16	1.1102	5.373
128.00	2318.1	41.6	140.16	1.1094	5.373
129.00	2318.1	41.6	140.15	1.1085	5.373
130.00	2318.1	41.6	140.14	1.1077	5.373
131.00	2318.1	41.6	140.14	1.1069	5.373
132.00	2318.1	41.7	140.12	1.1061	5.374
133.00	2318.1	41.7	140.12	1.1053	5.374
134.00	2318.1	41.6	140.10	1.1045	5.373
135.00	2318.1	41.6	140.09	1.1037	5.373
136.00	2318.1	41.7	140.09	1.1029	5.374
137.00	2318.1	41.6	140.07	1.1022	5.373
138.00	2318.1	41.7	140.07	1.1014	5.374
139.00	2318.1	41.7	140.07	1.1007	5.374
140.00	2318.1	41.7	140.06	1.1000	5.374
141.00	2318.1	41.7	140.04	1.0993	5.374
142.00	2318.1	41.7	140.04	1.0986	5.374
143.00	2318.1	41.7	140.03	1.0979	5.374
144.00	2318.1	41.7	140.02	1.0972	5.374
145.00	2317.5	41.1	139.98	1.0966	5.371
146.00	2318.1	41.7	139.78	1.0959	5.374
147.00	2318.1	41.7	139.52	1.0952	5.374
148.00	2318.2	41.7	139.33	1.0946	5.374
149.00	2318.1	41.7	139.20	1.0940	5.374
150.00	2318.2	41.7	139.13	1.0933	5.374
151.00	2318.2	41.7	139.10	1.0927	5.374
152.00	2318.2	41.7	139.09	1.0921	5.374
153.00	2318.1	41.7	139.08	1.0915	5.374
154.00	2318.1	41.7	139.08	1.0909	5.374
155.00	2318.1	41.7	139.08	1.0903	5.374
156.00	2318.1	41.6	139.09	1.0897	5.373
157.00	2318.1	41.6	139.10	1.0892	5.373
158.00	2318.1	41.7	139.12	1.0886	5.374
159.00	2318.1	41.7	139.13	1.0881	5.374
160.00	2318.1	41.6	139.15	1.0875	5.373
161.00	2318.1	41.6	139.16	1.0870	5.373
162.00	2318.1	41.7	139.17	1.0864	5.374
163.00	2318.1	41.7	139.18	1.0859	5.374
164.00	2318.1	41.7	139.19	1.0854	5.374
165.00	2318.1	41.7	139.20	1.0848	5.374
166.00	2318.1	41.6	139.21	1.0843	5.373
167.00	2318.1	41.7	139.24	1.0838	5.374
168.00	2318.1	41.7	139.23	1.0833	5.374
169.00	2318.1	41.7	139.24	1.0828	5.374
170.00	2318.1	41.7	139.24	1.0824	5.374
171.00	2318.1	41.7	139.26	1.0819	5.374
172.00	2318.1	41.7	139.25	1.0814	5.374
173.00	2318.2	41.7	139.25	1.0809	5.374
174.00	2318.2	41.7	139.27	1.0805	5.374
175.00	2318.2	41.7	139.26	1.0800	5.374

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8724 Sam Gary Jr & Associates Webster #3-3 DST #3

DATE: 05/08/96 TIME: 19:26:39

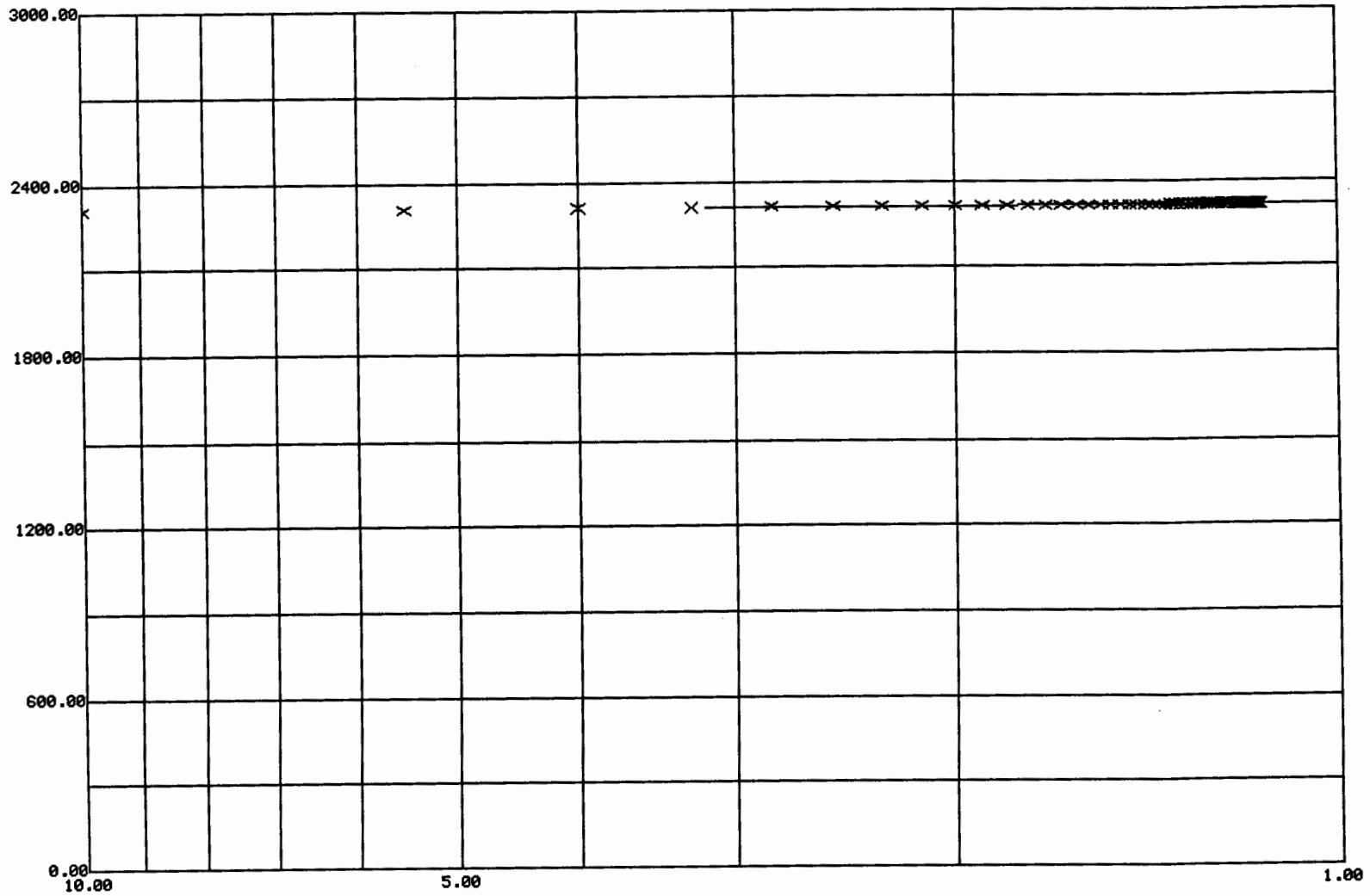
	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	176.00	2318.2	41.7	139.27	1.0795	5.374
	177.00	2318.2	41.7	139.27	1.0791	5.374
	178.00	2318.2	41.7	139.28	1.0787	5.374
***** End Shut-in 2	179.00	2318.2	41.8	139.28	1.0782	5.374
***** Final Hydro.	428.00	2806.7	0.0	139.39		

Horner Plot: shut-in #1

8724 Sam Gary Jr & Associates Webster #3-3 DST #3

Slope: 9.5438 PSIg/cycle

Ext. Pressure: 2318.3308 PSIg

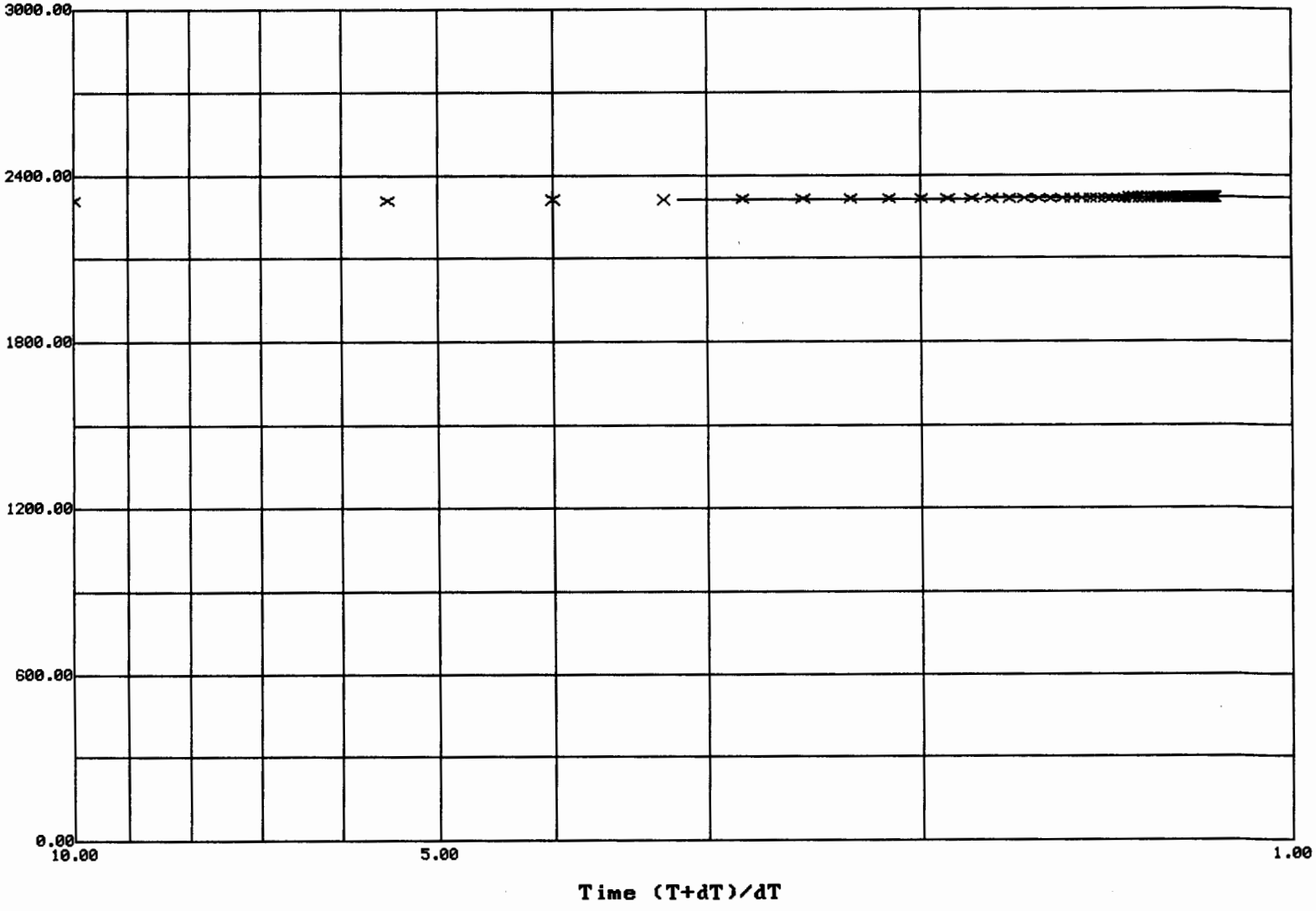


Horner Plot: shut-in #1

8724 Sam Gary Jr & Associates Webster #3-3 DST #3

Slope: 8.2079 PSIg/cycle

Ext. Pressure: 2318.2478 PSIg



*** TOOL DIAGRAM *** CONV. STRADDLE

WELL NAME: #3-3 Webster

LOCATION : 03-33S-19W, Comanche KS

TICKET No. 8724 D.S.T. No. 3 DATE 5-08-96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 30

INTERVAL TOOL 19

BOTTOM PACKERS AND ANCHOR 10

TOTAL TOOL 59

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 2 Total 62

TOTAL ASSEMBLY 121

D.C. ABOVE TOOLS.Stands3 Single Total 187

D.P. ABOVE TOOLS.Stands96 Single Total 5925

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 6233

TOTAL DEPTH 6199

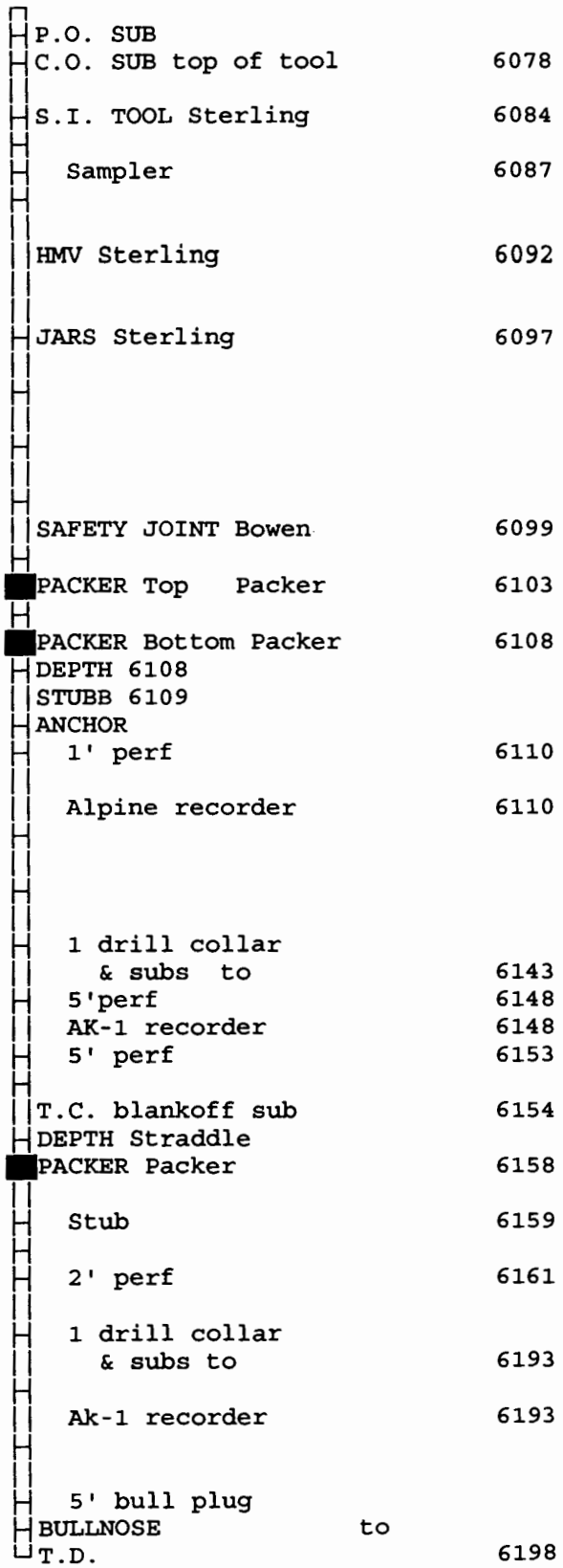
TOTAL DRILL PIPE ABOVE K.B. 34

REMARKS:

FLUID SAMPLER DATA

SAMPLER RECOVERY -
Gas 3.4 cu ft, Oil 3300 ml,
Pressure 2200 PSI, Total 4000 ml

Reversed oil into frac tank
approx 62 bbl of oil was gauged in
tank



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

№ 8724

Test Ticket

Well Name & No. Webster #3-3 Test No. 3 Date 5-8-96

Company Sam Crary Jr + Associates Zone Tested Arbuckle

Address _____ Elevation 1945 KB 1932 GL

Co. Rep / Geo. Larry Benedict Cont. Duke #7 Est. Ft. of Pay 10 Por. 9 %

Location: Sec. 3 Twp. 33s Rge. 19w Co. Comanche State Ks

No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 6108-6158 Initial Str Wt./Lbs. 83,000 Unseated Str Wt./Lbs. _____ dod 20,000

Anchor Length 50 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. _____

Top Packer Depth 6103-6108 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____

Bottom Packer Depth 6158 Wt. Pipe I.D. — 2.7 Ft. Run _____

Total Depth 6199 Drill Collar — 2.25 Ft. Run 187

Mud Wt. _____ LCM _____ Vis. _____ WL _____ Drill Pipe Size 4½ XH Ft. Run 5925

Blow Description strong - bottom of bucket in 15 seconds
GTS in 9 minutes
BB - OTS in 5 minutes
reversed into frac tank

Recovery — Total Feet 6075 Ft. in DC 187 Ft. in WP _____ Ft. in DP 5888

Rec. 6075 Feet Of cl gassy oil 70 %gas 30 %oil %water %mud

Rec. _____ Feet Of approx %gas %oil %water %mud

Rec. _____ Feet Of %gas %oil %water %mud

Rec. _____ Feet Of %gas %oil %water %mud

Rec. _____ Feet Of %gas %oil %water %mud

BHT 142 °F Gravity 49 °API D@ 80 °F Corrected Gravity 47 °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud	3025	2888 PSI	Recorder No.	3024	T-Started 2010
(B) First Initial Flow Pressure	1916	1975 PSI	@ (depth)	6110	T-Open 2218
(C) First Final Flow Pressure	1926	2143 PSI	Recorder No.	13754	T-Pulled 0138
(D) Initial Shut-in Pressure	2017	2318 PSI	@ (depth)	6188	T-Out 0800
(E) Second Initial Flow Pressure	2093	2255 PSI	Recorder No.	13849	
(F) Second Final Flow Pressure	2097	2276 PSI	@ (depth)	_____	
(G) Final Shut-in Pressure	2117	2318 PSI	Initial Opening	10	Test X 800
(H) Final Hydrostatic Mud	2806	2735 PSI	Initial Shut-in	60	Jars X 200
			Final Flow	60	Safety Joint X 50
			Final Shut-in	120	Straddle X 250
					Circ. Sub X 35
					Sampler X 200
					Extra Packer X 150
					Elect. Rec. X 150
					Other _____
					TOTAL PRICE $ 1835

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Approved By Larry G. Benedick

Our Representative Carl Simpson