

WELL NAME: CYR #A-2
COMPANY: Anadarko Petroleum Corp
LOCATION: 30-34S-41W
Morton County Kansas
DATE: 05/21/97

TRILOBITE TESTING L.L.C.

OPERATOR : Anadarko Petroleum Corp
WELL NAME: CYR #A-2
LOCATION : 30-34S-41W
INTERVAL : 4410.00 To 4447.00 ft

DATE 5-18-97
KB 0.00 ft
GR 0.00 ft
TD 4447.00 ft

TICKET NO: 9838
FORMATION: Cherokee
TEST TYPE: CONV

DST #1

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	2836	2836	3405			PF Fr. 2214 to 2244 hr
SI 60 Range(Psi)	3550.0	3550.0	4995.0	0.0	0.0	IS Fr. 2244 to 2344 hr
SF 60 Clock(hrs)	12Hr.	12HR.	Elet.			SF Fr. 2344 to 0044 hr
FS 120 Depth(ft)	4444.0	4444.0	4414.0	0.0	0.0	FS Fr. 0044 to 0244 hr

	Field	1	2	3	4	
A. Init Hydro	2181.0	2217.0	2185.0	0.0	0.0	T STARTED 1900 hr
B. First Flow	85.0	75.0	16.0	0.0	0.0	T ON BOTM 2212 hr
B1. Final Flow	77.0	73.0	36.0	0.0	0.0	T OPEN 2214 hr
C. In Shut-in	858.0	860.0	920.0	0.0	0.0	T PULLED 0244 hr
D. Init Flow	85.0	107.0	36.0	0.0	0.0	T OUT 0600 hr
E. Final Flow	94.0	106.0	71.0	0.0	0.0	
F. Fl Shut-in	867.0	877.0	937.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2118.0	2213.0	2098.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 25000.00 lbs
						Wt Pulled Loose 100000.00 lb
						Initial Str Wt 80000.00 lbs
						Unseated Str Wt 80000.00 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 723.00 ft
						D.P. Length 3696.00 ft

RECOVERY

Tot Fluid	65.00 ft of	65.00 ft in DC and	0.00 ft in DP
775.00	ft of Gas in Pipe		
0.00	ft of		
65.00	ft of Drilling Mud		
0.00	ft of		
0.00	ft of		
0.00	ft of		
0.00	ft of		
0.00	ft of		
SALINITY	0.00 P.P.M.	A.P.I. Gravity	0.00

BLOW DESCRIPTION

Initial Flow:
Fair blow, built to bottom of bucket
in

Final Flow:

NO blow for 10 mins, FLUSHED tool had
weak blow built to 3"

SAMPLES: NO

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/
Vis.	45.00 S/L
W.L.	10.00 in3
F.C.	0.00 in
Mud Drop Y	25.0 ft

Amt. of fill	1.00 ft
Btm. H. Temp.	114.00 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	Mike Colantonio
Co. Rep.	John Shilling
Contr.	Cheyenne
Rig #	7
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** CONV

WELL NAME: CYR #A-2

LOCATION : 30-34S-41W

TICKET No. 9838 D.S.T. No. 1 DATE 5-18-97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 25ft

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 42ft

TOTAL TOOL 67ft

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 67ft

D.C. ABOVE TOOLS.Stands12 Single Total 723ft.

D.P. ABOVE TOOLS.Stands59 Single 1 Total 3696ft

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4486ft

TOTAL DEPTH 4447ft

TOTAL DRILL PIPE ABOVE K.B. 24ft

REMARKS:

SAMPLER DATA

1.9 Cubic ft. Gas

800 ML Mud

50PSI.

1000ML Total

P.O. SUB top tool	4380
C.O. SUB 1ft	4381
S.I. TOOL 5ft	4386
3ft SAMPLER	4389
HMV 5ft	4394
JARS 5ft	4399
SAFETY JOINT 2ft	4401
PACKER 5ft	4405
PACKER 5ft	4410
DEPTH	
STUBB 1ft	4411
ANCHOR	
2ft perf	4413
Alpine Rec	4414
T.C.	
DEPTH	
6ft PU Sub	4419
25ft Perf	4444
BULLNOSE AK-1 Rec	4444
T.D. 3ft Bullplug	4447

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: 9838 DST#1 CYR #A-2 Anadarko Pet. Corp.
 DATE: 05/18/97 TIME: 18:16:44

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	185.00	2185.2	0.0	113.77		
***** Start Flow 1	0.00	16.1	0.0	113.92		
	1.00	17.9	1.8	113.89		
	2.00	19.6	3.4	113.89		
	3.00	21.8	5.7	113.89		
	4.00	21.9	5.7	113.89		
	5.00	22.5	6.4	113.91		
	6.00	22.9	6.8	113.92		
	7.00	24.4	8.3	113.94		
	8.00	24.3	8.2	113.95		
	9.00	25.2	9.1	113.96		
	10.00	25.5	9.4	113.97		
	11.00	26.7	10.6	113.98		
	12.00	27.6	11.4	113.98		
	13.00	27.2	11.1	113.99		
	14.00	27.0	10.9	114.00		
	15.00	29.5	13.4	114.01		
	16.00	28.2	12.1	114.02		
	17.00	31.4	15.3	114.02		
	18.00	30.5	14.4	114.03		
	19.00	31.1	15.0	114.04		
	20.00	31.3	15.1	114.04		
	21.00	34.9	18.8	114.05		
	22.00	32.3	16.2	114.06		
	23.00	34.1	18.0	114.07		
	24.00	35.5	19.4	114.09		
	25.00	33.0	16.9	114.10		
	26.00	35.5	19.3	114.12		
	27.00	35.5	19.4	114.14		
	28.00	36.2	20.0	114.14		
***** End Flow 1	29.00	36.9	20.7	114.16		
***** Start Shutin 1	0.00	36.9	0.0	114.16	0.0000	0.001
	1.00	39.2	2.3	114.18	30.0000	0.002
	2.00	59.0	22.2	114.18	15.5000	0.003
	3.00	80.0	43.2	114.20	10.6667	0.006
	4.00	102.9	66.0	114.20	8.2500	0.011
	5.00	128.1	91.2	114.23	6.8000	0.016
	6.00	155.7	118.9	114.24	5.8333	0.024
	7.00	185.8	149.0	114.25	5.1429	0.035
	8.00	217.8	180.9	114.26	4.6250	0.047
	9.00	250.9	214.1	114.28	4.2222	0.063
	10.00	284.9	248.1	114.30	3.9000	0.081
	11.00	318.9	282.0	114.32	3.6364	0.102
	12.00	352.2	315.4	114.33	3.4167	0.124
	13.00	384.7	347.8	114.34	3.2308	0.148
	14.00	415.9	379.1	114.37	3.0714	0.173
	15.00	445.7	408.8	114.40	2.9333	0.199
	16.00	473.8	437.0	114.40	2.8125	0.224
	17.00	500.3	463.5	114.43	2.7059	0.250
	18.00	525.1	488.3	114.44	2.6111	0.276
	19.00	548.5	511.7	114.46	2.5263	0.301

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	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	20.00	570.5	533.6	114.47	2.4500	0.325
	21.00	591.0	554.1	114.49	2.3810	0.349
	22.00	610.1	573.3	114.51	2.3182	0.372
	23.00	628.5	591.7	114.53	2.2609	0.395
	24.00	645.7	608.8	114.54	2.2083	0.417
	25.00	661.8	624.9	114.55	2.1600	0.438
	26.00	677.0	640.1	114.57	2.1154	0.458
	27.00	691.3	654.4	114.58	2.0741	0.478
	28.00	704.8	667.9	114.60	2.0357	0.497
	29.00	717.6	680.7	114.61	2.0000	0.515
	30.00	729.6	692.8	114.62	1.9667	0.532
	31.00	741.1	704.3	114.64	1.9355	0.549
	32.00	752.0	715.1	114.65	1.9062	0.565
	33.00	762.3	725.4	114.66	1.8788	0.581
	34.00	772.1	735.2	114.68	1.8529	0.596
	35.00	781.4	744.6	114.68	1.8286	0.611
	36.00	790.3	753.4	114.69	1.8056	0.625
	37.00	798.8	761.9	114.70	1.7838	0.638
	38.00	806.9	770.0	114.72	1.7632	0.651
	39.00	814.7	777.8	114.72	1.7436	0.664
	40.00	822.0	785.1	114.73	1.7250	0.676
	41.00	829.1	792.2	114.75	1.7073	0.687
	42.00	835.8	799.0	114.76	1.6905	0.699
	43.00	842.3	805.5	114.77	1.6744	0.709
	44.00	848.5	811.7	114.77	1.6591	0.720
	45.00	854.5	817.7	114.77	1.6444	0.730
	46.00	860.2	823.4	114.79	1.6304	0.740
	47.00	865.7	828.9	114.79	1.6170	0.750
	48.00	870.6	833.8	114.81	1.6042	0.758
	49.00	875.2	838.3	114.81	1.5918	0.766
	50.00	879.9	843.0	114.82	1.5800	0.774
	51.00	884.4	847.6	114.83	1.5686	0.782
	52.00	888.9	852.1	114.84	1.5577	0.790
	53.00	893.3	856.4	114.85	1.5472	0.798
	54.00	897.5	860.6	114.85	1.5370	0.805
	55.00	901.6	864.7	114.86	1.5273	0.813
	56.00	905.5	868.6	114.87	1.5179	0.820
	57.00	909.4	872.5	114.88	1.5088	0.827
	58.00	913.1	876.3	114.88	1.5000	0.834
	59.00	916.7	879.9	114.88	1.4915	0.840
***** End Shut-in 1	60.00	920.1	883.3	114.90	1.4833	0.847
***** Start Flow 2	0.00	36.8	0.0	114.94		
	1.00	42.7	5.8	114.91		
	2.00	45.8	9.0	114.87		
	3.00	46.4	9.6	114.83		
	4.00	47.2	10.4	114.80		
	5.00	47.5	10.7	114.77		
	6.00	48.0	11.2	114.76		
	7.00	48.3	11.5	114.75		
	8.00	48.8	11.9	114.75		
	9.00	49.3	12.5	114.73		

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	10.00	49.5	12.6	114.73		
	11.00	49.7	12.9	114.73		
	12.00	50.1	13.3	114.73		
	13.00	49.9	13.1	114.74		
	14.00	50.5	13.7	114.74		
	15.00	2136.9	2100.1	114.68		
	16.00	62.5	25.7	114.74		
	17.00	57.4	20.6	114.96		
	18.00	60.6	23.8	114.96		
	19.00	58.9	22.1	114.95		
	20.00	58.3	21.4	114.93		
	21.00	58.3	21.4	114.92		
	22.00	58.4	21.6	114.90		
	23.00	58.9	22.0	114.90		
	24.00	59.7	22.9	114.90		
	25.00	60.3	23.5	114.89		
	26.00	60.5	23.7	114.89		
	27.00	58.9	22.1	114.90		
	28.00	60.7	23.9	114.90		
	29.00	60.9	24.0	114.91		
	30.00	61.2	24.4	114.92		
	31.00	61.8	25.0	114.93		
	32.00	62.0	25.2	114.93		
	33.00	62.2	25.3	114.94		
	34.00	63.2	26.4	114.95		
	35.00	61.6	24.8	114.95		
	36.00	63.1	26.3	114.97		
	37.00	63.3	26.5	114.98		
	38.00	64.1	27.2	114.99		
	39.00	64.1	27.2	115.00		
	40.00	64.9	28.0	115.00		
	41.00	65.2	28.4	115.01		
	42.00	62.6	25.8	115.02		
	43.00	65.2	28.3	115.03		
	44.00	65.9	29.0	115.05		
	45.00	65.9	29.1	115.06		
	46.00	65.9	29.0	115.07		
	47.00	66.9	30.1	115.08		
	48.00	67.1	30.2	115.10		
	49.00	67.5	30.7	115.10		
	50.00	68.0	31.2	115.11		
	51.00	68.6	31.8	115.13		
	52.00	69.0	32.2	115.13		
	53.00	69.2	32.4	115.15		
	54.00	69.7	32.9	115.16		
	55.00	70.3	33.4	115.17		
	56.00	70.6	33.8	115.18		
	57.00	71.1	34.2	115.20		
***** End Flow 2	58.00	71.4	34.5	115.20		
***** Start Shutin 2	0.00	71.4	0.0	115.20	0.0000	0.005
	1.00	80.5	9.1	115.21	88.0000	0.006

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Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
2.00	100.6	29.2	115.23	44.5000	0.010
3.00	121.5	50.1	115.24	30.0000	0.015
4.00	143.4	72.1	115.26	22.7500	0.021
5.00	166.2	94.8	115.26	18.4000	0.028
6.00	189.5	118.1	115.27	15.5000	0.036
7.00	213.2	141.8	115.28	13.4286	0.045
8.00	236.9	165.5	115.30	11.8750	0.056
9.00	260.4	189.0	115.32	10.6667	0.068
10.00	283.6	212.2	115.33	9.7000	0.080
11.00	306.3	234.9	115.35	8.9091	0.094
12.00	328.3	256.9	115.37	8.2500	0.108
13.00	349.7	278.3	115.38	7.6923	0.122
14.00	370.3	298.9	115.39	7.2143	0.137
15.00	390.2	318.9	115.40	6.8000	0.152
16.00	409.3	338.0	115.43	6.4375	0.168
17.00	427.6	356.3	115.44	6.1176	0.183
18.00	445.2	373.8	115.45	5.8333	0.198
19.00	461.9	390.5	115.47	5.5789	0.213
20.00	477.9	406.5	115.49	5.3500	0.228
21.00	493.3	421.9	115.50	5.1429	0.243
22.00	508.1	436.8	115.50	4.9545	0.258
23.00	522.3	451.0	115.52	4.7826	0.273
24.00	535.9	464.5	115.53	4.6250	0.287
25.00	549.0	477.6	115.56	4.4800	0.301
26.00	561.4	490.1	115.57	4.3462	0.315
27.00	573.4	502.1	115.57	4.2222	0.329
28.00	585.0	513.7	115.58	4.1071	0.342
29.00	596.3	524.9	115.59	4.0000	0.356
30.00	607.0	535.7	115.59	3.9000	0.368
31.00	617.4	546.0	115.61	3.8065	0.381
32.00	627.3	555.9	115.62	3.7188	0.393
33.00	636.8	565.4	115.62	3.6364	0.406
34.00	646.0	574.6	115.63	3.5588	0.417
35.00	654.8	583.5	115.65	3.4857	0.429
36.00	663.3	592.0	115.65	3.4167	0.440
37.00	671.5	600.2	115.67	3.3514	0.451
38.00	679.4	608.1	115.68	3.2895	0.462
39.00	687.1	615.7	115.68	3.2308	0.472
40.00	694.5	623.1	115.69	3.1750	0.482
41.00	701.6	630.3	115.69	3.1220	0.492
42.00	708.5	637.2	115.70	3.0714	0.502
43.00	715.2	643.9	115.70	3.0233	0.512
44.00	721.7	650.4	115.71	2.9773	0.521
45.00	728.0	656.6	115.72	2.9333	0.530
46.00	734.1	662.7	115.73	2.8913	0.539
47.00	740.0	668.6	115.73	2.8511	0.548
48.00	745.7	674.3	115.74	2.8125	0.556
49.00	751.2	679.9	115.75	2.7755	0.564
50.00	756.6	685.3	115.75	2.7400	0.572
51.00	761.8	690.5	115.76	2.7059	0.580
52.00	766.9	695.5	115.76	2.6731	0.588

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53.00	771.8	700.5	115.77	2.6415	0.596
54.00	776.6	705.2	115.77	2.6111	0.603
55.00	781.2	709.9	115.79	2.5818	0.610
56.00	785.8	714.4	115.79	2.5536	0.617
57.00	790.1	718.7	115.80	2.5263	0.624
58.00	794.3	722.9	115.81	2.5000	0.631
59.00	798.4	727.0	115.81	2.4746	0.637
60.00	802.4	731.0	115.81	2.4500	0.644
61.00	806.3	734.9	115.82	2.4262	0.650
62.00	810.3	738.9	115.82	2.4032	0.657
63.00	814.1	742.7	115.84	2.3810	0.663
64.00	817.8	746.4	115.84	2.3594	0.669
65.00	821.4	750.1	115.84	2.3385	0.675
66.00	824.9	753.6	115.85	2.3182	0.681
67.00	828.4	757.0	115.85	2.2985	0.686
68.00	831.7	760.3	115.85	2.2794	0.692
69.00	834.9	763.6	115.85	2.2609	0.697
70.00	838.1	766.7	115.86	2.2429	0.702
71.00	841.2	769.8	115.87	2.2254	0.708
72.00	844.2	772.9	115.88	2.2083	0.713
73.00	847.2	775.8	115.88	2.1918	0.718
74.00	850.1	778.7	115.88	2.1757	0.723
75.00	852.9	781.5	115.89	2.1600	0.727
76.00	855.7	784.3	115.90	2.1447	0.732
77.00	858.4	787.0	115.89	2.1299	0.737
78.00	861.0	789.7	115.90	2.1154	0.741
79.00	863.6	792.3	115.91	2.1013	0.746
80.00	866.2	794.8	115.91	2.0875	0.750
81.00	868.6	797.3	115.91	2.0741	0.755
82.00	871.1	799.7	115.92	2.0610	0.759
83.00	873.5	802.1	115.92	2.0482	0.763
84.00	875.8	804.4	115.93	2.0357	0.767
85.00	878.1	806.7	115.93	2.0235	0.771
86.00	880.3	808.9	115.94	2.0116	0.775
87.00	882.5	811.1	115.94	2.0000	0.779
88.00	884.6	813.3	115.95	1.9886	0.783
89.00	886.8	815.4	115.94	1.9775	0.786
90.00	888.8	817.5	115.95	1.9667	0.790
91.00	890.9	819.5	115.95	1.9560	0.794
92.00	892.8	821.5	115.96	1.9457	0.797
93.00	894.8	823.4	115.97	1.9355	0.801
94.00	896.7	825.3	115.96	1.9255	0.804
95.00	898.5	827.2	115.97	1.9158	0.807
96.00	900.4	829.0	115.97	1.9062	0.811
97.00	902.2	830.8	115.97	1.8969	0.814
98.00	904.0	832.6	115.98	1.8878	0.817
99.00	905.7	834.4	115.99	1.8788	0.820
100.00	907.5	836.1	116.00	1.8700	0.823
101.00	909.1	837.8	115.99	1.8614	0.827
102.00	910.8	839.4	115.99	1.8529	0.830
103.00	912.4	841.1	116.00	1.8447	0.833

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9838 DST#1 CYR #A-2 Anadarko Pet. Corp.

DATE: 05/18/97

TIME: 18:16:44

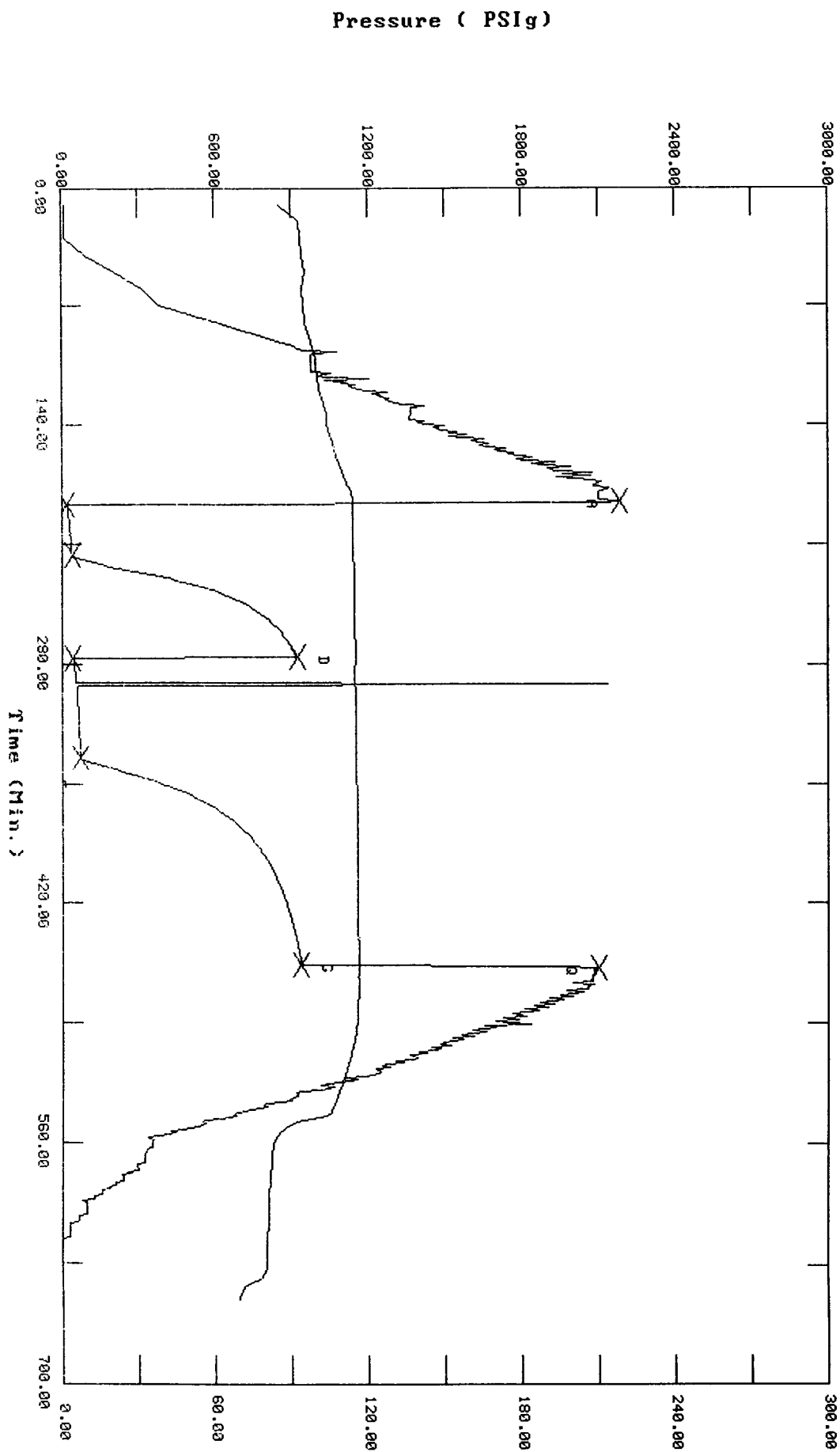
	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	104.00	914.0	842.7	116.01	1.8365	0.835
	105.00	915.6	844.3	116.02	1.8286	0.838
	106.00	917.2	845.8	116.01	1.8208	0.841
	107.00	918.7	847.3	116.02	1.8131	0.844
	108.00	920.2	848.8	116.02	1.8056	0.847
	109.00	921.7	850.4	116.03	1.7982	0.850
	110.00	923.1	851.8	116.03	1.7909	0.852
	111.00	924.6	853.2	116.03	1.7838	0.855
	112.00	926.0	854.6	116.04	1.7768	0.857
	113.00	927.4	856.0	116.04	1.7699	0.860
	114.00	928.7	857.4	116.05	1.7632	0.863
	115.00	930.0	858.7	116.05	1.7565	0.865
	116.00	931.4	860.0	116.05	1.7500	0.867
	117.00	932.7	861.3	116.05	1.7436	0.870
	118.00	934.0	862.6	116.06	1.7373	0.872
	119.00	935.2	863.9	116.06	1.7311	0.875
	120.00	936.5	865.1	116.06	1.7250	0.877
***** End Shut-in 2	121.00	937.7	866.3	116.06	1.7190	0.879
***** Final Hydro.	458.00	2098.3	0.0	116.05		

9838 DST#1 CYR #A-2 Anadarko Pet. Corp.

TEST HISTORY

Flag Points
t(Min.) P(PSIg)

A: 0.00 2185.18
B: 0.00 16.13
C: 29.00 36.85
D: 60.00 920.14
E: 0.00 36.83
F: 58.00 71.36
G: 121.00 937.70
a: 0.00 2098.28



Temperature (DEG F)

TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 9838 Date 5-18-97
Company Name Anadarko Pet Corp
Lease CYR #A-2 Test No. DST #1
County Morton Sec. 30 Twp. 34S Rng. 41W

SAMPLER RECOVERY

Gas 2.9 cubic ft. ML
Oil _____ ML
Mud 2800 ML
Water _____ ML
Other _____ ML
Pressure 650 PSI
Total 4000 ML

PIT MUD ANALYSIS

Chlorides 4100 ppm.
Resistivity _____ ohms @ _____ F
Viscosity 45
Mud Weight 9.1
Filtrate 10.0
Other LCM 4"

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.