

15-081-21007

12-27s-34w

WELL NAME: Government #B-1
OPERATOR: Helmerich & Payne Inc
LOCATION: Sec 12 Rge 27S Twp 34W
Haskell County Kansas
DATE: 03/31/96

TRILOBITE TESTING L.L.C.

OPERATOR : Helmerich & Payne

WELL NAME: Government #B-1

LOCATION : 12-27S-34W Haskell Cty KS

INTERVAL : 5077.00 To 5175.00 ft

DATE 3-31-96

KB 2965.00 ft

GR 2955.00 ft

TD 5175.00 ft

TICKET NO: 9156

DST #1

FORMATION: Lwr Chester Sd

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13339	13339	2350			PF Fr. 0331 to 0401 hr
SI 60 Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 0401 to 0501 hr
SF 60 Clock(hrs)	AK-1	AK-1	Alpin			SF Fr. 0501 to 0601 hr
FS 120 Depth(ft)	5170.0	5170.0	5080.0	0.0	0.0	FS Fr. 0601 to 0801 hr

	Field	1	2	3	4	
A. Init Hydro	2503.0	2404.0	2345.0	0.0	0.0	T STARTED 2335 hr
B. First Flow	114.0	100.0	29.0	0.0	0.0	T ON BOTM 0325 hr
B1. Final Flow	124.0	123.0	96.0	0.0	0.0	T OPEN 0331 hr
C. In Shut-in	1230.0	1211.0	1202.0	0.0	0.0	T PULLED 0801 hr
D. Init Flow	187.0	177.0	114.0	0.0	0.0	T OUT 1200 hr
E. Final Flow	218.0	208.0	181.0	0.0	0.0	
F. Fl Shut-in	1140.0	1131.0	1115.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2443.0	2390.0	2325.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 95000.00 lbs
						Initial Str Wt 90000.00 lbs
						Unseated Str Wt 90000.00 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 670.00 ft
						D.P. Length 4401.00 ft

RECOVERY

Tot Fluid 425.00 ft of 425.00 ft in DC and 0.00 ft in DP
 435.00 ft of Faint Odor of Gas in DP
 295.00 ft of Faint Odor of Gas in DC
 65.00 ft of Oil cut mud - 40% oil, 60% mud
 60.00 ft of Gassy oil cut mud - 40% gas, 30% oil, 30% mud
 120.00 ft of Gassy oil cut mud - 30% gas, 20% oil, 50% mud
 60.00 ft of Gassy oil cut mud - 55% gas, 25% oil, 20% mud
 120.00 ft of Gassy mud cut oil - 20% gas, 60% oil, 20% mud

SALINITY 0.00 P.P.M. A.P.I. Gravity 27.80

BLOW DESCRIPTION

Initial Flow -
 Surface blow slowly built to 9"

Initial Shutin -
 Bled off blow, no return

Final Flow -
 Fair to strong blow off bottom in 6 min

Final Shutin -
 Bled off blow, surface return built to 2"

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	8.90 lb/c
Vis.	49.00 S/L
W.L.	8.00 in3
F.C.	0.00 in
Mud Drop N	

Amt. of fill	0.00 ft
Btm. H. Temp.	124.00 F
Hole Condition	Good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	

Tester	Rod Steinbrink
Co. Rep.	Ken Jehlik
Contr.	Cheyenne Drlg.
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

CALCULATED RECOVERY ANALYSIS -
DST # 1

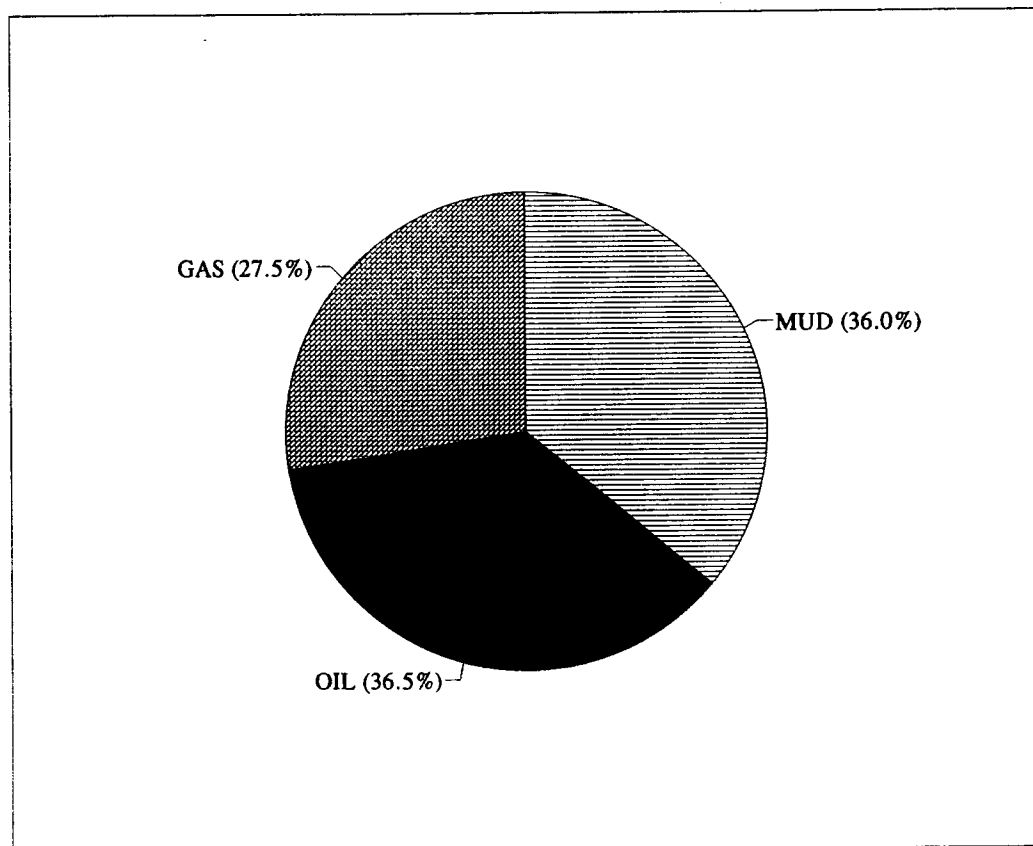
DRILL COLLARS
TICKE 9156

SAMPLE #	TOTAL FEET	GAS		OIL		WAT		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
1	65		0	40	26		0	60	39
2	60	40	24	30	18		0	30	18
3	120	30	36	20	24		0	50	60
4	60	55	33	25	15		0	20	12
5	120	20	24	60	72		0	20	24
TOTAL	425	27.53	117	36.47	155	0.00	0	36	153

BBL OIL= 0.7579
 BBL WATE 0
 BBL MUD= 0.7482
 BBL GAS= 0.5721

*
 *

HRS BBL/DAY
 1.5 12.127
 0



9156 DST #1 Government #B-1 H & P, Inc. TEST HISTORY

Flag Points

t (Min.) P (PSIg)

A: 0.00 2345.10
 B: 0.00 29.11
 C: 32.00 96.09
 D: 57.00 1202.09
 E: 0.00 113.88
 F: 62.00 180.77
 G: 119.00 1115.39
 Q: 0.00 2325.36

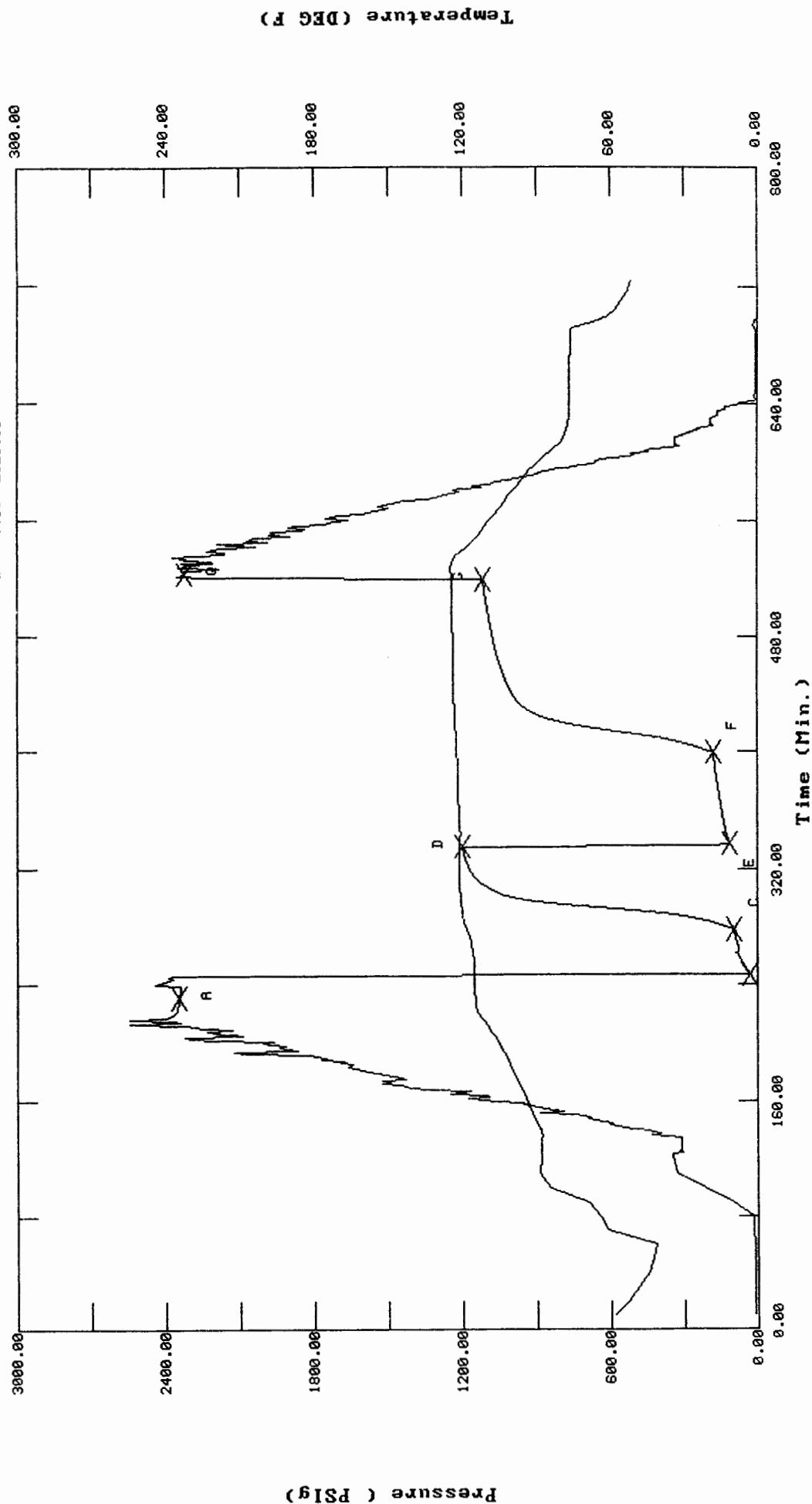
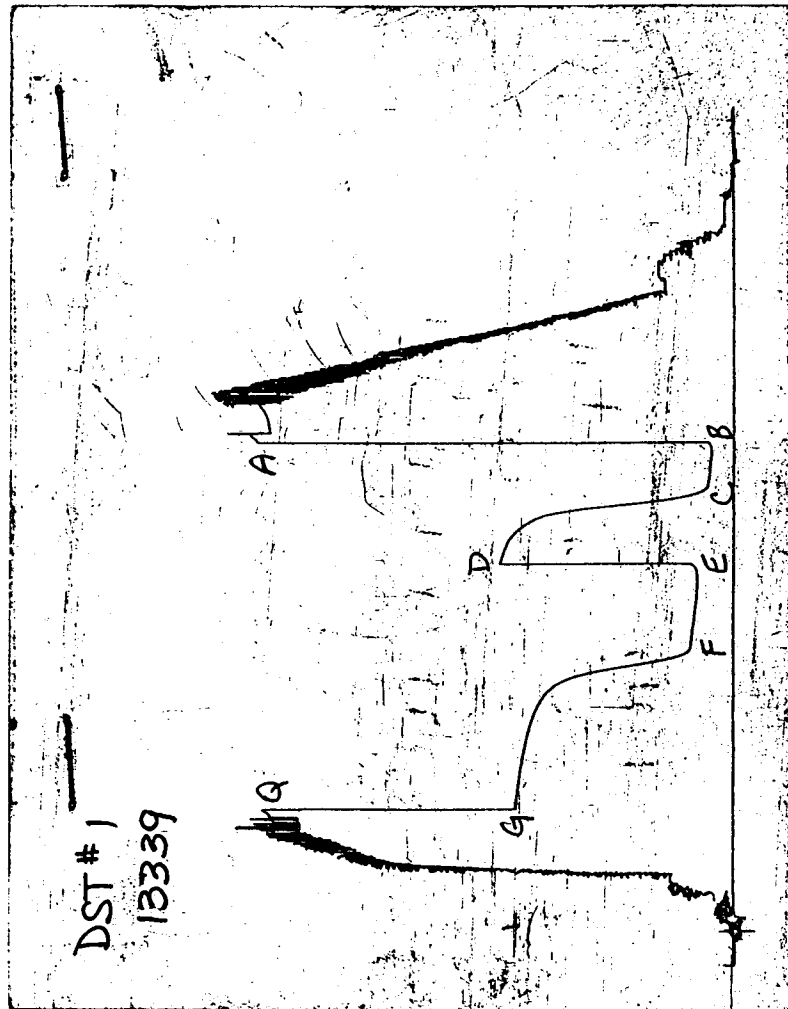


CHART PAGE



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

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: 9156 DST #1 Government #B-1 H & P ,Inc.
 DATE: 03/30/96 TIME: 23:36:50

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	231.00	2345.1	0.0	114.78		
***** Start Flow 1	0.00	29.1	0.0	115.37		
	1.00	35.2	6.1	115.33		
	2.00	40.0	10.9	115.25		
	3.00	43.6	14.5	115.14		
	4.00	47.0	17.9	115.05		
	5.00	53.5	24.4	115.00		
	6.00	56.5	27.4	115.00		
	7.00	58.2	29.0	115.02		
	8.00	62.8	33.7	115.05		
	9.00	66.0	36.8	115.08		
	10.00	66.3	37.2	115.15		
	11.00	69.1	40.0	115.24		
	12.00	69.5	40.4	115.36		
	13.00	73.6	44.5	115.49		
	14.00	74.2	45.1	115.58		
	15.00	85.8	56.7	115.66		
	16.00	75.3	46.2	115.72		
	17.00	75.4	46.3	115.82		
	18.00	77.1	48.0	115.92		
	19.00	77.4	48.3	116.02		
	20.00	78.0	48.9	116.13		
	21.00	79.6	50.5	116.22		
	22.00	81.3	52.2	116.32		
	23.00	83.4	54.3	116.41		
	24.00	84.7	55.6	116.50		
	25.00	86.1	57.0	116.59		
	26.00	88.0	58.9	116.70		
	27.00	88.5	59.4	116.84		
	28.00	90.1	61.0	117.04		
	29.00	91.4	62.3	117.28		
	30.00	92.8	63.7	117.55		
	31.00	94.6	65.5	117.84		
***** End Flow 1	32.00	96.1	67.0	118.10		
***** Start Shutin 1	0.00	96.1	0.0	118.10	0.0000	0.009
	1.00	112.4	16.3	118.35	33.0000	0.013
	2.00	128.4	32.3	118.60	17.0000	0.016
	3.00	145.5	49.4	118.85	11.6667	0.021
	4.00	164.3	68.2	119.07	9.0000	0.027
	5.00	185.2	89.1	119.27	7.4000	0.034
	6.00	208.6	112.5	119.44	6.3333	0.044
	7.00	235.2	139.2	119.58	5.5714	0.055
	8.00	265.5	169.4	119.70	5.0000	0.070
	9.00	300.2	204.1	119.79	4.5556	0.090
	10.00	340.5	244.4	119.89	4.2000	0.116
	11.00	388.2	292.2	119.96	3.9091	0.151
	12.00	445.0	348.9	120.02	3.6667	0.198
	13.00	509.9	413.8	120.07	3.4615	0.260
	14.00	580.9	484.9	120.13	3.2857	0.337
	15.00	653.9	557.8	120.19	3.1333	0.428
	16.00	724.7	628.6	120.30	3.0000	0.525

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9156 DST #1 Government #B-1 H & P ,Inc.

DATE: 03/30/96 TIME: 23:36:50

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	17.00	790.2	694.1	120.32	2.8824	0.624
	18.00	848.5	752.4	120.39	2.7778	0.720
	19.00	898.5	802.4	120.46	2.6842	0.807
	20.00	939.9	843.8	120.53	2.6000	0.883
	21.00	973.4	877.3	120.61	2.5238	0.947
	22.00	1000.6	904.5	120.68	2.4545	1.001
	23.00	1022.7	926.6	120.73	2.3913	1.046
	24.00	1040.9	944.9	120.78	2.3333	1.084
	25.00	1056.3	960.2	120.82	2.2800	1.116
	26.00	1069.3	973.2	120.86	2.2308	1.143
	27.00	1080.4	984.3	120.88	2.1852	1.167
	28.00	1090.1	994.0	120.93	2.1429	1.188
	29.00	1099.3	1003.2	120.95	2.1034	1.208
	30.00	1109.1	1013.0	120.99	2.0667	1.230
	31.00	1118.7	1022.6	121.03	2.0323	1.251
	32.00	1127.1	1031.1	121.04	2.0000	1.270
	33.00	1134.3	1038.2	121.06	1.9697	1.287
	34.00	1140.7	1044.6	121.09	1.9412	1.301
	35.00	1146.1	1050.0	121.11	1.9143	1.314
	36.00	1151.1	1055.0	121.12	1.8889	1.325
	37.00	1155.3	1059.3	121.14	1.8649	1.335
	38.00	1159.5	1063.4	121.16	1.8421	1.344
	39.00	1163.2	1067.1	121.17	1.8205	1.353
	40.00	1166.5	1070.4	121.17	1.8000	1.361
	41.00	1169.5	1073.4	121.19	1.7805	1.368
	42.00	1172.3	1076.2	121.20	1.7619	1.374
	43.00	1175.1	1079.0	121.20	1.7442	1.381
	44.00	1177.5	1081.4	121.21	1.7273	1.387
	45.00	1180.0	1083.9	121.20	1.7111	1.392
	46.00	1182.3	1086.2	121.21	1.6957	1.398
	47.00	1184.5	1088.4	121.22	1.6809	1.403
	48.00	1186.5	1090.4	121.22	1.6667	1.408
	49.00	1188.3	1092.2	121.21	1.6531	1.412
	50.00	1190.3	1094.3	121.21	1.6400	1.417
	51.00	1192.1	1096.0	121.21	1.6275	1.421
	52.00	1193.9	1097.8	121.21	1.6154	1.425
	53.00	1195.5	1099.5	121.21	1.6038	1.429
	54.00	1197.2	1101.1	121.21	1.5926	1.433
	55.00	1198.8	1102.7	121.21	1.5818	1.437
	56.00	1200.6	1104.5	121.21	1.5714	1.441
***** End Shut-in 1	57.00	1202.1	1106.0	121.22	1.5614	1.445
***** Start Flow 2	0.00	113.9	0.0	121.15		
	1.00	113.4	-0.5	121.09		
	2.00	117.1	3.2	121.00		
	3.00	118.2	4.4	120.92		
	4.00	119.7	5.8	120.86		
	5.00	123.0	9.1	120.83		
	6.00	125.2	11.3	120.82		
	7.00	125.8	11.9	120.82		
	8.00	127.5	13.6	120.81		
	9.00	129.3	15.4	120.82		

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9156 DST #1 Government #B-1 H & P ,Inc.

DATE: 03/30/96 TIME: 23:36:50

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
10.00	130.3	16.4	120.83		
11.00	131.2	17.3	120.85		
12.00	132.7	18.8	120.86		
13.00	134.0	20.1	120.89		
14.00	135.2	21.3	120.93		
15.00	136.3	22.4	120.97		
16.00	137.5	23.7	121.00		
17.00	138.6	24.8	121.04		
18.00	139.9	26.0	121.10		
19.00	140.7	26.8	121.14		
20.00	141.2	27.3	121.18		
21.00	142.8	28.9	121.22		
22.00	143.3	29.4	121.27		
23.00	144.3	30.5	121.30		
24.00	145.9	32.0	121.34		
25.00	146.4	32.6	121.37		
26.00	147.7	33.8	121.40		
27.00	148.9	35.0	121.42		
28.00	150.1	36.2	121.45		
29.00	150.6	36.7	121.47		
30.00	151.6	37.7	121.49		
31.00	152.7	38.8	121.52		
32.00	153.7	39.8	121.53		
33.00	154.5	40.6	121.56		
34.00	155.4	41.5	121.58		
35.00	156.0	42.1	121.59		
36.00	157.1	43.2	121.61		
37.00	158.2	44.3	121.63		
38.00	159.2	45.3	121.65		
39.00	160.1	46.2	121.67		
40.00	161.2	47.3	121.69		
41.00	162.1	48.3	121.71		
42.00	163.1	49.2	121.73		
43.00	164.2	50.3	121.75		
44.00	164.8	50.9	121.77		
45.00	166.3	52.4	121.78		
46.00	166.9	53.0	121.80		
47.00	167.9	54.0	121.83		
48.00	169.0	55.1	121.84		
49.00	169.2	55.3	121.86		
50.00	170.5	56.7	121.89		
51.00	171.2	57.3	121.93		
52.00	172.2	58.3	121.93		
53.00	173.0	59.1	121.95		
54.00	173.6	59.7	121.96		
55.00	174.7	60.8	121.98		
56.00	175.4	61.5	122.00		
57.00	176.2	62.3	122.01		
58.00	177.2	63.3	122.04		
59.00	178.2	64.3	122.06		
60.00	179.2	65.3	122.08		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9156 DST #1 Government #B-1 H & P ,Inc.

DATE: 03/30/96 TIME: 23:36:50

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** End Flow 2	61.00	180.1	66.2	122.11		
	62.00	180.8	66.9	122.13		
***** Start Shutin 2	0.00	180.8	0.0	122.13	0.0000	0.033
	1.00	195.5	14.7	122.15	95.0000	0.038
	2.00	213.8	33.0	122.17	48.0000	0.046
	3.00	232.5	51.7	122.20	32.3333	0.054
	4.00	251.9	71.1	122.23	24.5000	0.063
	5.00	272.7	91.9	122.26	19.8000	0.074
	6.00	295.4	114.6	122.28	16.6667	0.087
	7.00	320.3	139.5	122.32	14.4286	0.103
	8.00	347.9	167.1	122.36	12.7500	0.121
	9.00	378.8	198.1	122.39	11.4444	0.144
	10.00	413.3	232.6	122.42	10.4000	0.171
	11.00	450.9	270.1	122.47	9.5455	0.203
	12.00	491.0	310.2	122.51	8.8333	0.241
	13.00	532.8	352.1	122.55	8.2308	0.284
	14.00	575.3	394.5	122.60	7.7143	0.331
	15.00	617.8	437.0	122.64	7.2667	0.382
	16.00	658.7	478.0	122.68	6.8750	0.434
	17.00	697.7	516.9	122.73	6.5294	0.487
	18.00	733.7	552.9	122.76	6.2222	0.538
	19.00	766.6	585.8	122.82	5.9474	0.588
	20.00	796.2	615.4	122.87	5.7000	0.634
	21.00	822.4	641.6	122.91	5.4762	0.676
	22.00	845.6	664.8	122.95	5.2727	0.715
	23.00	866.0	685.2	122.98	5.0870	0.750
	24.00	883.6	702.8	123.00	4.9167	0.781
	25.00	898.9	718.2	123.04	4.7600	0.808
	26.00	912.4	731.6	123.07	4.6154	0.832
	27.00	923.9	743.1	123.11	4.4815	0.854
	28.00	934.1	753.3	123.13	4.3571	0.873
	29.00	943.0	762.2	123.16	4.2414	0.889
	30.00	950.8	770.0	123.18	4.1333	0.904
	31.00	957.9	777.2	123.19	4.0323	0.918
	32.00	964.2	783.5	123.22	3.9375	0.930
	33.00	970.1	789.3	123.23	3.8485	0.941
	34.00	975.3	794.5	123.25	3.7647	0.951
	35.00	980.1	799.3	123.27	3.6857	0.961
	36.00	984.5	803.8	123.28	3.6111	0.969
	37.00	988.7	807.9	123.30	3.5405	0.977
	38.00	992.6	811.8	123.32	3.4737	0.985
	39.00	996.2	815.4	123.33	3.4103	0.992
	40.00	999.7	819.0	123.33	3.3500	0.999
	41.00	1003.0	822.2	123.35	3.2927	1.006
	42.00	1006.0	825.3	123.36	3.2381	1.012
	43.00	1009.1	828.3	123.38	3.1860	1.018
	44.00	1011.8	831.1	123.40	3.1364	1.024
	45.00	1014.8	834.0	123.39	3.0889	1.030
	46.00	1017.4	836.6	123.42	3.0435	1.035
	47.00	1020.0	839.2	123.43	3.0000	1.040
	48.00	1022.3	841.5	123.43	2.9583	1.045

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Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
49.00	1024.8	844.0	123.45	2.9184	1.050
50.00	1027.1	846.3	123.46	2.8800	1.055
51.00	1029.4	848.6	123.46	2.8431	1.060
52.00	1031.5	850.8	123.48	2.8077	1.064
53.00	1033.7	853.0	123.49	2.7736	1.069
54.00	1035.8	855.1	123.50	2.7407	1.073
55.00	1037.8	857.1	123.52	2.7091	1.077
56.00	1039.8	859.0	123.54	2.6786	1.081
57.00	1041.8	861.0	123.54	2.6491	1.085
58.00	1043.6	862.9	123.55	2.6207	1.089
59.00	1045.5	864.7	123.56	2.5932	1.093
60.00	1047.4	866.6	123.57	2.5667	1.097
61.00	1049.3	868.5	123.58	2.5410	1.101
62.00	1050.8	870.0	123.59	2.5161	1.104
63.00	1052.5	871.8	123.61	2.4921	1.108
64.00	1054.2	873.4	123.64	2.4688	1.111
65.00	1055.8	875.0	123.63	2.4462	1.115
66.00	1057.5	876.7	123.64	2.4242	1.118
67.00	1059.0	878.2	123.66	2.4030	1.121
68.00	1060.5	879.7	123.68	2.3824	1.125
69.00	1062.0	881.2	123.68	2.3623	1.128
70.00	1063.4	882.7	123.69	2.3429	1.131
71.00	1064.9	884.1	123.68	2.3239	1.134
72.00	1066.4	885.6	123.71	2.3056	1.137
73.00	1067.8	887.0	123.72	2.2877	1.140
74.00	1069.1	888.4	123.73	2.2703	1.143
75.00	1070.5	889.7	123.74	2.2533	1.146
76.00	1071.8	891.1	123.75	2.2368	1.149
77.00	1073.1	892.3	123.76	2.2208	1.152
78.00	1074.4	893.6	123.78	2.2051	1.154
79.00	1075.8	895.0	123.80	2.1899	1.157
80.00	1077.0	896.2	123.79	2.1750	1.160
81.00	1078.3	897.5	123.81	2.1605	1.163
82.00	1079.6	898.8	123.82	2.1463	1.165
83.00	1080.6	899.9	123.84	2.1325	1.168
84.00	1081.9	901.1	123.84	2.1190	1.171
85.00	1083.1	902.3	123.85	2.1059	1.173
86.00	1084.2	903.4	123.86	2.0930	1.175
87.00	1085.3	904.6	123.88	2.0805	1.178
88.00	1086.4	905.7	123.98	2.0682	1.180
89.00	1087.6	906.8	123.88	2.0562	1.183
90.00	1088.6	907.8	123.91	2.0444	1.185
91.00	1089.6	908.9	123.92	2.0330	1.187
92.00	1090.7	909.9	123.93	2.0217	1.190
93.00	1091.8	911.0	123.93	2.0108	1.192
94.00	1092.8	912.0	123.92	2.0000	1.194
95.00	1093.9	913.1	123.95	1.9895	1.197
96.00	1095.0	914.2	123.96	1.9792	1.199
97.00	1095.9	915.1	123.97	1.9691	1.201
98.00	1096.9	916.2	123.98	1.9592	1.203
99.00	1097.9	917.2	124.00	1.9495	1.205

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9156 DST #1 Government #B-1 H & P ,Inc.

DATE: 03/30/96 TIME: 23:36:50

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	100.00	1099.0	918.3	124.00	1.9400	1.208
	101.00	1099.8	919.0	124.01	1.9307	1.210
	102.00	1100.8	920.0	124.02	1.9216	1.212
	103.00	1101.7	920.9	124.02	1.9126	1.214
	104.00	1102.6	921.8	124.04	1.9038	1.216
	105.00	1103.6	922.9	124.04	1.8952	1.218
	106.00	1104.5	923.7	124.06	1.8868	1.220
	107.00	1105.3	924.5	124.07	1.8785	1.222
	108.00	1106.2	925.5	124.07	1.8704	1.224
	109.00	1107.2	926.4	124.08	1.8624	1.226
	110.00	1108.0	927.2	124.08	1.8545	1.228
	111.00	1108.8	928.1	124.10	1.8468	1.230
	112.00	1109.7	928.9	124.09	1.8393	1.231
	113.00	1110.6	929.8	124.11	1.8319	1.233
	114.00	1111.4	930.6	124.12	1.8246	1.235
	115.00	1112.4	931.6	124.12	1.8174	1.237
	116.00	1113.0	932.2	124.12	1.8103	1.239
	117.00	1113.9	933.1	124.13	1.8034	1.241
	118.00	1114.7	933.9	124.14	1.7966	1.243
***** End Shut-in 2	119.00	1115.4	934.6	124.15	1.7899	1.244
***** Final Hydro.	523.00	2325.4	0.0	124.42		

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Government #B-1

LOCATION : 12-27S-34W Haskell Cty KS

TICKET No. 9156 D.S.T. No. 1 DATE 3-31-96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 30

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 35

TOTAL TOOL 65

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands 1 Single Total 63

TOTAL ASSEMBLY 128

D.C. ABOVE TOOLS.Stands11 Single Total 670

D.P. ABOVE TOOLS.Stands70 Single 1 Total 4401

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5199

TOTAL DEPTH 5175

TOTAL DRILL PIPE ABOVE K.B. 24

REMARKS:

FLUID SAMPLER DATA

SAMPLER RECOVERY -

Gas 300 ml, Oil 2500 ml, Mud 1200 ml,
Pressure 500 PSI, Total 4000 ml

SAMPLER ANALYSIS -

Gravity 27.8 corrected at 60 F

PIT MUD ANALYSIS -

Chlorides 2100 ppm, Vis 49, Mud Wt 8.9,
Filtrate 8.0, LCM 2#/bbl

P.O. SUB 1' ABOVE 120' DC	4927
C.O. SUB 1'	5047
S.I. TOOL 5'	5053
Sampler 3'	5056
HMV 5'	5061
JARS 5'	5066
SAFETY JOINT 2'	5068
PACKER 5'	5072
PACKER 5'	5077
DEPTH 5077	
STUBB 1'	5078
ANCHOR	
Alpine Rec.	5080
27' Perf.	5105
1' CO	5106
63' Drill pipe	5169
T.C.	
DEPTH	
1' CO	5170
AK-1 recorder	5170
BULLNOSE 5'	
T.D.	5175

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Nº 9156

Well Name & No.	Government #B-1	Test No.	1	Date	3-31-96
Company	Helmrich & Paype, Inc.	Zone Tested	Lower Chester Sand		
Address	P.O. Box 558 Garden City, KS. 67846	Elevation	2965	KB	2955 GL
Co. Rep / Geo.	Ken Jehlik / Brad Rhine	Cont.	Cheyenne #1	Est. Ft. of Pay	Por. %
Location: Sec.	12	Twp.	27 ^S	Rge.	34 ^W
		Co.	Haskell	State	KS.
No. of Copies	Distribution Sheet (Y, N)	Turnkey (Y, N)	Evaluation (Y, N)		

Interval Tested	5077 - 5175	Initial Str Wt./Lbs.	90,000	Unseated Str Wt./Lbs.	90,000
Anchor Length	98'	Wt. Set Lbs.	30,000	Wt. Pulled Loose/Lbs.	95,000
Top Packer Depth	5072	Hole Size — 7 7/8"	Rubber Size — 6 3/4"		
Bottom Packer Depth	5077	Wt. Pipe I.D. — 2.7 Ft. Run	—		
Total Depth	5175	Drill Collar — 2.25 Ft. Run	4 1/2" XH	670'	
Mud Wt.	8.9	LCM	2#	Vis.	49
	WL	8.0	Drill Pipe Size	4 1/2" XH	Ft. Run 4401'
Blow Description	IF: Surface blow slowly built to 9"				
	ISI: Bled off blow - no return.				
	FF: Fair to strong blow off btm in 6 mins.				
	FSI: Bled off blow - surface return built to 2"				

Recovery — Total Feet	365'	Ft. in DC	365'	Ft. in WP	—	Ft. in DP	—
Rec.	435'	Feet Of	Faint odor gas in DP	%gas	%oil	%water	%mud
Rec.	295'	Feet Of	Faint odor gas in DC	%gas	%oil	%water	%mud
Rec.	60' 65'	Feet Of	DCM	40 %gas	30 %oil	%water	60 %mud
Rec.	120' 60'	Feet Of	GOCM	30 %gas	20 %oil	%water	50 %mud
Rec.	120'	Feet Of	GMCO	20 %gas	60 %oil	%water	20 %mud
BHT	124°	°F Gravity	28.6	°API D@	68°	°F Corrected Gravity	27.8
RW	@	°F Chlorides	ppm Recovery	Chlorides	2,100	ppm System	
(A) Initial Hydrostatic Mud	2375	PSI	Recorder No.	2350	T-Started	2335	
(B) First Initial Flow Pressure	29	PSI	@ (depth)	5080	T-Open	0331	
(C) First Final Flow Pressure	96	PSI	Recorder No.	13339	T-Pulled	0801	
(D) Initial Shut-in Pressure	1202	PSI	@ (depth)	5170	T-Out	1200	
(E) Second Initial Flow Pressure	195	PSI	Recorder No.	—			
(F) Second Final Flow Pressure	180	PSI	@ (depth)	—			
(G) Final Shut-in Pressure	1115	PSI	Initial Opening	30	Test	700	
(H) Final Hydrostatic Mud	2236	PSI	Initial Shut-in	60	Jars	X 200	
			Final Flow	60	Safety Joint	X 50	
			Final Shut-in	120	Straddle		

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 Brad Rhine

Our Representative Rod Steinbrink

Extra Packer _____
Elect. Rec. X 150
Other _____
TOTAL PRICE \$ 1300

D

TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 9156 Date 3-31-96
Company Name Helmrich & Payne Cont. Cheyenne #1
Lease Government #B-1 Test No. 1 lwr Chester Sand
County Haskell KS. Sec. 12 Twp. 27^s Rng. 34^w

SAMPLER RECOVERY

Gas 300 ML
Oil 2,500 ML
Mud 1,200 ML
Water _____ ML
Other _____ ML
Pressure 500[#] PSI
Total 4,000 ML

PIT MUD ANALYSIS

Chlorides 2,100 ppm.
Resistivity _____ ohms @ _____ F
Viscosity 49
Mud Weight 8.9
Filtrate 8.0
Other LCM 2[#]/bbl

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
Gravity 27.8 corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

MIDDLE
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

BOTTOM
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

Well name Government

DST # 1

Recorder # 13339

1				
2	A		2482	2404
3	B		100	
4	C		123	
5	D		1211	
6	E		177	
7	F		208	
8	G		1131	
9	H		2853	2390
0				
1				
2				