

WELL NAME:

Hill B-2

COMPANY:

Anadarko Petroleum Company

LOCATION:

17-34S-41W

Morton County Kansas

DATE:

06/17/97

TRILOBITE TESTING L.L.C.

OPERATOR : Anadarko Pet. Co.

DATE 6-12-97

WELL NAME: Hill B-2

KB 3468.00 ft

TICKET NO: 9137

DST #1

LOCATION : 17-34s-41w

GR 3455.00 ft

FORMATION: Cherokee Sands

INTERVAL : 4392.00 To 4460.00 ft

TD 4460.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10333	10333	3024			PF Fr. 1327 to 1357 hr
SI 60 Range (Psi)	4075.0	4075.0	4995.0	0.0	0.0	IS Fr. 1357 to 1457 hr
SF 60 Clock (hrs)	12hr.	12hr.	Elec			SF Fr. 1457 to 1557 hr
FS 120 Depth (ft)	4455.0	4455.0	4436.0	0.0	0.0	FS Fr. 1557 to 1757 hr

	Field	1	2	3	4	
1. Init Hydro	2244.0	2279.0	2215.0	0.0	0.0	T STARTED 1140 hr
2. First Flow	61.0	91.0	44.0	0.0	0.0	T ON BOTM 1325 hr
3. Final Flow	81.0	106.0	75.0	0.0	0.0	T OPEN 1327 hr
4. In Shut-in	843.0	856.0	841.0	0.0	0.0	T PULLED 1757 hr
5. Init Flow	71.0	103.0	54.0	0.0	0.0	T OUT 2330 hr
6. Final Flow	101.0	117.0	83.0	0.0	0.0	
7. Fl Shut-in	996.0	1004.0	981.0	0.0	0.0	TOOL DATA-----
8. Final Hydro	2194.0	2267.0	2128.0	0.0	0.0	Tool Wt. 10000.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 100000.00 lbs
						Initial Str Wt 84000.00 lbs
						Unseated Str Wt 86000.00 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 698.00 ft
						D.P. Length 3691.00 ft

RECOVERY

Pot Fluid 195.00 ft of 195.00 ft in DC and 0.00 ft in DP
 195.00 ft of Slightly Gassy Mud
 0.00 ft of 10%gas 90%mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

SALINITY 1400.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:

Strong blow bottom of bucket in 1 min

Initial Shut In:

Weak blow back to surface

Final Flow:

Strong blow, bottom of bucket with
 immediate gas to surface, Gas
 will burn

SAMPLES: yes

SENT TO: Caraway Liberal

Test Successful: Y

MUD DATA-----

Mud Type	Chemical
Weight	8.90 lb/cf
Vis.	49.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop Y	45.0 ft

Amt. of fill	1.50 ft
Btm. H. Temp.	115.00 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	Larry Small Jr.
Co. Rep.	ED Grieves
Contr.	Cheyne Drlg.
Rig #	7
Unit #	
Pump T.	

*** TOOL DIAGRAM *** CONV

WELL NAME: Hill B-2

LOCATION : 17-34s-41w

TICKET No. 9137 D.S.T. No. 1 DATE 6-12-97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 31

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 40

TOTAL TOOL 71

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single 1 Total 28

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 99

D.C. ABOVE TOOLS.Stands11 Single 1 Total 698

D.P. ABOVE TOOLS.Stands59 Single 1 Total 3691

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4478

TOTAL DEPTH 4460

TOTAL DRILL PIPE ABOVE K.B. 18

REMARKS:

Gas 3100 ml

Mud 900 ml

50 pressure

Total volume 4000 ml

.32 CFG

P.O. SUB Top Of Tool	4364
C.O. SUB 1'	4365
S.I. TOOL H&T	4366
Sampler	4371
HMV Sterling	4374
JARS Sterling	4379
SAFETY JOINT Bowen	4384
PACKER Top	4387
PACKER Bottom	4392
DEPTH 4392	
STUBB 1'	4393
ANCHOR 5'	4398
3'	4401
1' C/O	4402
28' Drill Collar	4430
1' C/O	4431
Alpine Rec. @ 4431	
5' Pickup Sub	4436
T.C.	
DEPTH	
4' Perf.	4440
5' Perf.	4445
5' Perf.	4450
5' Perf.	4455
AK-1 Rec. 4455	
BULLNOSE	
T.D. 5'	4460

GAS RECOVERY

COMPANY: Anadarko Pet. Co.

DATE: 6-12-97

WELL NAME: Hill B-2

KB Elev: 3468.00 ft TICKET #9137 DST #1

WELL LOCATION: 17-34s-41w

GR Elev: 3455.00 ft FORMATION: Cherokee Sands

INTERVAL Fr.: 4392.00 To 4460.00 T.D.: 4460.00 ft TEST TYPE: CONV

GAS RECOVERY MEASURED WITH 2 In. Merla

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.50	0	42	40700.0
15	0.50	0	50	44300.0
25	0.50	0	58	47800.0
35	0.75	0	26	72400.0
45	0.75	0	20	63500.0
55	0.75	0	24	69500.0

From: Robert Caraway Caraway Analytical, INC. Fax: 316-626-7108
To: Simpson, Paul Trilobite Testing, L. L. C. Fax: 1 913 625 5620

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Caraway Analytical, Inc.
728 N. Roosevelt
P. O. Box 2137
Liberal, Kansas 67905
rcaraway@bigfoot.com

Phone 316-624-5389
Fax 316-626-7108
Cellular 316-621-3290

Fractional Analysis

Components		Mol %	GPM
Carbon Dioxide	CO2	0.1220	
Nitrogen	N2	10.3770	
Methane	C1	75.1086	12.6233
Ethane	C2	6.3222	1.6870
Propane	C3	5.0049	1.3759
Iso Butane	iC4	0.4478	0.1462
Normal Butane	nC4	1.3708	0.4312
Iso Pentane	iC5	0.2663	0.0973
Normal Pentane	nC5	0.2996	0.1083
Hexanes Plus	C6+	0.3883	0.1668
Helium	He	0.2925	
Totals		100.0000	16.6360

Date Run 06/13/97
Lab Number 971645
Company APC
Producer APC
Lease Hill B-2 DST 1
Station
Pressure
Temperature
Cylinder No.
Analysis by Robert Caraway
Sampled by Trilobite Testing
Sample Date
Received 06/13/97
Location 17-34S-41W
H2S

Gasoline Content @ 14.65 psia & 60 F

Propane & Heavier	2.3257
Butane & Heavier	0.9498
Pentane & Heavier	0.3724

Remarks

Morton Co., Kansas
Cherokee Sand

BTU @ 14.65 psia & 60 F (Real)

Dry	1097.6
Saturated	1078.5
Z-Factor	0.9972

Results to
Anadarko Petroleum Corp.
Liberal, Kansas
Att: Dale Fiorini/Pat Rich

Specific Gravity	0.7124
Octane Rating	111.2

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9137 DST#1 Hill B-2 Anardarko Pet.Co.

DATE: 06/12/97

TIME: 10:29:12

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	115.75	2215.7	0.0	112.08		
***** Start Flow 1	0.00	44.9	0.0	112.25		
	0.25	45.0	0.1	112.26		
	0.50	44.8	-0.1	112.27		
	0.75	45.6	0.7	112.28		
	1.00	47.5	2.6	112.30		
	1.25	47.0	2.1	112.31		
	1.50	48.0	3.1	112.33		
	1.75	48.7	3.7	112.34		
	2.00	48.1	3.2	112.36		
	2.25	50.2	5.3	112.37		
	2.50	49.7	4.8	112.39		
	2.75	49.2	4.3	112.39		
	3.00	50.1	5.1	112.40		
	3.25	50.8	5.9	112.41		
	3.50	53.2	8.3	112.42		
	3.75	54.9	10.0	112.44		
	4.00	53.6	8.7	112.44		
	4.25	53.3	8.4	112.45		
	4.50	53.7	8.8	112.46		
	4.75	55.5	10.6	112.47		
	5.00	54.1	9.2	112.47		
	5.25	55.0	10.1	112.47		
	5.50	55.0	10.1	112.48		
	5.75	55.9	11.0	112.50		
	6.00	56.6	11.7	112.49		
	6.25	57.5	12.6	112.49		
	6.50	55.8	10.9	112.50		
	6.75	58.0	13.1	112.50		
	7.00	59.0	14.1	112.51		
	7.25	60.2	15.3	112.53		
	7.50	57.8	12.9	112.51		
	7.75	64.0	19.0	112.52		
	8.00	59.2	14.3	112.53		
	8.25	60.2	15.3	112.53		
	8.50	60.1	15.2	112.54		
	8.75	61.5	16.6	112.54		
	9.00	61.2	16.3	112.54		
	9.25	58.6	13.7	112.55		
	9.50	58.1	13.2	112.55		
	9.75	59.5	14.6	112.55		
	10.00	62.2	17.3	112.55		
	10.25	62.1	17.2	112.56		
	10.50	62.0	17.1	112.56		
	10.75	60.8	15.9	112.56		
	11.00	63.4	18.5	112.57		
	11.25	66.4	21.5	112.57		
	11.50	61.8	16.9	112.58		
	11.75	63.1	18.2	112.58		
	12.00	65.2	20.3	112.59		
	12.25	63.4	18.5	112.59		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9137 DST#1 Hill B-2 Anardarko Pet.Co.

DATE: 06/12/97

TIME: 10:29:12

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
12.50	65.0	20.0	112.60		
12.75	67.3	22.4	112.60		
13.00	63.4	18.5	112.60		
13.25	62.9	18.0	112.61		
13.50	63.3	18.4	112.63		
13.75	65.8	20.9	112.63		
14.00	65.3	20.4	112.64		
14.25	70.5	25.6	112.65		
14.50	69.0	24.1	112.65		
14.75	75.4	30.5	112.66		
15.00	78.1	33.2	112.66		
15.25	62.1	17.2	112.68		
15.50	59.8	14.9	112.70		
15.75	64.3	19.4	112.72		
16.00	62.2	17.3	112.74		
16.25	65.4	20.5	112.78		
16.50	68.7	23.8	112.79		
16.75	66.4	21.5	112.83		
17.00	66.5	21.6	112.85		
17.25	72.4	27.5	112.88		
17.50	67.2	22.3	112.91		
17.75	68.3	23.4	112.94		
18.00	72.5	27.6	112.96		
18.25	72.2	27.3	112.98		
18.50	71.4	26.5	113.00		
18.75	73.9	29.0	113.02		
19.00	72.2	27.3	113.05		
19.25	71.9	27.0	113.05		
19.50	76.3	31.4	113.07		
19.75	76.4	31.5	113.09		
20.00	76.0	31.1	113.10		
20.25	76.6	31.7	113.12		
20.50	74.2	29.3	113.13		
20.75	72.4	27.5	113.15		
21.00	77.8	32.9	113.16		
21.25	77.3	32.4	113.17		
21.50	73.2	28.3	113.18		
21.75	74.2	29.3	113.19		
22.00	74.7	29.8	113.21		
22.25	76.8	31.9	113.22		
22.50	82.5	37.6	113.21		
22.75	77.2	32.3	113.22		
23.00	76.1	31.2	113.25		
23.25	83.3	38.4	113.25		
23.50	85.8	40.9	113.25		
23.75	87.4	42.5	113.26		
24.00	81.5	36.6	113.26		
24.25	82.4	37.5	113.27		
24.50	79.8	34.9	113.28		
24.75	81.0	36.1	113.29		
25.00	78.7	33.8	113.30		

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9137 DST#1 Hill B-2 Anardarko Pet.Co.

DATE: 06/12/97

TIME: 10:29:12

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	25.25	74.8	29.9	113.30		
	25.50	74.3	29.4	113.30		
	25.75	79.0	34.1	113.31		
	26.00	74.7	29.8	113.31		
	26.25	76.8	31.9	113.32		
	26.50	75.1	30.2	113.33		
	26.75	82.3	37.4	113.33		
	27.00	81.4	36.5	113.32		
	27.25	76.8	31.9	113.34		
	27.50	75.1	30.2	113.34		
	27.75	76.3	31.4	113.34		
***** End Flow 1	28.00	75.9	31.0	113.36		
***** Start Shutin 1	0.00	75.9	0.0	113.36	0.0000	0.006
	0.25	81.8	5.9	113.35	113.0000	0.007
	0.50	118.5	42.6	113.36	57.0000	0.014
	0.75	155.4	79.5	113.36	38.3333	0.024
	1.00	190.5	114.6	113.36	29.0000	0.036
	1.25	223.2	147.3	113.36	23.4000	0.050
	1.50	254.6	178.7	113.37	19.6667	0.065
	1.75	284.6	208.7	113.37	17.0000	0.081
	2.00	312.9	237.0	113.38	15.0000	0.098
	2.25	339.6	263.7	113.38	13.4444	0.115
	2.50	364.9	289.0	113.40	12.2000	0.133
	2.75	388.9	313.0	113.41	11.1818	0.151
	3.00	411.5	335.6	113.41	10.3333	0.169
	3.25	433.0	357.1	113.42	9.6154	0.187
	3.50	453.2	377.3	113.43	9.0000	0.205
	3.75	472.5	396.6	113.43	8.4667	0.223
	4.00	490.7	414.7	113.43	8.0000	0.241
	4.25	508.0	432.1	113.46	7.5882	0.258
	4.50	524.5	448.6	113.46	7.2222	0.275
	4.75	540.1	464.2	113.46	6.8947	0.292
	5.00	554.8	478.9	113.47	6.6000	0.308
	5.25	568.9	493.0	113.49	6.3333	0.324
	5.50	582.5	506.6	113.48	6.0909	0.339
	5.75	595.2	519.3	113.50	5.8696	0.354
	6.00	607.5	531.6	113.50	5.6667	0.369
	6.25	618.9	543.0	113.51	5.4800	0.383
	6.50	629.5	553.6	113.51	5.3077	0.396
	6.75	639.4	563.5	113.52	5.1481	0.409
	7.00	649.2	573.3	113.53	5.0000	0.421
	7.25	657.9	582.0	113.54	4.8621	0.433
	7.50	666.3	590.4	113.55	4.7333	0.444
	7.75	674.3	598.4	113.55	4.6129	0.455
	8.00	681.6	605.7	113.56	4.5000	0.465
	8.25	688.6	612.7	113.56	4.3939	0.474
	8.50	694.8	618.9	113.57	4.2941	0.483
	8.75	701.3	625.4	113.58	4.2000	0.492
	9.00	706.9	631.0	113.58	4.1111	0.500
	9.25	712.1	636.2	113.58	4.0270	0.507
	9.50	716.7	640.8	113.59	3.9474	0.514

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9137 DST#1 Hill B-2 Anardarko Pet.Co.

DATE: 06/12/97

TIME: 10:29:12

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
9.75	721.7	645.8	113.60	3.8718	0.521
10.00	725.7	649.7	113.60	3.8000	0.527
10.25	729.9	654.0	113.60	3.7317	0.533
10.50	733.4	657.5	113.61	3.6667	0.538
10.75	737.0	661.1	113.61	3.6047	0.543
11.00	740.4	664.5	113.63	3.5455	0.548
11.25	743.9	668.0	113.63	3.4889	0.553
11.50	746.6	670.7	113.62	3.4348	0.557
11.75	749.2	673.3	113.64	3.3830	0.561
12.00	752.1	676.2	113.63	3.3333	0.566
12.25	754.3	678.4	113.64	3.2857	0.569
12.50	756.8	680.9	113.64	3.2400	0.573
12.75	759.0	683.1	113.65	3.1961	0.576
13.00	761.2	685.3	113.65	3.1538	0.579
13.25	763.2	687.3	113.65	3.1132	0.583
13.50	765.1	689.2	113.66	3.0741	0.585
13.75	766.9	691.0	113.67	3.0364	0.588
14.00	768.7	692.8	113.66	3.0000	0.591
14.25	770.6	694.6	113.67	2.9649	0.594
14.50	772.3	696.4	113.67	2.9310	0.596
14.75	773.4	697.5	113.67	2.8983	0.598
15.00	775.1	699.2	113.68	2.8667	0.601
15.25	776.4	700.5	113.69	2.8361	0.603
15.50	778.1	702.2	113.68	2.8065	0.605
15.75	779.5	703.6	113.68	2.7778	0.608
16.00	780.9	705.0	113.69	2.7500	0.610
16.25	782.3	706.4	113.69	2.7231	0.612
16.50	783.7	707.8	113.70	2.6970	0.614
16.75	784.7	708.8	113.69	2.6716	0.616
17.00	785.7	709.8	113.70	2.6471	0.617
17.25	787.1	711.2	113.70	2.6232	0.620
17.50	788.2	712.3	113.71	2.6000	0.621
17.75	789.1	713.1	113.71	2.5775	0.623
18.00	790.1	714.2	113.70	2.5556	0.624
18.25	791.0	715.1	113.71	2.5342	0.626
18.50	792.1	716.2	113.72	2.5135	0.627
18.75	793.0	717.1	113.71	2.4933	0.629
19.00	793.5	717.6	113.71	2.4737	0.630
19.25	794.5	718.6	113.72	2.4545	0.631
19.50	795.1	719.2	113.72	2.4359	0.632
19.75	795.7	719.8	113.72	2.4177	0.633
20.00	796.4	720.5	113.72	2.4000	0.634
20.25	797.1	721.2	113.72	2.3827	0.635
20.50	797.8	721.9	113.72	2.3659	0.637
20.75	798.2	722.3	113.73	2.3494	0.637
21.00	798.9	723.0	113.73	2.3333	0.638
21.25	799.4	723.4	113.73	2.3176	0.639
21.50	799.8	723.9	113.74	2.3023	0.640
21.75	800.4	724.5	113.74	2.2874	0.641
22.00	800.9	725.0	113.74	2.2727	0.641
22.25	801.3	725.4	113.74	2.2584	0.642

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9137 DST#1 Hill B-2 Anardarko Pet.Co.

DATE: 06/12/97

TIME: 10:29:12

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
22.50	801.8	725.8	113.73	2.2444	0.643
22.75	802.2	726.3	113.75	2.2308	0.644
23.00	802.8	726.9	113.75	2.2174	0.644
23.25	803.2	727.2	113.76	2.2043	0.645
23.50	803.5	727.5	113.75	2.1915	0.646
23.75	803.9	727.9	113.75	2.1789	0.646
24.00	804.3	728.4	113.76	2.1667	0.647
24.25	804.6	728.7	113.75	2.1546	0.647
24.50	805.0	729.1	113.76	2.1429	0.648
24.75	805.3	729.4	113.77	2.1313	0.649
25.00	805.7	729.8	113.77	2.1200	0.649
25.25	805.9	730.0	113.77	2.1089	0.650
25.50	806.3	730.4	113.77	2.0980	0.650
25.75	806.6	730.7	113.76	2.0874	0.651
26.00	806.9	731.0	113.78	2.0769	0.651
26.25	807.1	731.2	113.77	2.0667	0.651
26.50	807.4	731.5	113.77	2.0566	0.652
26.75	807.7	731.8	113.78	2.0467	0.652
27.00	808.0	732.1	113.78	2.0370	0.653
27.25	808.3	732.4	113.79	2.0275	0.653
27.50	808.5	732.6	113.79	2.0182	0.654
27.75	808.8	732.9	113.78	2.0090	0.654
28.00	809.1	733.2	113.78	2.0000	0.655
28.25	809.3	733.4	113.79	1.9912	0.655
28.50	809.5	733.6	113.80	1.9825	0.655
28.75	809.8	733.9	113.80	1.9739	0.656
29.00	810.0	734.1	113.80	1.9655	0.656
29.25	810.2	734.3	113.80	1.9573	0.656
29.50	810.5	734.6	113.81	1.9492	0.657
29.75	810.7	734.8	113.80	1.9412	0.657
30.00	810.9	735.0	113.81	1.9333	0.658
30.25	811.2	735.3	113.81	1.9256	0.658
30.50	811.4	735.5	113.81	1.9180	0.658
30.75	811.6	735.7	113.81	1.9106	0.659
31.00	811.8	735.9	113.82	1.9032	0.659
31.25	812.0	736.1	113.83	1.8960	0.659
31.50	812.2	736.3	113.83	1.8889	0.660
31.75	812.4	736.5	113.82	1.8819	0.660
32.00	812.6	736.7	113.83	1.8750	0.660
32.25	812.8	736.9	113.83	1.8682	0.661
32.50	813.0	737.1	113.83	1.8615	0.661
32.75	813.2	737.3	113.82	1.8550	0.661
33.00	813.4	737.5	113.84	1.8485	0.662
33.25	813.6	737.7	113.84	1.8421	0.662
33.50	813.8	737.9	113.84	1.8358	0.662
33.75	814.0	738.1	113.85	1.8296	0.663
34.00	814.2	738.3	113.85	1.8235	0.663
34.25	814.4	738.4	113.85	1.8175	0.663
34.50	814.6	738.7	113.85	1.8116	0.664
34.75	814.7	738.8	113.85	1.8058	0.664
35.00	814.9	739.0	113.85	1.8000	0.664

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9137 DST#1 Hill B-2 Anardarko Pet.Co.

DATE: 06/12/97

TIME: 10:29:12

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
35.25	815.1	739.2	113.85	1.7943	0.664
35.50	815.3	739.4	113.87	1.7887	0.665
35.75	815.5	739.6	113.85	1.7832	0.665
36.00	815.7	739.8	113.86	1.7778	0.665
36.25	815.9	740.0	113.86	1.7724	0.666
36.50	816.1	740.2	113.86	1.7671	0.666
36.75	816.3	740.3	113.87	1.7619	0.666
37.00	816.5	740.5	113.87	1.7568	0.667
37.25	816.6	740.7	113.88	1.7517	0.667
37.50	816.8	740.9	113.87	1.7467	0.667
37.75	817.0	741.1	113.87	1.7417	0.668
38.00	817.2	741.3	113.87	1.7368	0.668
38.25	817.4	741.5	113.88	1.7320	0.668
38.50	817.6	741.7	113.88	1.7273	0.668
38.75	817.8	741.8	113.88	1.7226	0.669
39.00	818.0	742.0	113.89	1.7179	0.669
39.25	818.1	742.2	113.88	1.7134	0.669
39.50	818.3	742.4	113.89	1.7089	0.670
39.75	818.5	742.6	113.90	1.7044	0.670
40.00	818.7	742.8	113.90	1.7000	0.670
40.25	818.9	743.0	113.90	1.6957	0.671
40.50	819.1	743.2	113.91	1.6914	0.671
40.75	819.2	743.3	113.90	1.6871	0.671
41.00	819.4	743.5	113.91	1.6829	0.671
41.25	819.6	743.7	113.90	1.6788	0.672
41.50	819.8	743.9	113.91	1.6747	0.672
41.75	820.0	744.1	113.91	1.6707	0.672
42.00	820.2	744.3	113.92	1.6667	0.673
42.25	820.4	744.5	113.91	1.6627	0.673
42.50	820.7	744.8	113.92	1.6588	0.673
42.75	820.9	745.0	113.93	1.6550	0.674
43.00	821.1	745.2	113.93	1.6512	0.674
43.25	821.4	745.5	113.93	1.6474	0.675
43.50	821.6	745.7	113.94	1.6437	0.675
43.75	821.9	746.0	113.93	1.6400	0.676
44.00	822.2	746.3	113.93	1.6364	0.676
44.25	822.5	746.6	113.94	1.6328	0.676
44.50	822.8	746.9	113.93	1.6292	0.677
44.75	823.0	747.1	113.94	1.6257	0.677
45.00	823.3	747.4	113.95	1.6222	0.678
45.25	823.6	747.7	113.95	1.6188	0.678
45.50	823.9	748.0	113.95	1.6154	0.679
45.75	824.1	748.2	113.95	1.6120	0.679
46.00	824.4	748.5	113.95	1.6087	0.680
46.25	824.7	748.8	113.96	1.6054	0.680
46.50	825.0	749.1	113.96	1.6022	0.681
46.75	825.2	749.3	113.96	1.5989	0.681
47.00	825.5	749.6	113.96	1.5957	0.681
47.25	825.8	749.9	113.97	1.5926	0.682
47.50	826.1	750.2	113.97	1.5895	0.682
47.75	826.4	750.5	113.97	1.5864	0.683

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9137 DST#1 Hill B-2 Anardarko Pet.Co.

DATE: 06/12/97

TIME: 10:29:12

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	48.00	826.7	750.8	113.98	1.5833	0.683
	48.25	826.9	751.0	113.98	1.5803	0.684
	48.50	827.2	751.3	113.98	1.5773	0.684
	48.75	827.5	751.6	113.97	1.5744	0.685
	49.00	827.8	751.9	113.99	1.5714	0.685
	49.25	828.2	752.2	113.99	1.5685	0.686
	49.50	828.5	752.6	113.99	1.5657	0.686
	49.75	828.8	752.9	113.99	1.5628	0.687
	50.00	829.1	753.2	113.99	1.5600	0.687
	50.25	829.4	753.5	113.99	1.5572	0.688
	50.50	829.7	753.8	113.99	1.5545	0.688
	50.75	830.0	754.1	114.00	1.5517	0.689
	51.00	830.3	754.4	114.00	1.5490	0.689
	51.25	830.7	754.7	114.01	1.5463	0.690
	51.50	831.0	755.1	114.00	1.5437	0.691
	51.75	831.3	755.4	114.01	1.5411	0.691
	52.00	831.6	755.7	114.01	1.5385	0.692
	52.25	831.9	756.0	114.01	1.5359	0.692
	52.50	832.2	756.3	114.02	1.5333	0.693
	52.75	832.5	756.6	114.02	1.5308	0.693
	53.00	832.9	757.0	114.02	1.5283	0.694
	53.25	833.2	757.3	114.02	1.5258	0.694
	53.50	833.5	757.6	114.03	1.5234	0.695
	53.75	833.8	757.9	114.03	1.5209	0.695
	54.00	834.1	758.2	114.04	1.5185	0.696
	54.25	834.4	758.5	114.03	1.5161	0.696
	54.50	834.8	758.9	114.03	1.5138	0.697
	54.75	835.1	759.2	114.04	1.5114	0.697
	55.00	835.4	759.5	114.05	1.5091	0.698
	55.25	835.7	759.8	114.04	1.5068	0.698
	55.50	836.1	760.2	114.04	1.5045	0.699
	55.75	836.4	760.5	114.04	1.5022	0.700
	56.00	836.7	760.8	114.05	1.5000	0.700
	56.25	837.0	761.1	114.05	1.4978	0.701
	56.50	837.3	761.4	114.05	1.4956	0.701
	56.75	837.7	761.8	114.06	1.4934	0.702
	57.00	838.0	762.1	114.05	1.4912	0.702
	57.25	838.3	762.4	114.05	1.4891	0.703
	57.50	838.7	762.8	114.06	1.4870	0.703
	57.75	839.0	763.1	114.06	1.4848	0.704
	58.00	839.3	763.4	114.07	1.4828	0.704
	58.25	839.6	763.7	114.07	1.4807	0.705
	58.50	839.9	764.0	114.07	1.4786	0.706
	58.75	840.3	764.4	114.07	1.4766	0.706
	59.00	840.6	764.7	114.08	1.4746	0.707
	59.25	840.9	765.0	114.07	1.4726	0.707
	59.50	841.2	765.3	114.08	1.4706	0.708
	59.75	841.5	765.6	114.09	1.4686	0.708
***** End Shut-in 1	60.00	841.8	765.9	114.08	1.4667	0.709
***** Start Flow 2	0.00	54.9	0.0	114.04		
	0.25	60.8	5.9	114.04		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9137 DST#1 Hill B-2 Anardarko Pet.Co.

DATE: 06/12/97

TIME: 10:29:12

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
0.50	57.3	2.4	114.04		
0.75	51.8	-3.1	114.04		
1.00	63.6	8.6	114.04		
1.25	59.6	4.6	114.04		
1.50	56.1	1.1	114.05		
1.75	55.1	0.2	114.04		
2.00	55.1	0.1	114.05		
2.25	56.2	1.3	114.05		
2.50	56.6	1.7	114.05		
2.75	60.5	5.6	114.06		
3.00	61.2	6.3	114.06		
3.25	63.0	8.1	114.06		
3.50	63.5	8.5	114.06		
3.75	66.4	11.4	114.07		
4.00	67.2	12.2	114.07		
4.25	68.4	13.4	114.07		
4.50	71.4	16.5	114.08		
4.75	72.0	17.0	114.09		
5.00	70.4	15.4	114.08		
5.25	71.6	16.7	114.09		
5.50	70.2	15.3	114.08		
5.75	70.6	15.6	114.09		
6.00	69.8	14.9	114.09		
6.25	69.5	14.5	114.08		
6.50	68.9	13.9	114.10		
6.75	67.2	12.3	114.10		
7.00	69.6	14.6	114.09		
7.25	70.3	15.4	114.09		
7.50	68.9	14.0	114.08		
7.75	67.7	12.8	114.09		
8.00	72.3	17.3	114.09		
8.25	69.0	14.1	114.08		
8.50	68.6	13.6	114.09		
8.75	70.1	15.2	114.09		
9.00	69.4	14.5	114.08		
9.25	73.3	18.3	114.09		
9.50	71.8	16.9	114.08		
9.75	71.0	16.1	114.07		
10.00	70.6	15.6	114.07		
10.25	71.4	16.5	114.07		
10.50	75.6	20.7	114.06		
10.75	72.7	17.8	114.07		
11.00	73.4	18.5	114.07		
11.25	73.7	18.8	114.06		
11.50	77.3	22.4	114.05		
11.75	82.5	27.5	114.05		
12.00	87.9	33.0	114.05		
12.25	93.7	38.7	114.05		
12.50	93.1	38.2	114.04		
12.75	112.2	57.3	114.05		
13.00	101.7	46.7	114.04		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9137 DST#1 Hill B-2 Anardarko Pet.Co.

DATE: 06/12/97

TIME: 10:29:12

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
13.25	94.0	39.1	114.05		
13.50	91.1	36.2	114.04		
13.75	89.7	34.8	114.04		
14.00	89.8	34.8	114.05		
14.25	89.1	34.1	114.05		
14.50	89.6	34.6	114.04		
14.75	89.8	34.9	114.05		
15.00	89.6	34.7	114.05		
15.25	89.5	34.6	114.05		
15.50	90.3	35.4	114.04		
15.75	90.7	35.8	114.04		
16.00	90.8	35.8	114.05		
16.25	90.7	35.7	114.04		
16.50	91.5	36.5	114.04		
16.75	90.9	36.0	114.03		
17.00	91.9	37.0	114.03		
17.25	92.0	37.1	114.03		
17.50	91.6	36.7	114.03		
17.75	91.6	36.7	114.04		
18.00	91.5	36.6	114.04		
18.25	93.1	38.1	114.04		
18.50	95.0	40.0	114.04		
18.75	105.8	50.9	114.04		
19.00	87.3	32.3	114.04		
19.25	87.6	32.7	114.04		
19.50	87.5	32.5	114.05		
19.75	81.4	26.4	114.05		
20.00	78.6	23.7	114.05		
20.25	90.0	35.1	114.04		
20.50	84.6	29.7	114.05		
20.75	87.5	32.6	114.03		
21.00	88.9	34.0	114.04		
21.25	93.2	38.2	114.04		
21.50	93.0	38.1	114.03		
21.75	93.6	38.7	114.04		
22.00	99.6	44.7	114.02		
22.25	102.3	47.3	114.03		
22.50	104.0	49.0	114.02		
22.75	103.8	48.8	114.02		
23.00	104.3	49.3	114.03		
23.25	104.3	49.3	114.03		
23.50	104.9	50.0	114.03		
23.75	102.7	47.8	114.03		
24.00	101.6	46.7	114.03		
24.25	100.8	45.9	114.03		
24.50	117.8	62.8	114.03		
24.75	108.2	53.3	114.04		
25.00	114.3	59.3	114.04		
25.25	131.3	76.3	114.04		
25.50	125.0	70.0	114.04		
25.75	121.3	66.3	114.04		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9137 DST#1 Hill B-2 Anardarko Pet.Co.

DATE: 06/12/97

TIME: 10:29:12

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
26.00	119.5	64.5	114.05		
26.25	118.8	63.9	114.05		
26.50	117.5	62.5	114.05		
26.75	117.3	62.3	114.05		
27.00	118.0	63.1	114.05		
27.25	117.3	62.3	114.06		
27.50	117.2	62.3	114.06		
27.75	117.2	62.2	114.05		
28.00	116.9	62.0	114.06		
28.25	117.0	62.0	114.06		
28.50	117.3	62.3	114.06		
28.75	117.0	62.1	114.06		
29.00	118.8	63.8	114.06		
29.25	130.4	75.5	114.06		
29.50	126.0	71.1	114.05		
29.75	126.5	71.5	114.07		
30.00	173.7	118.8	114.06		
30.25	109.1	54.1	114.07		
30.50	159.0	104.0	114.07		
30.75	149.8	94.9	114.07		
31.00	114.4	59.5	114.08		
31.25	119.9	65.0	114.08		
31.50	127.3	72.4	114.07		
31.75	134.1	79.1	114.07		
32.00	140.2	85.3	114.07		
32.25	149.3	94.4	114.09		
32.50	113.5	58.5	114.08		
32.75	105.0	50.0	114.08		
33.00	110.6	55.7	114.09		
33.25	106.8	51.8	114.08		
33.50	97.7	42.8	114.08		
33.75	106.8	51.9	114.07		
34.00	99.2	44.2	114.08		
34.25	122.0	67.1	114.07		
34.50	138.8	83.8	114.07		
34.75	138.1	83.2	114.06		
35.00	136.5	81.6	114.06		
35.25	136.0	81.1	114.06		
35.50	136.8	81.8	114.06		
35.75	136.6	81.7	114.06		
36.00	138.2	83.2	114.06		
36.25	136.0	81.1	114.05		
36.50	133.1	78.1	114.05		
36.75	130.9	75.9	114.05		
37.00	129.3	74.3	114.06		
37.25	128.6	73.7	114.06		
37.50	128.4	73.5	114.05		
37.75	127.5	72.6	114.06		
38.00	126.2	71.3	114.05		
38.25	126.5	71.6	114.05		
38.50	126.5	71.5	114.06		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9137 DST#1 Hill B-2 Anardarko Pet.Co.

DATE: 06/12/97

TIME: 10:29:12

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
38.75	126.1	71.1	114.05		
39.00	125.5	70.6	114.06		
39.25	125.7	70.8	114.05		
39.50	126.1	71.2	114.05		
39.75	125.8	70.9	114.06		
40.00	125.7	70.8	114.05		
40.25	125.5	70.5	114.05		
40.50	125.6	70.7	114.05		
40.75	125.6	70.6	114.06		
41.00	129.1	74.2	114.05		
41.25	150.2	95.3	114.05		
41.50	132.1	77.1	114.06		
41.75	174.1	119.1	114.05		
42.00	127.7	72.7	114.06		
42.25	105.2	50.3	114.07		
42.50	95.2	40.3	114.07		
42.75	96.8	41.8	114.07		
43.00	98.4	43.5	114.07		
43.25	97.3	42.3	114.07		
43.50	95.6	40.7	114.06		
43.75	92.9	37.9	114.04		
44.00	95.2	40.2	114.05		
44.25	95.4	40.5	114.04		
44.50	92.0	37.0	114.04		
44.75	94.8	39.9	114.04		
45.00	93.1	38.2	114.02		
45.25	110.9	56.0	114.02		
45.50	123.6	68.7	114.02		
45.75	94.6	39.7	114.01		
46.00	106.9	51.9	114.00		
46.25	87.0	32.0	114.00		
46.50	124.5	69.5	114.00		
46.75	93.1	38.2	114.00		
47.00	87.0	32.0	114.00		
47.25	95.6	40.6	114.00		
47.50	92.7	37.7	114.00		
47.75	90.0	35.1	114.00		
48.00	89.6	34.6	113.99		
48.25	89.3	34.4	113.98		
48.50	88.0	33.1	113.98		
48.75	85.1	30.2	113.97		
49.00	85.9	31.0	113.97		
49.25	87.9	33.0	113.98		
49.50	87.0	32.0	113.97		
49.75	86.8	31.9	113.97		
50.00	90.5	35.6	113.96		
50.25	85.8	30.8	113.95		
50.50	85.1	30.1	113.95		
50.75	84.8	29.9	113.94		
51.00	83.9	28.9	113.94		
51.25	83.7	28.8	113.93		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9137 DST#1 Hill B-2 Anardarko Pet.Co.

DATE: 06/12/97

TIME: 10:29:12

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	51.50	82.2	27.3	113.93		
	51.75	84.3	29.3	113.93		
	52.00	86.2	31.3	113.93		
	52.25	84.9	30.0	113.92		
	52.50	83.9	29.0	113.92		
	52.75	83.8	28.9	113.92		
	53.00	80.6	25.7	113.91		
	53.25	77.5	22.6	113.90		
	53.50	77.2	22.3	113.90		
	53.75	77.5	22.6	113.90		
	54.00	85.3	30.3	113.89		
	54.25	85.8	30.9	113.89		
	54.50	86.1	31.2	113.88		
	54.75	89.1	34.2	113.89		
	55.00	80.2	25.3	113.87		
	55.25	79.4	24.4	113.89		
	55.50	79.7	24.8	113.87		
	55.75	80.4	25.4	113.87		
	56.00	80.1	25.2	113.86		
	56.25	80.1	25.2	113.85		
	56.50	78.8	23.9	113.85		
	56.75	80.0	25.1	113.86		
	57.00	80.3	25.3	113.85		
	57.25	79.0	24.1	113.84		
	57.50	77.0	22.1	113.83		
	57.75	77.2	22.3	113.84		
	58.00	84.8	29.9	113.84		
	58.25	83.4	28.4	113.82		
***** End Flow 2	58.50	83.1	28.1	113.82		
***** Start Shutin 2	0.00	83.1	0.0	113.82	0.0000	0.007
	0.25	131.1	48.0	113.82	347.0000	0.017
	0.50	192.2	109.2	113.82	174.0000	0.037
	0.75	246.6	163.6	113.81	116.3333	0.061
	1.00	295.0	211.9	113.81	87.5000	0.087
	1.25	337.6	254.6	113.83	70.2000	0.114
	1.50	375.4	292.3	113.83	58.6667	0.141
	1.75	408.9	325.8	113.83	50.4286	0.167
	2.00	439.0	356.0	113.85	44.2500	0.193
	2.25	465.7	382.7	113.87	39.4444	0.217
	2.50	490.3	407.3	113.87	35.6000	0.240
	2.75	511.1	428.0	113.89	32.4545	0.261
	3.00	530.5	447.4	113.91	29.8333	0.281
	3.25	547.9	464.8	113.92	27.6154	0.300
	3.50	563.7	480.7	113.93	25.7143	0.318
	3.75	578.1	495.1	113.95	24.0667	0.334
	4.00	591.1	508.1	113.95	22.6250	0.349
	4.25	603.0	520.0	113.97	21.3529	0.364
	4.50	614.0	531.0	113.99	20.2222	0.377
	4.75	624.4	541.3	114.00	19.2105	0.390
	5.00	634.6	551.6	114.01	18.3000	0.403
	5.25	644.1	561.1	114.02	17.4762	0.415

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9137 DST#1 Hill B-2 Anardarko Pet.Co.

DATE: 06/12/97

TIME: 10:29:12

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
5.50	653.0	569.9	114.03	16.7273	0.426
5.75	661.1	578.0	114.04	16.0435	0.437
6.00	668.9	585.8	114.04	15.4167	0.447
6.25	676.0	593.0	114.06	14.8400	0.457
6.50	682.7	599.7	114.06	14.3077	0.466
6.75	689.0	605.9	114.07	13.8148	0.475
7.00	694.8	611.8	114.08	13.3571	0.483
7.25	700.2	617.1	114.09	12.9310	0.490
7.50	705.3	622.2	114.09	12.5333	0.497
7.75	710.1	627.0	114.10	12.1613	0.504
8.00	714.9	631.8	114.10	11.8125	0.511
8.25	719.5	636.4	114.12	11.4848	0.518
8.50	723.7	640.7	114.13	11.1765	0.524
8.75	727.8	644.7	114.13	10.8857	0.530
9.00	731.5	648.4	114.13	10.6111	0.535
9.25	735.0	652.0	114.13	10.3514	0.540
9.50	738.4	655.3	114.14	10.1053	0.545
9.75	741.5	658.4	114.15	9.8718	0.550
10.00	744.3	661.3	114.15	9.6500	0.554
10.25	747.1	664.0	114.15	9.4390	0.558
10.50	749.6	666.6	114.16	9.2381	0.562
10.75	752.1	669.1	114.17	9.0465	0.566
11.00	754.4	671.4	114.17	8.8636	0.569
11.25	756.6	673.6	114.17	8.6889	0.572
11.50	758.7	675.6	114.17	8.5217	0.576
11.75	760.6	677.5	114.18	8.3617	0.579
12.00	762.4	679.4	114.17	8.2083	0.581
12.25	764.2	681.1	114.19	8.0612	0.584
12.50	765.8	682.8	114.19	7.9200	0.586
12.75	767.4	684.4	114.19	7.7843	0.589
13.00	768.9	685.9	114.19	7.6538	0.591
13.25	770.4	687.3	114.19	7.5283	0.594
13.50	771.8	688.7	114.19	7.4074	0.596
13.75	773.1	690.0	114.20	7.2909	0.598
14.00	774.3	691.3	114.20	7.1786	0.600
14.25	775.6	692.5	114.21	7.0702	0.601
14.50	776.7	693.6	114.20	6.9655	0.603
14.75	777.8	694.8	114.21	6.8644	0.605
15.00	778.9	695.8	114.22	6.7667	0.607
15.25	779.9	696.9	114.21	6.6721	0.608
15.50	780.9	697.8	114.21	6.5806	0.610
15.75	781.9	698.8	114.22	6.4921	0.611
16.00	782.8	699.7	114.23	6.4062	0.613
16.25	783.7	700.6	114.23	6.3231	0.614
16.50	784.5	701.5	114.23	6.2424	0.615
16.75	785.4	702.3	114.24	6.1642	0.617
17.00	786.2	703.2	114.24	6.0882	0.618
17.25	787.0	704.0	114.23	6.0145	0.619
17.50	787.9	704.8	114.24	5.9429	0.621
17.75	788.6	705.6	114.25	5.8732	0.622
18.00	789.4	706.4	114.25	5.8056	0.623

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9137 DST#1 Hill B-2 Anardarko Pet.Co.

DATE: 06/12/97

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Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
18.25	790.2	707.1	114.25	5.7397	0.624
18.50	791.0	707.9	114.25	5.6757	0.626
18.75	791.8	708.7	114.25	5.6133	0.627
19.00	792.6	709.5	114.25	5.5526	0.628
19.25	793.4	710.3	114.26	5.4935	0.629
19.50	794.1	711.1	114.26	5.4359	0.631
19.75	794.9	711.8	114.25	5.3797	0.632
20.00	795.7	712.6	114.27	5.3250	0.633
20.25	796.4	713.4	114.26	5.2716	0.634
20.50	797.3	714.2	114.26	5.2195	0.636
20.75	798.0	715.0	114.27	5.1687	0.637
21.00	798.8	715.8	114.26	5.1190	0.638
21.25	799.6	716.5	114.27	5.0706	0.639
21.50	800.4	717.3	114.28	5.0233	0.641
21.75	801.2	718.1	114.26	4.9770	0.642
22.00	802.0	718.9	114.29	4.9318	0.643
22.25	802.8	719.7	114.28	4.8876	0.644
22.50	803.6	720.5	114.27	4.8444	0.646
22.75	804.4	721.3	114.28	4.8022	0.647
23.00	805.2	722.2	114.27	4.7609	0.648
23.25	806.0	723.0	114.28	4.7204	0.650
23.50	806.8	723.8	114.27	4.6809	0.651
23.75	807.6	724.6	114.28	4.6421	0.652
24.00	808.4	725.4	114.28	4.6042	0.654
24.25	809.3	726.2	114.28	4.5670	0.655
24.50	810.1	727.0	114.26	4.5306	0.656
24.75	810.9	727.8	114.27	4.4949	0.658
25.00	811.7	728.7	114.28	4.4600	0.659
25.25	812.5	729.4	114.28	4.4257	0.660
25.50	813.3	730.2	114.28	4.3922	0.661
25.75	814.1	731.0	114.29	4.3592	0.663
26.00	814.9	731.8	114.28	4.3269	0.664
26.25	815.7	732.6	114.28	4.2952	0.665
26.50	816.5	733.4	114.29	4.2642	0.667
26.75	817.3	734.2	114.28	4.2336	0.668
27.00	818.1	735.0	114.29	4.2037	0.669
27.25	818.8	735.8	114.29	4.1743	0.670
27.50	819.6	736.6	114.29	4.1455	0.672
27.75	820.4	737.3	114.29	4.1171	0.673
28.00	821.2	738.1	114.29	4.0893	0.674
28.25	822.0	738.9	114.29	4.0619	0.676
28.50	822.7	739.7	114.30	4.0351	0.677
28.75	823.5	740.5	114.30	4.0087	0.678
29.00	824.3	741.3	114.29	3.9828	0.680
29.25	825.1	742.0	114.30	3.9573	0.681
29.50	825.8	742.8	114.30	3.9322	0.682
29.75	826.6	743.6	114.30	3.9076	0.683
30.00	827.4	744.3	114.30	3.8833	0.685
30.25	828.2	745.1	114.30	3.8595	0.686
30.50	828.9	745.9	114.31	3.8361	0.687
30.75	829.7	746.6	114.30	3.8130	0.688

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9137 DST#1 Hill B-2 Anardarko Pet.Co.

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TIME: 10:29:12

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
31.00	830.4	747.4	114.31	3.7903	0.690
31.25	831.2	748.1	114.30	3.7680	0.691
31.50	832.0	748.9	114.31	3.7460	0.692
31.75	832.7	749.7	114.31	3.7244	0.693
32.00	833.5	750.4	114.31	3.7031	0.695
32.25	834.3	751.2	114.31	3.6822	0.696
32.50	835.0	752.0	114.31	3.6615	0.697
32.75	835.8	752.7	114.30	3.6412	0.698
33.00	836.5	753.5	114.31	3.6212	0.700
33.25	837.3	754.2	114.32	3.6015	0.701
33.50	838.0	755.0	114.31	3.5821	0.702
33.75	838.8	755.7	114.32	3.5630	0.704
34.00	839.5	756.5	114.31	3.5441	0.705
34.25	840.3	757.2	114.32	3.5255	0.706
34.50	841.0	758.0	114.32	3.5072	0.707
34.75	841.7	758.7	114.32	3.4892	0.709
35.00	842.5	759.4	114.31	3.4714	0.710
35.25	843.2	760.2	114.31	3.4539	0.711
35.50	844.0	760.9	114.32	3.4366	0.712
35.75	844.7	761.6	114.33	3.4196	0.713
36.00	845.4	762.3	114.33	3.4028	0.715
36.25	846.1	763.1	114.33	3.3862	0.716
36.50	846.8	763.8	114.32	3.3699	0.717
36.75	847.6	764.5	114.32	3.3537	0.718
37.00	848.3	765.2	114.33	3.3378	0.720
37.25	849.0	765.9	114.33	3.3221	0.721
37.50	849.7	766.6	114.33	3.3067	0.722
37.75	850.4	767.3	114.32	3.2914	0.723
38.00	851.1	768.1	114.33	3.2763	0.724
38.25	851.8	768.7	114.33	3.2614	0.726
38.50	852.5	769.4	114.33	3.2468	0.727
38.75	853.2	770.1	114.33	3.2323	0.728
39.00	853.9	770.8	114.33	3.2179	0.729
39.25	854.6	771.5	114.33	3.2038	0.730
39.50	855.3	772.2	114.34	3.1899	0.731
39.75	856.0	772.9	114.34	3.1761	0.733
40.00	856.7	773.6	114.33	3.1625	0.734
40.25	857.3	774.3	114.34	3.1491	0.735
40.50	858.0	775.0	114.33	3.1358	0.736
40.75	858.7	775.7	114.35	3.1227	0.737
41.00	859.4	776.3	114.35	3.1098	0.739
41.25	860.1	777.0	114.34	3.0970	0.740
41.50	860.7	777.7	114.33	3.0843	0.741
41.75	861.4	778.3	114.34	3.0719	0.742
42.00	862.1	779.0	114.34	3.0595	0.743
42.25	862.7	779.7	114.34	3.0473	0.744
42.50	863.4	780.3	114.35	3.0353	0.745
42.75	864.0	781.0	114.34	3.0234	0.747
43.00	864.7	781.7	114.34	3.0116	0.748
43.25	865.4	782.3	114.35	3.0000	0.749
43.50	866.1	783.0	114.35	2.9885	0.750

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9137 DST#1 Hill B-2 Anardarko Pet.Co.

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Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
43.75	866.7	783.6	114.35	2.9771	0.751
44.00	867.4	784.3	114.35	2.9659	0.752
44.25	868.0	785.0	114.36	2.9548	0.753
44.50	868.7	785.6	114.36	2.9438	0.755
44.75	869.3	786.3	114.36	2.9330	0.756
45.00	869.9	786.9	114.35	2.9222	0.757
45.25	870.6	787.6	114.36	2.9116	0.758
45.50	871.2	788.2	114.36	2.9011	0.759
45.75	871.9	788.8	114.36	2.8907	0.760
46.00	872.5	789.5	114.36	2.8804	0.761
46.25	873.2	790.1	114.36	2.8703	0.762
46.50	873.8	790.7	114.36	2.8602	0.763
46.75	874.4	791.4	114.37	2.8503	0.765
47.00	875.1	792.0	114.37	2.8404	0.766
47.25	875.7	792.6	114.36	2.8307	0.767
47.50	876.3	793.2	114.37	2.8211	0.768
47.75	876.9	793.9	114.37	2.8115	0.769
48.00	877.6	794.5	114.37	2.8021	0.770
48.25	878.2	795.1	114.37	2.7927	0.771
48.50	878.8	795.7	114.38	2.7835	0.772
48.75	879.4	796.4	114.37	2.7744	0.773
49.00	880.0	797.0	114.38	2.7653	0.774
49.25	880.6	797.6	114.37	2.7563	0.776
49.50	881.2	798.2	114.38	2.7475	0.777
49.75	881.9	798.8	114.39	2.7387	0.778
50.00	882.4	799.4	114.39	2.7300	0.779
50.25	883.0	800.0	114.38	2.7214	0.780
50.50	883.6	800.6	114.39	2.7129	0.781
50.75	884.2	801.2	114.40	2.7044	0.782
51.00	884.8	801.8	114.39	2.6961	0.783
51.25	885.4	802.4	114.39	2.6878	0.784
51.50	886.0	803.0	114.39	2.6796	0.785
51.75	886.6	803.5	114.40	2.6715	0.786
52.00	887.1	804.1	114.40	2.6635	0.787
52.25	887.7	804.6	114.40	2.6555	0.788
52.50	888.3	805.2	114.39	2.6476	0.789
52.75	888.8	805.8	114.40	2.6398	0.790
53.00	889.4	806.3	114.40	2.6321	0.791
53.25	890.0	806.9	114.40	2.6244	0.792
53.50	890.5	807.5	114.40	2.6168	0.793
53.75	891.1	808.0	114.41	2.6093	0.794
54.00	891.6	808.6	114.40	2.6019	0.795
54.25	892.2	809.1	114.41	2.5945	0.796
54.50	892.7	809.7	114.41	2.5872	0.797
54.75	893.3	810.2	114.42	2.5799	0.798
55.00	893.8	810.8	114.41	2.5727	0.799
55.25	894.4	811.3	114.41	2.5656	0.800
55.50	894.9	811.9	114.42	2.5586	0.801
55.75	895.5	812.4	114.42	2.5516	0.802
56.00	896.0	813.0	114.42	2.5446	0.803
56.25	896.6	813.5	114.42	2.5378	0.804

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9137 DST#1 Hill B-2 Anardarko Pet.Co.

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Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
56.50	897.1	814.1	114.42	2.5310	0.805
56.75	897.6	814.6	114.42	2.5242	0.806
57.00	898.2	815.1	114.42	2.5175	0.807
57.25	898.7	815.6	114.43	2.5109	0.808
57.50	899.2	816.2	114.42	2.5043	0.809
57.75	899.8	816.7	114.42	2.4978	0.810
58.00	900.3	817.3	114.43	2.4914	0.811
58.25	900.9	817.8	114.44	2.4850	0.812
58.50	901.4	818.3	114.43	2.4786	0.813
58.75	901.9	818.8	114.44	2.4723	0.813
59.00	902.4	819.4	114.44	2.4661	0.814
59.25	903.0	819.9	114.43	2.4599	0.815
59.50	903.5	820.4	114.44	2.4538	0.816
59.75	904.0	821.0	114.44	2.4477	0.817
60.00	904.5	821.5	114.44	2.4417	0.818
60.25	905.0	822.0	114.44	2.4357	0.819
60.50	905.5	822.5	114.45	2.4298	0.820
60.75	906.0	823.0	114.44	2.4239	0.821
61.00	906.6	823.5	114.44	2.4180	0.822
61.25	907.1	824.0	114.45	2.4122	0.823
61.50	907.6	824.5	114.47	2.4065	0.824
61.75	908.1	825.0	114.44	2.4008	0.825
62.00	908.6	825.5	114.45	2.3952	0.826
62.25	909.1	826.0	114.46	2.3896	0.826
62.50	909.6	826.6	114.46	2.3840	0.827
62.75	910.1	827.0	114.46	2.3785	0.828
63.00	910.6	827.5	114.46	2.3730	0.829
63.25	911.1	828.0	114.46	2.3676	0.830
63.50	911.6	828.5	114.46	2.3622	0.831
63.75	912.1	829.0	114.46	2.3569	0.832
64.00	912.6	829.5	114.46	2.3516	0.833
64.25	913.1	830.0	114.46	2.3463	0.834
64.50	913.6	830.5	114.47	2.3411	0.835
64.75	914.0	831.0	114.47	2.3359	0.835
65.00	914.5	831.5	114.47	2.3308	0.836
65.25	915.0	831.9	114.47	2.3257	0.837
65.50	915.4	832.4	114.48	2.3206	0.838
65.75	915.9	832.9	114.48	2.3156	0.839
66.00	916.4	833.4	114.48	2.3106	0.840
66.25	916.9	833.8	114.48	2.3057	0.841
66.50	917.4	834.3	114.49	2.3008	0.842
66.75	917.8	834.7	114.48	2.2959	0.842
67.00	918.3	835.2	114.48	2.2910	0.843
67.25	918.8	835.7	114.49	2.2862	0.844
67.50	919.2	836.2	114.49	2.2815	0.845
67.75	919.7	836.6	114.48	2.2768	0.846
68.00	920.1	837.1	114.49	2.2721	0.847
68.25	920.6	837.5	114.49	2.2674	0.847
68.50	921.0	838.0	114.49	2.2628	0.848
68.75	921.5	838.5	114.50	2.2582	0.849
69.00	922.0	838.9	114.49	2.2536	0.850

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9137 DST#1 Hill B-2 Anardarko Pet.Co.

DATE: 06/12/97

TIME: 10:29:12

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
69.25	922.4	839.3	114.50	2.2491	0.851
69.50	922.8	839.8	114.50	2.2446	0.852
69.75	923.3	840.2	114.51	2.2401	0.852
70.00	923.7	840.7	114.51	2.2357	0.853
70.25	924.2	841.1	114.50	2.2313	0.854
70.50	924.6	841.5	114.51	2.2270	0.855
70.75	925.0	842.0	114.51	2.2226	0.856
71.00	925.4	842.4	114.50	2.2183	0.856
71.25	925.9	842.8	114.52	2.2140	0.857
71.50	926.3	843.2	114.50	2.2098	0.858
71.75	926.7	843.7	114.51	2.2056	0.859
72.00	927.2	844.1	114.51	2.2014	0.860
72.25	927.6	844.5	114.51	2.1972	0.860
72.50	928.0	844.9	114.51	2.1931	0.861
72.75	928.4	845.4	114.53	2.1890	0.862
73.00	928.8	845.8	114.52	2.1849	0.863
73.25	929.2	846.2	114.51	2.1809	0.863
73.50	929.6	846.6	114.53	2.1769	0.864
73.75	930.1	847.0	114.54	2.1729	0.865
74.00	930.5	847.4	114.53	2.1689	0.866
74.25	930.9	847.8	114.53	2.1650	0.867
74.50	931.3	848.2	114.53	2.1611	0.867
74.75	931.7	848.6	114.54	2.1572	0.868
75.00	932.1	849.0	114.55	2.1533	0.869
75.25	932.5	849.4	114.55	2.1495	0.870
75.50	932.9	849.8	114.55	2.1457	0.870
75.75	933.3	850.2	114.55	2.1419	0.871
76.00	933.7	850.6	114.55	2.1382	0.872
76.25	934.1	851.0	114.55	2.1344	0.872
76.50	934.5	851.4	114.55	2.1307	0.873
76.75	934.8	851.8	114.55	2.1270	0.874
77.00	935.2	852.2	114.56	2.1234	0.875
77.25	935.6	852.6	114.56	2.1197	0.875
77.50	936.0	852.9	114.57	2.1161	0.876
77.75	936.4	853.3	114.57	2.1125	0.877
78.00	936.7	853.7	114.57	2.1090	0.877
78.25	937.1	854.1	114.57	2.1054	0.878
78.50	937.5	854.4	114.58	2.1019	0.879
78.75	937.9	854.8	114.57	2.0984	0.880
79.00	938.3	855.2	114.57	2.0949	0.880
79.25	938.6	855.6	114.57	2.0915	0.881
79.50	939.0	855.9	114.58	2.0881	0.882
79.75	939.4	856.3	114.58	2.0846	0.882
80.00	939.7	856.7	114.58	2.0812	0.883
80.25	940.1	857.0	114.58	2.0779	0.884
80.50	940.5	857.4	114.58	2.0745	0.884
80.75	940.8	857.8	114.59	2.0712	0.885
81.00	941.2	858.1	114.59	2.0679	0.886
81.25	941.5	858.5	114.59	2.0646	0.887
81.50	941.9	858.9	114.60	2.0613	0.887
81.75	942.3	859.2	114.60	2.0581	0.888

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9137 DST#1 Hill B-2 Anardarko Pet.Co.

DATE: 06/12/97

TIME: 10:29:12

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
82.00	942.6	859.6	114.61	2.0549	0.889
82.25	943.0	859.9	114.61	2.0517	0.889
82.50	943.3	860.3	114.61	2.0485	0.890
82.75	943.7	860.6	114.61	2.0453	0.891
83.00	944.0	861.0	114.61	2.0422	0.891
83.25	944.4	861.3	114.61	2.0390	0.892
83.50	944.7	861.7	114.62	2.0359	0.893
83.75	945.0	862.0	114.63	2.0328	0.893
84.00	945.4	862.4	114.63	2.0298	0.894
84.25	945.8	862.7	114.63	2.0267	0.894
84.50	946.1	863.1	114.64	2.0237	0.895
84.75	946.4	863.4	114.64	2.0206	0.896
85.00	946.8	863.7	114.66	2.0176	0.896
85.25	947.1	864.1	114.66	2.0147	0.897
85.50	947.4	864.4	114.66	2.0117	0.898
85.75	947.8	864.7	114.66	2.0087	0.898
86.00	948.1	865.0	114.67	2.0058	0.899
86.25	948.4	865.4	114.67	2.0029	0.899
86.50	948.8	865.7	114.69	2.0000	0.900
86.75	949.1	866.0	114.69	1.9971	0.901
87.00	949.4	866.3	114.69	1.9943	0.901
87.25	949.7	866.7	114.70	1.9914	0.902
87.50	950.0	867.0	114.71	1.9886	0.903
87.75	950.3	867.3	114.71	1.9858	0.903
88.00	950.7	867.6	114.72	1.9830	0.904
88.25	951.0	867.9	114.72	1.9802	0.904
88.50	951.3	868.2	114.74	1.9774	0.905
88.75	951.6	868.5	114.74	1.9746	0.906
89.00	951.9	868.8	114.74	1.9719	0.906
89.25	952.2	869.2	114.76	1.9692	0.907
89.50	952.5	869.5	114.76	1.9665	0.907
89.75	952.9	869.8	114.77	1.9638	0.908
90.00	953.2	870.1	114.78	1.9611	0.909
90.25	953.4	870.4	114.80	1.9584	0.909
90.50	953.8	870.7	114.80	1.9558	0.910
90.75	954.1	871.0	114.81	1.9532	0.910
91.00	954.3	871.3	114.81	1.9505	0.911
91.25	954.6	871.6	114.81	1.9479	0.911
91.50	954.9	871.9	114.81	1.9454	0.912
91.75	955.2	872.2	114.84	1.9428	0.912
92.00	955.5	872.5	114.84	1.9402	0.913
92.25	955.8	872.8	114.85	1.9377	0.914
92.50	956.1	873.1	114.85	1.9351	0.914
92.75	956.4	873.4	114.87	1.9326	0.915
93.00	956.7	873.7	114.87	1.9301	0.915
93.25	957.0	873.9	114.89	1.9276	0.916
93.50	957.3	874.2	114.88	1.9251	0.916
93.75	957.6	874.5	114.90	1.9227	0.917
94.00	957.9	874.8	114.91	1.9202	0.918
94.25	958.1	875.1	114.92	1.9178	0.918
94.50	958.4	875.4	114.93	1.9153	0.919

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: 9137 DST#1 Hill B-2 Anardarko Pet.Co.
 DATE: 06/12/97 TIME: 10:29:12

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
94.75	958.7	875.7	114.93	1.9129	0.919
95.00	959.0	875.9	114.94	1.9105	0.920
95.25	959.3	876.2	114.95	1.9081	0.920
95.50	959.5	876.5	114.97	1.9058	0.921
95.75	959.8	876.8	114.97	1.9034	0.921
96.00	960.1	877.0	114.98	1.9010	0.922
96.25	960.4	877.3	114.99	1.8987	0.922
96.50	960.6	877.6	115.00	1.8964	0.923
96.75	960.9	877.8	115.01	1.8941	0.923
97.00	961.2	878.1	115.02	1.8918	0.924
97.25	961.4	878.4	115.02	1.8895	0.924
97.50	961.7	878.6	115.04	1.8872	0.925
97.75	962.0	878.9	115.04	1.8849	0.925
98.00	962.3	879.2	115.05	1.8827	0.926
98.25	962.5	879.4	115.05	1.8804	0.926
98.50	962.8	879.7	115.06	1.8782	0.927
98.75	963.0	880.0	115.07	1.8759	0.927
99.00	963.3	880.2	115.08	1.8737	0.928
99.25	963.6	880.5	115.09	1.8715	0.928
99.50	963.8	880.8	115.09	1.8693	0.929
99.75	964.1	881.0	115.10	1.8672	0.929
100.00	964.3	881.3	115.11	1.8650	0.930
100.25	964.6	881.5	115.12	1.8628	0.930
100.50	964.9	881.8	115.13	1.8607	0.931
100.75	965.1	882.0	115.13	1.8586	0.931
101.00	965.4	882.3	115.14	1.8564	0.932
101.25	965.6	882.6	115.15	1.8543	0.932
101.50	965.9	882.8	115.14	1.8522	0.933
101.75	966.1	883.1	115.16	1.8501	0.933
102.00	966.4	883.3	115.16	1.8480	0.934
102.25	966.6	883.6	115.17	1.8460	0.934
102.50	966.9	883.8	115.17	1.8439	0.935
102.75	967.1	884.1	115.18	1.8418	0.935
103.00	967.4	884.3	115.20	1.8398	0.936
103.25	967.6	884.6	115.20	1.8378	0.936
103.50	967.9	884.8	115.21	1.8357	0.937
103.75	968.1	885.1	115.21	1.8337	0.937
104.00	968.4	885.3	115.22	1.8317	0.938
104.25	968.6	885.5	115.22	1.8297	0.938
104.50	968.8	885.8	115.23	1.8278	0.939
104.75	969.1	886.0	115.24	1.8258	0.939
105.00	969.3	886.3	115.25	1.8238	0.940
105.25	969.6	886.5	115.25	1.8219	0.940
105.50	969.8	886.7	115.26	1.8199	0.940
105.75	970.0	887.0	115.27	1.8180	0.941
106.00	970.3	887.2	115.27	1.8160	0.941
106.25	970.5	887.5	115.27	1.8141	0.942
106.50	970.7	887.7	115.28	1.8122	0.942
106.75	971.0	887.9	115.29	1.8103	0.943
107.00	971.2	888.2	115.29	1.8084	0.943
107.25	971.4	888.4	115.30	1.8065	0.944

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9137 DST#1 Hill B-2 Anardarko Pet.Co.

DATE: 06/12/97

TIME: 10:29:12

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	107.50	971.7	888.6	115.31	1.8047	0.944
	107.75	971.9	888.8	115.30	1.8028	0.945
	108.00	972.1	889.0	115.32	1.8009	0.945
	108.25	972.3	889.2	115.32	1.7991	0.945
	108.50	972.6	889.5	115.32	1.7972	0.946
	108.75	972.8	889.7	115.33	1.7954	0.946
	109.00	973.0	889.9	115.34	1.7936	0.947
	109.25	973.2	890.2	115.35	1.7918	0.947
	109.50	973.4	890.4	115.35	1.7900	0.948
	109.75	973.7	890.6	115.35	1.7882	0.948
	110.00	973.9	890.8	115.36	1.7864	0.948
	110.25	974.1	891.1	115.37	1.7846	0.949
	110.50	974.3	891.3	115.37	1.7828	0.949
	110.75	974.5	891.5	115.38	1.7810	0.950
	111.00	974.7	891.7	115.37	1.7793	0.950
	111.25	975.0	891.9	115.39	1.7775	0.951
	111.50	975.2	892.1	115.40	1.7758	0.951
	111.75	975.4	892.3	115.41	1.7740	0.951
	112.00	975.6	892.5	115.40	1.7723	0.952
	112.25	975.8	892.7	115.41	1.7706	0.952
	112.50	976.0	893.0	115.42	1.7689	0.953
	112.75	976.2	893.2	115.43	1.7672	0.953
	113.00	976.4	893.4	115.43	1.7655	0.953
	113.25	976.6	893.6	115.44	1.7638	0.954
	113.50	976.9	893.8	115.44	1.7621	0.954
	113.75	977.1	894.0	115.45	1.7604	0.955
	114.00	977.2	894.2	115.45	1.7588	0.955
	114.25	977.4	894.4	115.46	1.7571	0.955
	114.50	977.7	894.6	115.46	1.7555	0.956
	114.75	977.8	894.8	115.47	1.7538	0.956
	115.00	978.1	895.0	115.49	1.7522	0.957
	115.25	978.3	895.2	115.48	1.7505	0.957
	115.50	978.4	895.4	115.49	1.7489	0.957
	115.75	978.7	895.6	115.49	1.7473	0.958
	116.00	978.9	895.8	115.50	1.7457	0.958
	116.25	979.0	896.0	115.50	1.7441	0.959
	116.50	979.2	896.2	115.50	1.7425	0.959
	116.75	979.4	896.4	115.51	1.7409	0.959
	117.00	979.6	896.6	115.52	1.7393	0.960
	117.25	979.8	896.8	115.52	1.7377	0.960
	117.50	980.0	897.0	115.53	1.7362	0.960
	117.75	980.2	897.1	115.52	1.7346	0.961
	118.00	980.4	897.3	115.53	1.7331	0.961
	118.25	980.6	897.5	115.54	1.7315	0.962
	118.50	980.8	897.7	115.54	1.7300	0.962
	118.75	981.0	897.9	115.55	1.7284	0.962
***** End Shut-in 2	119.00	981.1	898.1	115.55	1.7269	0.963
***** Final Hydro.	386.75	2128.3	0.0	116.25		

9137 DST#1 Hill B-2 Anardarko Pet.Co. TEST HISTORY

Flag Points

t(Min.) P(PSig)

A: 0.00 2215.70
 B: 0.00 44.91
 C: 28.00 75.91
 D: 60.00 841.85
 E: 0.00 54.94
 F: 58.50 83.06
 G: 119.00 981.14
 Q: 0.00 2128.28

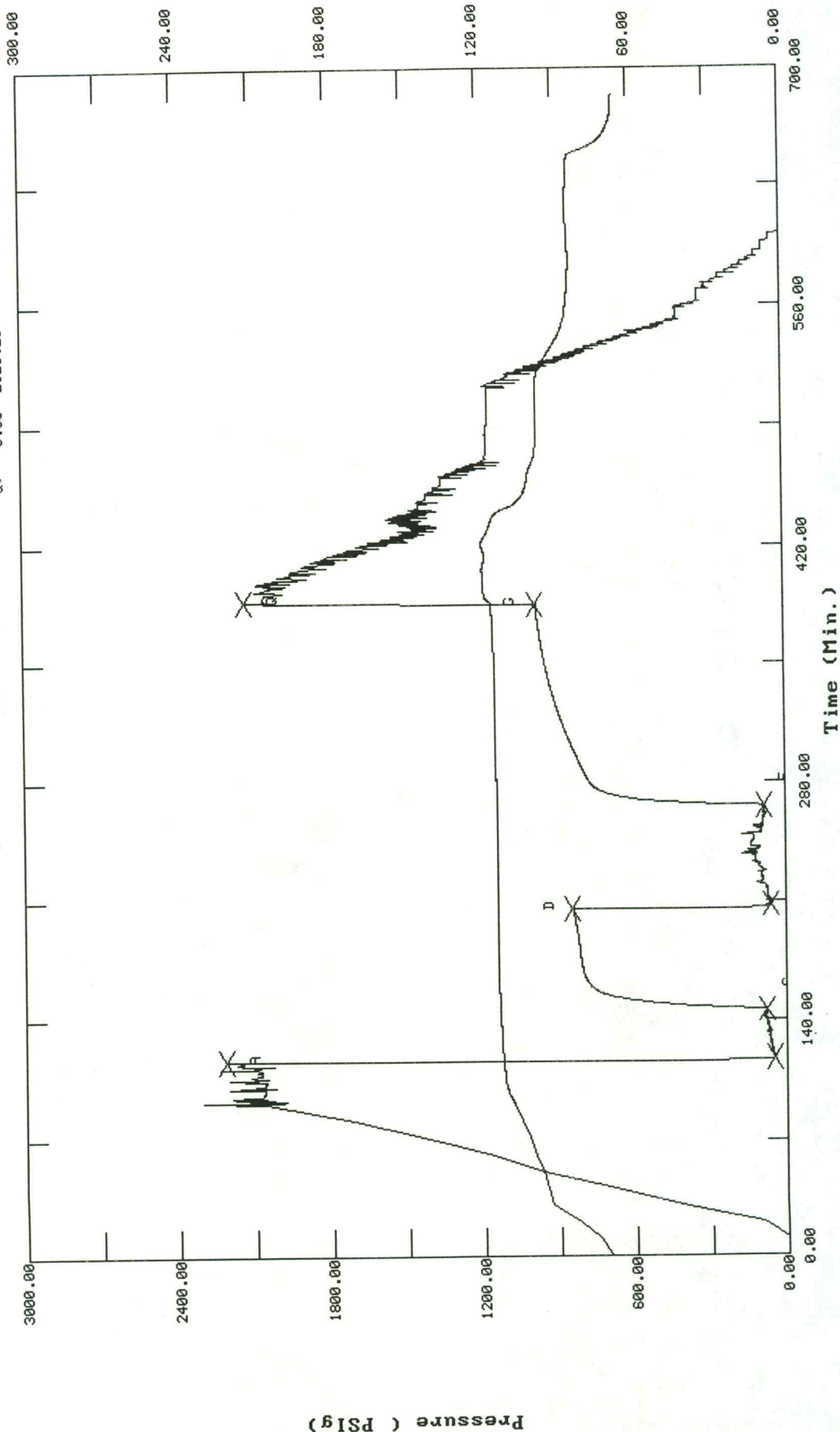
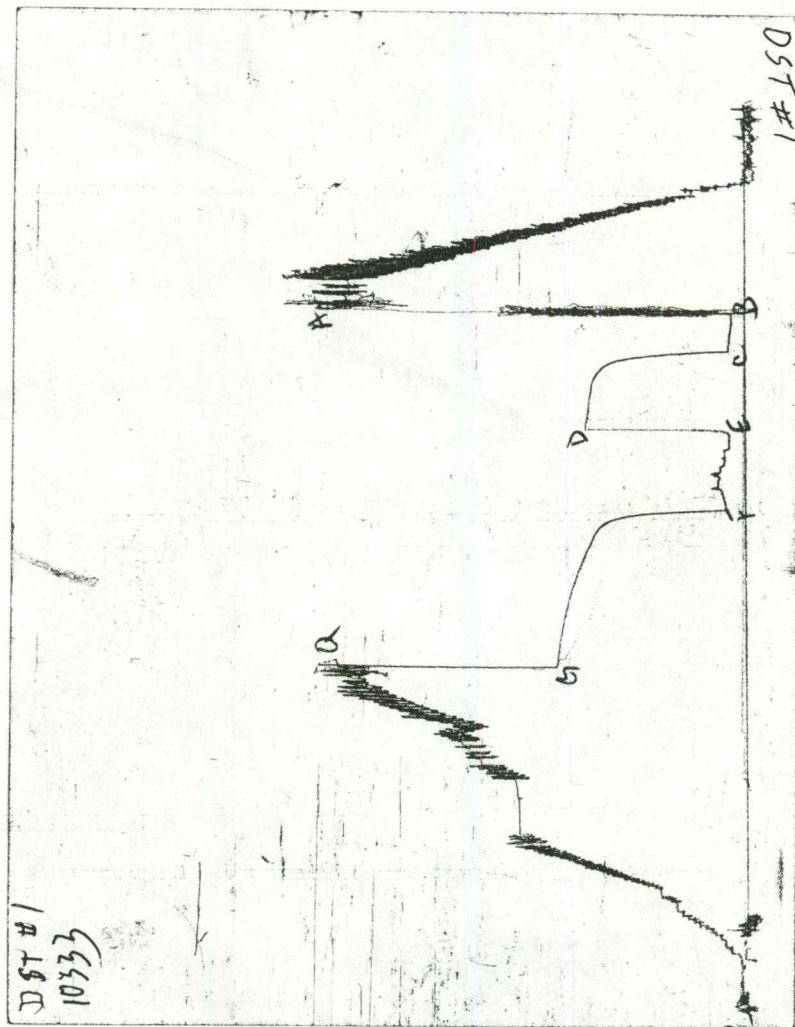


CHART PAGE



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

Test Ticket

N^o 9137

Well Name & No. Hill B-2 Test No. 1 Date 6-12-97
 Company ANADARKO PET. CO. Zone Tested CHEROKEE SAND
 Address P.O. BOX 351 Liberal KS. Elevation 3468 KB 3455 GL
 Co. Rep / Geo. Ed Greaves Cont. Chyenne Drly. Est. Ft. of Pay Por. %
 Location: Sec. 17 Twp. 34 S Rge. 41 W Co. Morton State KS
 No. of Copies 1/mL Distribution Sheet (Y, N) N/O Turnkey (Y, N) ✓ Evaluation (Y, N)

Interval Tested ~~4447~~ 4392-4460
 Anchor Length 68
 Top Packer Depth 4387
 Bottom Packer Depth 4392
 Total Depth 4460
 Mud Wt. 8.4 LCM 7 Vis. 49 WL 8.8

Initial Str Wt./Lbs. 84,000 Unseated Str Wt./Lbs. 86,000
 Wt. Set Lbs. 54,000 Wt. Pulled Loose/Lbs. 100,000
 Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓
 Wt. Pipe I.D. — 2.7 Ft. Run
 Drill Collar — 2.25 Ft. Run 726 698
 Drill Pipe Size 4.5 Ft. Run 3772 3691

Blow Description STRONG BLOW Bu. IT TO BOTTOM OF BUCKET in 1min (20 Gas)
~~NO~~ BLOW BACK TO Surface
STRONG BLOW Bu. IT TO BOTTOM OF BUCKET Immediately w/ gas TO surface
Gas will Burn.

Recovery — Total Feet	Ft. in DC	Ft. in WP	Ft. in DP
Rec. <u>195</u>	Feet Of <u>51, gas cut mud</u>	10 % gas	% oil % water 90 % mud
Rec. <u> </u>	Feet Of <u> </u>	% gas	% oil % water % mud
Rec. <u> </u>	Feet Of <u> </u>	% gas	% oil % water % mud
Rec. <u> </u>	Feet Of <u> </u>	% gas	% oil % water % mud
Rec. <u> </u>	Feet Of <u> </u>	% gas	% oil % water % mud

BHT 115 °F Gravity °API D@ °F Corrected Gravity °API
 RW @ °F Chlorides ppm Recovery Chlorides 1400 ppm System

(A) Initial Hydrostatic Mud <u>2215</u>	PSI	Recorder No. <u>1033</u>	T-Started <u>11:40</u>
(B) First Initial Flow Pressure <u>44</u>	PSI	@ (depth) <u>4455</u>	T-Open <u>1:27</u>
(C) First Final Flow Pressure <u>75</u>	PSI	Recorder No. <u>3024</u>	T-Pulled <u>5:57</u>
(D) Initial Shut-in Pressure <u>841</u>	PSI	@ (depth) <u>4436</u>	T-Out <u> </u>
(E) Second Initial Flow Pressure <u>54</u>	PSI	Recorder No. <u> </u>	
(F) Second Final Flow Pressure <u>83</u>	PSI	@ (depth) <u> </u>	
(G) Final Shut-in Pressure <u>981</u>	PSI	Initial Opening <u>30</u>	Test <u>Conventional</u>
(H) Final Hydrostatic Mud <u>2128</u>	PSI	Initial Shut-in <u>60</u>	Jars <u>✓</u> <u>200</u>

Final Flow 60 Safety Joint ✓ 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 Ed Greaves

Our Representative Larry Small Jr. Rod Steinbrink

Circ. Sub ✓ N/C
 Sampler ✓ 200
 Extra Packer
 Elect. Rec. ✓ 150
 Other
 TOTAL PRICE \$ 1300



GAS VOLUME REPORT

1-1-11 B-2

OPERATOR

WELL NAME AND NO.

DST NO.

2 nd Open

Remarks:

TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 1937 Date 6-12-99
Company Name ANGDARKO PET. CO.
Lease Hill B2 Test No. 1
County Morton Sec. 17 Twp. 34S Rng. 41W

SAMPLER RECOVERY

Gas 3,100 ML
Oil _____ ML
Mud 900 ML
Water _____ ML
Other .32 CF GAS ML
Pressure 50 PSI
Total 4000 ML

PIT MUD ANALYSIS

Chlorides 1400 ppm.
Resistivity _____ ohms @ _____ F
Viscosity 49
Mud Weight 9.1
Filtrate 8.8
Other 32

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
Chlorides 1400 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.