

Computer Inventoried

CONFIDENTIAL

WELL NAME: Jessie "S"#3
COMPANY: Quinque Operating Company
LOCATION: 4-35S-30W
Meade County, Kansas
DATE: 1/26/98

KCC
MAY 14
CONFIDENTIAL

15-119-20987

RELEASED

SEP 28 1999

FROM CONFIDENTIAL

TRILOBITE TESTING L.L.C.

OPERATOR : Quinque Oper. Co.

DATE 1-20-98

WELL NAME: Jessie "S" #3

KB 2534.00 ft

TICKET NO: 10821 DST #1

LOCATION : 4-35s-30w

GR 2522.00 ft

FORMATION: K.C. "B"

INTERVAL : 4726.00 To 4737.00 ft

TD 4737.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 5 Rec.	13630	13630	Alpine			PF Fr. 0255 to 0300 hr
SI 30 Range(Psi)	4625.0	4625.0	5000.0	0.0	0.0	IS Fr. 0300 to 0330 hr
SF 30 Clock(hrs)	12 Hr	12 Hr	24 Hr			SF Fr. 0330 to 0400 hr
FS 90 Depth(ft)	4716.0	4716.0	4728.0	0.0	0.0	FS Fr. 0400 to 0530 hr

	Field	1	2	3	4
A. Init Hydro	2262.0	2288.0	2241.0	0.0	0.0
B. First Flow	18.0	20.0	189.0	0.0	0.0
B1. Final Flow	221.0	238.0	180.0	0.0	0.0
C. In Shut-in	1289.0	1318.0	1321.0	0.0	0.0
D. Init Flow	230.0	252.0	255.0	0.0	0.0
E. Final Flow	319.0	328.0	296.0	0.0	0.0
F. Fl Shut-in	1298.0	1310.0	1306.0	0.0	0.0
G. Final Hydro	2241.0	2253.0	2194.0	0.0	0.0
Inside/Outside	0	0	I		

T STARTED 0100 hr
T ON BOTM 0252 hr
T OPEN 0255 hr
T PULLED 0530 hr
T OUT 0900 hr

TOOL DATA-----

Tool Wt. 1800.00 lbs
Wt Set On Packer 22000.00 lbs
Wt Pulled Loose 20000.00 lbs
Initial Str Wt 86000.00 lbs
Unseated Str Wt 90000.00 lbs
Bot Choke 0.75 in
Hole Size 7.78 in
D Col. ID 2.25 in
D. Pipe ID 3.80 in
D.C. Length 623.00 ft
D.P. Length 4076.00 ft

RECOVERY

Tot Fluid 730.00 ft of 623.00 ft in DC and 107.00 ft in DP
3969.00 ft of Gas in pipe
90.00 ft of Slight Oil & Gas cut Mud 5%G 5%O 90%M
135.00 ft of Gassy Water with scum of Oil 4%G 96%W
505.00 ft of Gassy Salt Water 4%G 96%W
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
SALINITY 125000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:

Strong, off bottom of bucket
immediately-gas to surface in 5 min.

Initial Shut-in:

No blow back "slid tool 5"

Final Shut-in:

Strong off bottom of bucket blow back

MUD DATA-----

Mud Type Chemical
Weight 9.10 lb/cf
Vis. 50.00 S/L
W.L. 10.00 in3
F.C. 0.00 in
Mud Drop Y 20.0 ft

Amt. of fill 5.00 ft
Btm. H. Temp. 121.00 F
Hole Condition Fair
% Porosity 16.00
Packer Size 6.75 in
No. of Packers 2
Cushion Amt. 0.00
Cushion Type
Reversed Out N
Tool Chased N
Tester Lanny Saloga
Co. Rep. Gary Wilkens
Contr. Beredco
Rig # 4
Unit #
Pump T.

SAMPLES: One

SENT TO: Caraway

Test Successful: Y

GAS RECOVERY -----

COMPANY: Quinque Oper. Co.

DATE: 1-20-98

WELL NAME: Jessie "S" #3

KB Elev: 2534.00 ft TICKET #10821 DST #1

WELL LOCATION: 4-35s-30w

GR Elev: 2522.00 ft FORMATION: K.C. "B"

INTERVAL Fr.: 4726.00 To 4737.00 T.D.: 4737.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Merla Orifice

**** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.50	4	0	68800.0
10	0.50	8	0	101000.0
20	0.50	4	0	68800.0
30	0.50	1	0	33900.0

NATURAL GAS ANALYSIS REPORT

Sampled by:
Trilobite Testing, L. L. C.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 913-625-5620

Analyzed by:
Caraway Analytical, Inc
P. O. Box 2137
Liberal, Kansas 67905
Phone: 316-624-5389
Fax: 316-626-7108

Lab Number:	980067	Analyzed:	01/20/98
Sample From:	Jessie S-3 DST 1	Pressure:	
Producer:	Quinque Operating	Temperature:	
Date:	01/20/98	Location:	4-355-30W
Time:		County:	Meade
Sampler:	Lanny Saloga	State:	Kansas
Source:		Formation:	KC B

	Mole %	GPM
Helium	He: 0.180	0.000
Hydrogen	H2: 0.001	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 11.840	0.000
Carbon Dioxide	CO2: 0.248	0.000
Methane	C1: 69.086	0.000
Ethane	C2: 6.753	1.806
Propane	C3: 5.107	1.407
Iso Butane	iC4: 0.654	0.214
Normal Butane	nC4: 1.848	0.583
Iso Pentane	iC5: 0.554	0.203
Normal Pentane	nC5: 0.712	0.258
Hexanes Plus	C6+: 3.017	1.316

TOTAL: 100.000 5.787
 Z Fact: 0.9962
 SP.GR.: 0.8314
 BTU (SAT): 1218.7 @ 14.73 psia
 BTU (DRY): 1240.3 @ 14.73 psia
 OCTANE RATING: 105.4

COMMENTS:

0.000

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Jessie "S" #3

LOCATION : 4-35s-30w

TICKET No. 10821 D.S.T. No. 1 DATE 1-20-98

TOTAL TOOL TO BOTTOM OF TOP PACKERS 32

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 10

TOTAL TOOL 42

DRILL COLLAR ANCHOR IN INTERVAL

A.C. ANCHOR STAND.Stands Single Total

P.P. ANCHOR STAND.Stands Single Total

TOTAL ASSEMBLY

A.C. ABOVE TOOLS.Stands 7 Single Total 623

P.P. ABOVE TOOLS.Stands 43 Single 2 Total 4076

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4741

TOTAL DEPTH 4736

TOTAL DRILL PIPE ABOVE K.B. 5

REMARKS:

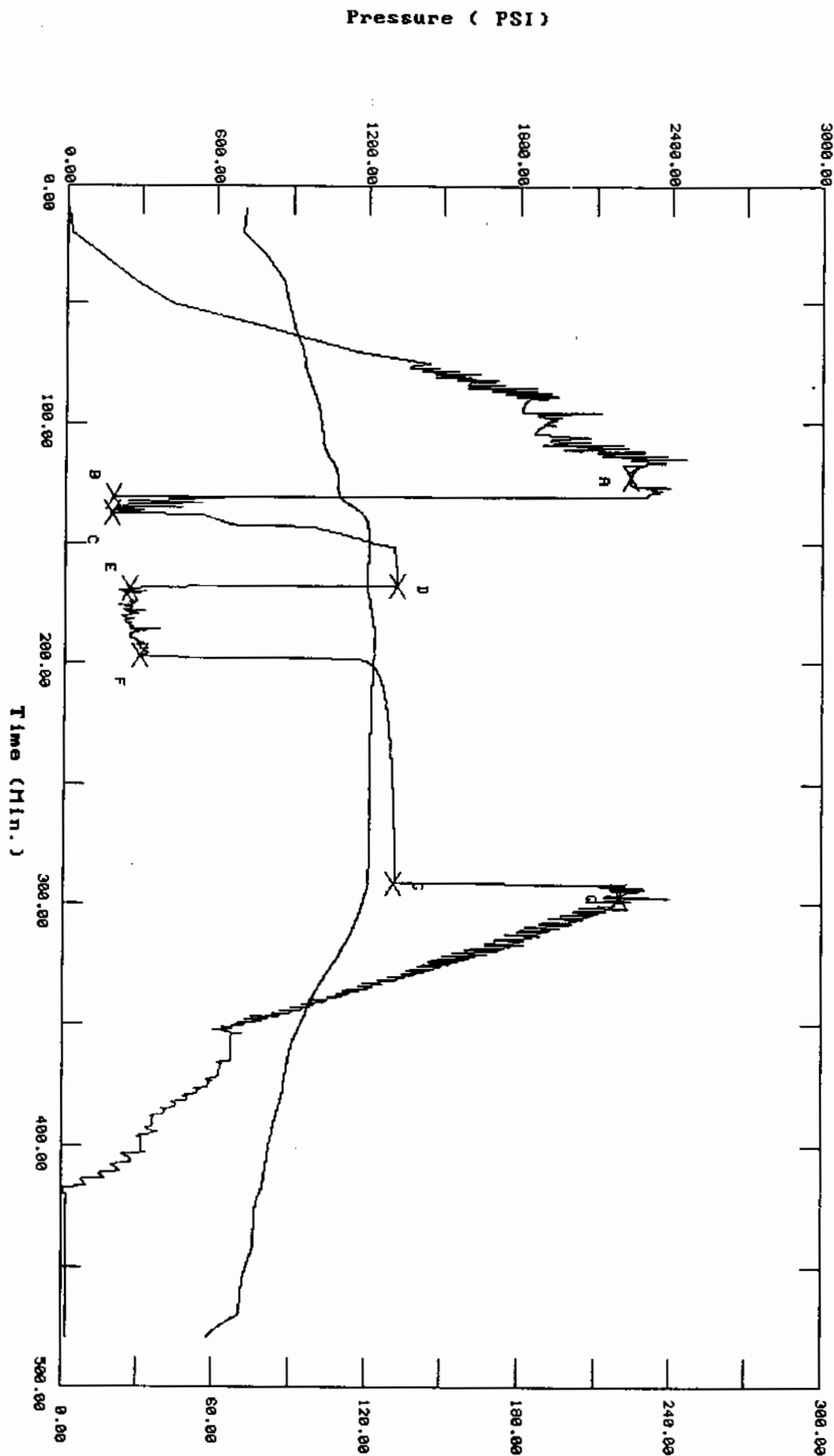
P.O. SUB Top of tool	4694
C.O. SUB Double pin	4695
S.I. TOOL H&T	4700
HMV H&T	4705
JARS WTC #414	4711
SAFETY JOINT Bowen	4713
AP Hanger	4717
PACKER Sparton	4722
PACKER Sparton	4726
DEPTH	
STUBB Rec. sub	4728
ANCHOR Alpine	4728
T.C.	
DEPTH	
PU sub	4733
1 ft. perf	4734
BULLNOSE	
T.D.	4736

10021 D.S.T.#1 Jessie "S" #3 Quinque Oper. Co.

TEST HISTORY

Flag Points

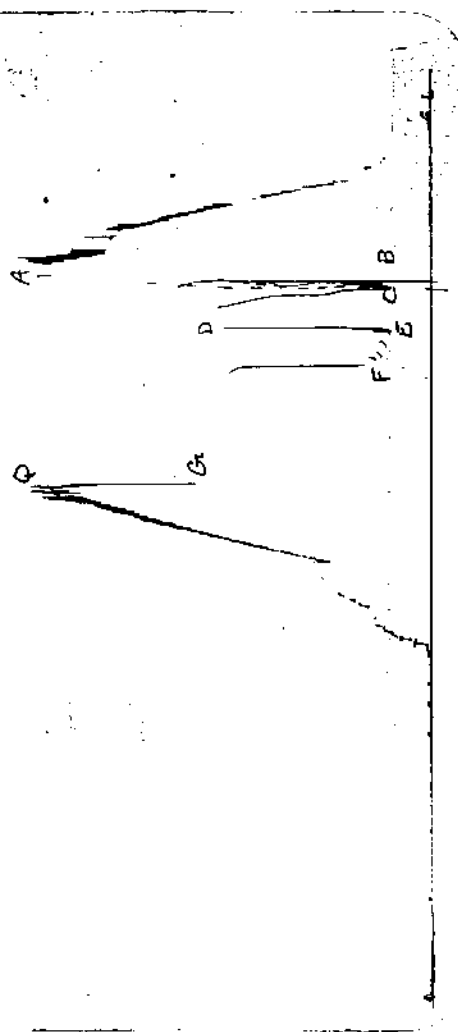
t(Min.)	P(PSI)
A: 0.00	2241.27
B: 0.00	189.94
C: 6.75	100.91
D: 30.50	1321.06
E: 0.00	235.85
F: 28.25	296.68
G: 94.00	1306.72
H: 0.00	2194.20



Temperature (DEG F)

CHART PAGE

13650 D571
Tissue "S" #3



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

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10821 D.S.T.#1 Jessie "S" #3 Quinque Oper. Co.

DATE: 01/20/98 TIME: 00:42:32

	Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	122.25	2241.3	0.0	107.79		
***** Start Flow 1	0.00	189.9	0.0	108.75		
	0.25	627.5	437.6	109.07		
	0.50	561.1	371.2	109.25		
	0.75	562.8	372.9	109.47		
	1.00	478.1	288.1	109.77		
	1.25	483.4	293.5	110.10		
	1.50	332.7	142.7	110.44		
	1.75	349.5	159.6	110.81		
	2.00	250.1	60.2	111.17		
	2.25	445.1	255.2	111.54		
	2.50	546.2	356.2	111.92		
	2.75	384.3	194.4	112.30		
	3.00	310.1	120.2	112.70		
	3.25	267.3	77.4	113.10		
	3.50	225.3	35.4	113.49		
	3.75	225.3	35.4	113.89		
	4.00	223.1	33.1	114.27		
	4.25	468.0	278.0	114.65		
	4.50	337.4	147.5	115.00		
	4.75	204.5	14.6	115.36		
	5.00	215.4	25.5	115.68		
	5.25	190.9	0.9	115.98		
	5.50	286.9	97.0	116.27		
	5.75	311.6	121.6	116.52		
	6.00	281.9	91.9	116.78		
	6.25	279.5	89.5	117.00		
	6.50	243.9	53.9	117.23		
***** End Flow 1	6.75	180.9	-9.0	117.45		
***** Start Shutin 1	0.00	180.9	0.0	117.45	0.0000	0.033
	0.25	315.1	134.2	117.67	28.0000	0.099
	0.50	480.5	299.6	117.87	14.5000	0.231
	0.75	529.0	348.1	118.06	10.0000	0.280
	1.00	553.6	372.7	118.27	7.7500	0.306
	1.25	566.7	385.8	118.45	6.4000	0.321
	1.50	574.5	393.6	118.65	5.5000	0.330
	1.75	580.5	399.6	118.78	4.8571	0.337
	2.00	585.6	404.7	118.94	4.3750	0.343
	2.25	593.3	412.4	119.09	4.0000	0.352
	2.50	601.6	420.7	119.22	3.7000	0.362
	2.75	609.1	428.2	119.33	3.4545	0.371
	3.00	616.4	435.5	119.45	3.2500	0.380
	3.25	623.3	442.4	119.54	3.0769	0.389
	3.50	630.9	450.0	119.64	2.9286	0.398
	3.75	639.6	458.7	119.71	2.8000	0.409
	4.00	648.7	467.8	119.79	2.6875	0.421
	4.25	658.1	477.2	119.86	2.5882	0.433
	4.50	667.4	486.5	119.92	2.5000	0.445
	4.75	676.2	495.3	119.97	2.4211	0.457
	5.00	684.6	503.6	120.03	2.3500	0.469
	5.25	851.4	670.5	120.08	2.2857	0.725

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10821 D.S.T.#1 Jessie "S" #3 Quinque Oper. Co.

DATE: 01/20/98 TIME: 00:42:32

Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P^2/10^6
5.50	966.2	785.3	120.11	2.2273	0.934
5.75	990.9	810.0	120.13	2.1739	0.982
6.00	997.4	816.5	120.17	2.1250	0.995
6.25	1005.5	824.6	120.21	2.0800	1.011
6.50	1014.4	833.5	120.24	2.0385	1.029
6.75	1023.9	843.0	120.27	2.0000	1.048
7.00	1033.1	852.2	120.30	1.9643	1.067
7.25	1042.5	861.6	120.33	1.9310	1.087
7.50	1051.6	870.7	120.36	1.9000	1.106
7.75	1060.6	879.7	120.39	1.8710	1.125
8.00	1069.9	889.0	120.40	1.8438	1.145
8.25	1079.3	898.4	120.43	1.8182	1.165
8.50	1088.7	907.8	120.45	1.7941	1.185
8.75	1097.9	917.0	120.46	1.7714	1.205
9.00	1107.1	926.2	120.47	1.7500	1.226
9.25	1116.1	935.2	120.48	1.7297	1.246
9.50	1125.1	944.2	120.49	1.7105	1.266
9.75	1134.2	953.3	120.50	1.6923	1.286
10.00	1143.2	962.3	120.51	1.6750	1.307
10.25	1152.0	971.1	120.52	1.6585	1.327
10.50	1160.7	979.8	120.51	1.6429	1.347
10.75	1169.2	988.3	120.53	1.6279	1.367
11.00	1177.7	996.8	120.52	1.6136	1.387
11.25	1186.0	1005.1	120.54	1.6000	1.407
11.50	1194.2	1013.3	120.54	1.5870	1.426
11.75	1202.3	1021.4	120.54	1.5745	1.446
12.00	1210.2	1029.3	120.54	1.5625	1.465
12.25	1218.1	1037.2	120.54	1.5510	1.484
12.50	1225.9	1045.0	120.54	1.5400	1.503
12.75	1233.5	1052.6	120.55	1.5294	1.521
13.00	1241.6	1060.7	120.54	1.5192	1.542
13.25	1250.0	1069.1	120.54	1.5094	1.563
13.50	1262.8	1081.9	120.53	1.5000	1.595
13.75	1295.4	1114.5	120.54	1.4909	1.678
14.00	1304.3	1123.3	120.52	1.4821	1.701
14.25	1305.2	1124.3	120.52	1.4737	1.704
14.50	1306.0	1125.1	120.51	1.4655	1.706
14.75	1306.5	1125.6	120.51	1.4576	1.707
15.00	1307.0	1126.1	120.51	1.4500	1.708
15.25	1307.6	1126.7	120.50	1.4426	1.710
15.50	1308.0	1127.1	120.50	1.4355	1.711
15.75	1308.5	1127.6	120.50	1.4286	1.712
16.00	1308.9	1128.0	120.49	1.4219	1.713
16.25	1309.3	1128.4	120.48	1.4154	1.714
16.50	1309.7	1128.8	120.48	1.4091	1.715
16.75	1310.0	1129.1	120.46	1.4030	1.716
17.00	1310.4	1129.5	120.45	1.3971	1.717
17.25	1310.7	1129.8	120.44	1.3913	1.718
17.50	1311.1	1130.2	120.43	1.3857	1.719
17.75	1311.4	1130.5	120.42	1.3803	1.720
18.00	1311.8	1130.9	120.40	1.3750	1.721

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10821 D.S.T.#1 Jessie "S" #3 Quinque Oper. Co.

DATE: 01/20/98 TIME: 00:42:32

Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P^2/10^6
18.25	1312.1	1131.2	120.40	1.3699	1.722
18.50	1312.4	1131.5	120.38	1.3649	1.722
18.75	1312.7	1131.8	120.36	1.3600	1.723
19.00	1313.0	1132.1	120.35	1.3553	1.724
19.25	1313.3	1132.4	120.34	1.3506	1.725
19.50	1313.5	1132.6	120.33	1.3462	1.725
19.75	1313.8	1132.9	120.30	1.3418	1.726
20.00	1314.1	1133.2	120.28	1.3375	1.727
20.25	1314.4	1133.5	120.27	1.3333	1.728
20.50	1314.6	1133.7	120.25	1.3293	1.728
20.75	1314.9	1134.0	120.23	1.3253	1.729
21.00	1315.1	1134.2	120.21	1.3214	1.730
21.25	1315.4	1134.5	120.20	1.3176	1.730
21.50	1315.6	1134.7	120.19	1.3140	1.731
21.75	1315.8	1134.9	120.18	1.3103	1.731
22.00	1316.0	1135.1	120.17	1.3068	1.732
22.25	1316.3	1135.4	120.14	1.3034	1.733
22.50	1316.5	1135.6	120.14	1.3000	1.733
22.75	1316.7	1135.8	120.11	1.2967	1.734
23.00	1316.9	1136.0	120.10	1.2935	1.734
23.25	1317.1	1136.2	120.08	1.2903	1.735
23.50	1317.3	1136.4	120.07	1.2872	1.735
23.75	1317.5	1136.6	120.05	1.2842	1.736
24.00	1317.8	1136.8	120.05	1.2812	1.736
24.25	1317.9	1137.0	120.04	1.2784	1.737
24.50	1318.1	1137.2	120.02	1.2755	1.737
24.75	1318.3	1137.4	120.01	1.2727	1.738
25.00	1318.5	1137.6	119.99	1.2700	1.738
25.25	1318.7	1137.7	119.98	1.2673	1.739
25.50	1318.9	1137.9	119.97	1.2647	1.739
25.75	1319.0	1138.1	119.97	1.2621	1.740
26.00	1319.2	1138.3	119.95	1.2596	1.740
26.25	1319.4	1138.4	119.94	1.2571	1.741
26.50	1319.5	1138.6	119.94	1.2547	1.741
26.75	1319.7	1138.8	119.93	1.2523	1.742
27.00	1319.9	1139.0	119.92	1.2500	1.742
27.25	1320.0	1139.1	119.91	1.2477	1.742
27.50	1320.2	1139.2	119.90	1.2455	1.743
27.75	1320.3	1139.4	119.90	1.2432	1.743
28.00	1320.5	1139.5	119.89	1.2411	1.744
28.25	1320.6	1139.7	119.89	1.2389	1.744
28.50	1320.8	1139.9	119.88	1.2368	1.744
28.75	1320.9	1140.0	119.87	1.2348	1.745
29.00	1321.1	1140.2	119.86	1.2328	1.745
29.25	1321.2	1140.3	119.86	1.2308	1.746
29.50	1321.3	1140.4	119.85	1.2288	1.746
29.75	1321.5	1140.6	119.85	1.2269	1.746
30.00	1321.6	1140.7	119.84	1.2250	1.747
30.25	1321.8	1140.9	119.83	1.2231	1.747
30.50	1321.9	1141.0	119.83	1.2213	1.747

***** End Shut-in 1

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

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DATE: 01/20/98 TIME: 00:42:32

	Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Start Flow 2	0.00	255.8	0.0	119.89		
	0.25	291.2	35.4	119.92		
	0.50	244.7	-11.2	119.97		
	0.75	216.2	-39.7	120.03		
	1.00	220.1	-35.8	120.08		
	1.25	320.7	64.9	120.13		
	1.50	225.5	-30.4	120.20		
	1.75	296.4	40.6	120.27		
	2.00	238.5	-17.4	120.34		
	2.25	246.8	-9.1	120.41		
	2.50	252.5	-3.3	120.47		
	2.75	240.1	-15.7	120.52		
	3.00	244.1	-11.8	120.58		
	3.25	248.7	-7.1	120.64		
	3.50	249.8	-6.1	120.70		
	3.75	253.9	-2.0	120.75		
	4.00	257.4	1.5	120.80		
	4.25	257.7	1.8	120.85		
	4.50	258.9	3.0	120.89		
	4.75	256.4	0.6	120.94		
	5.00	267.4	11.5	120.99		
	5.25	267.7	11.9	121.03		
	5.50	268.3	12.5	121.07		
	5.75	255.2	-0.7	121.09		
	6.00	283.1	27.2	121.13		
	6.25	273.1	17.2	121.16		
	6.50	272.5	16.7	121.18		
	6.75	257.9	2.1	121.21		
	7.00	216.1	-39.7	121.23		
	7.25	224.4	-31.4	121.26		
	7.50	256.1	0.3	121.28		
	7.75	235.0	-20.8	121.31		
	8.00	266.1	10.3	121.35		
	8.25	269.1	13.2	121.38		
	8.50	261.0	5.1	121.42		
	8.75	263.9	8.1	121.45		
	9.00	247.3	-8.6	121.47		
	9.25	229.3	-26.6	121.53		
	9.50	235.6	-20.2	121.56		
	9.75	318.5	62.6	121.61		
	10.00	250.7	-5.1	121.65		
	10.25	258.4	2.5	121.70		
	10.50	277.7	21.9	121.76		
	10.75	292.5	36.6	121.81		
	11.00	274.3	18.4	121.85		
	11.25	249.3	-6.5	121.89		
	11.50	263.8	7.9	121.93		
	11.75	228.5	-27.4	121.97		
	12.00	238.8	-17.0	122.01		
	12.25	238.0	-17.8	122.06		
	12.50	241.8	-14.1	122.09		
	12.75	249.0	-6.8	122.14		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10821 D.S.T.#1 Jessie "S" #3 Quinque Oper. Co.

DATE: 01/20/98 TIME: 00:42:32

Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P^2/10^6
13.00	273.1	17.2	122.20		
13.25	246.3	-9.5	122.24		
13.50	239.5	-16.3	122.28		
13.75	235.5	-20.4	122.33		
14.00	236.4	-19.4	122.38		
14.25	238.0	-17.8	122.42		
14.50	246.4	-9.4	122.46		
14.75	263.1	7.3	122.49		
15.00	258.5	2.6	122.52		
15.25	256.1	0.3	122.56		
15.50	255.7	-0.1	122.59		
15.75	257.9	2.0	122.62		
16.00	259.0	3.1	122.66		
16.25	269.5	13.7	122.68		
16.50	257.9	2.1	122.71		
16.75	267.3	11.5	122.74		
17.00	264.4	8.5	122.77		
17.25	265.5	9.6	122.81		
17.50	373.9	118.0	122.83		
17.75	281.9	26.1	122.85		
18.00	283.0	27.2	122.86		
18.25	271.5	15.7	122.86		
18.50	271.5	15.7	122.85		
18.75	293.6	37.8	122.84		
19.00	257.8	1.9	122.83		
19.25	262.7	6.8	122.82		
19.50	261.8	6.0	122.80		
19.75	261.9	6.1	122.78		
20.00	262.4	6.6	122.78		
20.25	262.2	6.3	122.77		
20.50	258.5	2.6	122.75		
20.75	268.1	12.2	122.75		
21.00	267.5	11.7	122.74		
21.25	271.3	15.5	122.73		
21.50	277.3	21.4	122.71		
21.75	283.1	27.3	122.70		
22.00	283.4	27.6	122.70		
22.25	293.6	37.8	122.69		
22.50	285.4	29.5	122.68		
22.75	295.3	39.4	122.68		
23.00	307.0	51.2	122.68		
23.25	313.0	57.2	122.69		
23.50	287.7	31.9	122.70		
23.75	288.2	32.3	122.72		
24.00	296.0	40.2	122.72		
24.25	295.6	39.8	122.74		
24.50	297.7	41.9	122.75		
24.75	298.8	42.9	122.76		
25.00	298.1	42.2	122.77		
25.25	297.4	41.5	122.78		
25.50	314.9	59.0	122.78		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: 10821 D.S.T.#1 Jessie "S" #3 Quinque Oper. Co.
 DATE: 01/20/98 TIME: 00:42:32

	Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P^2/10^6
	25.75	327.8	72.0	122.77		
	26.00	311.7	55.9	122.77		
	26.25	311.5	55.6	122.77		
	26.50	330.6	74.8	122.78		
	26.75	313.7	57.9	122.77		
	27.00	321.4	65.5	122.77		
	27.25	323.2	67.4	122.76		
	27.50	331.4	75.5	122.76		
	27.75	320.0	64.2	122.75		
***** End Flow 2	28.00	292.8	36.9	122.74		
	28.25	296.6	40.8	122.73		
***** Start Shutin 2	0.00	296.6	0.0	122.73	0.0000	0.088
	0.25	311.3	14.7	122.72	141.0000	0.097
	0.50	343.1	46.5	122.71	71.0000	0.118
	0.75	561.1	264.5	122.69	47.6667	0.315
	1.00	779.6	483.0	122.67	36.0000	0.608
	1.25	989.3	692.7	122.64	29.0000	0.979
	1.50	1133.2	836.6	122.63	24.3333	1.284
	1.75	1174.8	878.2	122.62	21.0000	1.380
	2.00	1184.4	887.8	122.60	18.5000	1.403
	2.25	1191.5	894.9	122.60	16.5556	1.420
	2.50	1197.2	900.6	122.58	15.0000	1.433
	2.75	1202.1	905.5	122.57	13.7273	1.445
	3.00	1206.3	909.7	122.58	12.6667	1.455
	3.25	1210.0	913.4	122.57	11.7692	1.464
	3.50	1213.4	916.8	122.56	11.0000	1.472
	3.75	1216.4	919.8	122.55	10.3333	1.480
	4.00	1219.2	922.6	122.54	9.7500	1.486
	4.25	1221.7	925.1	122.53	9.2353	1.493
	4.50	1224.1	927.5	122.52	8.7778	1.499
	4.75	1226.3	929.7	122.51	8.3684	1.504
	5.00	1228.4	931.8	122.48	8.0000	1.509
	5.25	1230.3	933.7	122.48	7.6667	1.514
	5.50	1232.2	935.6	122.46	7.3636	1.518
	5.75	1233.9	937.3	122.44	7.0870	1.523
	6.00	1235.5	938.9	122.44	6.8333	1.527
	6.25	1237.1	940.5	122.42	6.6000	1.530
	6.50	1238.6	942.0	122.40	6.3846	1.534
	6.75	1240.0	943.4	122.39	6.1852	1.538
	7.00	1241.4	944.8	122.38	6.0000	1.541
	7.25	1242.7	946.1	122.36	5.8276	1.544
	7.50	1243.9	947.3	122.34	5.6667	1.547
	7.75	1245.2	948.6	122.32	5.5161	1.550
	8.00	1246.4	949.8	122.31	5.3750	1.553
	8.25	1247.5	950.9	122.28	5.2424	1.556
	8.50	1248.5	951.9	122.26	5.1176	1.559
	8.75	1249.6	953.0	122.26	5.0000	1.561
	9.00	1250.6	954.0	122.24	4.8889	1.564
	9.25	1251.6	955.0	122.23	4.7838	1.567
	9.50	1252.5	955.9	122.21	4.6842	1.569
	9.75	1253.5	956.9	122.19	4.5897	1.571

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10821 D.S.T.#1 Jessie "S" #3 Quinque Oper. Co.

DATE: 01/20/98 TIME: 00:42:32

Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P^2/10^6
10.00	1254.3	957.7	122.17	4.5000	1.573
10.25	1255.2	958.6	122.15	4.4146	1.576
10.50	1256.0	959.4	122.14	4.3333	1.578
10.75	1256.9	960.3	122.13	4.2558	1.580
11.00	1257.7	961.1	122.11	4.1818	1.582
11.25	1258.5	961.9	122.09	4.1111	1.584
11.50	1259.2	962.6	122.07	4.0435	1.586
11.75	1260.0	963.4	122.06	3.9787	1.587
12.00	1260.7	964.1	122.03	3.9167	1.589
12.25	1261.4	964.8	122.02	3.8571	1.591
12.50	1262.1	965.5	122.00	3.8000	1.593
12.75	1262.7	966.1	121.99	3.7451	1.595
13.00	1263.4	966.8	121.97	3.6923	1.596
13.25	1264.0	967.4	121.96	3.6415	1.598
13.50	1264.7	968.1	121.94	3.5926	1.599
13.75	1265.2	968.6	121.92	3.5455	1.601
14.00	1265.8	969.2	121.92	3.5000	1.602
14.25	1266.4	969.8	121.90	3.4561	1.604
14.50	1267.0	970.4	121.89	3.4138	1.605
14.75	1267.6	971.0	121.87	3.3729	1.607
15.00	1268.1	971.5	121.85	3.3333	1.608
15.25	1268.7	972.1	121.85	3.2951	1.610
15.50	1269.2	972.6	121.84	3.2581	1.611
15.75	1269.7	973.1	121.84	3.2222	1.612
16.00	1270.2	973.6	121.82	3.1875	1.613
16.25	1270.7	974.1	121.81	3.1538	1.615
16.50	1271.2	974.6	121.79	3.1212	1.616
16.75	1271.7	975.1	121.79	3.0896	1.617
17.00	1272.2	975.5	121.79	3.0588	1.618
17.25	1272.6	976.0	121.78	3.0290	1.620
17.50	1273.1	976.5	121.77	3.0000	1.621
17.75	1273.5	976.9	121.77	2.9718	1.622
18.00	1274.0	977.3	121.75	2.9444	1.623
18.25	1274.4	977.8	121.75	2.9178	1.624
18.50	1274.8	978.2	121.73	2.8919	1.625
18.75	1275.2	978.6	121.73	2.8667	1.626
19.00	1275.6	979.0	121.73	2.8421	1.627
19.25	1276.1	979.5	121.72	2.8182	1.628
19.50	1276.5	979.9	121.71	2.7949	1.629
19.75	1276.8	980.2	121.71	2.7722	1.630
20.00	1277.2	980.6	121.69	2.7500	1.631
20.25	1277.6	981.0	121.69	2.7284	1.632
20.50	1278.0	981.4	121.68	2.7073	1.633
20.75	1278.4	981.8	121.67	2.6867	1.634
21.00	1278.7	982.1	121.66	2.6667	1.635
21.25	1279.1	982.5	121.65	2.6471	1.636
21.50	1279.4	982.8	121.66	2.6279	1.637
21.75	1279.8	983.2	121.64	2.6092	1.638
22.00	1280.1	983.5	121.63	2.5909	1.639
22.25	1280.4	983.8	121.64	2.5730	1.640
22.50	1280.8	984.2	121.62	2.5556	1.640

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10821 D.S.T.#1 Jessie "S" #3 Quinque Oper. Co.

DATE: 01/20/98

TIME: 00:42:32

Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P^2/10^6
22.75	1281.1	984.5	121.62	2.5385	1.641
23.00	1281.4	984.8	121.61	2.5217	1.642
23.25	1281.8	985.2	121.61	2.5054	1.643
23.50	1282.1	985.5	121.60	2.4894	1.644
23.75	1282.4	985.8	121.59	2.4737	1.645
24.00	1282.7	986.1	121.59	2.4583	1.645
24.25	1283.0	986.4	121.58	2.4433	1.646
24.50	1283.3	986.7	121.58	2.4286	1.647
24.75	1283.6	987.0	121.58	2.4141	1.648
25.00	1283.9	987.3	121.58	2.4000	1.648
25.25	1284.2	987.6	121.56	2.3861	1.649
25.50	1284.5	987.9	121.56	2.3725	1.650
25.75	1284.8	988.2	121.55	2.3592	1.651
26.00	1285.1	988.5	121.54	2.3462	1.651
26.25	1285.3	988.7	121.55	2.3333	1.652
26.50	1285.6	989.0	121.54	2.3208	1.653
26.75	1285.8	989.2	121.54	2.3084	1.653
27.00	1286.1	989.5	121.52	2.2963	1.654
27.25	1286.4	989.8	121.51	2.2844	1.655
27.50	1286.6	990.0	121.51	2.2727	1.655
27.75	1286.9	990.3	121.50	2.2613	1.656
28.00	1287.2	990.5	121.50	2.2500	1.657
28.25	1287.4	990.8	121.50	2.2389	1.657
28.50	1287.7	991.1	121.48	2.2281	1.658
28.75	1287.9	991.3	121.49	2.2174	1.659
29.00	1288.2	991.5	121.47	2.2069	1.659
29.25	1288.4	991.8	121.47	2.1966	1.660
29.50	1288.6	992.0	121.47	2.1864	1.661
29.75	1288.9	992.2	121.46	2.1765	1.661
30.00	1289.1	992.5	121.47	2.1667	1.662
30.25	1289.3	992.7	121.45	2.1570	1.662
30.50	1289.5	992.9	121.45	2.1475	1.663
30.75	1289.8	993.2	121.44	2.1382	1.664
31.00	1290.0	993.4	121.43	2.1290	1.664
31.25	1290.2	993.6	121.43	2.1200	1.665
31.50	1290.5	993.9	121.43	2.1111	1.665
31.75	1290.6	994.0	121.43	2.1024	1.666
32.00	1290.9	994.3	121.42	2.0938	1.666
32.25	1291.1	994.5	121.42	2.0853	1.667
32.50	1291.3	994.7	121.41	2.0769	1.667
32.75	1291.5	994.9	121.41	2.0687	1.668
33.00	1291.7	995.1	121.42	2.0606	1.669
33.25	1291.9	995.3	121.41	2.0526	1.669
33.50	1292.1	995.5	121.41	2.0448	1.670
33.75	1292.3	995.7	121.40	2.0370	1.670
34.00	1292.5	995.9	121.39	2.0294	1.671
34.25	1292.7	996.1	121.40	2.0219	1.671
34.50	1292.9	996.3	121.39	2.0145	1.672
34.75	1293.1	996.5	121.39	2.0072	1.672
35.00	1293.3	996.7	121.38	2.0000	1.673
35.25	1293.5	996.9	121.37	1.9929	1.673

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10821 D.S.T.#1 Jessie "S" #3 Quinque Oper. Co.

DATE: 01/20/98 TIME: 00:42:32

Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P^2/10^6
35.50	1293.7	997.1	121.37	1.9859	1.674
35.75	1293.9	997.3	121.37	1.9790	1.674
36.00	1294.0	997.4	121.37	1.9722	1.675
36.25	1294.2	997.6	121.36	1.9655	1.675
36.50	1294.4	997.8	121.36	1.9589	1.675
36.75	1294.6	998.0	121.36	1.9524	1.676
37.00	1294.8	998.2	121.34	1.9459	1.676
37.25	1294.9	998.3	121.34	1.9396	1.677
37.50	1295.1	998.5	121.34	1.9333	1.677
37.75	1295.3	998.7	121.35	1.9272	1.678
38.00	1295.5	998.9	121.34	1.9211	1.678
38.25	1295.6	999.0	121.33	1.9150	1.679
38.50	1295.8	999.2	121.33	1.9091	1.679
38.75	1296.0	999.4	121.32	1.9032	1.680
39.00	1296.2	999.6	121.32	1.8974	1.680
39.25	1296.3	999.7	121.32	1.8917	1.680
39.50	1296.5	999.9	121.32	1.8861	1.681
39.75	1296.6	1000.0	121.32	1.8805	1.681
40.00	1296.8	1000.2	121.32	1.8750	1.682
40.25	1297.0	1000.4	121.31	1.8696	1.682
40.50	1297.1	1000.5	121.31	1.8642	1.683
40.75	1297.3	1000.7	121.32	1.8589	1.683
41.00	1297.4	1000.8	121.31	1.8537	1.683
41.25	1297.6	1001.0	121.31	1.8485	1.684
41.50	1297.7	1001.1	121.30	1.8434	1.684
41.75	1297.9	1001.3	121.31	1.8383	1.685
42.00	1298.0	1001.4	121.31	1.8333	1.685
42.25	1298.2	1001.6	121.31	1.8284	1.685
42.50	1298.3	1001.7	121.29	1.8235	1.686
42.75	1298.5	1001.9	121.29	1.8187	1.686
43.00	1298.7	1002.1	121.28	1.8140	1.687
43.25	1298.8	1002.2	121.29	1.8092	1.687
43.50	1298.9	1002.3	121.29	1.8046	1.687
43.75	1299.1	1002.5	121.29	1.8000	1.688
44.00	1299.2	1002.6	121.29	1.7955	1.688
44.25	1299.4	1002.8	121.29	1.7910	1.688
44.50	1299.5	1002.9	121.29	1.7865	1.689
44.75	1299.7	1003.1	121.28	1.7821	1.689
45.00	1299.8	1003.2	121.28	1.7778	1.690
45.25	1299.9	1003.3	121.28	1.7735	1.690
45.50	1300.1	1003.5	121.28	1.7692	1.690
45.75	1300.2	1003.6	121.28	1.7650	1.691
46.00	1300.3	1003.7	121.29	1.7609	1.691
46.25	1300.5	1003.9	121.28	1.7568	1.691
46.50	1300.6	1004.0	121.28	1.7527	1.692
46.75	1300.7	1004.1	121.28	1.7487	1.692
47.00	1300.9	1004.3	121.28	1.7447	1.692
47.25	1301.0	1004.4	121.28	1.7407	1.693
47.50	1301.1	1004.5	121.28	1.7368	1.693
47.75	1301.2	1004.6	121.28	1.7330	1.693
48.00	1301.4	1004.8	121.27	1.7292	1.694

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10821 D.S.T.#1 Jessie "S" #3 Quinque Oper. Co.

DATE: 01/20/98 TIME: 00:42:32

Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
48.25	1301.5	1004.9	121.28	1.7254	1.694
48.50	1301.7	1005.0	121.29	1.7216	1.694
48.75	1301.8	1005.2	121.28	1.7179	1.695
49.00	1301.9	1005.3	121.28	1.7143	1.695
49.25	1302.0	1005.4	121.28	1.7107	1.695
49.50	1302.1	1005.5	121.27	1.7071	1.696
49.75	1302.3	1005.7	121.27	1.7035	1.696
50.00	1302.4	1005.8	121.27	1.7000	1.696
50.25	1302.5	1005.9	121.27	1.6965	1.697
50.50	1302.6	1006.0	121.27	1.6931	1.697
50.75	1302.7	1006.1	121.27	1.6897	1.697
51.00	1302.9	1006.2	121.27	1.6863	1.697
51.25	1303.0	1006.4	121.26	1.6829	1.698
51.50	1303.1	1006.5	121.27	1.6796	1.698
51.75	1303.2	1006.6	121.27	1.6763	1.698
52.00	1303.3	1006.7	121.27	1.6731	1.699
52.25	1303.5	1006.8	121.27	1.6699	1.699
52.50	1303.6	1006.9	121.26	1.6667	1.699
52.75	1303.7	1007.1	121.26	1.6635	1.700
53.00	1303.8	1007.2	121.26	1.6604	1.700
53.25	1303.9	1007.3	121.26	1.6573	1.700
53.50	1304.0	1007.4	121.26	1.6542	1.700
53.75	1304.1	1007.5	121.25	1.6512	1.701
54.00	1304.2	1007.6	121.26	1.6481	1.701
54.25	1304.3	1007.7	121.25	1.6452	1.701
54.50	1304.5	1007.9	121.25	1.6422	1.702
54.75	1304.6	1008.0	121.24	1.6393	1.702
55.00	1304.7	1008.1	121.25	1.6364	1.702
55.25	1304.8	1008.2	121.23	1.6335	1.702
55.50	1304.9	1008.3	121.25	1.6306	1.703
55.75	1305.0	1008.4	121.23	1.6278	1.703
56.00	1305.1	1008.5	121.25	1.6250	1.703
56.25	1305.2	1008.6	121.24	1.6222	1.704
56.50	1305.3	1008.7	121.23	1.6195	1.704
56.75	1305.4	1008.8	121.24	1.6167	1.704
57.00	1305.5	1008.9	121.23	1.6140	1.704
57.25	1305.6	1009.0	121.22	1.6114	1.705
57.50	1305.7	1009.1	121.22	1.6087	1.705
57.75	1305.8	1009.2	121.21	1.6061	1.705
58.00	1305.9	1009.3	121.22	1.6034	1.705
58.25	1306.0	1009.4	121.21	1.6009	1.706
58.50	1306.1	1009.5	121.21	1.5983	1.706
58.75	1306.2	1009.6	121.20	1.5957	1.706
59.00	1306.3	1009.7	121.21	1.5932	1.706
59.25	1306.4	1009.8	121.19	1.5907	1.707
59.50	1306.5	1009.9	121.21	1.5882	1.707
59.75	1306.6	1010.0	121.18	1.5858	1.707
60.00	1306.7	1010.1	121.19	1.5833	1.707
60.25	1306.8	1010.2	121.18	1.5809	1.708
60.50	1306.9	1010.3	121.17	1.5785	1.708
60.75	1307.0	1010.4	121.17	1.5761	1.708

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10821 D.S.T.#1 Jessie "S" #3 Quinque Oper. Co.

DATE: 01/20/98 TIME: 00:42:32

Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P^2/10^6
61.00	1307.1	1010.5	121.16	1.5738	1.708
61.25	1307.2	1010.6	121.16	1.5714	1.709
61.50	1307.3	1010.7	121.16	1.5691	1.709
61.75	1307.4	1010.8	121.14	1.5668	1.709
62.00	1307.4	1010.8	121.14	1.5645	1.709
62.25	1307.5	1010.9	121.14	1.5622	1.710
62.50	1307.6	1011.0	121.13	1.5600	1.710
62.75	1307.7	1011.1	121.12	1.5578	1.710
63.00	1307.8	1011.2	121.13	1.5556	1.710
63.25	1307.9	1011.3	121.12	1.5534	1.711
63.50	1308.0	1011.4	121.11	1.5512	1.711
63.75	1308.1	1011.5	121.10	1.5490	1.711
64.00	1308.2	1011.6	121.11	1.5469	1.711
64.25	1308.2	1011.6	121.10	1.5447	1.711
64.50	1308.3	1011.7	121.09	1.5426	1.712
64.75	1308.4	1011.8	121.09	1.5405	1.712
65.00	1308.5	1011.9	121.08	1.5385	1.712
65.25	1308.6	1012.0	121.08	1.5364	1.712
65.50	1308.7	1012.1	121.08	1.5344	1.713
65.75	1308.8	1012.2	121.07	1.5323	1.713
66.00	1308.8	1012.2	121.06	1.5303	1.713
66.25	1308.9	1012.3	121.07	1.5283	1.713
66.50	1309.0	1012.4	121.06	1.5263	1.713
66.75	1309.1	1012.5	121.06	1.5243	1.714
67.00	1309.2	1012.6	121.05	1.5224	1.714
67.25	1309.2	1012.6	121.04	1.5204	1.714
67.50	1309.3	1012.7	121.05	1.5185	1.714
67.75	1309.4	1012.8	121.03	1.5166	1.714
68.00	1309.5	1012.9	121.02	1.5147	1.715
68.25	1309.6	1013.0	121.03	1.5128	1.715
68.50	1309.6	1013.0	121.02	1.5109	1.715
68.75	1309.7	1013.1	121.01	1.5091	1.715
69.00	1309.8	1013.2	121.01	1.5072	1.716
69.25	1309.9	1013.3	121.01	1.5054	1.716
69.50	1310.0	1013.4	121.01	1.5036	1.716
69.75	1310.0	1013.4	121.00	1.5018	1.716
70.00	1310.1	1013.5	121.00	1.5000	1.716
70.25	1310.2	1013.6	120.99	1.4982	1.717
70.50	1310.3	1013.7	120.98	1.4965	1.717
70.75	1310.3	1013.7	120.99	1.4947	1.717
71.00	1310.4	1013.8	120.98	1.4930	1.717
71.25	1310.5	1013.9	120.98	1.4912	1.717
71.50	1310.6	1014.0	120.97	1.4895	1.718
71.75	1310.6	1014.0	120.97	1.4878	1.718
72.00	1310.7	1014.1	120.96	1.4861	1.718
72.25	1310.8	1014.2	120.96	1.4844	1.718
72.50	1310.9	1014.3	120.96	1.4828	1.718
72.75	1310.9	1014.3	120.96	1.4811	1.719
73.00	1311.0	1014.4	120.95	1.4795	1.719
73.25	1311.1	1014.5	120.95	1.4778	1.719
73.50	1311.1	1014.5	120.95	1.4762	1.719

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10821 D.S.T.#1 Jessie "S" #3 Quinque Oper. Co.

DATE: 01/20/98 TIME: 00:42:32

Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P^2/10^6
73.75	1311.2	1014.6	120.95	1.4746	1.719
74.00	1311.3	1014.7	120.95	1.4730	1.719
74.25	1311.3	1014.7	120.94	1.4714	1.720
74.50	1311.4	1014.8	120.95	1.4698	1.720
74.75	1311.5	1014.9	120.94	1.4682	1.720
75.00	1311.6	1015.0	120.93	1.4667	1.720
75.25	1311.6	1015.0	120.93	1.4651	1.720
75.50	1311.7	1015.1	120.93	1.4636	1.721
75.75	1311.8	1015.2	120.93	1.4620	1.721
76.00	1311.8	1015.2	120.92	1.4605	1.721
76.25	1311.9	1015.3	120.91	1.4590	1.721
76.50	1312.0	1015.4	120.92	1.4575	1.721
76.75	1312.1	1015.5	120.91	1.4560	1.722
77.00	1312.1	1015.5	120.91	1.4545	1.722
77.25	1312.2	1015.6	120.90	1.4531	1.722
77.50	1312.2	1015.6	120.91	1.4516	1.722
77.75	1312.3	1015.7	120.91	1.4502	1.722
78.00	1312.4	1015.8	120.90	1.4487	1.722
78.25	1312.4	1015.8	120.90	1.4473	1.723
78.50	1312.5	1015.9	120.89	1.4459	1.723
78.75	1312.6	1016.0	120.89	1.4444	1.723
79.00	1312.6	1016.0	120.90	1.4430	1.723
79.25	1312.7	1016.1	120.89	1.4416	1.723
79.50	1312.8	1016.2	120.89	1.4403	1.723
79.75	1312.9	1016.3	120.89	1.4389	1.724
80.00	1312.9	1016.3	120.89	1.4375	1.724
80.25	1313.0	1016.4	120.89	1.4361	1.724
80.50	1313.0	1016.4	120.88	1.4348	1.724
80.75	1313.1	1016.5	120.88	1.4334	1.724
81.00	1313.1	1016.5	120.87	1.4321	1.724
81.25	1313.2	1016.6	120.87	1.4308	1.725
81.50	1313.3	1016.7	120.87	1.4294	1.725
81.75	1313.4	1016.8	120.87	1.4281	1.725
82.00	1313.4	1016.8	120.87	1.4268	1.725
82.25	1313.5	1016.9	120.86	1.4255	1.725
82.50	1313.5	1016.9	120.86	1.4242	1.725
82.75	1313.6	1017.0	120.86	1.4230	1.726
83.00	1313.6	1017.0	120.86	1.4217	1.726
83.25	1313.7	1017.1	120.85	1.4204	1.726
83.50	1313.8	1017.2	120.85	1.4192	1.726
83.75	1313.9	1017.3	120.85	1.4179	1.726
84.00	1313.9	1017.3	120.85	1.4167	1.726
84.25	1314.0	1017.4	120.85	1.4154	1.727
84.50	1314.0	1017.4	120.85	1.4142	1.727
84.75	1314.1	1017.5	120.86	1.4130	1.727
85.00	1314.1	1017.5	120.83	1.4118	1.727
85.25	1314.2	1017.6	120.85	1.4106	1.727
85.50	1314.3	1017.7	120.83	1.4094	1.727
85.75	1314.3	1017.7	120.83	1.4082	1.728
86.00	1314.4	1017.8	120.84	1.4070	1.728
86.25	1314.4	1017.8	120.83	1.4058	1.728

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10821 D.S.T.#1 Jessie "S" #3 Quinque Oper. Co.

DATE: 01/20/98 TIME: 00:42:32

	Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P^2/10^6
	86.50	1314.5	1017.9	120.83	1.4046	1.728
	86.75	1314.5	1017.9	120.84	1.4035	1.728
	87.00	1314.6	1018.0	120.83	1.4023	1.728
	87.25	1314.7	1018.1	120.83	1.4011	1.728
	87.50	1314.7	1018.1	120.82	1.4000	1.729
	87.75	1314.8	1018.2	120.82	1.3989	1.729
	88.00	1314.8	1018.2	120.81	1.3977	1.729
	88.25	1314.9	1018.3	120.82	1.3966	1.729
	88.50	1314.9	1018.3	120.81	1.3955	1.729
	88.75	1315.0	1018.4	120.81	1.3944	1.729
	89.00	1315.1	1018.5	120.81	1.3933	1.729
	89.25	1315.1	1018.5	120.80	1.3922	1.730
	89.50	1315.2	1018.6	120.80	1.3911	1.730
	89.75	1315.2	1018.6	120.80	1.3900	1.730
	90.00	1315.3	1018.7	120.80	1.3889	1.730
	90.25	1315.3	1018.7	120.79	1.3878	1.730
	90.50	1315.4	1018.8	120.79	1.3867	1.730
	90.75	1315.4	1018.8	120.78	1.3857	1.730
	91.00	1315.5	1018.9	120.79	1.3846	1.730
	91.25	1315.5	1018.9	120.78	1.3836	1.731
	91.50	1315.6	1019.0	120.78	1.3825	1.731
	91.75	1315.7	1019.1	120.77	1.3815	1.731
	92.00	1315.7	1019.1	120.78	1.3804	1.731
	92.25	1314.8	1018.2	120.76	1.3794	1.729
	92.50	1315.6	1019.0	120.77	1.3784	1.731
	92.75	1315.8	1019.2	120.76	1.3774	1.731
	93.00	1315.8	1019.2	120.77	1.3763	1.731
	93.25	1315.9	1019.3	120.77	1.3753	1.732
	93.50	1315.9	1019.3	120.76	1.3743	1.732
	93.75	1316.0	1019.4	120.76	1.3733	1.732
***** End Shut-in 2	94.00	1306.7	1010.1	120.76	1.3723	1.708
***** Final Hydro.	296.00	2194.2	0.0	119.43		



GAS VOLUME REPORT

Jessie "S" #3

WELL NAME AND NO.

DST NO

GTS in 5 Min. IFP

FFP

Remarks: Gas Burned
Sample caught sent to Conaway

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 10821

Well Name & No. <u>Jessie "S" #3</u>	Test No. <u>1</u>	Date <u>1-20-98</u>
Company <u>Quingue Oper. Co.</u>	Zone Tested <u>K.C. "B"</u>	
Address <u>P.O. Box 2738 Liberal KS. 67905</u>	Elevation <u>2534</u> KB <u>2522</u> GL	
Co. Rep / Geo. <u>Gary Wilkens</u>	Cont. <u>Brandon Rig 4</u>	Est. Ft. of Pay <u>4</u> Por. <u>16</u> %
Location: Sec. <u>4</u> Twp. <u>35.5</u> Rge. <u>30 W</u> Co. <u>Muske</u> State <u>K.S.</u>		
No. of Copies <u>Req.</u> Distribution Sheet (Y, N) <u>N</u>	Turnkey (Y, N) <u>Y</u>	Evaluation (Y, N) <u></u>

Interval Tested 4726 - 4736 Initial Str Wt./Lbs. 86000 Unseated Str Wt./Lbs. 90000
Anchor Length 10 Wt. Set Lbs. 22000 Wt. Pulled Loose/Lbs. 20000
Top Packer Depth 4721 Tool Weight 1800
Bottom Packer Depth 4726 Hole Size — 7 7/8" Rubber Size — 6 3/4"
Total Depth 4736 Wt. Pipe Run — Drill Collar Run 623
Mud Wt. 9.1 LCM 3# Vis. 50 WL 10.0 ⁴³⁺² Drill Pipe Size 4 1/2 XH Ft. Run 4076 5' up
Blow Description Strong ORB imm. BT 5 in 5 min. TFP "Slid Tool 5"
No blow-back T.S. to P.
See Flow Chart F.E.P.
Strong ORB blow-back FSTP

Recovery — Total Feet <u>730</u>	GIP <u>3,969</u>	Ft. in DC <u>623</u>	Ft. in DP <u>107</u>
Rec. <u>90</u> Feet Of <u>Slit ORB cut Mud</u>	5 %gas	5 %oil	%water <u>90</u> %mud
Rec. <u>135</u> Feet Of <u>Gassy wt. unseamed oil</u>	4 %gas	%oil	96 %water %mud
Rec. <u>505</u> Feet Of <u>Gassy salt water</u>	4 %gas	%oil	96 %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 121 °F Gravity — °API D @ — °F Corrected Gravity — °API

RW 0.09 @ 50 °F Chlorides 125,000 ppm Recovery Chlorides 4,200 ppm System

(A) Initial Hydrostatic Mud <u>2262</u> ^{AIRLINE} <u>2241</u> PSI	Recorder No. <u>3017</u> "00:42"	T-Started <u>1:00 A.M.</u>
(B) First Initial Flow Pressure <u>18</u> <u>189</u> PSI	(depth) <u>4728</u>	T-Open <u>2:55 A.M.</u>
(C) First Final Flow Pressure <u>221</u> <u>180</u> PSI	Recorder No. <u>13630</u>	T-Pulled <u>5:30 A.M.</u>
(D) Initial Shut-in Pressure <u>1289</u> <u>1321</u> PSI	(depth) <u>4716</u>	T-Out <u>9:00 A.M.</u>
(E) Second Initial Flow Pressure <u>230</u> <u>255</u> PSI	Recorder No. <u>—</u>	
(F) Second Final Flow Pressure <u>319</u> <u>296</u> PSI	(depth) <u>—</u>	
(G) Final Shut-in Pressure <u>1298</u> <u>1306</u> PSI	Initial Opening <u>5</u>	Test <u>✓</u>
(H) Final Hydrostatic Mud <u>2241</u> <u>2194</u> PSI	Initial Shut-in <u>30</u>	Jars <u>✓</u>

Final Flow 30 Safety Joint ✓
Final Shut-in 90 Straddle —

12080042.017
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 Gary Wilkens

Circ. Sub ✓
Sampler —
Extra Packer —
Elect. Rec ✓
Other —

TRILOBITE TESTING L.L.C.

OPERATOR : Quinque Oper.Co.

DATE 1-22-98

WELL NAME: Jessie "S" #3

KB 2534.00 ft

TICKET NO: 10822

DST #2

LOCATION : 4-35s-30w CO Meade KS

GR 2522.00 ft

FORMATION: K.C. "A"

INTERVAL : 4712.00 To 4729.00 ft

TD 5380.00 ft

TEST TYPE: CONV.-STRADDLE

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 10 Rec.	10242	10242	Alpine			PF Fr. 1050 to 1100 hr
SI 30 Range(Psi)	4100.0	4100.0	5000.0	0.0	0.0	IS Fr. 1100 to 1130 hr
SF 45 Clock(hrs)	12 Hr	12 Hr	24 Hr			SF Fr. 1130 to 1215 hr
FS 90 Depth(ft)	4723.0	4723.0	4714.0	0.0	0.0	FS Fr. 1215 to 1345 hr

	Field	1	2	3	4	
A. Init Hydro	2305.0	2311.0	2260.0	0.0	0.0	T STARTED 0850 hr
B. First Flow	58.0	73.0	25.0	0.0	0.0	T ON BOTM 1047 hr
B1. Final Flow	58.0	70.0	31.0	0.0	0.0	T OPEN 1050 hr
C. In Shut-in	0.0	0.0	0.0	0.0	0.0	T PULLED 1345 hr
D. Init Flow	72.0	105.0	44.0	0.0	0.0	T OUT 1630 hr
E. Final Flow	72.0	91.0	58.0	0.0	0.0	
F. Fl Shut-in	967.0	989.0	939.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2275.0	2278.0	2220.0	0.0	0.0	Tool Wt. 2300.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 30000.00 lbs
						Initial Str Wt 70000.00 lbs
						Unseated Str Wt 74000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 358.00 ft
						D.P. Length 4354.00 ft

RECOVERY

Tot Fluid	90.00 ft of	90.00 ft in DC and	0.00 ft in DP
1370.00	ft of Gas in pipe		
90.00	ft of Slight gas cut mud with show of oil		
0.00	ft of 3% gas 97% 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	4050.00 P.P.M.	A.P.I. Gravity	0.00

BLOW DESCRIPTION

Strong, OBB in 1 min. I.F.P.

No blow-back. I.S.I.P.

Hook slid 1' on I.S.I.P.

Weak 2", built to strong OBB in 7 min.

F.F.P.

1" blowback. F.S.I.P.

SAMPLES: None

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	50.00 S/L
W.L.	9.20 in3
F.C.	0.00 in
Mud Drop Y	30.0 ft

Amt. of fill	0.00 ft
Btm. H. Temp.	114.00 F
Hole Condition	Good
% Porosity	18.00
Packer Size	6.75 in
No. of Packers	3
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Lanny Saloga
Co. Rep.	Gary Wilkens
Contr.	Beredco
Rig #	4
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** CONV.-STRADDLE

ELL NAME: Jessie "S" #3

LOCATION : 4-35s-30w CO Meade KS

TICKET No. 10822 D.S.T. No. 2 DATE 1-22-98

TOTAL TOOL TO BOTTOM OF TOP PACKERS 28

INTERVAL TOOL 3

TOTAL PACKERS AND ANCHOR 17

TOTAL TOOL 48

DRILL COLLAR ANCHOR IN INTERVAL

C. ANCHOR STAND.Stands Single Total

P. ANCHOR STAND.Stands Single Total

TOTAL ASSEMBLY

C. ABOVE TOOLS.Stands 4 Single Total 358

P. ABOVE TOOLS.Stands 46 Single 2 Total 4354

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4760

TOTAL DEPTH 4732

TOTAL DRILL PIPE ABOVE K.B. 28

REMARKS:

Lost packer seat on I.S.I.P.
Hook slid 1'

P.O. SUB Cir. sub
C.O. SUB Top of tool
Double pin
S.I. TOOL H&T

45941022
468424
46850175
46901537

HMV H&T

4695

JARS WTC #408

4701

SAFETY JOINT Bowen

4703

PACKER Sparton

4708

PACKER Sparton

4712

DEPTH

STUBB Rec. sub

4714

ANCHOR Alpine

4714

Pu sub

4719

AK-1

4723

6 ft. perfs

4725

Blank off sub

4726

T.C.

DEPTH

PACKER Sparton

4729

Hook

4732

5 ft. perfs

4741

Co sub

4742

31 ft. jt. DP.

4773

AK-1

4773

BULLNOSE Co sub

4774

T.D. 2 ft.

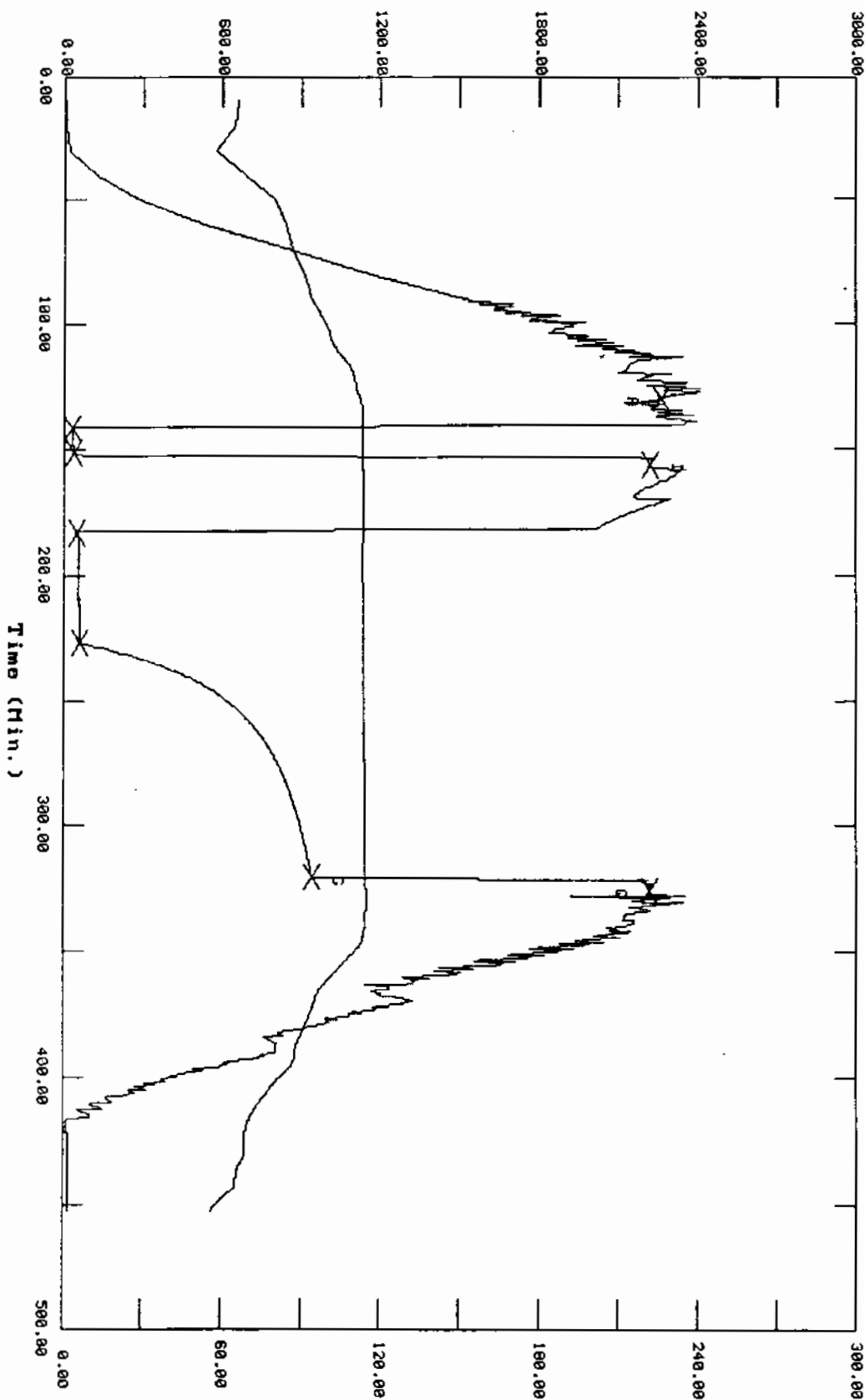
10822

D.S.T.#2 Jessie "S" #3 Quinque Oper. Co.

TEST HISTORY

Flag Points

t (Min.)	P (PSI)
A: 0.00	2260.31
B: 0.00	25.29
C: 10.00	31.00
D: 5.00	2223.22
E: 0.00	44.82
F: 44.00	58.60
G: 93.50	939.82
H: 0.00	2220.76

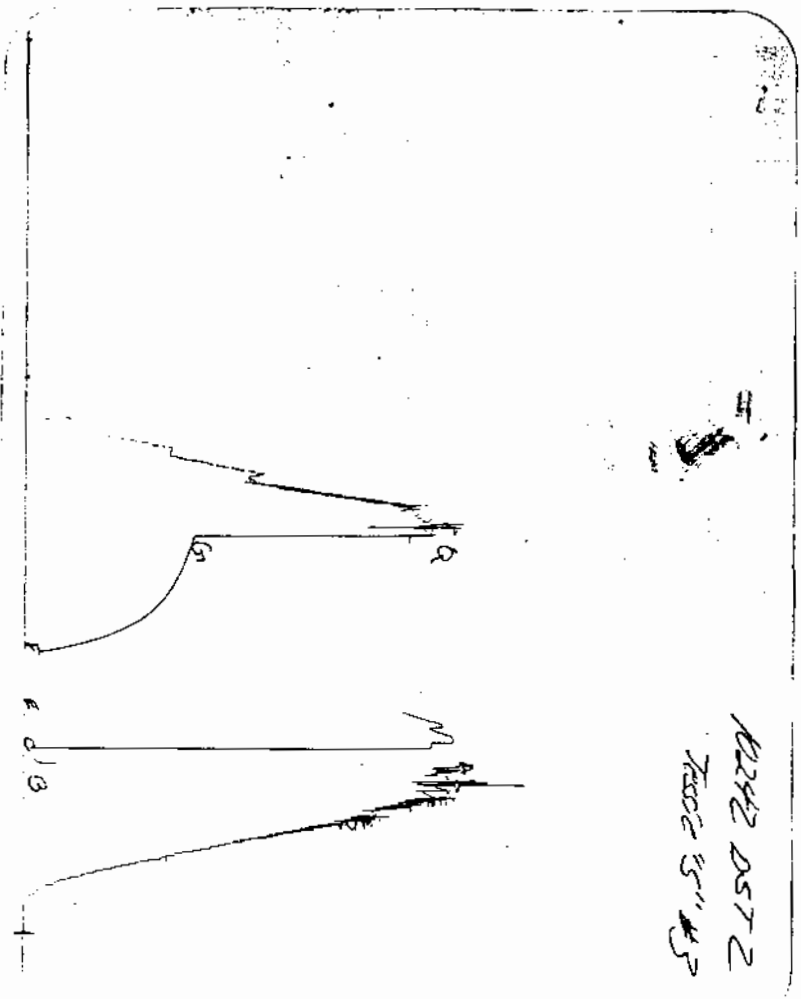


Temperature (DEG F)

Pressure (PSI)

Time (Min.)

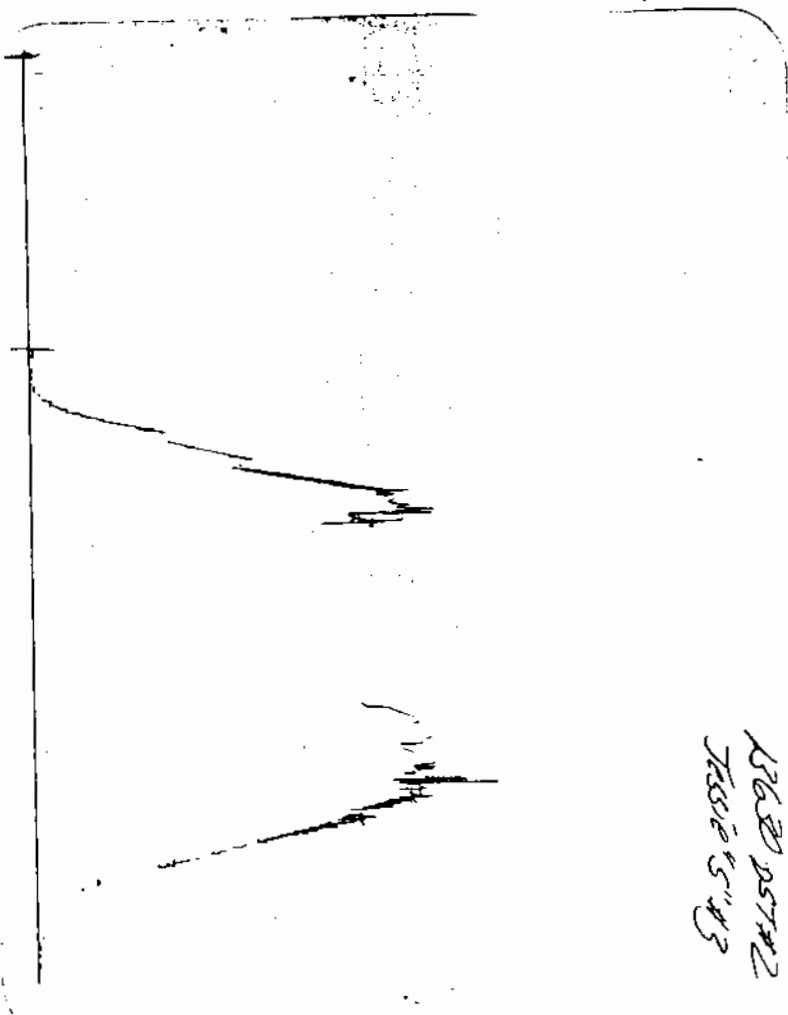
CHART PAGE



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

CHART PAGE

13680 05742
Tessie 5"43



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

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10822 D.S.T.#2 Jessie "S" #3 Quinque Oper. Co.

DATE: 01/22/98 TIME: 08:25:41

	Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	130.00	2260.3	0.0	112.63		
***** Start Flow 1	0.00	25.3	0.0	113.59		
	0.50	26.2	0.9	113.57		
	1.00	26.8	1.5	113.54		
	1.50	26.5	1.2	113.49		
	2.00	27.3	2.0	113.46		
	2.50	27.8	2.5	113.42		
	3.00	28.3	3.0	113.39		
	3.50	28.8	3.5	113.37		
	4.00	29.2	3.9	113.34		
	4.50	29.5	4.2	113.33		
	5.00	29.6	4.3	113.30		
	5.50	30.1	4.8	113.30		
	6.00	30.3	5.0	113.28		
	6.50	30.5	5.2	113.27		
	7.00	30.7	5.4	113.26		
	7.50	30.9	5.6	113.26		
	8.00	31.2	5.9	113.25		
	8.50	31.2	5.9	113.25		
	9.00	31.4	6.1	113.24		
	9.50	31.6	6.3	113.24		
***** End Flow 1	10.00	31.9	6.6	113.24		
***** Start Shutin 1	0.00	31.9	0.0	113.24	0.0000	0.001
	0.50	54.3	22.4	113.24	21.0000	0.003
	1.00	79.5	47.6	113.24	11.0000	0.006
	1.50	2140.6	2108.7	113.27	7.6667	4.582
	2.00	2148.1	2116.2	113.20	6.0000	4.614
	2.50	2230.5	2198.6	113.22	5.0000	4.975
	3.00	2224.6	2192.8	113.27	4.3333	4.949
	3.50	2223.6	2191.7	113.32	3.8571	4.944
	4.00	2224.3	2192.5	113.37	3.5000	4.948
	4.50	2223.8	2191.9	113.42	3.2222	4.945
***** End Shut-in 1	5.00	2223.2	2191.3	113.47	3.0000	4.943
***** Start Flow 2	0.00	44.8	0.0	113.84		
	0.50	51.7	6.8	113.81		
	1.00	47.1	2.3	113.78		
	1.50	46.4	1.6	113.75		
	2.00	50.4	5.6	113.72		
	2.50	49.0	4.2	113.70		
	3.00	51.6	6.8	113.67		
	3.50	52.4	7.6	113.65		
	4.00	49.9	5.1	113.62		
	4.50	49.5	4.7	113.61		
	5.00	49.4	4.6	113.59		
	5.50	52.0	7.1	113.58		
	6.00	51.8	6.9	113.57		
	6.50	50.4	5.5	113.57		
	7.00	50.0	5.2	113.56		
	7.50	50.8	6.0	113.55		
	8.00	60.0	15.2	113.55		
	8.50	50.8	6.0	113.55		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10822 D.S.T.#2 Jessie "S" #3 Quinque Oper. Co.

DATE: 01/22/98 TIME: 08:25:41

Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P^2/10^6
9.00	50.4	5.6	113.55		
9.50	50.0	5.1	113.54		
10.00	50.7	5.9	113.54		
10.50	51.1	6.3	113.54		
11.00	52.1	7.3	113.55		
11.50	50.6	5.8	113.55		
12.00	51.2	6.4	113.55		
12.50	51.8	6.9	113.55		
13.00	51.3	6.5	113.56		
13.50	51.6	6.7	113.56		
14.00	51.6	6.8	113.57		
14.50	52.1	7.3	113.57		
15.00	52.8	8.0	113.58		
15.50	52.5	7.7	113.57		
16.00	52.3	7.5	113.58		
16.50	52.0	7.2	113.58		
17.00	52.0	7.2	113.58		
17.50	53.0	8.2	113.58		
18.00	52.7	7.9	113.60		
18.50	52.8	8.0	113.59		
19.00	52.8	8.0	113.60		
19.50	52.5	7.7	113.60		
20.00	52.0	7.1	113.61		
20.50	53.0	8.2	113.62		
21.00	52.4	7.6	113.62		
21.50	53.6	8.7	113.62		
22.00	53.2	8.4	113.63		
22.50	53.6	8.7	113.63		
23.00	53.1	8.3	113.64		
23.50	53.4	8.6	113.64		
24.00	53.5	8.7	113.64		
24.50	53.5	8.7	113.65		
25.00	53.8	9.0	113.64		
25.50	53.3	8.5	113.65		
26.00	54.3	9.5	113.66		
26.50	55.0	10.1	113.66		
27.00	54.2	9.4	113.67		
27.50	54.6	9.7	113.67		
28.00	54.6	9.8	113.68		
28.50	55.2	10.4	113.67		
29.00	54.1	9.3	113.67		
29.50	54.7	9.9	113.68		
30.00	55.0	10.2	113.68		
30.50	55.0	10.2	113.68		
31.00	55.3	10.5	113.68		
31.50	55.4	10.6	113.68		
32.00	55.6	10.7	113.69		
32.50	55.9	11.0	113.70		
33.00	55.3	10.5	113.71		
33.50	55.6	10.8	113.71		
34.00	56.1	11.3	113.72		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10822 D.S.T.#2 Jessie "S" #3 Quinque Oper. Co.

DATE: 01/22/98 TIME: 08:25:41

	Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P^2/10^6
	34.50	56.2	11.4	113.71		
	35.00	55.9	11.0	113.72		
	35.50	56.3	11.5	113.71		
	36.00	56.7	11.9	113.72		
	36.50	56.6	11.7	113.72		
	37.00	57.3	12.5	113.72		
	37.50	56.6	11.7	113.72		
	38.00	57.6	12.8	113.73		
	38.50	57.0	12.2	113.73		
	39.00	57.7	12.9	113.74		
	39.50	57.2	12.4	113.75		
	40.00	57.5	12.7	113.75		
	40.50	58.0	13.2	113.75		
	41.00	58.2	13.4	113.76		
	41.50	57.7	12.8	113.75		
	42.00	57.9	13.1	113.76		
	42.50	57.9	13.1	113.76		
	43.00	58.0	13.2	113.77		
	43.50	58.3	13.5	113.77		
***** End Flow 2	44.00	58.6	13.8	113.77		
***** Start Shutin 2	0.00	58.6	0.0	113.77	0.0000	0.003
	0.50	79.4	20.8	113.78	109.0000	0.006
	1.00	100.9	42.3	113.78	55.0000	0.010
	1.50	121.9	63.3	113.78	37.0000	0.015
	2.00	142.1	83.5	113.78	28.0000	0.020
	2.50	161.6	103.0	113.79	22.6000	0.026
	3.00	180.7	122.1	113.79	19.0000	0.033
	3.50	199.0	140.4	113.80	16.4286	0.040
	4.00	216.9	158.3	113.80	14.5000	0.047
	4.50	234.3	175.7	113.81	13.0000	0.055
	5.00	251.2	192.6	113.81	11.8000	0.063
	5.50	267.5	208.9	113.83	10.8182	0.072
	6.00	283.4	224.8	113.83	10.0000	0.080
	6.50	298.8	240.2	113.83	9.3077	0.089
	7.00	313.8	255.2	113.84	8.7143	0.098
	7.50	328.3	269.7	113.85	8.2000	0.108
	8.00	342.3	283.7	113.85	7.7500	0.117
	8.50	356.0	297.4	113.87	7.3529	0.127
	9.00	369.3	310.7	113.86	7.0000	0.136
	9.50	382.0	323.4	113.87	6.6842	0.146
	10.00	394.5	335.9	113.87	6.4000	0.156
	10.50	406.6	348.0	113.88	6.1429	0.165
	11.00	418.3	359.7	113.90	5.9091	0.175
	11.50	429.7	371.1	113.90	5.6957	0.185
	12.00	440.7	382.1	113.91	5.5000	0.194
	12.50	451.4	392.8	113.91	5.3200	0.204
	13.00	461.8	403.2	113.92	5.1538	0.213
	13.50	471.8	413.2	113.92	5.0000	0.223
	14.00	481.6	423.0	113.93	4.8571	0.232
	14.50	491.0	432.4	113.94	4.7241	0.241
	15.00	500.4	441.8	113.94	4.6000	0.250

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10822 D.S.T.#2 Jessie "S" #3 Quinque Oper. Co.

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Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P^2/10^6
15.50	509.3	450.7	113.95	4.4839	0.259
16.00	518.0	459.4	113.95	4.3750	0.268
16.50	526.5	467.9	113.96	4.2727	0.277
17.00	534.7	476.1	113.97	4.1765	0.286
17.50	542.7	484.1	113.97	4.0857	0.295
18.00	550.5	491.9	113.98	4.0000	0.303
18.50	558.0	499.4	113.98	3.9189	0.311
19.00	565.4	506.8	113.99	3.8421	0.320
19.50	572.7	514.1	113.99	3.7692	0.328
20.00	579.7	521.1	113.99	3.7000	0.336
20.50	586.6	528.0	114.01	3.6341	0.344
21.00	593.3	534.7	114.00	3.5714	0.352
21.50	599.8	541.2	114.01	3.5116	0.360
22.00	606.2	547.6	114.02	3.4545	0.367
22.50	612.5	553.9	114.02	3.4000	0.375
23.00	618.5	559.9	114.03	3.3478	0.383
23.50	624.5	565.9	114.04	3.2979	0.390
24.00	630.3	571.7	114.04	3.2500	0.397
24.50	636.1	577.5	114.05	3.2041	0.405
25.00	641.7	583.1	114.05	3.1600	0.412
25.50	647.1	588.5	114.05	3.1176	0.419
26.00	652.5	593.9	114.05	3.0769	0.426
26.50	657.7	599.1	114.05	3.0377	0.433
27.00	662.9	604.3	114.06	3.0000	0.439
27.50	667.9	609.3	114.06	2.9636	0.446
28.00	672.7	614.1	114.07	2.9286	0.453
28.50	677.6	619.0	114.07	2.8947	0.459
29.00	682.3	623.7	114.08	2.8621	0.466
29.50	686.9	628.3	114.09	2.8305	0.472
30.00	691.4	632.8	114.09	2.8000	0.478
30.50	695.8	637.2	114.09	2.7705	0.484
31.00	700.2	641.6	114.09	2.7419	0.490
31.50	704.4	645.8	114.10	2.7143	0.496
32.00	708.6	650.0	114.10	2.6875	0.502
32.50	712.6	654.0	114.11	2.6615	0.508
33.00	716.6	658.0	114.12	2.6364	0.514
33.50	720.6	662.0	114.11	2.6119	0.519
34.00	724.4	665.8	114.12	2.5882	0.525
34.50	728.2	669.6	114.12	2.5652	0.530
35.00	731.9	673.3	114.13	2.5429	0.536
35.50	735.5	676.9	114.13	2.5211	0.541
36.00	739.2	680.6	114.13	2.5000	0.546
36.50	742.7	684.1	114.15	2.4795	0.552
37.00	746.1	687.5	114.15	2.4595	0.557
37.50	749.5	690.9	114.15	2.4400	0.562
38.00	752.8	694.2	114.15	2.4211	0.567
38.50	756.1	697.5	114.16	2.4026	0.572
39.00	759.3	700.7	114.16	2.3846	0.577
39.50	762.4	703.8	114.15	2.3671	0.581
40.00	765.6	707.0	114.16	2.3500	0.586
40.50	768.6	710.0	114.17	2.3333	0.591

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10822 D.S.T.#2 Jessie "S" #3 Quinque Oper. Co.

DATE: 01/22/98 TIME: 08:25:41

Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P^2/10^6
41.00	771.6	713.0	114.17	2.3171	0.595
41.50	774.5	715.9	114.17	2.3012	0.600
42.00	777.4	718.8	114.18	2.2857	0.604
42.50	780.2	721.6	114.19	2.2706	0.609
43.00	783.0	724.4	114.18	2.2558	0.613
43.50	785.8	727.2	114.19	2.2414	0.617
44.00	788.5	729.9	114.20	2.2273	0.622
44.50	791.1	732.5	114.20	2.2135	0.626
45.00	793.8	735.2	114.20	2.2000	0.630
45.50	796.3	737.7	114.20	2.1868	0.634
46.00	798.9	740.3	114.21	2.1739	0.638
46.50	801.3	742.8	114.20	2.1613	0.642
47.00	803.8	745.2	114.22	2.1489	0.646
47.50	806.2	747.6	114.21	2.1368	0.650
48.00	808.6	750.0	114.23	2.1250	0.654
48.50	811.0	752.4	114.23	2.1134	0.658
49.00	813.2	754.6	114.24	2.1020	0.661
49.50	815.5	756.9	114.23	2.0909	0.665
50.00	817.8	759.2	114.23	2.0800	0.669
50.50	820.0	761.4	114.23	2.0693	0.672
51.00	822.2	763.6	114.23	2.0588	0.676
51.50	824.3	765.7	114.23	2.0485	0.680
52.00	826.5	767.9	114.24	2.0385	0.683
52.50	828.6	770.0	114.25	2.0286	0.687
53.00	830.7	772.1	114.25	2.0189	0.690
53.50	832.8	774.2	114.26	2.0093	0.693
54.00	834.8	776.2	114.26	2.0000	0.697
54.50	836.7	778.1	114.27	1.9908	0.700
55.00	838.7	780.1	114.26	1.9818	0.703
55.50	840.6	782.0	114.26	1.9730	0.707
56.00	842.5	783.9	114.27	1.9643	0.710
56.50	844.4	785.8	114.27	1.9558	0.713
57.00	846.2	787.6	114.27	1.9474	0.716
57.50	848.1	789.5	114.27	1.9391	0.719
58.00	849.9	791.3	114.28	1.9310	0.722
58.50	851.7	793.1	114.28	1.9231	0.725
59.00	853.5	794.9	114.28	1.9153	0.728
59.50	855.2	796.6	114.30	1.9076	0.731
60.00	856.9	798.3	114.29	1.9000	0.734
60.50	858.7	800.1	114.30	1.8926	0.737
61.00	860.4	801.8	114.30	1.8852	0.740
61.50	862.1	803.5	114.30	1.8780	0.743
62.00	863.7	805.1	114.30	1.8710	0.746
62.50	865.3	806.7	114.30	1.8640	0.749
63.00	866.9	808.3	114.31	1.8571	0.752
63.50	868.5	809.9	114.31	1.8504	0.754
64.00	870.0	811.4	114.32	1.8438	0.757
64.50	871.6	813.0	114.32	1.8372	0.760
65.00	873.1	814.5	114.32	1.8308	0.762
65.50	874.6	816.0	114.33	1.8244	0.765
66.00	876.1	817.5	114.33	1.8182	0.768

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Time	Pressure PSI	delta P PSI	Temp. DEG F	(T+dT)/dT	P^2/10^6
66.50	877.6	819.0	114.33	1.8120	0.770
67.00	879.1	820.5	114.33	1.8060	0.773
67.50	880.5	821.9	114.33	1.8000	0.775
68.00	881.9	823.3	114.34	1.7941	0.778
68.50	883.4	824.8	114.35	1.7883	0.780
69.00	884.7	826.1	114.34	1.7826	0.783
69.50	886.1	827.5	114.36	1.7770	0.785
70.00	887.5	828.9	114.35	1.7714	0.788
70.50	888.9	830.3	114.36	1.7660	0.790
71.00	890.2	831.6	114.36	1.7606	0.792
71.50	891.5	832.9	114.36	1.7552	0.795
72.00	892.8	834.2	114.36	1.7500	0.797
72.50	894.1	835.5	114.36	1.7448	0.799
73.00	895.4	836.8	114.36	1.7397	0.802
73.50	896.7	838.1	114.37	1.7347	0.804
74.00	898.0	839.4	114.37	1.7297	0.806
74.50	899.2	840.6	114.38	1.7248	0.809
75.00	900.4	841.8	114.38	1.7200	0.811
75.50	901.6	843.0	114.38	1.7152	0.813
76.00	902.9	844.3	114.39	1.7105	0.815
76.50	904.1	845.5	114.40	1.7059	0.817
77.00	905.3	846.7	114.40	1.7013	0.820
77.50	906.5	847.9	114.41	1.6968	0.822
78.00	907.7	849.1	114.40	1.6923	0.824
78.50	908.9	850.3	114.40	1.6879	0.826
79.00	910.0	851.4	114.41	1.6835	0.828
79.50	911.2	852.6	114.42	1.6792	0.830
80.00	912.4	853.8	114.43	1.6750	0.832
80.50	913.5	854.9	114.40	1.6708	0.834
81.00	914.6	856.0	114.42	1.6667	0.836
81.50	915.7	857.1	114.43	1.6626	0.838
82.00	916.8	858.2	114.43	1.6585	0.841
82.50	917.9	859.3	114.43	1.6545	0.843
83.00	919.0	860.4	114.43	1.6506	0.845
83.50	920.1	861.5	114.43	1.6467	0.847
84.00	921.2	862.6	114.43	1.6429	0.849
84.50	922.3	863.7	114.43	1.6391	0.851
85.00	923.3	864.7	114.43	1.6353	0.853
85.50	924.4	865.8	114.43	1.6316	0.854
86.00	925.4	866.8	114.44	1.6279	0.856
86.50	926.4	867.8	114.44	1.6243	0.858
87.00	927.5	868.9	114.44	1.6207	0.860
87.50	928.5	869.9	114.45	1.6171	0.862
88.00	929.5	870.9	114.45	1.6136	0.864
88.50	930.5	871.9	114.45	1.6102	0.866
89.00	931.5	872.9	114.46	1.6067	0.868
89.50	932.5	873.9	114.46	1.6034	0.869
90.00	933.4	874.8	114.45	1.6000	0.871
90.50	934.4	875.8	114.46	1.5967	0.873
91.00	935.3	876.7	114.45	1.5934	0.875
91.50	936.3	877.7	114.47	1.5902	0.877

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10822 D.S.T.#2 Jessie "S" #3 Quinque Oper. Co.

DATE: 01/22/98 TIME: 08:25:41

	Time	Pressure	delta P	Temp.	(T+dT)/dT	P^2/10^6
		PSI	PSI	DEG F		
	92.00	936.7	878.1	114.47	1.5870	0.877
	92.50	937.8	879.2	114.48	1.5838	0.879
	93.00	938.8	880.2	114.47	1.5806	0.881
***** End Shut-in 2	93.50	939.8	881.2	114.47	1.5775	0.883
***** Final Hydro.	325.50	2220.8	0.0	114.91		

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 10822

Well Name & No. <u>Jessie "S" #3</u>	Test No. <u>2</u>	Date <u>1-22-98</u>
Company <u>Quinque Oper. Co.</u>	Zone Tested <u>K.C. "A"</u>	
Address <u>P.O. Box 2738 Liberal KS 67905</u>	Elevation <u>2534</u>	KB <u>2522</u> GL
Co. Rep / Geo. <u>Gary Wilkerson</u>	Cont. <u>Benado Rig 4</u>	Est. Ft. of Pay <u>5</u> Por. <u>18</u> %
Location: Sec. <u>4</u> Twp. <u>35.5</u> Rge. <u>30W</u> Co. <u>Mane</u> State <u>Ks.</u>		
No. of Copies <u>Req.</u> Distribution Sheet (Y, N) <u>N</u>	Turnkey (Y, N) <u>Y</u>	Evaluation (Y, N) <u></u>

Interval Tested 4712-4729 Initial Str Wt./Lbs. 70000 Unseated Str Wt./Lbs. 74000
 Anchor Length 17 13' Tail-Pipe Wt. Set Lbs. 30000 Wt. Pulled Loose/Lbs. 30000
 Top Packer Depth 4707 Tool Weight 2300
 Bottom Packer Depth 4712 Stable P. 4729 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 5380 Hook at 4732 Wt. Pipe Run — Drill Collar Run 358
 Mud Wt. 9.1 LCM 4# Vis. 50 WL 9.2 ^{46.12} Drill Pipe Size 4 1/2 XH Ft. Run 4354 28' up
 Blow Description Strong, OBB in 1 Min. TFP
No blow-back T.S.T.P. "Hook slide little 1' on ST.
Next 2" to Strong OBB in 7 min. F.F.P.
1" blow-back T.S.T.P.

Recovery — Total Feet 90 GIP 1370 Ft. in DC 90 Ft. in DP —
 Rec. 90 Feet Of Sl. Gas cut mud with oil 3% gas %oil %water 97 %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 114 °F Gravity — °API D@ — °F Corrected Gravity — °API

RW 1.7 @ 58 °F Chlorides 4050 ppm Recovery Chlorides 3200 ppm System

(A) Initial Hydrostatic Mud 2305 2260 PSI Recorder No. 3017 "08:25" T-Started 8:50 A.M.
 (B) First Initial Flow Pressure 58 25 PSI (depth) 4714 T-Open 10:50 A.M.
 (C) First Final Flow Pressure 58 31 PSI Recorder No. 10242 T-Pulled 1:45 P.M.
 (D) Initial Shut-in Pressure — — PSI (depth) 4723 T-Out 16:30 P.M.
 (E) Second Initial Flow Pressure 72 44 PSI Recorder No. 13630
 (F) Second Final Flow Pressure 72 58 PSI (depth) 4773
 (G) Final Shut-in Pressure 967 939 PSI Initial Opening 10 Test ✓
 (H) Final Hydrostatic Mud 2275 2220 PSI Initial Shut-in 30 Jars ✓

Final Flow 45 Safety Joint ✓
 Final Shut-in 90 Straddle ✓

Circ. Sub ✓
 Sampler ✓
 Extra Packer ✓
 Elect. Rec ✓
 Other Hook ✓

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Approved By Gary Wilkerson