25-28s-14w

Computer Inventoried

ORIGINAL

WELL NAME: Ladora #1
COMPANY: GLB
LOCATION: 25-28S-14W
Pratt County, Kansas
DATE: 4/23/98

15-151-22161

TRILOBITE TESTING L.L.C.

OPERATOR : G,L,B
WELL NAME: Ladora
LOCATION : 25-28s-14w Pratt KS
INTERVAL : 4494.00 To 4509.00 ft

DATE 04/19/98
KB 1995.00 ft
GR 1984.00 ft
TD 4509.00 ft
TICKET NO: 10782 DST #1
FORMATION: Simpson
TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins			Field	1	2	3	4
PF	15	Rec.	10991	10991	2350		
SI	30	Range(Psi)	4200.0	4200.0	4995.0	0.0	0.0
SF	60	Clock(hrs)	12hr.	12hr.	elec.		
FS	120	Depth(ft)	4506.0	4506.0	4506.0	0.0	0.0

TIME DATA----------
PF Fr. 1326 to 1341 hr
IS Fr. 1341 to 1411 hr
SF Fr. 1411 to 1511 hr
FS Fr. 1511 to 1711 hr

	Field	1	2	3	4
A. Init Hydro	2240.0	2216.0	2227.0	0.0	0.0
B. First Flow	32.0	21.0	38.0	0.0	0.0
B1. Final Flow	42.0	14.0	52.0	0.0	0.0
C. In Shut-in	85.0	48.0	96.0	0.0	0.0
D. Init Flow	32.0	17.0	38.0	0.0	0.0
E. Final Flow	52.0	17.0	42.0	0.0	0.0
F. Fl Shut-in	106.0	72.0	104.0	0.0	0.0
G. Final Hydro	2229.0	2197.0	2226.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 1130 hr
T ON BOTM 1324 hr
T OPEN 1326 hr
T PULLED 1711 hr
T OUT 1930 hr

RECOVERY
Tot Fluid 30.00 ft of 30.00 ft in DC and 0.00 ft in DP
30.00 ft of Slight water cut mud trace of oil
0.00 ft of 1% oil 1% water 98% 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 0.00 P.P.M. A.P.I. Gravity 0.00

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

Tool Wt.	2100.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	80000.00 lbs
Initial Str Wt	72000.00 lbs
Unseated Str Wt	72000.00 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	486.00 ft
D.P. Length	4008.00 ft

BLOW DESCRIPTION
Initial Flow:
Weak blow built to 3" in water
Initial Shut-in:
Bled down for 2 mins.No blow back.

Final Flow:
Weak blow.Built to 3"in H2O.
Final Shut-in:
Bled down for 2 mins. no blow back

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

Mud Type	chemical
Weight	9.20 lb/cf
Vis.	50.00 S/L
W.L.	12.00 in3
F.C.	0.32 in
Mud Drop	N
Amt. of fill	0.00 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 n
Cushion Type	none
Reversed Out	N
Tool Chased	N
Tester	Darren Amerine
Co. Rep.	Bill Hamilton
Contr.	Duke
Rig #	5
Unit #	none
Pump T.	0000

SAMPLES:
SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Ladora

LOCATION : 25-28s-14w Pratt KS

TICKET No. 10782 D.S.T. No. 1 DATE 04/19/98

TOTAL TOOL TO BOTTOM OF TOP PACKERS 28

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR 15

TOTAL TOOL 43

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY .....

D.C. ABOVE TOOLS.Stands 8 Single Total 486

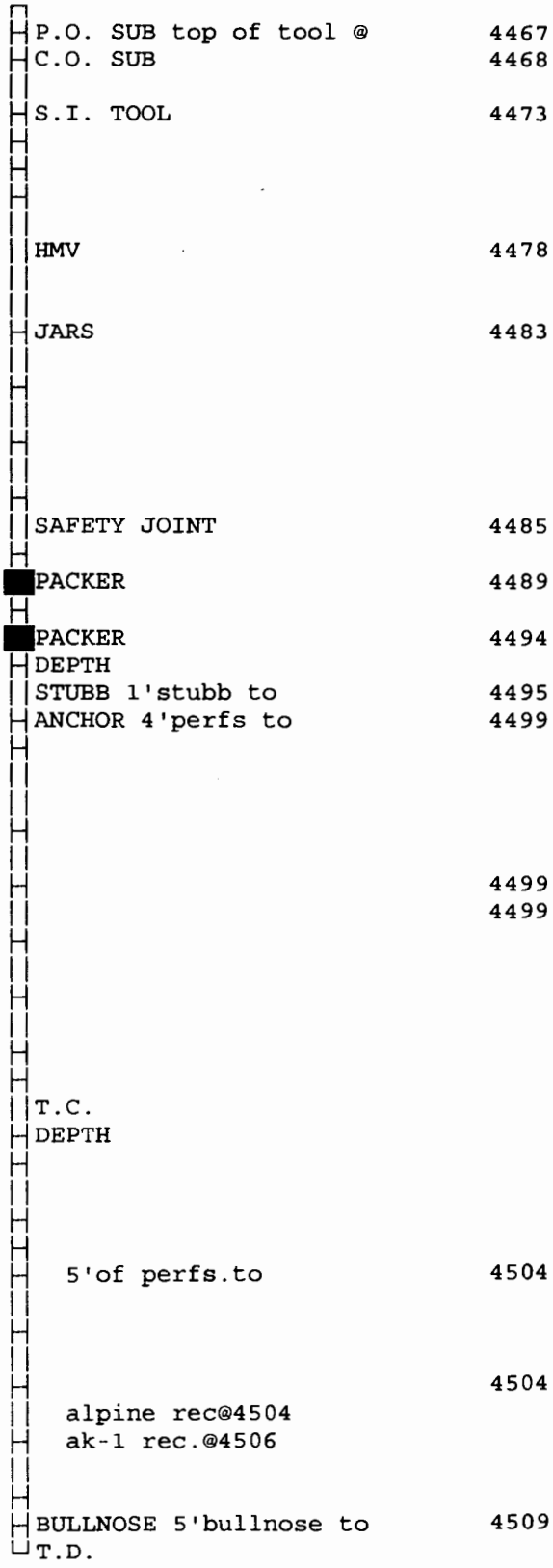
D.P. ABOVE TOOLS.Stands64 Single 1 Total 4008

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4537

TOTAL DEPTH 4509

TOTAL DRILL PIPE ABOVE K.B. 28

REMARKS:

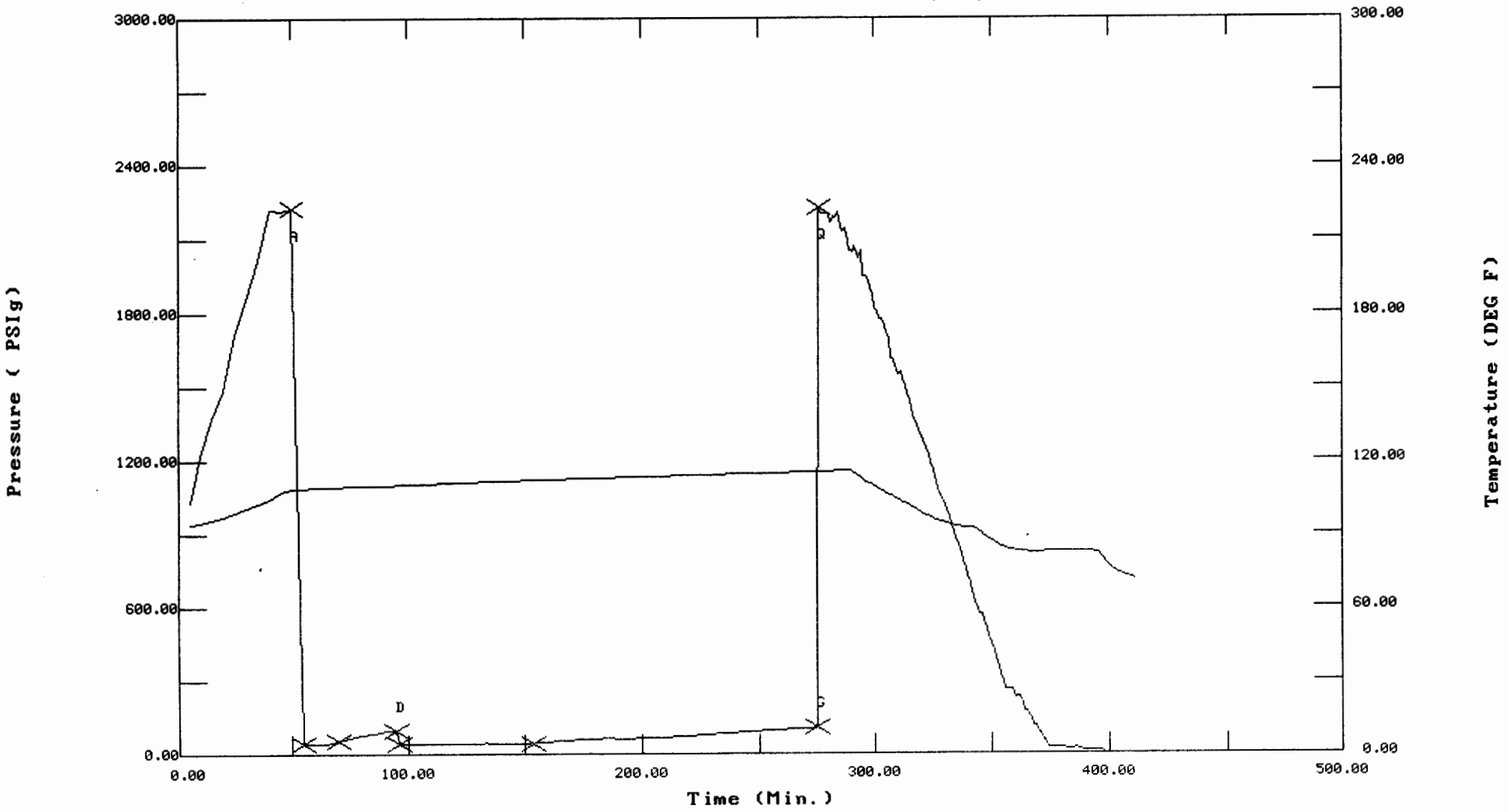


TEST HISTORY

Tk#10782 DST#1 Ladora #1 G,L,B Exploration.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2227.10
B:	0.00	38.43
C:	15.00	52.03
D:	25.00	96.17
E:	0.00	38.43
F:	58.00	41.96
G:	121.00	103.73
Q:	0.00	2225.84



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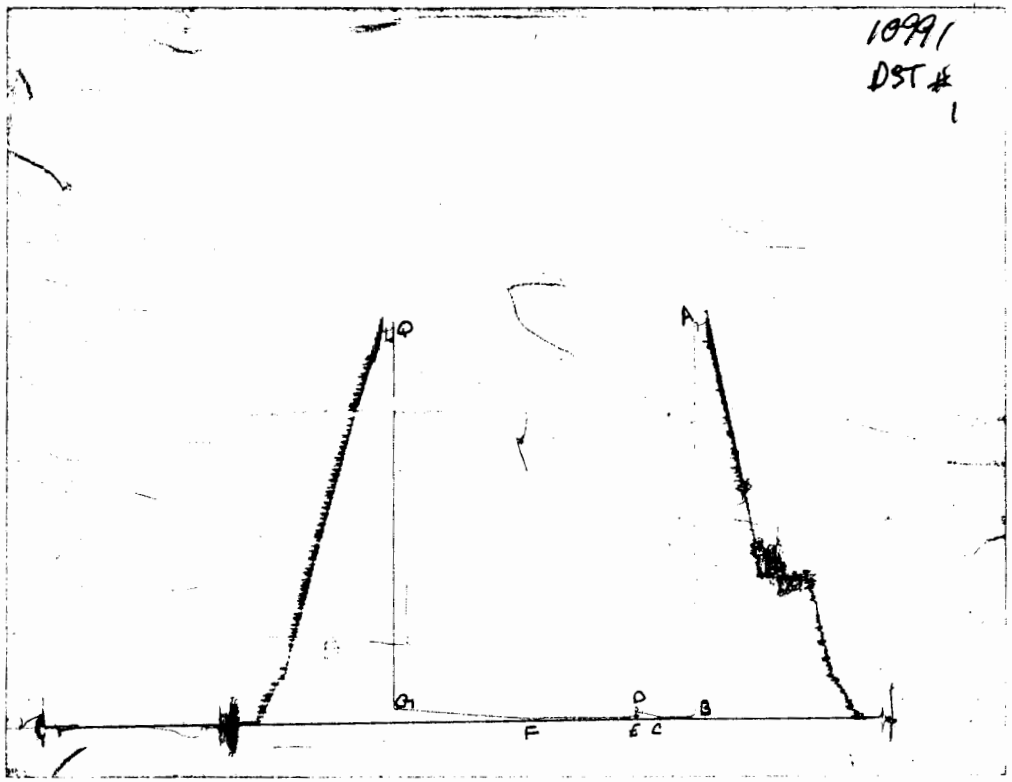


This is a photocopy of the actual AK-1 recorder chart

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10782 DST#1 Ladora #1 G,L,B Exploration.

DATE: 04/19/98 TIME: 12:35:18

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	50.00	2227.1	0.0	108.35		
****** Start Flow 1	0.00	38.4	0.0	108.80		
	5.00	40.2	1.8	109.12		
	10.00	40.4	2.0	109.24		
****** End Flow 1	15.00	52.0	13.6	109.32		
****** Start Shutin 1	0.00	52.0	0.0	109.32	0.0000	0.003
	5.00	63.4	11.3	109.41	4.0000	0.004
	10.00	73.8	21.8	109.53	2.5000	0.005
	15.00	83.1	31.1	109.67	2.0000	0.007
	21.00	92.9	40.9	109.87	1.7143	0.009
	22.00	93.4	41.4	109.91	1.6818	0.009
	23.00	94.3	42.3	109.95	1.6522	0.009
	24.00	95.3	43.3	109.99	1.6250	0.009
****** End Shut-in 1	25.00	96.2	44.1	110.02	1.6000	0.009
****** Start Flow 2	0.00	38.4	0.0	110.06		
	1.00	40.6	2.2	110.09		
	2.00	39.3	0.8	110.13		
	3.00	41.5	3.0	110.16		
	4.00	39.9	1.4	110.20		
	5.00	40.8	2.3	110.23		
	6.00	39.6	1.2	110.26		
	7.00	41.6	3.2	110.30		
	8.00	39.9	1.4	110.34		
	9.00	40.9	2.4	110.36		
	10.00	39.8	1.3	110.40		
	11.00	40.8	2.3	110.43		
	12.00	42.0	3.5	110.47		
	13.00	40.7	2.3	110.50		
	14.00	40.9	2.4	110.54		
	15.00	40.2	1.8	110.58		
	16.00	40.2	1.8	110.60		
	17.00	41.8	3.4	110.64		
	18.00	40.5	2.1	110.67		
	19.00	41.2	2.8	110.71		
	20.00	40.8	2.3	110.74		
	21.00	40.5	2.1	110.78		
	22.00	42.0	3.5	110.81		
	23.00	39.5	1.1	110.85		
	24.00	41.5	3.0	110.89		
	25.00	42.6	4.2	110.90		
	26.00	41.1	2.7	110.94		
	27.00	41.3	2.9	110.98		
	28.00	41.0	2.6	111.01		
	29.00	40.9	2.5	111.04		
	30.00	41.8	3.4	111.08		
	31.00	40.9	2.5	111.11		
	32.00	41.8	3.4	111.14		
	33.00	40.9	2.4	111.18		
	34.00	42.0	3.6	111.20		
	35.00	41.1	2.7	111.24		
	36.00	42.0	3.5	111.27		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10782 DST#1 Ladora #1 G,L,B Exploration.

DATE: 04/19/98 TIME: 12:35:18

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	37.00	42.9	4.4	111.31		
	38.00	41.3	2.9	111.34		
	39.00	42.2	3.8	111.36		
	40.00	40.2	1.8	111.40		
	41.00	41.0	2.6	111.44		
	42.00	42.0	3.6	111.47		
	43.00	40.8	2.3	111.50		
	44.00	41.8	3.4	111.53		
	45.00	42.6	4.2	111.57		
	46.00	40.4	2.0	111.60		
	47.00	41.6	3.2	111.62		
	48.00	42.5	4.0	111.66		
	49.00	41.5	3.0	111.69		
	50.00	41.4	2.9	111.72		
	51.00	42.4	3.9	111.76		
	52.00	40.8	2.3	111.79		
	53.00	41.8	3.4	111.82		
	54.00	40.5	2.1	111.86		
	55.00	41.3	2.9	111.88		
	56.00	42.3	3.9	111.91		
	57.00	43.4	5.0	111.94		
****** End Flow 2	58.00	42.0	3.5	111.98		
****** Start Shutin 2	0.00	42.0	0.0	111.98	0.0000	0.002
	1.00	43.3	1.3	112.00	74.0000	0.002
	2.00	43.9	1.9	112.04	37.5000	0.002
	3.00	44.6	2.6	112.07	25.3333	0.002
	4.00	45.4	3.4	112.10	19.2500	0.002
	5.00	46.0	4.0	112.13	15.6000	0.002
	6.00	46.9	5.0	112.17	13.1667	0.002
	7.00	47.6	5.6	112.19	11.4286	0.002
	8.00	48.2	6.3	112.22	10.1250	0.002
	9.00	48.9	7.0	112.25	9.1111	0.002
	10.00	49.8	7.8	112.28	8.3000	0.002
	11.00	50.6	8.6	112.31	7.6364	0.003
	12.00	51.2	9.2	112.34	7.0833	0.003
	13.00	51.9	10	112.37	6.6154	0.003
	14.00	52.6	10.7	112.41	6.2143	0.003
	15.00	53.3	11.3	112.43	5.8667	0.003
	16.00	53.9	11.9	112.46	5.5625	0.003
	17.00	54.4	12.4	112.49	5.2941	0.003
	18.00	54.9	12.9	112.52	5.0556	0.003
	19.00	55.6	13.6	112.55	4.8421	0.003
	20.00	56.0	14.0	112.58	4.6500	0.003
	21.00	56.6	14.6	112.61	4.4762	0.003
	22.00	57.0	15.0	112.63	4.3182	0.003
	23.00	57.6	15.7	112.66	4.1739	0.003
	24.00	58.2	16.2	112.69	4.0417	0.003
	25.00	58.6	16.6	112.72	3.9200	0.003
	26.00	59.2	17.2	112.74	3.8077	0.003
	27.00	59.7	17.7	112.78	3.7037	0.004
	28.00	60.0	18.0	112.80	3.6071	0.004

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10782 DST#1 Ladora #1 G,L,B Exploration.

DATE: 04/19/98 TIME: 12:35:18

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
29.00	60.6	18.6	112.83	3.5172	0.004
30.00	61.1	19.1	112.87	3.4333	0.004
31.00	61.5	19.6	112.89	3.3548	0.004
32.00	62.1	20.1	112.92	3.2812	0.004
33.00	62.8	20.8	112.95	3.2121	0.004
34.00	63.2	21.2	112.97	3.1471	0.004
35.00	56.7	14.8	113.00	3.0857	0.003
36.00	57.2	15.3	113.03	3.0278	0.003
37.00	57.6	15.7	113.06	2.9730	0.003
38.00	58.1	16.1	113.09	2.9211	0.003
39.00	58.4	16.4	113.12	2.8718	0.003
40.00	58.7	16.8	113.14	2.8250	0.003
41.00	59.4	17.5	113.17	2.7805	0.004
42.00	59.8	17.9	113.18	2.7381	0.004
43.00	60.3	18.4	113.22	2.6977	0.004
44.00	60.8	18.9	113.25	2.6591	0.004
45.00	61.1	19.1	113.28	2.6222	0.004
46.00	61.8	19.8	113.30	2.5870	0.004
47.00	62.2	20.2	113.33	2.5532	0.004
48.00	62.6	20.6	113.36	2.5208	0.004
49.00	62.9	20.9	113.38	2.4898	0.004
50.00	63.4	21.4	113.41	2.4600	0.004
51.00	63.8	21.8	113.43	2.4314	0.004
52.00	64.1	22.2	113.46	2.4038	0.004
53.00	64.3	22.3	113.48	2.3774	0.004
54.00	64.6	22.7	113.51	2.3519	0.004
55.00	65.2	23.2	113.54	2.3273	0.004
56.00	65.5	23.5	113.56	2.3036	0.004
57.00	65.9	23.9	113.59	2.2807	0.004
58.00	66.4	24.4	113.61	2.2586	0.004
59.00	66.6	24.7	113.63	2.2373	0.004
60.00	67.0	25.0	113.66	2.2167	0.004
61.00	67.6	25.7	113.69	2.1967	0.005
62.00	68.1	26.1	113.71	2.1774	0.005
63.00	68.6	26.6	113.74	2.1587	0.005
64.00	69.1	27.2	113.76	2.1406	0.005
65.00	69.8	27.9	113.79	2.1231	0.005
66.00	70.7	28.7	113.82	2.1061	0.005
67.00	71.3	29.4	113.83	2.0896	0.005
68.00	71.8	29.9	113.86	2.0735	0.005
69.00	72.5	30.5	113.88	2.0580	0.005
70.00	73.2	31.2	113.91	2.0429	0.005
71.00	74.0	32.1	113.93	2.0282	0.005
72.00	74.6	32.6	113.95	2.0139	0.006
73.00	75.2	33.2	113.99	2.0000	0.006
74.00	75.8	33.8	114.00	1.9865	0.006
75.00	76.6	34.7	114.03	1.9733	0.006
76.00	77.4	35.4	114.05	1.9605	0.006
77.00	78.1	36.2	114.07	1.9481	0.006
78.00	78.9	36.9	114.10	1.9359	0.006
79.00	79.4	37.4	114.10	1.9241	0.006

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10782 DST#1 Ladora #1 G,L,B Exploration.

DATE: 04/19/98 TIME: 12:35:18

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	80.00	80.0	38.0	114.15	1.9125	0.006
	81.00	80.6	38.7	114.18	1.9012	0.007
	82.00	81.2	39.3	114.19	1.8902	0.007
	83.00	81.6	39.6	114.23	1.8795	0.007
	84.00	82.2	40.3	114.25	1.8690	0.007
	85.00	82.7	40.8	114.26	1.8588	0.007
	86.00	83.5	41.5	114.29	1.8488	0.007
	87.00	84.1	42.1	114.32	1.8391	0.007
	88.00	84.9	43.0	114.34	1.8295	0.007
	89.00	85.4	43.5	114.36	1.8202	0.007
	90.00	85.9	44.0	114.38	1.8111	0.007
	91.00	86.7	44.7	114.40	1.8022	0.008
	92.00	87.5	45.6	114.43	1.7935	0.008
	93.00	88.1	46.2	114.46	1.7849	0.008
	94.00	88.7	46.7	114.47	1.7766	0.008
	95.00	89.3	47.3	114.50	1.7684	0.008
	96.00	90.0	48.1	114.52	1.7604	0.008
	97.00	90.5	48.6	114.54	1.7526	0.008
	98.00	91.0	49.0	114.57	1.7449	0.008
	99.00	91.4	49.4	114.59	1.7374	0.008
	100.00	92.1	50.2	114.61	1.7300	0.008
	101.00	92.6	50.6	114.63	1.7228	0.009
	102.00	93.1	51.1	114.66	1.7157	0.009
	103.00	93.7	51.8	114.68	1.7087	0.009
	104.00	94.6	52.6	114.70	1.7019	0.009
	105.00	95.0	53.0	114.73	1.6952	0.009
	106.00	95.6	53.6	114.73	1.6887	0.009
	107.00	96.0	54.0	114.77	1.6822	0.009
	108.00	96.6	54.6	114.79	1.6759	0.009
	109.00	97.1	55.1	114.81	1.6697	0.009
	110.00	97.5	55.6	114.84	1.6636	0.01
	111.00	98.2	56.2	114.85	1.6577	0.01
	112.00	98.6	56.7	114.88	1.6518	0.01
	113.00	99.3	57.3	114.90	1.6460	0.01
	114.00	99.9	57.9	114.92	1.6404	0.01
	115.00	100.5	58.5	114.94	1.6348	0.010
	116.00	101.0	59.0	114.96	1.6293	0.010
	117.00	101.9	59.9	114.99	1.6239	0.010
	118.00	102.3	60.3	115.00	1.6186	0.010
	119.00	102.7	60.8	115.03	1.6134	0.011
	120.00	103.2	61.3	115.04	1.6083	0.011
****** End Shut-in 2	121.00	103.7	61.8	115.08	1.6033	0.011
****** Final Hydro.	276.00	2225.8	0.0	115.14		

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 10782

Well Name & No. Labora #1 Test No. #1 Date 4/19/98

Company G, L, B Exploration. Zone Tested Simpson

Address 200 N. Harvey, Suite 800, Oklahoma City OK Elevation 1995 KB 1984 GL

Co. Rep / Geo. Bill Hamilton Cont. Duke #3 Est. Ft. of Pay ____ Por. ____ %

Location: Sec. 25 Twp. 28S Rge. 14 W Co. Pratt State KS

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

Interval Tested 4494' - 4509' Initial Str Wt./Lbs. 72,000 Unseated Str Wt./Lbs. 72,000

Anchor Length 15' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 80,000

Top Packer Depth 4489' Tool Weight 2100

Bottom Packer Depth 4494' Hole Size — 7 7/8" L Rubber Size — 6 3/4" L

Total Depth 4509' Wt. Pipe Run ____ Drill Collar Run 486 XH

Mud Wt. 9.2 LCM 2# Vis. 50 WL 12.0 Drill Pipe Size 4½ XH Ft. Run 4008'

Blow Description IF: Weak blow. Built to 3 in in 4:20

ISI: Bled down for 2 mins. No bb.

FF: Weak blow. Built to 3 in in 4:20.

FSI: Bled down for 2 mins. No bb

Recovery — Total Feet 30' GIP 300' Ft. in DC 30' Ft. in DP ____

Rec. 30 Feet Of SWCM Trace-Oil %gas / %oil / %water 98 %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 115° °F Gravity ____ °API D@ ____ °F Corrected Gravity ____ °API

RW ____ @ ____ °F Chlorides ____ ppm Recovery Chlorides 5,200 ppm System

(A) Initial Hydrostatic Mud	2240	2227	PSI	Recorder No.	2350	T-Started 11:30
(B) First Initial Flow Pressure	32	38	PSI	(depth)	4504'	T-Open 13:26
(C) First Final Flow Pressure	42	52	PSI	Recorder No.	10991	T-Pulled 17:11
(D) Initial Shut-in Pressure	85	96	PSI	(depth)	4506'	T-Out 19:30
(E) Second Initial Flow Pressure	32	38	PSI	Recorder No.	____	
(F) Second Final Flow Pressure	52	42	PSI	(depth)	____	
(G) Final Shut-in Pressure	106	104	PSI	Initial Opening	15'	Test ✓
(H) Final Hydrostatic Mud	2229	2226	PSI	Initial Shut-in	30'	Jars ✓
	AK-1	Alpine		Final Flow	60'	Safety Joint ✓
				Final Shut-in	120'	Straddle ____
						Circ. Sub ____
						Sampler ____
						Extra Packer ____
						Elect. Rec. ✓
						Other ____

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 Bill Hamilton

TRILOBITE TESTING L.L.C.

OPERATOR : G.L.B Exploration DATE 04/20/98
WELL NAME: Ladora KB 1995.00 ft TICKET NO: 10783 DST #2
LOCATION : 25-28s-14s GR 1984.00 ft FORMATION: Viola
INTERVAL : 4440.00 To 4490.00 ft TD 4640.00 ft TEST TYPE: CONVENTIONAL/STRADD

RECORDER DATA

Mins		Field	1	2	3	4
PF 5	Rec.	10991	10991	2350		
SI 0	Range(Psi)	4200.0	4200.0	4995.0	0.0	0.0
SF 0	Clock(hrs)	12hr.	12hr.	elec.		
FS 0	Depth(ft)	4483.0	4483.0	4451.0	0.0	0.0

TIME DATA----------
PF Fr. 1649 to 1654 hr
IS Fr. mis to run hr
SF Fr. to hr
FS Fr. to hr

	Field	1	2	3	4
A. Init Hydro	0.0	0.0	2327.0	0.0	0.0
B. First Flow	0.0	0.0	0.0	0.0	0.0
B1. Final Flow	0.0	0.0	0.0	0.0	0.0
C. In Shut-in	0.0	0.0	0.0	0.0	0.0
D. Init Flow	0.0	0.0	0.0	0.0	0.0
E. Final Flow	0.0	0.0	0.0	0.0	0.0
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0
G. Final Hydro	0.0	0.0	2291.0	0.0	0.0
Inside/Outside		O	O	I	

T STARTED 1435 hr
T ON BOTM 1646 hr
T OPEN 1649 hr
T PULLED 1654 hr
T OUT 1854 hr

RECOVERY
Tot Fluid 1400.00 ft of 486.00 ft in DC and 914.00 ft in DP
1400.00 ft of drilling mud
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

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

Tool Wt.	2100.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	80000.00 lbs
Initial Str Wt	72000.00 lbs
Unseated Str Wt	80000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	486.00 ft
D.P. Length	4131.00 ft

BLOW DESCRIPTION
IF:

FF:

SAMPLES:
SENT TO:

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

Mud Type	chemical
Weight	9.30 lb/c
Vis.	54.00 S/L
W.L.	13.10 in3
F.C.	0.32 in
Mud Drop	N
Amt. of fill	0.00 ft
Btm. H. Temp.	115.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	3
Cushion Amt.	0.00 n
Cushion Type	none
Reversed Out	N
Tool Chased	N
Tester	Darren Amerine
Co. Rep.	Bill Hamilton
Contr.	Duke
Rig #	5
Unit #	none
Pump T.	n

Test Successful: N

*** TOOL DIAGRAM *** CONVENTIONAL/STRADD

WELL NAME: Ladora

LOCATION : 25-28s-14s

TICKET No. 10783 D.S.T. No. 2 DATE 04/20/98

TOTAL TOOL TO BOTTOM OF TOP PACKERS 30

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR 42

TOTAL TOOL 72

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands 2 Single 1 Total 155

TOTAL ASSEMBLY 227

D.C. ABOVE TOOLS.Stands 8 Single Total 486

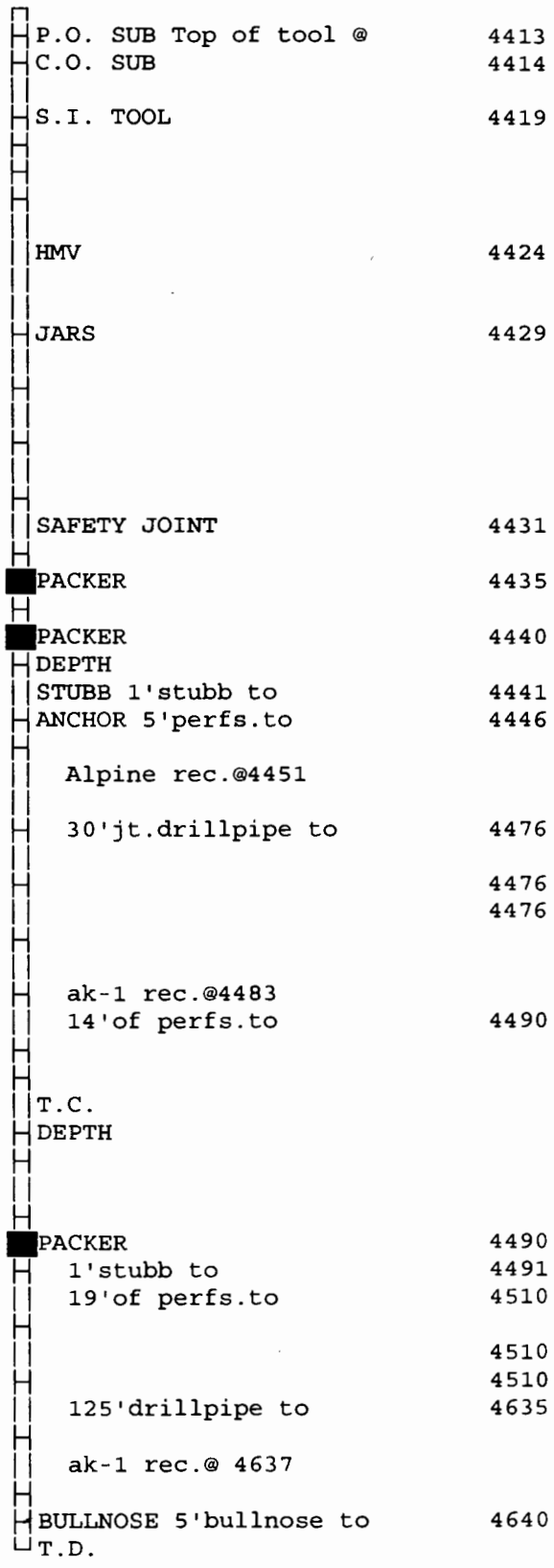
D.P. ABOVE TOOLS.Stands 63 Single 1 Total 3946

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4659

TOTAL DEPTH 4640

TOTAL DRILL PIPE ABOVE K.B. 19

REMARKS:

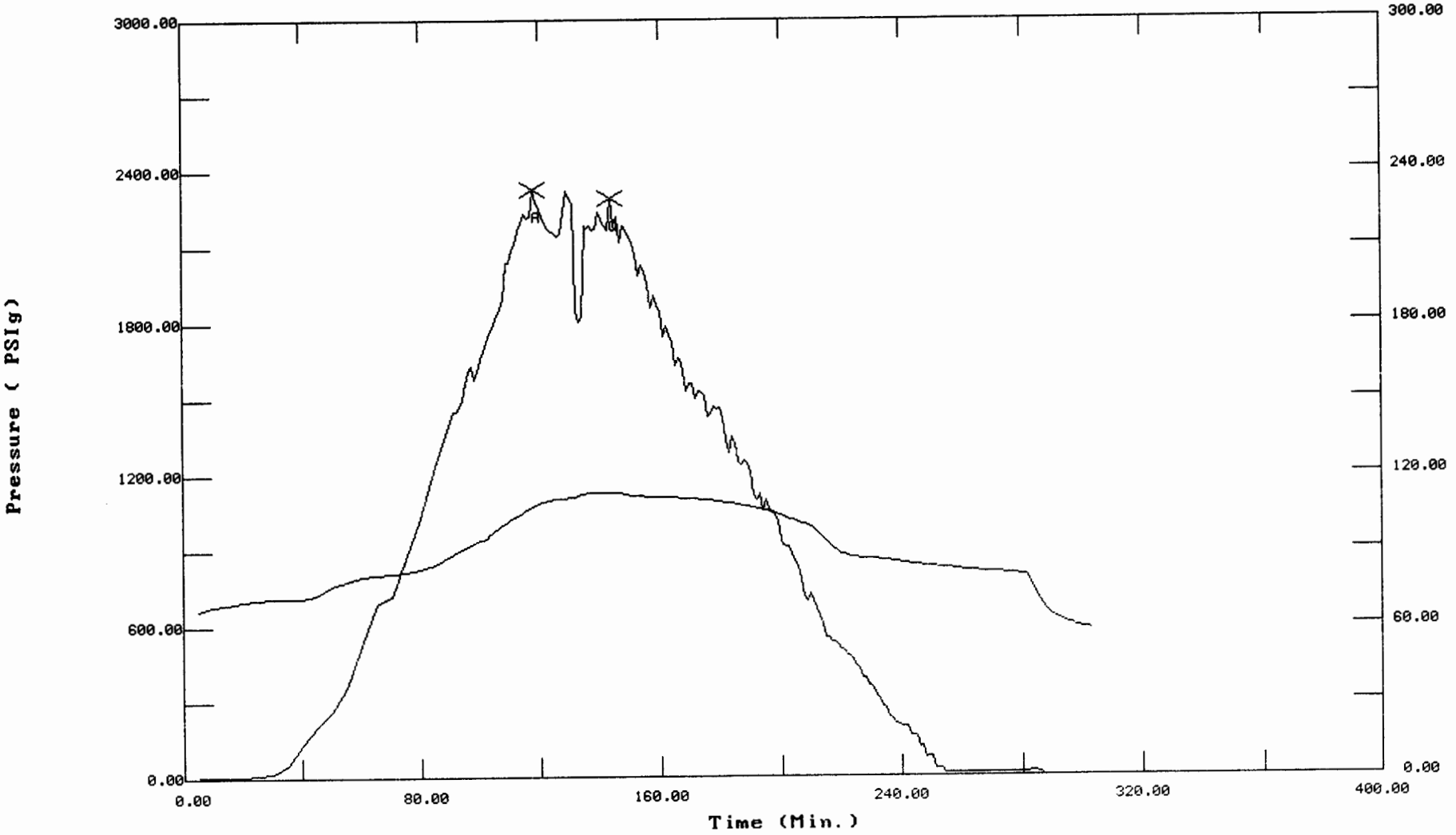


TEST HISTORY

TK#10783 DST#2 Ladora#1 G.L.B Exploration.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2327.31
Q:	0.00	2291.22



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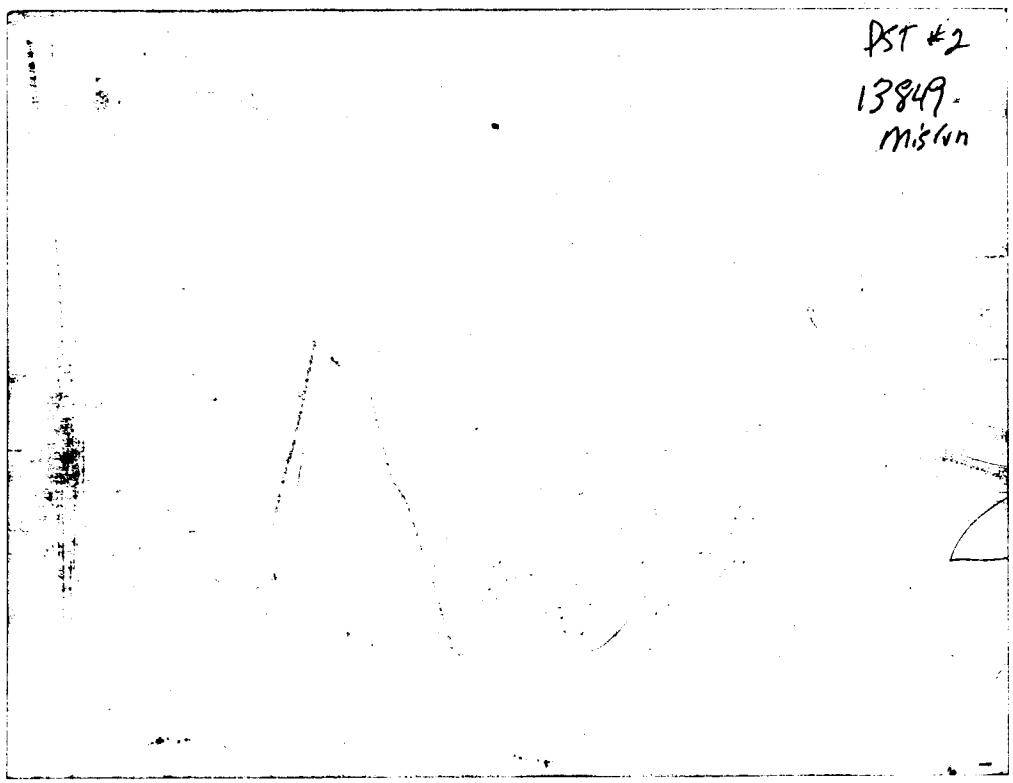

This is a photocopy of the actual AK-1 recorder chart

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK#10783 DST#2 Ladora#1 G.L.B Exploration.

DATE: 04/20/98 TIME: 14:38:10

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	118.00	2327.3	0.0	107.51		
****** Start Flow 1	0.00	2291.2	0.0	112.72		
****** End Flow 1	1.00	2186.6	-104.7	112.71		
****** End Shut-in 1	146.00	2186.6	0.0	112.71	0.0068	4.781
****** Final Hydro.	145.00	2186.6	0.0	112.71		

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 10783

Well Name & No. Ladora #1 Test No. #2 Date 4/20/98

Company G,L,B Exploration. Zone Tested

Address 200 N. Harvey, Suite 800, Oklahoma City OK Elevation 1995 KB 1984 GL

Co. Rep / Geo. Bill Hamilton Cont. Duke #5 Est. Ft. of Pay Por. %

Location: Sec. 25 Twp. 28S Rge. 14W Co. Pratt State KS

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

Interval Tested 4440 - 4490 Initial Str Wt./Lbs. 22,000 Unseated Str Wt./Lbs. 80,000

Anchor Length 50' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 89,000

Top Packer Depth 4435' Tool Weight 2100

Bottom Packer Depth 4440 & 4490 (3) Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓

Total Depth 4640' Wt. Pipe Run Drill Collar Run 486' XH

Mud Wt. 9.3 LCM @* Vis. 54 WL 13.1 Drill Pipe Size 4½ XH Ft. Run 4131'

Blow Description IF:

FF: Packer Failure

Recovery — Total Feet 1400' GIP Ft. in DC 486' Ft. in DP 914'

Rec. 1400'	Feet Of Drilling Mud	%gas	%oil	%water	%mud
Rec.	Feet Of	%gas	%oil	%water	%mud
Rec.	Feet Of	%gas	%oil	%water	%mud
Rec.	Feet Of	%gas	%oil	%water	%mud
Rec.	Feet Of	%gas	%oil	%water	%mud

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

RW @ °F Chlorides ppm Recovery Chlorides ppm System

(A) Initial Hydrostatic Mud	2327 PSI	Recorder No. 2350 I	T-Started 14:35
(B) First Initial Flow Pressure	PSI	(depth) 4451	T-Open 16:49
(C) First Final Flow Pressure	PSI	Recorder No. 10991 O	T-Pulled 16:55
(D) Initial Shut-in Pressure	PSI	(depth) 4483	T-Out
(E) Second Initial Flow Pressure	PSI	Recorder No. 13849 5	
(F) Second Final Flow Pressure	PSI	(depth)	
(G) Final Shut-in Pressure	PSI	Initial Opening (5)	Test ✓
(H) Final Hydrostatic Mud	2291 PSI	Initial Shut-in	Jars ✓
		Final Flow	Safety Joint ✓
		Final Shut-in	Straddle ✓
			Circ. Sub
			Sampler
			Extra Packer
			Elect. Rec. ✓
			Other

AK-1 ALPINE

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Approved By Jerry Rogers agent

TRILOBITE TESTING L.L.C.

OPERATOR : G.L.B DATE 04/20/98
WELL NAME: Ladora KB 1995.00 ft TICKET NO: 10784 DST #3
LOCATION : 25-28s-14w GR 1984.00 ft FORMATION: Viola
INTERVAL : 4444.00 To 4490.00 ft TD 4640.00 ft TEST TYPE: CONVENTIONAL/STRADD

RECORDER DATA

Mins		Field	1	2	3	4
PF 15	Rec.	10991	10991	2350		
SI 30	Range(Psi)	4200.0	4200.0	4995.0	0.0	0.0
SF 60	Clock(hrs)	12hr.	12hr.	elec.		
FS 240	Depth(ft)	4482.0	4482.0	4457.0	0.0	0.0

	Field	1	2	3	4
A. Init Hydro	2366.0	2340.0	2322.0	0.0	0.0
B. First Flow	64.0	54.0	79.0	0.0	0.0
B1. Final Flow	53.0	54.0	76.0	0.0	0.0
C. In Shut-in	372.0	378.0	432.0	0.0	0.0
D. Init Flow	85.0	85.0	80.0	0.0	0.0
E. Final Flow	96.0	109.0	134.0	0.0	0.0
F. Fl Shut-in	553.0	464.0	580.0	0.0	0.0
G. Final Hydro	2229.0	2227.0	2110.0	0.0	0.0
Inside/Outside	O	O	I		

TIME DATA----------
PF Fr. 2231 to 2246 hr
IS Fr. 2246 to 2316 hr
SF Fr. 2316 to 0016 hr
FS Fr. 0016 to 0416 hr

T STARTED 1947 hr
T ON BOTM 2228 hr
T OPEN 2231 hr
T PULLED 0416 hr
T OUT 0700 hr

RECOVERY
Tot Fluid 210.00 ft of 210.00 ft in DC and 0.00 ft in DP
100.00 ft of Slight gas cut mud 2%gas 98%mud
110.00 ft of Gas cut mud 10%gas 90%mud
1060.00 ft of Gas in pipe
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

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

Tool Wt.	2100.00 lbs
Wt Set On Packer	22000.00 lbs
Wt Pulled Loose	82000.00 lbs
Initial Str Wt	72000.00 lbs
Unseated Str Wt	76000.00 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	486.00 ft
D.P. Length	4131.00 ft

BLOW DESCRIPTION
Initial Flow:
Strong blow bottom of bucket in 6 mins.
Initial Shtu-in:
Bled down for 3 mins.Weak blow back

Final Flow:
Strong blow bottom of bucket in 3 mins
Final Shut-in:
Bled down for 3 misns. no blow back

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

Mud Type	Chemical
Weight	9.30 lb/cf
Vis.	54.00 S/L
W.L.	13.10 in3
F.C.	0.23 in
Mud Drop	N
Amt. of fill	0.00 ft
Btm. H. Temp.	119.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	3
Cushion Amt.	0.00 n
Cushion Type	none
Reversed Out	N
Tool Chased	N
Tester	Darren Amerine
Co. Rep.	Bill Hamilton
Contr.	Duke
Rig #	5
Unit #	none
Pump T.	n

SAMPLES:
SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL/STRADD

WELL NAME: Ladora

LOCATION : 25-28s-14w

TICKET No. 10784 D.S.T. No. 3 DATE 04/20/98

TOTAL TOOL TO BOTTOM OF TOP PACKERS 30

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR 40

TOTAL TOOL 70

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands 2 Single 1 Total 155

TOTAL ASSEMBLY 225

D.C. ABOVE TOOLS.Stands 8 Single Total 486

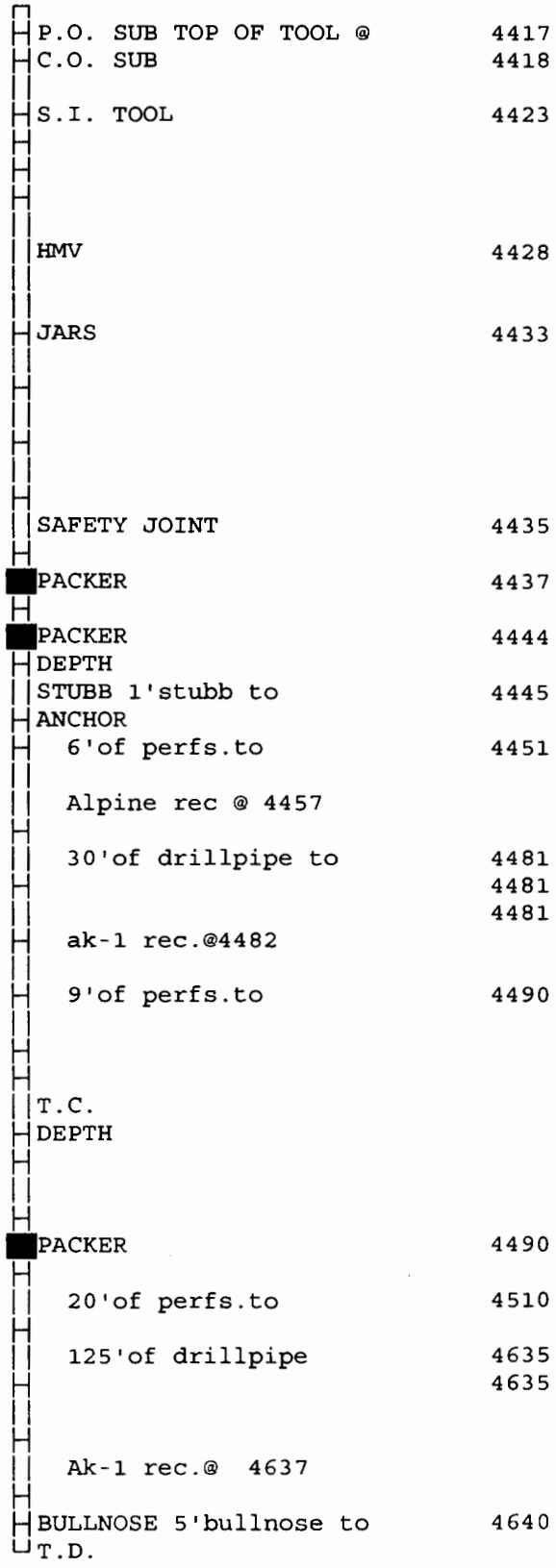
D.P. ABOVE TOOLS.Stands 63 Single 1 Total 3946

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4657

TOTAL DEPTH 4640

TOTAL DRILL PIPE ABOVE K.B. 17

REMARKS:

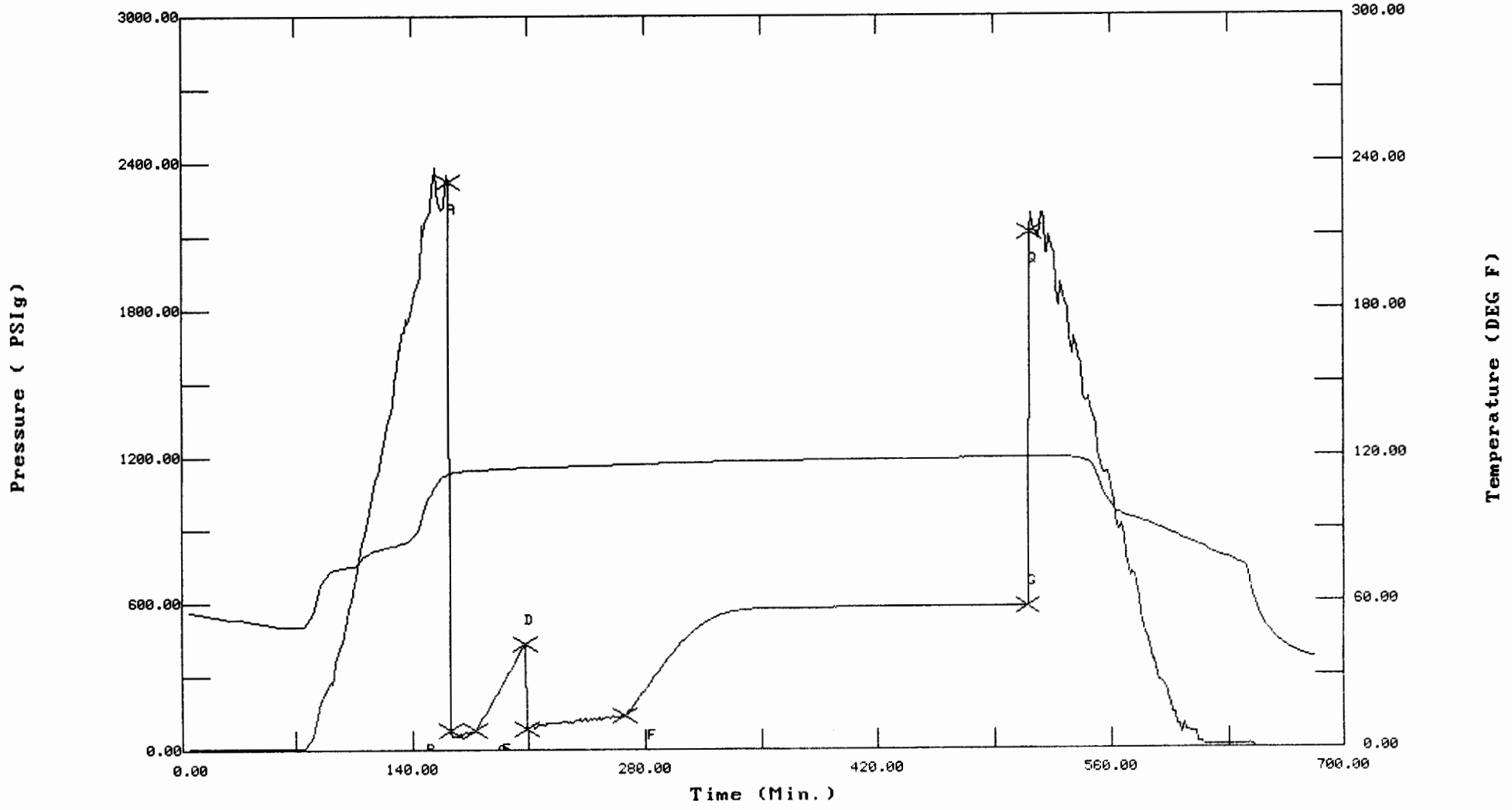


TEST HISTORY

Tk#10784 DST#3 Laqdora #1 G.L.B Exploration.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2321.69
B:	0.00	78.63
C:	15.00	75.53
D:	30.00	431.55
E:	0.00	79.81
F:	59.00	134.28
G:	242.00	579.67
Q:	0.00	2109.77



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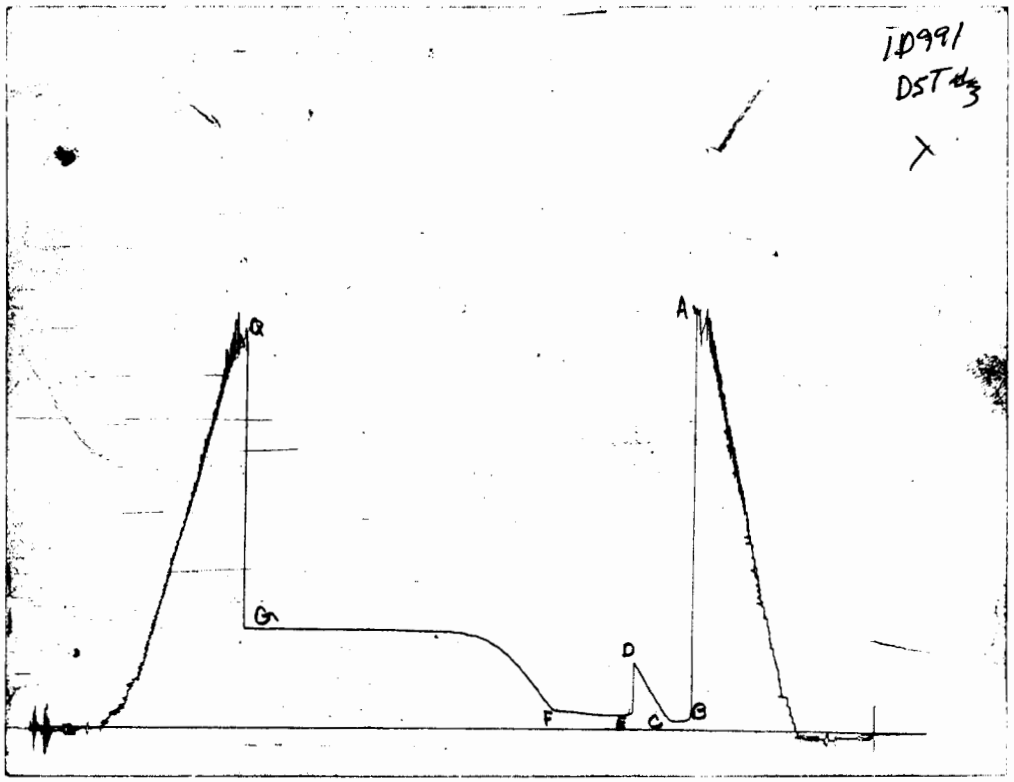

This is a photocopy of the actual AK-1 recorder chart

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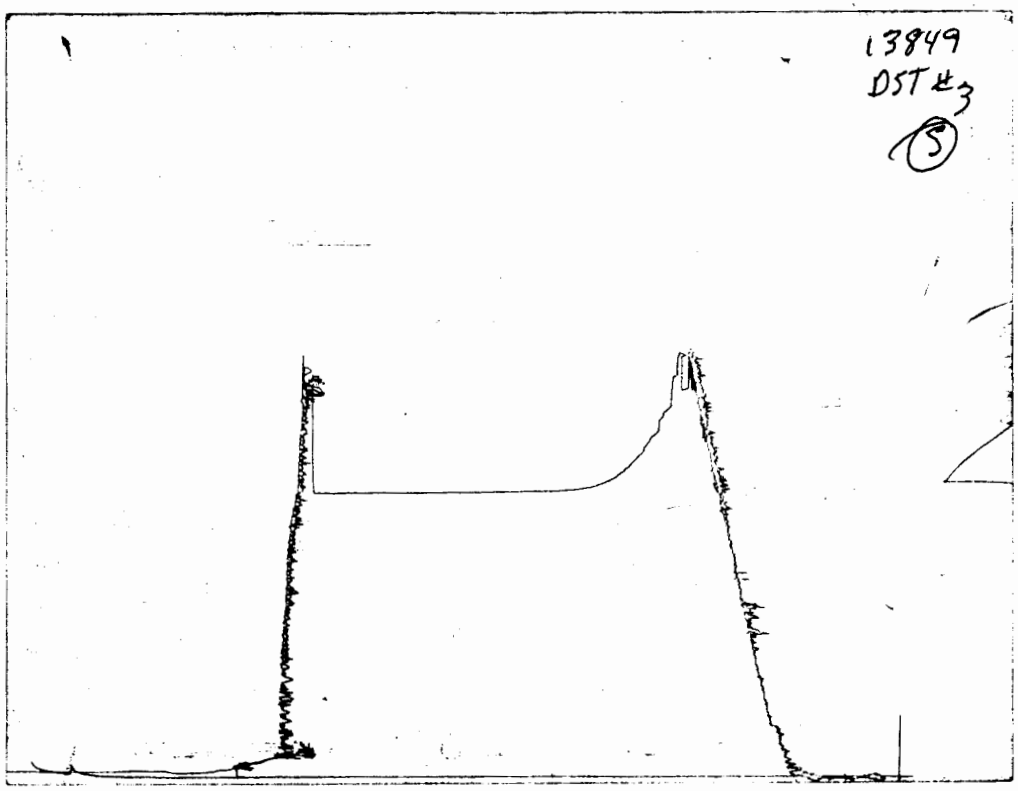

This is a photocopy of the actual AK-1 recorder chart

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10784 DST#3 Laqdora #1 G.L.B Exploration.

DATE: 04/20/98 TIME: 19:48:54

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	162.00	2321.7	0.0	113.02		
****** Start Flow 1	0.00	78.6	0.0	113.34		
	1.00	50.9	-27.8	113.60		
	2.00	53.8	-24.8	113.79		
	3.00	53.5	-25.1	113.93		
	4.00	54.1	-24.5	114.03		
	5.00	58.7	-19.9	114.09		
	6.00	61.2	-17.5	114.15		
	7.00	58.7	-20.0	114.20		
	8.00	64.0	-14.6	114.24		
	9.00	67.6	-11.1	114.28		
	10.00	70.2	-8.4	114.30		
	11.00	66.5	-12.1	114.35		
	12.00	70.7	-8.0	114.38		
	13.00	70.9	-7.7	114.42		
	14.00	71.0	-7.6	114.45		
****** End Flow 1	15.00	75.5	-3.1	114.48		
****** Start Shutin 1	0.00	75.5	0.0	114.48	0.0000	0.006
	1.00	88.5	12.9	114.53	16.0000	0.008
	2.00	101.0	25.5	114.55	8.5000	0.010
	3.00	112.7	37.2	114.59	6.0000	0.013
	4.00	123.4	47.9	114.64	4.7500	0.015
	5.00	133.7	58.2	114.66	4.0000	0.018
	6.00	144.5	69.0	114.71	3.5000	0.021
	7.00	155.5	80.0	114.74	3.1429	0.024
	8.00	167.2	91.6	114.79	2.8750	0.028
	9.00	179.1	103.6	114.82	2.6667	0.032
	10.00	190.9	115.4	114.86	2.5000	0.036
	11.00	202.5	127.0	114.91	2.3636	0.041
	12.00	214.1	138.6	114.94	2.2500	0.046
	13.00	225.1	149.6	114.98	2.1538	0.051
	14.00	237.0	161.5	115.01	2.0714	0.056
	15.00	249.1	173.6	115.06	2.0000	0.062
	16.00	261.3	185.8	115.09	1.9375	0.068
	17.00	272.7	197.1	115.13	1.8824	0.074
	18.00	285.1	209.6	115.17	1.8333	0.081
	19.00	297.1	221.6	115.20	1.7895	0.088
	20.00	308.7	233.2	115.23	1.7500	0.095
	21.00	321.0	245.5	115.27	1.7143	0.103
	22.00	333.4	257.8	115.30	1.6818	0.111
	23.00	346.0	270.5	115.33	1.6522	0.120
	24.00	358.9	283.3	115.37	1.6250	0.129
	25.00	371.5	295.9	115.40	1.6000	0.138
	26.00	384.1	308.6	115.42	1.5769	0.148
	27.00	396.2	320.7	115.46	1.5556	0.157
	28.00	407.9	332.4	115.49	1.5357	0.166
	29.00	419.9	344.4	115.51	1.5172	0.176
****** End Shut-in 1	30.00	431.5	356.0	115.54	1.5000	0.186
****** Start Flow 2	0.00	79.8	0.0	115.55		
	1.00	90.4	10.6	115.57		
	2.00	87.3	7.5	115.58		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10784 DST#3 Laqdora #1 G.L.B Exploration.

DATE: 04/20/98 TIME: 19:48:54

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
3.00	91.6	11.7	115.59		
4.00	97.8	18.0	115.60		
5.00	84.3	4.4	115.63		
6.00	92.7	12.9	115.63		
7.00	98.9	19.1	115.65		
8.00	98.2	18.4	115.66		
9.00	102.6	22.7	115.68		
10.00	97.7	17.9	115.70		
11.00	96.2	16.4	115.71		
12.00	103.7	23.9	115.73		
13.00	104.6	24.8	115.75		
14.00	106.1	26.3	115.77		
15.00	106.2	26.4	115.79		
16.00	105.3	25.5	115.81		
17.00	104.6	24.8	115.83		
18.00	108.4	28.6	115.85		
19.00	107.0	27.2	115.87		
20.00	108.6	28.8	115.90		
21.00	108.6	28.8	115.92		
22.00	111.4	31.6	115.95		
23.00	110.7	30.9	115.97		
24.00	110.4	30.5	115.99		
25.00	105.1	25.3	116.01		
26.00	112.3	32.5	116.03		
27.00	105.2	25.3	116.06		
28.00	108.0	28.2	116.08		
29.00	114.3	34.5	116.10		
30.00	118.6	38.8	116.12		
31.00	118.5	38.7	116.15		
32.00	121.6	41.8	116.17		
33.00	110.9	31.1	116.19		
34.00	118.3	38.5	116.21		
35.00	120.8	41.0	116.24		
36.00	121.6	41.8	116.26		
37.00	114.6	34.8	116.28		
38.00	121.7	41.9	116.31		
39.00	118.2	38.4	116.33		
40.00	123.4	43.6	116.35		
41.00	126.5	46.7	116.36		
42.00	120.2	40.4	116.39		
43.00	124.8	45.0	116.41		
44.00	128.9	49.1	116.44		
45.00	117.1	37.3	116.45		
46.00	124.1	44.3	116.47		
47.00	127.6	47.8	116.49		
48.00	127.4	47.6	116.52		
49.00	130.5	50.7	116.54		
50.00	125.0	45.2	116.56		
51.00	129.6	49.8	116.58		
52.00	133.8	54.0	116.60		
53.00	131.9	52.1	116.62		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10784 DST#3 Laqdora #1 G.L.B Exploration.

DATE: 04/20/98 TIME: 19:48:54

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	54.00	132.3	52.5	116.64		
	55.00	128.9	49.1	116.66		
	56.00	128.1	48.3	116.68		
	57.00	132.8	53.0	116.70		
	58.00	136.2	56.4	116.72		
****** End Flow 2	59.00	134.3	54.5	116.74		
****** Start Shutin 2	0.00	134.3	0.0	116.74	0.0000	0.018
	1.00	143.2	8.9	116.77	75.0000	0.020
	2.00	152.2	18.0	116.79	38.0000	0.023
	3.00	161.0	26.7	116.81	25.6667	0.026
	4.00	169.6	35.3	116.83	19.5000	0.029
	5.00	178.3	44.0	116.86	15.8000	0.032
	6.00	187.2	53.0	116.88	13.3333	0.035
	7.00	196.4	62.1	116.90	11.5714	0.039
	8.00	205.4	71.2	116.92	10.2500	0.042
	9.00	214.3	80.0	116.95	9.2222	0.046
	10.00	223.5	89.2	116.98	8.4000	0.050
	11.00	233.0	98.7	117.00	7.7273	0.054
	12.00	242.2	107.9	117.01	7.1667	0.059
	13.00	251.2	116.9	117.04	6.6923	0.063
	14.00	260.8	126.5	117.05	6.2857	0.068
	15.00	270.3	136.0	117.07	5.9333	0.073
	16.00	279.8	145.5	117.11	5.6250	0.078
	17.00	289.0	154.8	117.13	5.3529	0.084
	18.00	298.2	163.9	117.16	5.1111	0.089
	19.00	307.3	173.1	117.17	4.8947	0.094
	20.00	316.5	182.2	117.20	4.7000	0.100
	21.00	325.5	191.3	117.22	4.5238	0.106
	22.00	334.7	200.4	117.24	4.3636	0.112
	23.00	343.9	209.7	117.27	4.2174	0.118
	24.00	352.9	218.6	117.29	4.0833	0.125
	25.00	361.8	227.5	117.30	3.9600	0.131
	26.00	370.7	236.4	117.33	3.8462	0.137
	27.00	379.3	245.0	117.35	3.7407	0.144
	28.00	387.7	253.5	117.36	3.6429	0.150
	29.00	396.1	261.9	117.39	3.5517	0.157
	30.00	404.3	270.0	117.41	3.4667	0.163
	31.00	412.3	278.1	117.44	3.3871	0.170
	32.00	419.9	285.6	117.45	3.3125	0.176
	33.00	427.4	293.2	117.47	3.2424	0.183
	34.00	434.7	300.4	117.49	3.1765	0.189
	35.00	441.7	307.4	117.51	3.1143	0.195
	36.00	448.7	314.4	117.52	3.0556	0.201
	37.00	455.3	321.0	117.55	3.0000	0.207
	38.00	461.9	327.7	117.56	2.9474	0.213
	39.00	468.2	333.9	117.58	2.8974	0.219
	40.00	474.1	339.8	117.60	2.8500	0.225
	41.00	480.1	345.8	117.62	2.8049	0.230
	42.00	485.7	351.4	117.64	2.7619	0.236
	43.00	490.7	356.4	117.66	2.7209	0.241
	44.00	495.7	361.4	117.67	2.6818	0.246

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10784 DST#3 Laqdora #1 G.L.B Exploration.

DATE: 04/20/98 TIME: 19:48:54

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
45.00	500.6	366.3	117.69	2.6444	0.251
46.00	505.4	371.1	117.70	2.6087	0.255
47.00	510.0	375.7	117.72	2.5745	0.260
48.00	514.6	380.3	117.74	2.5417	0.265
49.00	518.7	384.5	117.75	2.5102	0.269
50.00	522.9	388.6	117.76	2.4800	0.273
51.00	526.7	392.4	117.78	2.4510	0.277
52.00	530.3	396.1	117.80	2.4231	0.281
53.00	533.6	399.3	117.82	2.3962	0.285
54.00	536.9	402.6	117.83	2.3704	0.288
55.00	540.1	405.8	117.84	2.3455	0.292
56.00	542.8	408.6	117.85	2.3214	0.295
57.00	545.4	411.2	117.86	2.2982	0.298
58.00	548.0	413.7	117.89	2.2759	0.300
59.00	550.3	416.0	117.90	2.2542	0.303
60.00	552.6	418.3	117.91	2.2333	0.305
61.00	554.5	420.2	117.93	2.2131	0.307
62.00	556.4	422.2	117.94	2.1935	0.310
63.00	558.1	423.8	117.95	2.1746	0.311
64.00	559.6	425.3	117.97	2.1562	0.313
65.00	561.2	426.9	117.97	2.1385	0.315
66.00	562.5	428.2	117.99	2.1212	0.316
67.00	563.7	429.4	118.00	2.1045	0.318
68.00	564.8	430.5	118.02	2.0882	0.319
69.00	565.7	431.5	118.03	2.0725	0.320
70.00	566.8	432.6	118.04	2.0571	0.321
71.00	567.7	433.4	118.06	2.0423	0.322
72.00	568.4	434.1	118.06	2.0278	0.323
73.00	569.1	434.8	118.07	2.0137	0.324
74.00	569.8	435.5	118.09	2.0000	0.325
75.00	570.4	436.1	118.10	1.9867	0.325
76.00	570.9	436.6	118.10	1.9737	0.326
77.00	571.4	437.1	118.11	1.9610	0.326
78.00	571.8	437.5	118.13	1.9487	0.327
79.00	572.1	437.9	118.14	1.9367	0.327
80.00	572.5	438.2	118.16	1.9250	0.328
81.00	572.8	438.5	118.17	1.9136	0.328
82.00	573.2	438.9	118.18	1.9024	0.329
83.00	573.4	439.1	118.18	1.8916	0.329
84.00	573.6	439.3	118.19	1.8810	0.329
85.00	573.8	439.5	118.20	1.8706	0.329
86.00	574.1	439.8	118.22	1.8605	0.330
87.00	574.2	439.9	118.23	1.8506	0.330
88.00	574.3	440.0	118.24	1.8409	0.330
89.00	574.6	440.3	118.25	1.8315	0.330
90.00	574.7	440.5	118.27	1.8222	0.330
91.00	574.9	440.6	118.26	1.8132	0.331
92.00	575.0	440.7	118.29	1.8043	0.331
93.00	575.1	440.9	118.29	1.7957	0.331
94.00	575.3	441.0	118.29	1.7872	0.331
95.00	575.5	441.2	118.30	1.7789	0.331

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10784 DST#3 Laqdora #1 G.L.B Exploration.

DATE: 04/20/98 TIME: 19:48:54

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
96.00	575.6	441.3	118.31	1.7708	0.331
97.00	575.6	441.3	118.33	1.7629	0.331
98.00	575.7	441.5	118.34	1.7551	0.331
99.00	575.8	441.5	118.34	1.7475	0.332
100.00	575.9	441.6	118.35	1.7400	0.332
101.00	576.1	441.8	118.36	1.7327	0.332
102.00	576.1	441.8	118.37	1.7255	0.332
103.00	576.2	441.9	118.38	1.7184	0.332
104.00	576.3	442.0	118.39	1.7115	0.332
105.00	576.3	442.0	118.40	1.7048	0.332
106.00	576.4	442.1	118.41	1.6981	0.332
107.00	576.5	442.2	118.42	1.6916	0.332
108.00	576.6	442.3	118.43	1.6852	0.332
109.00	576.6	442.4	118.45	1.6789	0.333
110.00	576.6	442.4	118.44	1.6727	0.333
111.00	576.6	442.4	118.45	1.6667	0.333
112.00	576.9	442.6	118.45	1.6607	0.333
113.00	576.9	442.6	118.46	1.6549	0.333
114.00	576.8	442.5	118.47	1.6491	0.333
115.00	577.0	442.7	118.47	1.6435	0.333
116.00	577.1	442.8	118.49	1.6379	0.333
117.00	577.1	442.8	118.49	1.6325	0.333
118.00	577.1	442.9	118.50	1.6271	0.333
119.00	577.1	442.9	118.52	1.6218	0.333
120.00	577.2	443.0	118.52	1.6167	0.333
121.00	577.2	443.0	118.52	1.6116	0.333
122.00	577.3	443.0	118.54	1.6066	0.333
123.00	577.3	443.0	118.54	1.6016	0.333
124.00	577.2	443.0	118.55	1.5968	0.333
125.00	577.2	443.0	118.55	1.5920	0.333
126.00	577.4	443.1	118.56	1.5873	0.333
127.00	577.3	443.1	118.58	1.5827	0.333
128.00	577.6	443.3	118.58	1.5781	0.334
129.00	577.6	443.3	118.59	1.5736	0.334
130.00	577.6	443.3	118.59	1.5692	0.334
131.00	577.6	443.3	118.61	1.5649	0.334
132.00	577.6	443.3	118.61	1.5606	0.334
133.00	577.7	443.5	118.62	1.5564	0.334
134.00	577.7	443.5	118.63	1.5522	0.334
135.00	577.7	443.5	118.63	1.5481	0.334
136.00	577.7	443.4	118.64	1.5441	0.334
137.00	577.8	443.5	118.64	1.5401	0.334
138.00	577.8	443.5	118.64	1.5362	0.334
139.00	577.8	443.5	118.66	1.5324	0.334
140.00	577.8	443.5	118.66	1.5286	0.334
141.00	577.9	443.6	118.67	1.5248	0.334
142.00	577.9	443.6	118.67	1.5211	0.334
143.00	577.9	443.6	118.68	1.5175	0.334
144.00	578.0	443.7	118.68	1.5139	0.334
145.00	578.0	443.7	118.69	1.5103	0.334
146.00	578.0	443.7	118.70	1.5068	0.334

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
TEST: Tk#10784 DST#3 Laqdora #1 G.L.B Exploration.
DATE: 04/20/98 TIME: 19:48:54

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
147.00	578.1	443.8	118.71	1.5034	0.334
148.00	578.1	443.8	118.70	1.5000	0.334
149.00	578.1	443.8	118.72	1.4966	0.334
150.00	578.1	443.8	118.72	1.4933	0.334
151.00	578.2	444.0	118.73	1.4901	0.334
152.00	578.2	444.0	118.75	1.4868	0.334
153.00	578.2	444.0	118.74	1.4837	0.334
154.00	578.2	444.0	118.74	1.4805	0.334
155.00	578.2	444.0	118.75	1.4774	0.334
156.00	578.2	444.0	118.76	1.4744	0.334
157.00	578.2	444.0	118.77	1.4713	0.334
158.00	578.2	444.0	118.77	1.4684	0.334
159.00	578.2	444.0	118.78	1.4654	0.334
160.00	578.2	444.0	118.79	1.4625	0.334
161.00	578.4	444.1	118.79	1.4596	0.335
162.00	578.4	444.1	118.79	1.4568	0.335
163.00	578.4	444.1	118.81	1.4540	0.335
164.00	578.4	444.1	118.80	1.4512	0.335
165.00	578.4	444.1	118.81	1.4485	0.335
166.00	578.4	444.1	118.82	1.4458	0.335
167.00	578.4	444.1	118.83	1.4431	0.335
168.00	578.4	444.1	118.83	1.4405	0.335
169.00	578.6	444.3	118.83	1.4379	0.335
170.00	578.6	444.3	118.84	1.4353	0.335
171.00	578.6	444.3	118.85	1.4327	0.335
172.00	578.6	444.3	118.85	1.4302	0.335
173.00	578.7	444.4	118.86	1.4277	0.335
174.00	578.7	444.4	118.87	1.4253	0.335
175.00	578.7	444.5	118.87	1.4229	0.335
176.00	578.7	444.5	118.87	1.4205	0.335
177.00	578.7	444.5	118.88	1.4181	0.335
178.00	578.7	444.4	118.89	1.4157	0.335
179.00	578.8	444.6	118.90	1.4134	0.335
180.00	578.8	444.6	118.90	1.4111	0.335
181.00	578.7	444.5	118.90	1.4088	0.335
182.00	578.7	444.5	118.91	1.4066	0.335
183.00	578.7	444.5	118.92	1.4044	0.335
184.00	578.9	444.6	118.93	1.4022	0.335
185.00	578.9	444.6	118.92	1.4000	0.335
186.00	578.9	444.6	118.93	1.3978	0.335
187.00	578.9	444.6	118.93	1.3957	0.335
188.00	578.9	444.6	118.94	1.3936	0.335
189.00	578.8	444.6	118.95	1.3915	0.335
190.00	578.8	444.6	118.96	1.3895	0.335
191.00	579.0	444.7	118.96	1.3874	0.335
192.00	579.0	444.7	118.97	1.3854	0.335
193.00	579.0	444.7	118.97	1.3834	0.335
194.00	579.1	444.8	118.98	1.3814	0.335
195.00	579.1	444.8	118.98	1.3795	0.335
196.00	579.1	444.8	118.99	1.3776	0.335
197.00	579.2	444.9	119.00	1.3756	0.335

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10784 DST#3 Laqdora #1 G.L.B Exploration.

DATE: 04/20/98 TIME: 19:48:54

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	198.00	579.2	444.9	119.00	1.3737	0.335
	199.00	579.1	444.8	119.00	1.3719	0.335
	200.00	579.3	445.0	119.01	1.3700	0.336
	201.00	579.2	444.9	119.02	1.3682	0.335
	202.00	579.3	445.1	119.02	1.3663	0.336
	203.00	579.3	445.1	119.02	1.3645	0.336
	204.00	579.3	445.1	119.03	1.3627	0.336
	205.00	579.3	445.1	119.04	1.3610	0.336
	206.00	579.2	445.0	119.04	1.3592	0.336
	207.00	579.2	445.0	119.04	1.3575	0.336
	208.00	579.2	445.0	119.03	1.3558	0.336
	209.00	579.5	445.2	119.05	1.3541	0.336
	210.00	579.3	445.1	119.05	1.3524	0.336
	211.00	579.4	445.2	119.05	1.3507	0.336
	212.00	579.3	445.0	119.07	1.3491	0.336
	213.00	579.3	445.0	119.06	1.3474	0.336
	214.00	579.4	445.1	119.08	1.3458	0.336
	215.00	579.4	445.1	119.08	1.3442	0.336
	216.00	579.4	445.1	119.08	1.3426	0.336
	217.00	579.4	445.1	119.09	1.3410	0.336
	218.00	579.4	445.1	119.10	1.3394	0.336
	219.00	579.5	445.2	119.10	1.3379	0.336
	220.00	579.5	445.2	119.09	1.3364	0.336
	221.00	579.5	445.2	119.11	1.3348	0.336
	222.00	579.6	445.3	119.11	1.3333	0.336
	223.00	579.6	445.3	119.12	1.3318	0.336
	224.00	579.4	445.1	119.12	1.3304	0.336
	225.00	579.4	445.1	119.12	1.3289	0.336
	226.00	579.5	445.2	119.13	1.3274	0.336
	227.00	579.6	445.3	119.14	1.3260	0.336
	228.00	579.6	445.3	119.14	1.3246	0.336
	229.00	579.6	445.3	119.14	1.3231	0.336
	230.00	579.6	445.3	119.16	1.3217	0.336
	231.00	579.4	445.2	119.16	1.3203	0.336
	232.00	579.7	445.4	119.17	1.3190	0.336
	233.00	579.7	445.4	119.17	1.3176	0.336
	234.00	579.7	445.4	119.17	1.3162	0.336
	235.00	579.7	445.5	119.18	1.3149	0.336
	236.00	579.6	445.3	119.19	1.3136	0.336
	237.00	579.6	445.3	119.18	1.3122	0.336
	238.00	579.6	445.3	119.18	1.3109	0.336
	239.00	579.6	445.3	119.20	1.3096	0.336
	240.00	579.7	445.4	119.19	1.3083	0.336
	241.00	579.7	445.4	119.21	1.3071	0.336
****** End Shut-in 2	242.00	579.7	445.4	119.21	1.3058	0.336
****** Final Hydro.	511.00	2109.8	0.0	119.23		

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 10784

Well Name & No. Ladora #1 Test No. #3 Date 4/20/98

Company G.L.B Exploration Zone Tested Viola

Address 200 N. Harvey Suite 800 Oklahoma City OK Elevation 1995 KB 1984 GL

Co. Rep / Geo. Bill Hamilton Cont. Duke #5 Est. Ft. of Pay ____ Por. ____ %

Location: Sec. 25 Twp. 28S Rge. 14W Co. Pratt State KS

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

Interval Tested 4444' - 4490' Initial Str Wt./Lbs. 72,000 Unseated Str Wt./Lbs. 76,000

Anchor Length 46' 150' Tailpipe Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 82,000

Top Packer Depth 4439' Tool Weight 2100

Bottom Packer Depth 4444' - 4490 Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓

Total Depth 4640' Wt. Pipe Run ____ Drill Collar Run 486 xH

Mud Wt. 9.3 LCM 9# Vis. 54 WL 13.1 Drill Pipe Size 4½ xH Ft. Run 4131'

Blow Description IF: Strong blow. B.O.B in 1 mins.

ISI: Bled down for 3 mins. B.B. to Weak Surface blow.

FF: Strong blow. B.O.B in 3 mins.

FSI: Bled down for 5 mins. No. bb

Recovery — Total Feet 210' GIP 1060' Ft. in DC 210 Ft. in DP ____

Rec. 100'	Feet Of	2 %gas	%oil	%water	98	%mud
Rec. 110	Feet Of	10 %gas	%oil	%water	90	%mud
Rec. ____	Feet Of	%gas	%oil	%water		%mud
Rec. ____	Feet Of	%gas	%oil	%water		%mud
Rec. ____	Feet Of	%gas	%oil	%water		%mud

BHT 119° °F Gravity ____ °API D@ ____ °F Corrected Gravity ____ °API

RW ____ @ ____ °F Chlorides ____ ppm Recovery Chlorides 5600 ppm System

(A) Initial Hydrostatic Mud	2366	2322	PSI	Recorder No.	2350 (T)	T-Started	19:47
(B) First Initial Flow Pressure	64	79	PSI	(depth)	4457'	T-Open	22:31
(C) First Final Flow Pressure	53	76	PSI	Recorder No.	10991 (O)	T-Pulled	04:16
(D) Initial Shut-in Pressure	372	432	PSI	(depth)	4482'	T-Out	07:00
(E) Second Initial Flow Pressure	85	80	PSI	Recorder No.	13849 (5)		
(F) Second Final Flow Pressure	96	134	PSI	(depth)	4637'		
(G) Final Shut-in Pressure	553	580	PSI	Initial Opening	15	Test	✓
(H) Final Hydrostatic Mud	2229	2110	PSI	Initial Shut-in	30	Jars	✓
	DK+1	Alpine		Final Flow	60	Safety Joint	✓
				Final Shut-in	240	Straddle	✓
						Circ. Sub	
						Sampler	
						Extra Packer	
						Elect. Rec.	✓
						Other	Shale Packer

Approved By Larry Rogers