

15-095-21710

8-28s-9w

WELL NAME: #1 Goff
COMPANY: Kenneth S. White
LOCATION: 8-28S-9W
Kingman County Kansas
DATE: 08/02/96

TEST HISTORY

TK #9399 DST#1 #1 GOFF KEN WHITE

Flag Points

t (Min.) P (PSig)

R: 0.00 1241.45

Q: 0.00 1223.66

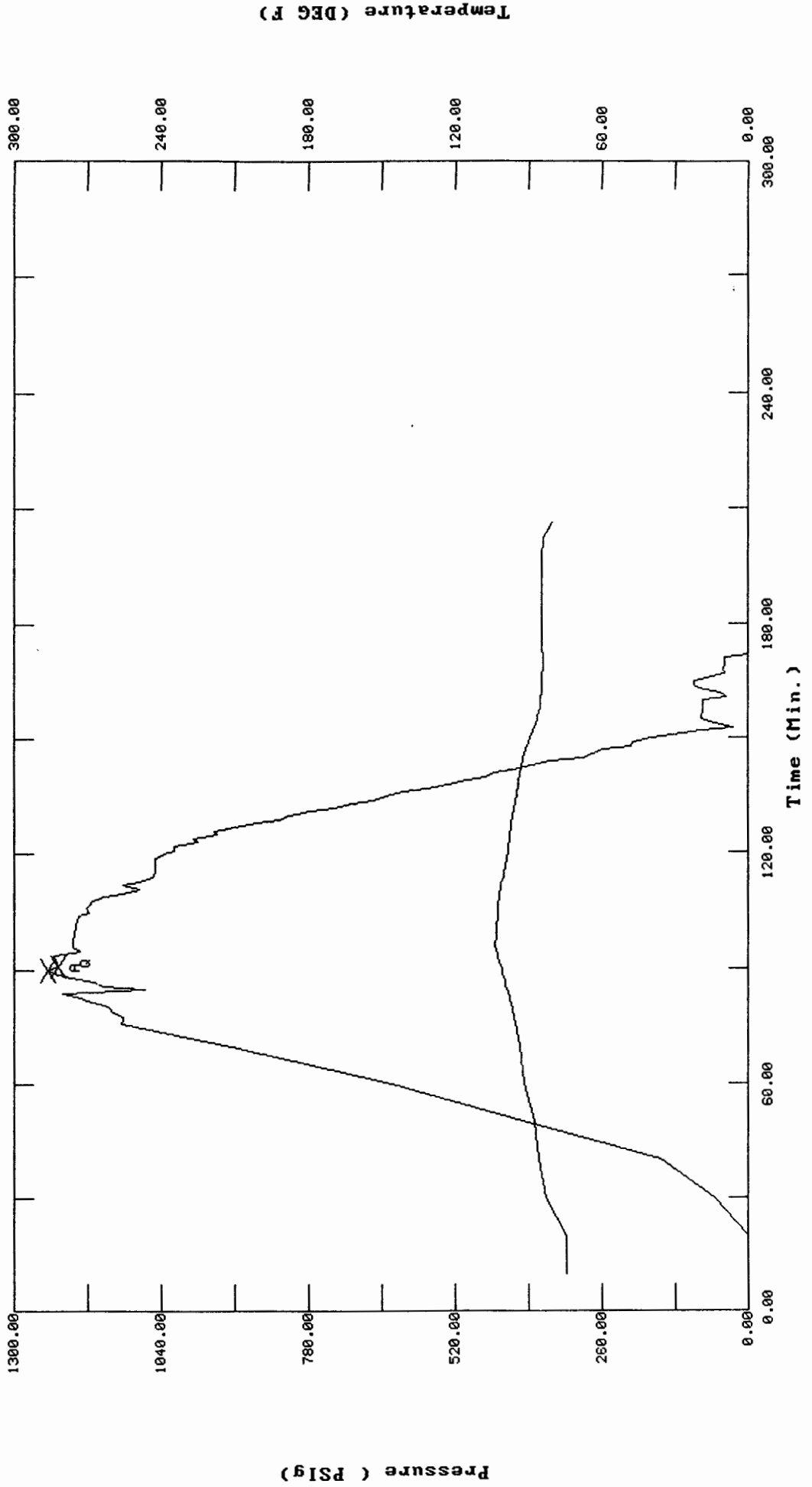
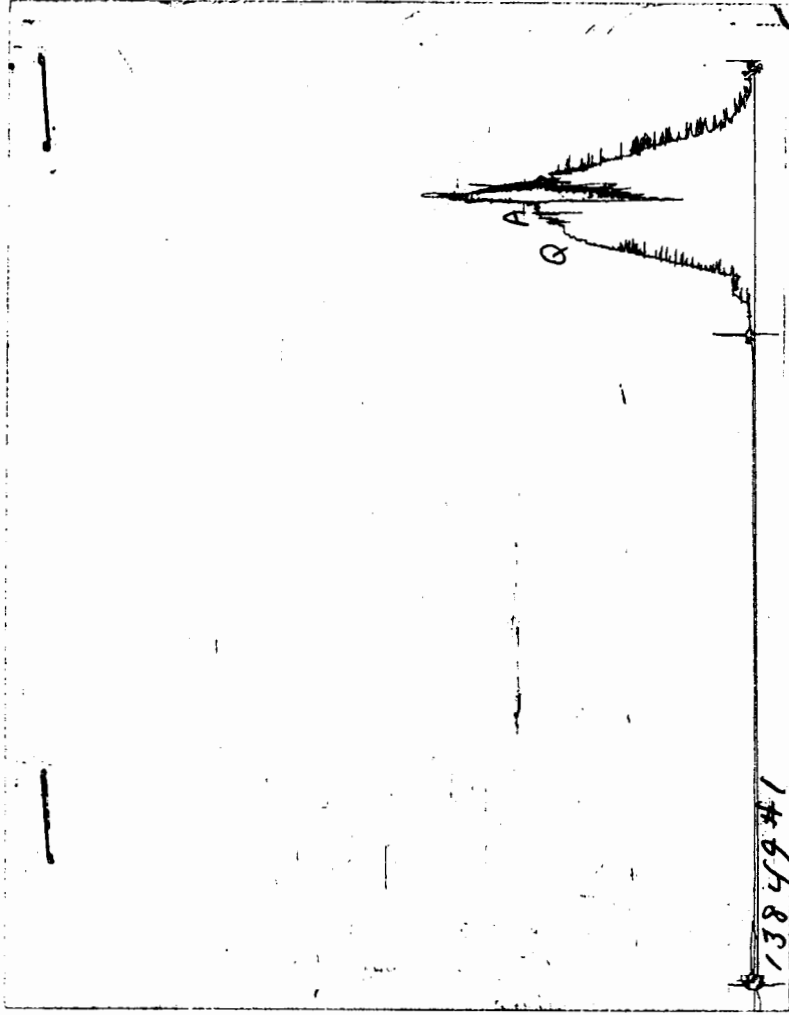


CHART PAGE



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

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK #9399 DST#1 #1 GOFF KEN WHITE

DATE: 01/20/94 TIME: 00:23:16

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	90.00	1241.5	0.0	100.96		
***** Start Flow 1	0.00	1223.7	0.0	101.38		
***** End Flow 1	1.00	1224.9	1.3	101.83		
***** End Shut-in 1	93.00	1224.9	0.0	101.83	0.0108	1.500
***** Final Hydro.	92.00	1224.9	0.0	101.83		

*** TOOL DIAGRAM *** CONV

WELL NAME: #1 Goff

LOCATION : 8-28S-9W, Kingman Cty KS

TICKET No. 9399 D.S.T. No. 1 DATE 7-28-96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 21

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 12

TOTAL TOOL 33

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 33

D.C. ABOVE TOOLS.Stands4 Single Total 237

D.P. ABOVE TOOLS.Stands36 Single Total 2263

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 2533

TOTAL DEPTH 2525

TOTAL DRILL PIPE ABOVE K.B. 8

REMARKS:

COULD NOT GET TOOL TO BOTTOM

25-35' OF FILL

DROPPED BAR

P.O. SUB	
C.O. SUB	2492
S.I. TOOL	2498
HMV	2503
JARS NA	
SAFETY JOINT NA	
PACKER	2507
PACKER	2512
DEPTH 2512	
STUBB 1'	2513
ANCHOR	
2' PERFS	2515
ALPINE RECORDER	2515
T.C. DEPTH	
5' PERFS	2520
AK-1 RECORDER	2522
BULLNOSE 5' BULLPLUG	
T.D.	2525

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

N^o 9399

Well Name & No. #1 Goff Test No. 1 Date 7-28-96
 Company Kennerth S. White Zone Tested Tarkio Sand
 Address 200 E. 1st Wichita, Ks. 67202 Elevation 1638 KB 1633 GL
 Co. Rep / Geo. Tom Robinson Cont. Picknell #1 Est. Ft. of Pay Por. %
 Location: Sec. 8 Twp. 28 Rge. 9 Co. Kingman State Ks.
 No. of Copies STD Distribution Sheet (Y, N) Turnkey (Y, N) Evaluation (Y, N)

Interval Tested 2512 - 2525 Initial Str Wt./Lbs. 35,000 Unseated Str Wt./Lbs. 46,000
 Anchor Length 13 Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 80,000
 Top Packer Depth 2507 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Bottom Packer Depth 2512 Wt. Pipe I.D. — 2.7 Ft. Run
 Total Depth 2525 Drill Collar — 2.25 Ft. Run 237
 Mud Wt. LCM Vis. WL Drill Pipe Size 4.5 XH Ft. Run 2263
 Blow Description Could not get to bottom - 25' of fill

Tool opened trying to get to bottom.

Recovery — Total Feet	Ft. in DC	Ft. in WP	Ft. in DP	%gas	%oil	%water	%mud
2200	237		1263			100	
Rec. <u>2200</u>	Feet Of <u>D.M.</u>						
Rec. <u> </u>	Feet Of <u> </u>						
Rec. <u> </u>	Feet Of <u> </u>						
Rec. <u> </u>	Feet Of <u> </u>						

BHT 101 °F Gravity °API D@ °F Corrected Gravity °API
 RW @ °F Chlorides ppm Recovery Chlorides ppm System

(A) Initial Hydrostatic Mud 1216 1241 PSI Recorder No. 2342 T-Started 0715
 (B) First Initial Flow Pressure PSI @ (depth) 2515 T-Open
 (C) First Final Flow Pressure PSI Recorder No. 13849 T-Pulled 0850
 (D) Initial Shut-in Pressure PSI @ (depth) 2522 T-Out 11:00
 (E) Second Initial Flow Pressure PSI Recorder No.
 (F) Second Final Flow Pressure PSI @ (depth)
 (G) Final Shut-in Pressure PSI Initial Opening Test Misrun 400
 (H) Final Hydrostatic Mud 1161 1223 PSI Initial Shut-in Jars
AK-1 Alpine Final Flow Safety Joint

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 Tom Robinson
 Our Representative Dan Bangle
 Final Shut-in Straddle
 Circ. Sub X 35
 Sampler
 Extra Packer
 Elect. Rec. X nc
 Other
 TOTAL PRICE \$ 435

TEST HISTORY

TK#9400 DST#2 #1G0FF KEN WHITE

Flag Points

t (Min.) P (PSig)

A:	0.00	1193.28
B:	0.00	34.91
C:	30.00	76.79
D:	59.00	976.49
E:	0.00	81.74
F:	59.00	141.75
G:	89.00	962.39
Q:	0.00	1175.57

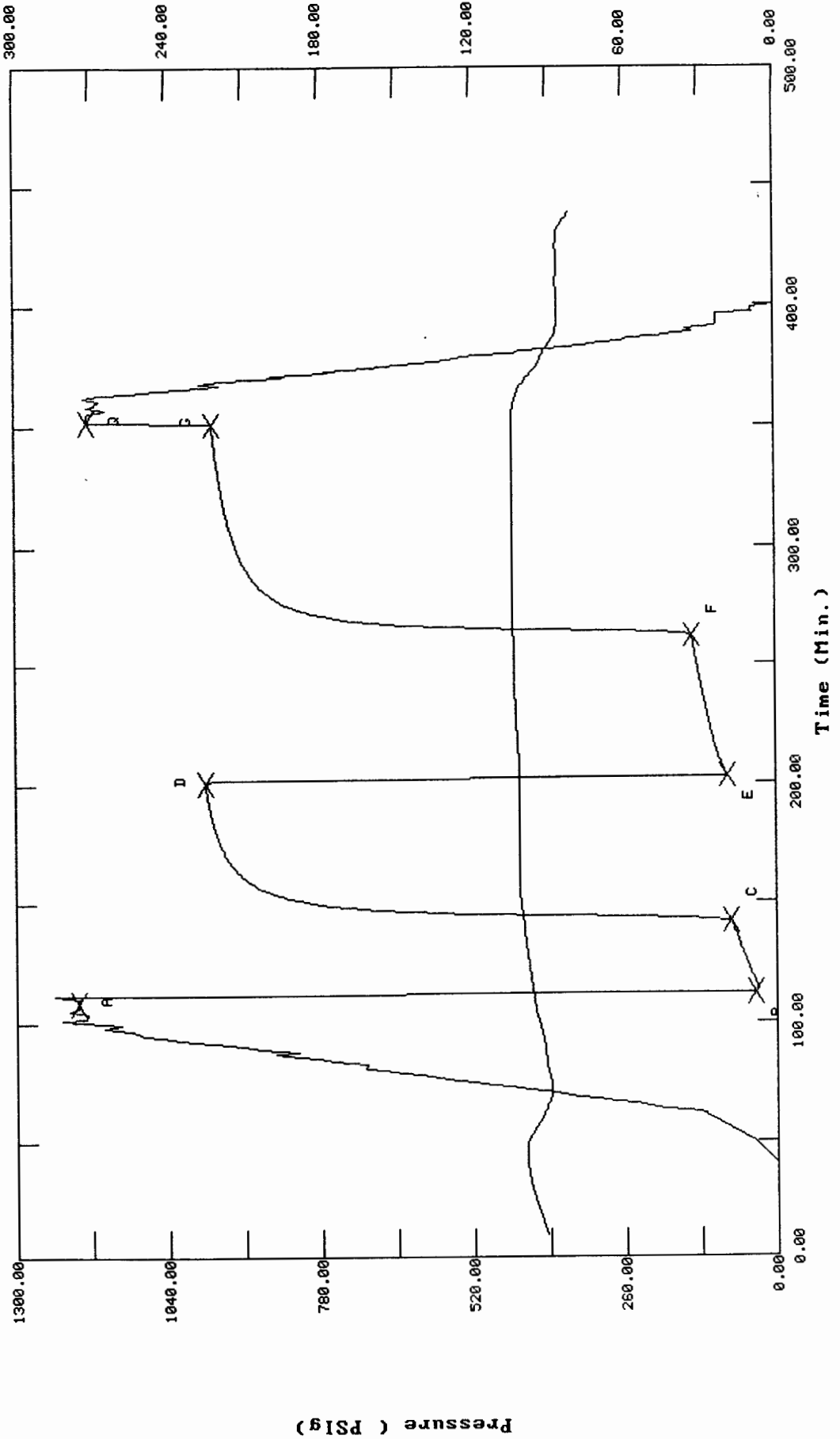
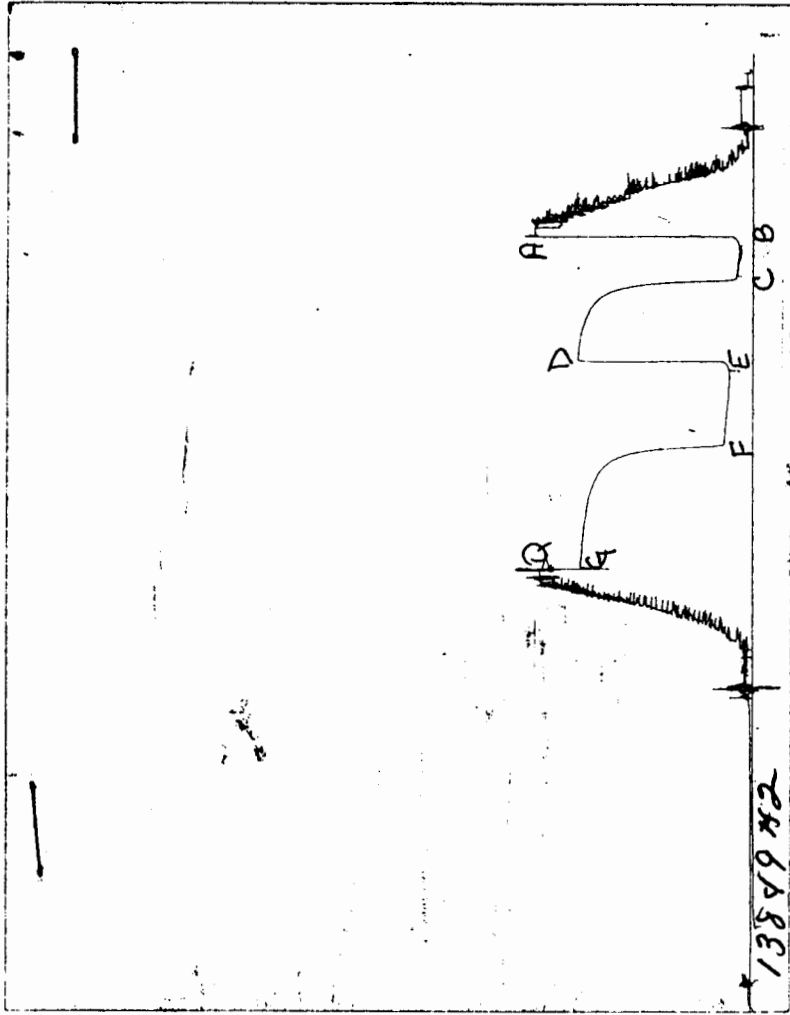


CHART PAGE



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

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK#9400 DST#2 #1GOFF KEN WHITE
 DATE: 07/28/96 TIME: 16:42:14

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	108.00	1193.3	0.0	95.69		
***** Start Flow 1	0.00	34.9	0.0	96.08		
	1.00	31.0	-3.9	96.25		
	2.00	31.9	-3.0	96.41		
	3.00	33.2	-1.7	96.56		
	4.00	34.9	0.0	96.71		
	5.00	36.6	1.7	96.87		
	6.00	38.5	3.6	97.03		
	7.00	40.2	5.3	97.19		
	8.00	42.0	7.0	97.34		
	9.00	43.4	8.5	97.47		
	10.00	45.1	10.2	97.60		
	11.00	47.1	12.2	97.73		
	12.00	48.8	13.9	97.85		
	13.00	50.5	15.6	97.97		
	14.00	52.1	17.2	98.09		
	15.00	53.6	18.7	98.20		
	16.00	55.3	20.4	98.32		
	17.00	56.6	21.7	98.44		
	18.00	58.5	23.6	98.56		
	19.00	60.3	25.3	98.67		
	20.00	61.9	27.0	98.79		
	21.00	63.3	28.4	98.89		
	22.00	65.0	30.0	99.00		
	23.00	66.4	31.5	99.10		
	24.00	67.9	33.0	99.20		
	25.00	69.1	34.2	99.29		
	26.00	70.7	35.8	99.39		
	27.00	72.1	37.2	99.48		
	28.00	73.5	38.6	99.58		
	29.00	75.0	40.1	99.69		
***** End Flow 1	30.00	76.8	41.9	99.79		
***** Start Shutin 1	0.00	76.8	0.0	99.79	0.0000	0.006
	1.00	152.5	75.7	99.90	31.0000	0.023
	2.00	360.0	283.2	100.01	16.0000	0.130
	3.00	530.7	453.9	100.14	11.0000	0.282
	4.00	622.6	545.8	100.29	8.5000	0.388
	5.00	684.3	607.5	100.43	7.0000	0.468
	6.00	729.8	653.0	100.58	6.0000	0.533
	7.00	764.9	688.1	100.72	5.2857	0.585
	8.00	792.8	716.0	100.84	4.7500	0.628
	9.00	815.2	738.4	100.95	4.3333	0.665
	10.00	833.5	756.7	101.05	4.0000	0.695
	11.00	848.5	771.7	101.12	3.7273	0.720
	12.00	861.1	784.3	101.18	3.5000	0.741
	13.00	871.7	795.0	101.22	3.3077	0.760
	14.00	880.7	803.9	101.26	3.1429	0.776
	15.00	888.7	811.9	101.28	3.0000	0.790
	16.00	895.6	818.8	101.30	2.8750	0.802
	17.00	901.6	824.8	101.31	2.7647	0.813
	18.00	907.1	830.3	101.32	2.6667	0.823

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK#9400 DST#2 #1GOFF KEN WHITE
 DATE: 07/28/96 TIME: 16:42:14

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	19.00	912.0	835.2	101.33	2.5789	0.832
	20.00	916.4	839.6	101.34	2.5000	0.840
	21.00	920.4	843.6	101.35	2.4286	0.847
	22.00	924.1	847.3	101.36	2.3636	0.854
	23.00	927.5	850.7	101.36	2.3043	0.860
	24.00	930.5	853.7	101.38	2.2500	0.866
	25.00	933.4	856.6	101.38	2.2000	0.871
	26.00	936.1	859.3	101.40	2.1538	0.876
	27.00	938.6	861.9	101.39	2.1111	0.881
	28.00	940.9	864.1	101.41	2.0714	0.885
	29.00	943.1	866.3	101.42	2.0345	0.889
	30.00	945.1	868.3	101.42	2.0000	0.893
	31.00	947.0	870.2	101.42	1.9677	0.897
	32.00	948.8	872.0	101.43	1.9375	0.900
	33.00	950.6	873.8	101.43	1.9091	0.904
	34.00	952.2	875.5	101.43	1.8824	0.907
	35.00	953.7	877.0	101.44	1.8571	0.910
	36.00	955.1	878.3	101.44	1.8333	0.912
	37.00	956.5	879.7	101.45	1.8108	0.915
	38.00	957.9	881.1	101.45	1.7895	0.917
	39.00	959.1	882.3	101.45	1.7692	0.920
	40.00	960.4	883.6	101.45	1.7500	0.922
	41.00	961.6	884.8	101.45	1.7317	0.925
	42.00	962.7	885.9	101.45	1.7143	0.927
	43.00	963.8	887.0	101.44	1.6977	0.929
	44.00	964.7	888.0	101.45	1.6818	0.931
	45.00	965.7	889.0	101.45	1.6667	0.933
	46.00	966.7	889.9	101.46	1.6522	0.934
	47.00	967.7	890.9	101.45	1.6383	0.936
	48.00	968.5	891.7	101.45	1.6250	0.938
	49.00	969.4	892.6	101.45	1.6122	0.940
	50.00	970.3	893.5	101.45	1.6000	0.941
	51.00	971.0	894.2	101.45	1.5882	0.943
	52.00	971.7	894.9	101.45	1.5769	0.944
	53.00	972.5	895.7	101.44	1.5660	0.946
	54.00	973.1	896.3	101.44	1.5556	0.947
	55.00	973.9	897.1	101.45	1.5455	0.948
	56.00	974.6	897.8	101.44	1.5357	0.950
	57.00	975.2	898.4	101.44	1.5263	0.951
	58.00	975.9	899.1	101.44	1.5172	0.952
***** End Shut-in 1	59.00	976.5	899.7	101.44	1.5085	0.954
***** Start Flow 2	0.00	81.7	0.0	101.40		
	1.00	84.5	2.8	101.36		
	2.00	86.9	5.1	101.32		
	3.00	88.4	6.6	101.31		
	4.00	89.5	7.8	101.32		
	5.00	91.5	9.7	101.33		
	6.00	93.0	11.2	101.37		
	7.00	95.1	13.3	101.43		
	8.00	97.0	15.3	101.47		
	9.00	98.4	16.7	101.53		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK#9400 DST#2 #1GOFF KEN WHITE

DATE: 07/28/96 TIME: 16:42:14

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
10.00	100.0	18.3	101.60		
11.00	101.5	19.7	101.66		
12.00	102.8	21.1	101.72		
13.00	104.1	22.4	101.78		
14.00	105.2	23.5	101.85		
15.00	105.9	24.2	101.91		
16.00	106.7	24.9	101.97		
17.00	107.9	26.2	102.03		
18.00	108.8	27.0	102.09		
19.00	109.9	28.1	102.15		
20.00	110.6	28.9	102.21		
21.00	111.4	29.6	102.26		
22.00	112.5	30.7	102.31		
23.00	113.3	31.6	102.36		
24.00	114.0	32.2	102.41		
25.00	115.1	33.3	102.45		
26.00	116.0	34.2	102.51		
27.00	116.8	35.1	102.55		
28.00	117.7	35.9	102.60		
29.00	118.6	36.8	102.64		
30.00	119.5	37.8	102.68		
31.00	120.3	38.6	102.73		
32.00	121.3	39.5	102.76		
33.00	122.0	40.3	102.81		
34.00	122.9	41.2	102.84		
35.00	123.8	42.0	102.88		
36.00	124.8	43.1	102.91		
37.00	125.6	43.9	102.93		
38.00	126.5	44.7	102.97		
39.00	127.2	45.5	102.99		
40.00	128.1	46.3	103.01		
41.00	128.9	47.2	103.04		
42.00	129.8	48.1	103.07		
43.00	130.5	48.8	103.10		
44.00	131.4	49.7	103.13		
45.00	132.1	50.4	103.15		
46.00	132.8	51.1	103.17		
47.00	133.7	52.0	103.19		
48.00	134.4	52.7	103.21		
49.00	135.0	53.3	103.23		
50.00	135.7	54.0	103.26		
51.00	136.4	54.6	103.27		
52.00	137.3	55.6	103.30		
53.00	137.9	56.1	103.31		
54.00	138.6	56.8	103.33		
55.00	139.3	57.6	103.35		
56.00	139.7	58.0	103.35		
57.00	140.5	58.7	103.37		
58.00	141.2	59.4	103.38		
59.00	141.7	60.0	103.39		

***** End Flow 2

***** Start Shutin 2 0.00 141.7 0.0 103.39 0.0000 0.020

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK#9400 DST#2 #1GOFF KEN WHITE

DATE: 07/28/96

TIME: 16:42:14

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
1.00	154.7	12.9	103.40	90.0000	0.024
2.00	265.0	123.3	103.42	45.5000	0.070
3.00	436.8	295.0	103.45	30.6667	0.191
4.00	564.4	422.7	103.48	23.2500	0.319
5.00	639.7	497.9	103.52	18.8000	0.409
6.00	689.4	547.6	103.57	15.8333	0.475
7.00	725.4	583.6	103.62	13.7143	0.526
8.00	752.7	610.9	103.68	12.1250	0.566
9.00	774.5	632.7	103.72	10.8889	0.600
10.00	792.3	650.5	103.77	9.9000	0.628
11.00	807.0	665.2	103.80	9.0909	0.651
12.00	819.4	677.6	103.86	8.4167	0.671
13.00	830.0	688.3	103.86	7.8462	0.689
14.00	839.4	697.6	103.88	7.3571	0.705
15.00	847.3	705.6	103.89	6.9333	0.718
16.00	854.6	712.9	103.91	6.5625	0.730
17.00	860.9	719.2	103.93	6.2353	0.741
18.00	866.6	724.9	103.93	5.9444	0.751
19.00	871.7	730.0	103.93	5.6842	0.760
20.00	876.4	734.7	103.94	5.4500	0.768
21.00	880.7	739.0	103.95	5.2381	0.776
22.00	884.6	742.8	103.95	5.0455	0.783
23.00	888.4	746.6	103.95	4.8696	0.789
24.00	891.7	750.0	103.96	4.7083	0.795
25.00	894.8	753.1	103.96	4.5600	0.801
26.00	897.9	756.1	103.96	4.4231	0.806
27.00	900.7	759.0	103.96	4.2963	0.811
28.00	903.1	761.4	103.96	4.1786	0.816
29.00	905.7	763.9	103.95	4.0690	0.820
30.00	907.9	766.2	103.95	3.9667	0.824
31.00	910.1	768.4	103.95	3.8710	0.828
32.00	912.1	770.4	103.96	3.7812	0.832
33.00	914.2	772.5	103.95	3.6970	0.836
34.00	915.9	774.2	103.96	3.6176	0.839
35.00	917.7	776.0	103.95	3.5429	0.842
36.00	919.5	777.8	103.94	3.4722	0.845
37.00	921.2	779.4	103.94	3.4054	0.849
38.00	922.7	780.9	103.94	3.3421	0.851
39.00	924.2	782.5	103.93	3.2821	0.854
40.00	925.6	783.9	103.93	3.2250	0.857
41.00	927.1	785.3	103.96	3.1707	0.859
42.00	928.5	786.7	103.91	3.1190	0.862
43.00	929.6	787.8	103.91	3.0698	0.864
44.00	930.8	789.1	103.91	3.0227	0.866
45.00	932.1	790.3	103.91	2.9778	0.869
46.00	933.2	791.4	103.91	2.9348	0.871
47.00	934.5	792.8	103.90	2.8936	0.873
48.00	935.5	793.8	103.90	2.8542	0.875
49.00	936.5	794.7	103.89	2.8163	0.877
50.00	937.5	795.7	103.89	2.7800	0.879
51.00	938.5	796.7	103.88	2.7451	0.881

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK#9400 DST#2 #1GOFF KEN WHITE
 DATE: 07/28/96 TIME: 16:42:14

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
52.00	939.4	797.7	103.88	2.7115	0.882
53.00	940.4	798.7	103.87	2.6792	0.884
54.00	941.2	799.5	103.87	2.6481	0.886
55.00	942.1	800.3	103.87	2.6182	0.888
56.00	942.9	801.2	103.86	2.5893	0.889
57.00	943.8	802.0	103.86	2.5614	0.891
58.00	944.6	802.9	103.85	2.5345	0.892
59.00	945.4	803.7	103.85	2.5085	0.894
60.00	946.2	804.4	103.84	2.4833	0.895
61.00	946.9	805.2	103.85	2.4590	0.897
62.00	947.6	805.9	103.84	2.4355	0.898
63.00	948.4	806.6	103.84	2.4127	0.899
64.00	949.0	807.2	103.84	2.3906	0.901
65.00	949.7	808.0	103.84	2.3692	0.902
66.00	950.3	808.6	103.83	2.3485	0.903
67.00	951.0	809.2	103.83	2.3284	0.904
68.00	951.6	809.9	103.82	2.3088	0.906
69.00	952.2	810.4	103.83	2.2899	0.907
70.00	952.9	811.2	103.82	2.2714	0.908
71.00	953.5	811.7	103.82	2.2535	0.909
72.00	954.1	812.3	103.82	2.2361	0.910
73.00	954.6	812.8	103.82	2.2192	0.911
74.00	955.2	813.4	103.81	2.2027	0.912
75.00	955.8	814.0	103.81	2.1867	0.913
76.00	956.3	814.5	103.81	2.1711	0.914
77.00	956.9	815.1	103.81	2.1558	0.916
78.00	957.3	815.5	103.81	2.1410	0.916
79.00	957.9	816.1	103.80	2.1266	0.917
80.00	958.3	816.5	103.80	2.1125	0.918
81.00	958.8	817.0	103.80	2.0988	0.919
82.00	959.2	817.5	103.80	2.0854	0.920
83.00	959.8	818.0	103.80	2.0723	0.921
84.00	960.2	818.5	103.80	2.0595	0.922
85.00	960.6	818.9	103.79	2.0471	0.923
86.00	961.1	819.4	103.79	2.0349	0.924
87.00	961.6	819.9	103.79	2.0230	0.925
88.00	962.1	820.3	103.79	2.0114	0.926
89.00	962.4	820.6	103.79	2.0000	0.926
***** End Shut-in 2					
***** Final Hydro.	352.00	1175.6	0.0	103.80	

*** TOOL DIAGRAM *** CONV

WELL NAME: #1 Goff	P.O. SUB	
	C.O. SUB	2492
LOCATION : 8-28S-9W, Kingman Cty KS	S.I. TOOL	2498
TICKET No. 9400 D.S.T. No. 2 DATE 7-28-96		
TOTAL TOOL TO BOTTOM OF TOP PACKERS 21		
INTERVAL TOOL	HMV	2503
BOTTOM PACKERS AND ANCHOR 12	JARS NA	
TOTAL TOOL 33		
DRILL COLLAR ANCHOR IN INTERVAL		
D.C. ANCHOR STND.Stands Single Total		
D.P. ANCHOR STND.Stands Single Total	SAFETY JOINT NA	
TOTAL ASSEMBLY 33	PACKER	2507
D.C. ABOVE TOOLS.Stands4 Single Total 237	PACKER	2512
D.P. ABOVE TOOLS.Stands36 Single Total 2263	DEPTH 2512	
TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 2533	STUBB 1'	2513
	ANCHOR	
TOTAL DEPTH 2525		
TOTAL DRILL PIPE ABOVE K.B. 8	2' PERFS	2515
REMARKS:	ALPINE RECORDER	2515
	T.C.	
	DEPTH	
	5' PERFS	2520
	AK-1 RECORDER	2522
	BULLNOSE 5' BULLPLUG	
	T.D.	2525

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

N^o 9400

Well Name & No. #1 Goff Test No. 2 Date 7-28-96
 Company Kenneth S. White Zone Tested Tarkio Sand
 Address _____ Elevation 1638 KB 1633 GL
 Co. Rep / Geo. Tom Robinson Cont. Pickrell #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 8 Twp. 28 Rge. 9 Co. Kingman State Ks.
 No. of Copies STD Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 2512 - 2525 Initial Str Wt./Lbs. 35,000 Unseated Str Wt./Lbs. 36,000
 Anchor Length 13 Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 50,000
 Top Packer Depth 2507 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Bottom Packer Depth 2512 Wt. Pipe I.D. — 2.7 Ft. Run _____
 Total Depth 2525 Drill Collar — 2.25 Ft. Run 237
 Mud Wt. 9.6 LCM 1# Vis. 38 WL N/A Drill Pipe Size 4.5 XH Ft. Run 2263
 Blow Description I.F. weak - building to fair blow - bottom of bucket in 7 min.
E.F. weak - building to fair - bottom of bucket in 59 min.

Recovery — Total Feet	Ft. in DC	Ft. in WP	Ft. in DP
<u>300</u>	<u>237</u>		<u>63</u>
Rec. <u>63</u> Feet Of <u>O+G C wtry mud</u>		%gas <u>10</u> %oil <u>20</u> %water <u>40</u> %mud	
Rec. <u>237</u> Feet Of <u>WTR</u>		%gas _____%oil <u>100</u> %water _____%mud	
Rec. _____ Feet Of _____		%gas _____%oil _____%water _____%mud	
Rec. <u>180</u> Feet Of <u>G.I.P.</u>		%gas _____%oil _____%water _____%mud	
Rec. _____ Feet Of _____		%gas _____%oil _____%water _____%mud	

BHT 101 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API

RW .12 @ 75 °F Chlorides 60,000 ppm Recovery Chlorides 80,000 ppm System

(A) Initial Hydrostatic Mud	<u>1250</u> <u>1236</u> PSI	Recorder No. <u>2342</u>	T-Started <u>1645</u>
(B) First Initial Flow Pressure	<u>77</u> <u>35</u> PSI	@ (depth) <u>2515</u>	T-Open <u>1835</u>
(C) First Final Flow Pressure	<u>100</u> <u>77</u> PSI	Recorder No. <u>13849</u>	T-Pulled <u>2235</u>
(D) Initial Shut-in Pressure	<u>995</u> <u>965</u> PSI	@ (depth) <u>2522</u>	T-Out <u>2400</u>
(E) Second Initial Flow Pressure	<u>144</u> <u>82</u> PSI	Recorder No. _____	
(F) Second Final Flow Pressure	<u>166</u> <u>142</u> PSI	@ (depth) _____	
(G) Final Shut-in Pressure	<u>973</u> <u>962</u> PSI	Initial Opening <u>30</u>	Test <u>600</u>
(H) Final Hydrostatic Mud	<u>1216</u> <u>1176</u> PSI	Initial Shut-in <u>60</u>	Jars _____
	<u>AK-1 Alpine</u>	Final Flow <u>60</u>	Safety Joint _____
		Final Shut-in <u>90</u>	Straddle _____
			Circ. Sub _____
			Sampler _____
			Extra Packer _____
			Elect. Rec. <u>X</u> <u>150</u>
			Other _____
			TOTAL PRICE \$ <u>750</u>

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 Tom Robinson
 Our Representative Dan Sangle

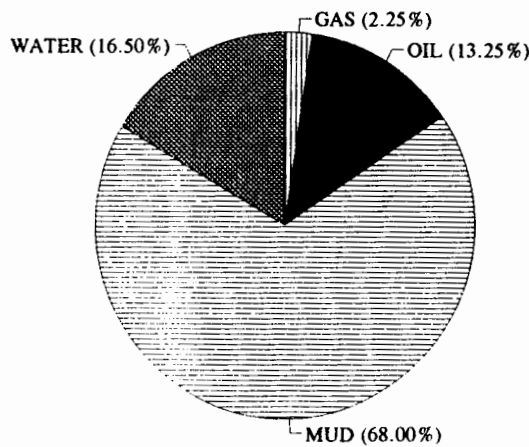
CALCULATED RECOVERY ANALYSIS

DST 3

TICKE 9368

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
DRILL 1	30	5	1.5	5	1.5		0	90	27
PIPE 2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
6			0		0		0		0
WEIGHT 1			0		0		0		0
PIPE 2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
DRILL 1	60	5	3	5	3		0	90	54
COLLAR 2	120		0	20	24	15	18	65	78
3	60		0	20	12	60	36	20	12
4			0		0		0		0
5			0		0		0		0
TOTAL	270		4.5		40.5		54		171

			HRS OPEN		BBL/DAY
BBL OIL =	0.21204	*	1	=	5.08896
BBL WATER	0.26406	*		=	6.33744
BBL MUD =	1.0881				
BBL GAS =	0.036				

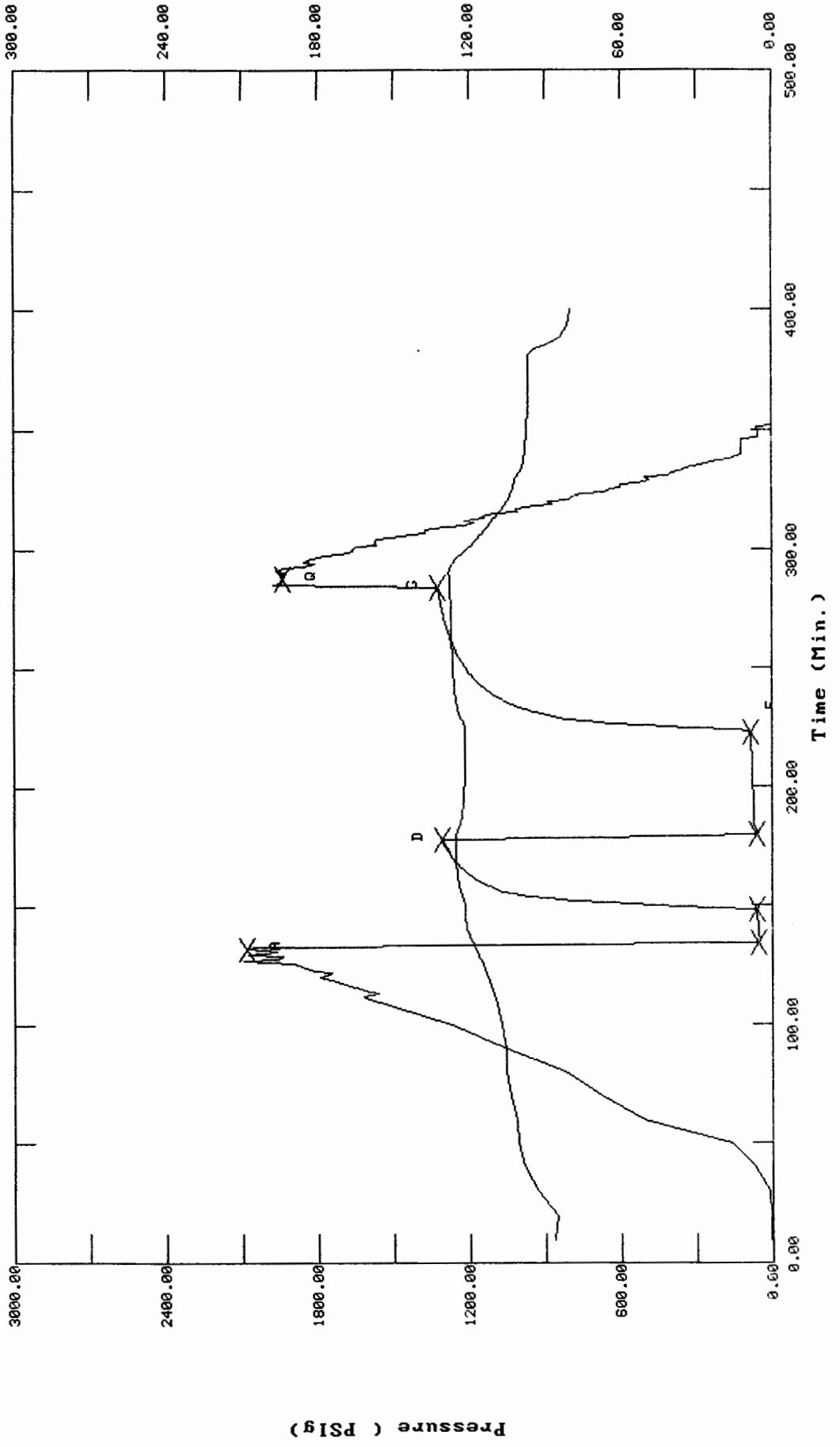


TEST HISTORY

9368 DST#3 GOFF#1-8 KENNETH S. WHITE

Flag Points

t (Min.)	P (PSig)
A: 0.00	2081.91
B: 0.00	52.95
C: 14.00	56.47
D: 30.00	1308.01
E: 0.00	58.86
F: 43.00	81.15
G: 61.00	1324.71
Q: 0.00	1938.05



TEST HISTORY

9368 DST#3 GOFF#1-8 KENNETH S. WHITE

Flag Points

t (Min.) P (PSIG)

- A: 0.00 2081.91
- B: 0.00 52.95
- C: 14.00 56.47
- D: 30.00 1308.01
- E: 0.00 58.66
- F: 43.00 81.15
- G: 61.00 1324.71
- Q: 0.00 1938.05

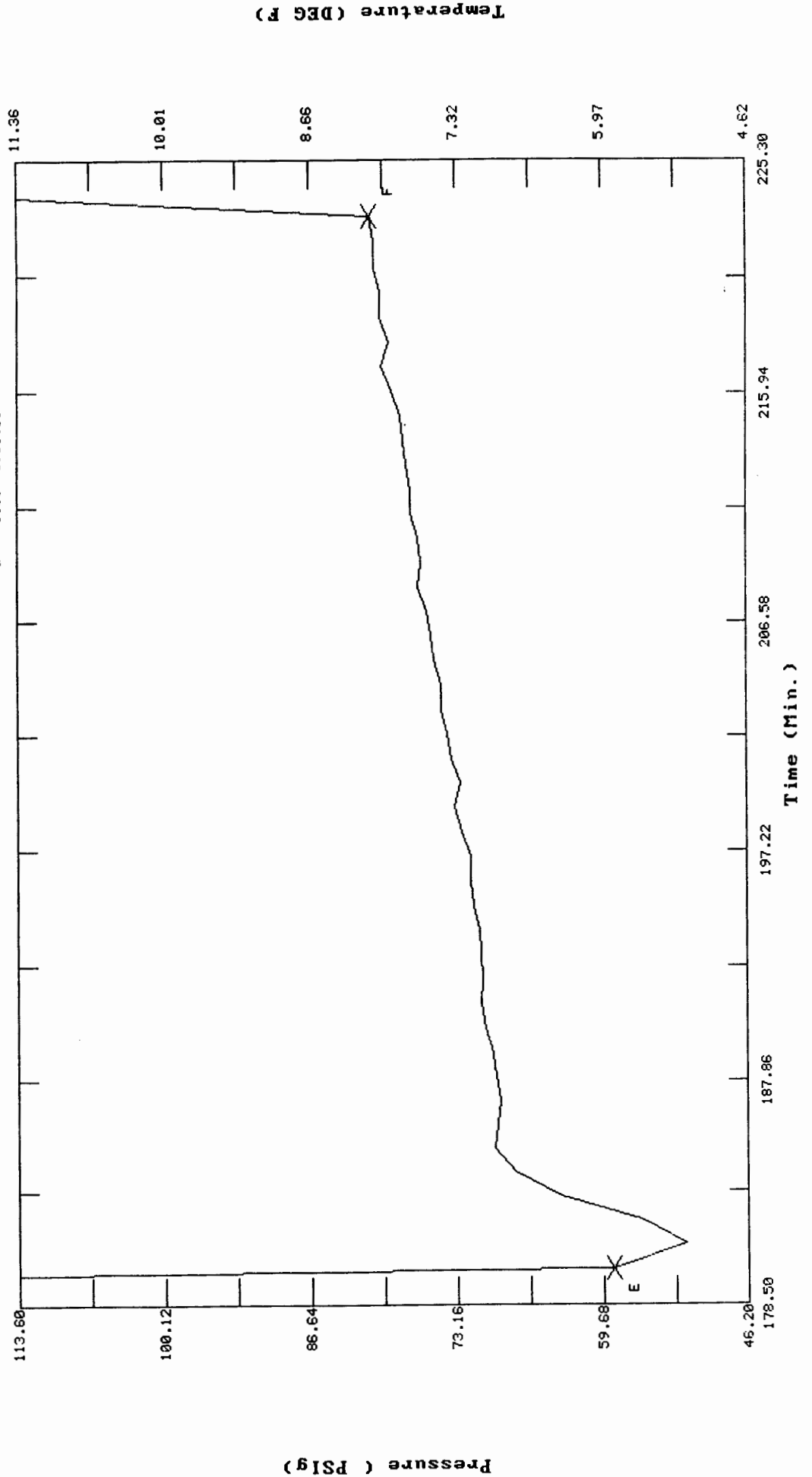
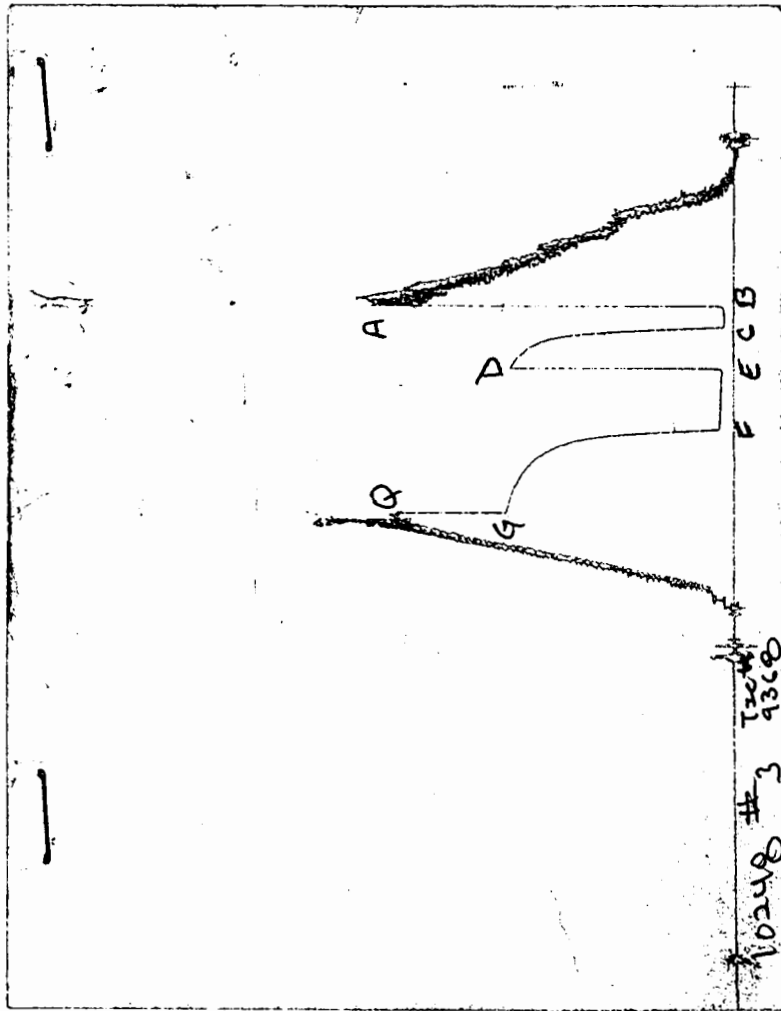


CHART PAGE



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

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9368 DST#3 GOFF#1-8 KENNETH S.WHITE

DATE: 07/31/96

TIME: 20:26:28

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	132.00	2081.9	0.0	117.42		
***** Start Flow 1	0.00	52.9	0.0	118.22		
	1.00	46.3	-6.6	118.73		
	2.00	47.3	-5.6	119.26		
	3.00	51.3	-1.7	119.77		
	4.00	53.1	0.2	120.20		
	5.00	52.8	-0.2	120.57		
	6.00	53.8	0.8	120.87		
	7.00	54.5	1.6	121.09		
	8.00	53.5	0.6	121.27		
	9.00	54.1	1.2	121.40		
	10.00	54.9	1.9	121.50		
	11.00	55.5	2.5	121.57		
	12.00	55.6	2.7	121.61		
	13.00	55.9	2.9	121.64		
***** End Flow 1	14.00	56.5	3.5	121.65		
***** Start Shutin 1	0.00	56.5	0.0	121.65	0.0000	0.003
	1.00	235.7	179.3	121.67	15.0000	0.056
	2.00	465.9	409.4	121.75	8.0000	0.217
	3.00	646.3	589.8	121.92	5.6667	0.418
	4.00	785.0	728.5	122.16	4.5000	0.616
	5.00	889.5	833.0	122.44	3.8000	0.791
	6.00	966.9	910.4	122.76	3.3333	0.935
	7.00	1023.7	967.2	123.09	3.0000	1.048
	8.00	1065.5	1009.0	123.42	2.7500	1.135
	9.00	1097.2	1040.7	123.73	2.5556	1.204
	10.00	1121.8	1065.3	123.98	2.4000	1.258
	11.00	1141.0	1084.5	124.22	2.2727	1.302
	12.00	1157.4	1101.0	124.42	2.1667	1.340
	13.00	1172.6	1116.2	124.58	2.0769	1.375
	14.00	1186.6	1130.2	124.71	2.0000	1.408
	15.00	1199.6	1143.1	124.84	1.9333	1.439
	16.00	1211.6	1155.1	124.94	1.8750	1.468
	17.00	1222.6	1166.1	125.01	1.8235	1.495
	18.00	1232.7	1176.2	125.08	1.7778	1.520
	19.00	1242.0	1185.6	125.13	1.7368	1.543
	20.00	1250.6	1194.1	125.17	1.7000	1.564
	21.00	1258.4	1201.9	125.22	1.6667	1.584
	22.00	1265.6	1209.1	125.33	1.6364	1.602
	23.00	1272.3	1215.9	125.28	1.6087	1.619
	24.00	1278.5	1222.0	125.32	1.5833	1.634
	25.00	1284.3	1227.8	125.34	1.5600	1.649
	26.00	1289.7	1233.2	125.37	1.5385	1.663
	27.00	1294.7	1238.2	125.39	1.5185	1.676
	28.00	1299.4	1242.9	125.41	1.5000	1.688
	29.00	1303.7	1247.3	125.43	1.4828	1.700
***** End Shut-in 1	30.00	1308.0	1251.5	125.45	1.4667	1.711
***** Start Flow 2	0.00	58.7	0.0	125.23		
	1.00	51.9	-6.7	124.87		
	2.00	56.1	-2.5	124.46		
	3.00	63.6	5.0	124.08		

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9368 DST#3 GOFF#1-8 KENNETH S.WHITE

DATE: 07/31/96

TIME: 20:26:28

	Time	Pressure PSI _g	delta P PSI _g	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	4.00	67.8	9.1	123.75		
	5.00	69.7	11.0	123.47		
	6.00	69.3	10.7	123.24		
	7.00	69.1	10.4	123.05		
	8.00	69.5	10.8	122.89		
	9.00	69.7	11.1	122.76		
	10.00	70.5	11.8	122.65		
	11.00	70.8	12.2	122.55		
	12.00	70.7	12.0	122.47		
	13.00	70.8	12.2	122.39		
	14.00	71.0	12.3	122.32		
	15.00	71.5	12.8	122.26		
	16.00	71.7	13.1	122.20		
	17.00	71.7	13.1	122.15		
	18.00	72.6	13.9	122.11		
	19.00	73.3	14.7	122.06		
	20.00	72.7	14.0	122.04		
	21.00	73.5	14.9	122.00		
	22.00	74.0	15.4	121.97		
	23.00	74.4	15.8	121.94		
	24.00	74.5	15.9	121.91		
	25.00	75.1	16.4	121.88		
	26.00	75.4	16.8	121.86		
	27.00	75.8	17.1	121.84		
	28.00	76.6	18.0	121.82		
	29.00	76.4	17.7	121.80		
	30.00	76.7	18.0	121.78		
	31.00	77.4	18.7	121.77		
	32.00	77.4	18.7	121.76		
	33.00	77.8	19.1	121.75		
	34.00	78.0	19.4	121.73		
	35.00	78.3	19.6	121.73		
	36.00	79.1	20.4	121.72		
	37.00	80.1	21.4	121.72		
	38.00	79.3	20.6	121.71		
	39.00	80.1	21.5	121.70		
	40.00	80.1	21.5	121.70		
	41.00	80.7	22.1	121.69		
	42.00	80.6	22.0	121.69		
***** End Flow 2	43.00	81.1	22.5	121.68		
***** Start Shutin 2	0.00	81.1	0.0	121.68	0.0000	0.007
	1.00	122.4	41.2	121.68	58.0000	0.015
	2.00	334.7	253.5	121.72	29.5000	0.112
	3.00	504.6	423.5	121.89	20.0000	0.255
	4.00	637.7	556.5	122.17	15.2500	0.407
	5.00	738.6	657.5	122.54	12.4000	0.546
	6.00	813.6	732.4	122.97	10.5000	0.662
	7.00	868.9	787.7	123.42	9.1429	0.755
	8.00	911.7	830.5	123.85	8.1250	0.831
	9.00	947.1	866.0	124.22	7.3333	0.897
	10.00	977.8	896.7	124.55	6.7000	0.956

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9368 DST#3 GOFF#1-8 KENNETH S.WHITE

DATE: 07/31/96

TIME: 20:26:28

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
11.00	1004.8	923.6	124.80	6.1818	1.010
12.00	1028.9	947.7	125.00	5.7500	1.059
13.00	1050.3	969.2	125.18	5.3846	1.103
14.00	1069.6	988.4	125.34	5.0714	1.144
15.00	1086.9	1005.8	125.48	4.8000	1.181
16.00	1102.6	1021.4	125.60	4.5625	1.216
17.00	1116.9	1035.8	125.71	4.3529	1.247
18.00	1130.0	1048.8	125.82	4.1667	1.277
19.00	1142.1	1060.9	125.91	4.0000	1.304
20.00	1153.2	1072.1	125.99	3.8500	1.330
21.00	1163.4	1082.2	126.08	3.7143	1.353
22.00	1172.9	1091.7	126.16	3.5909	1.376
23.00	1181.8	1100.6	126.22	3.4783	1.397
24.00	1190.0	1108.9	126.30	3.3750	1.416
25.00	1197.7	1116.6	126.35	3.2800	1.435
26.00	1204.9	1123.8	126.42	3.1923	1.452
27.00	1211.8	1130.7	126.47	3.1111	1.469
28.00	1218.2	1137.1	126.53	3.0357	1.484
29.00	1224.3	1143.2	126.58	2.9655	1.499
30.00	1230.1	1149.0	126.63	2.9000	1.513
31.00	1235.6	1154.4	126.67	2.8387	1.527
32.00	1240.7	1159.5	126.71	2.7812	1.539
33.00	1245.6	1164.5	126.76	2.7273	1.552
34.00	1250.4	1169.3	126.79	2.6765	1.564
35.00	1254.9	1173.7	126.82	2.6286	1.575
36.00	1259.2	1178.0	126.89	2.5833	1.585
37.00	1263.3	1182.1	126.89	2.5405	1.596
38.00	1267.2	1186.1	126.92	2.5000	1.606
39.00	1271.0	1189.8	126.96	2.4615	1.615
40.00	1274.6	1193.5	126.99	2.4250	1.625
41.00	1278.0	1196.9	127.02	2.3902	1.633
42.00	1281.3	1200.2	127.05	2.3571	1.642
43.00	1284.5	1203.4	127.08	2.3256	1.650
44.00	1287.6	1206.5	127.10	2.2955	1.658
45.00	1290.5	1209.4	127.14	2.2667	1.666
46.00	1293.3	1212.2	127.16	2.2391	1.673
47.00	1296.0	1214.9	127.19	2.2128	1.680
48.00	1298.6	1217.5	127.22	2.1875	1.686
49.00	1301.0	1219.9	127.25	2.1633	1.693
50.00	1303.5	1222.3	127.27	2.1400	1.699
51.00	1305.8	1224.7	127.30	2.1176	1.705
52.00	1308.1	1226.9	127.31	2.0962	1.711
53.00	1310.3	1229.1	127.34	2.0755	1.717
54.00	1312.4	1231.2	127.36	2.0556	1.722
55.00	1314.4	1233.2	127.38	2.0364	1.728
56.00	1316.2	1235.1	127.40	2.0179	1.732
57.00	1318.2	1237.0	127.44	2.0000	1.738
58.00	1319.9	1238.8	127.45	1.9828	1.742
59.00	1321.7	1240.5	127.47	1.9661	1.747
60.00	1323.3	1242.1	127.50	1.9500	1.751
61.00	1324.7	1243.6	127.52	1.9344	1.755

***** End Shut-in 2

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9368 DST#3 GOFF#1-8 KENNETH S.WHITE

DATE: 07/31/96 TIME: 20:26:28

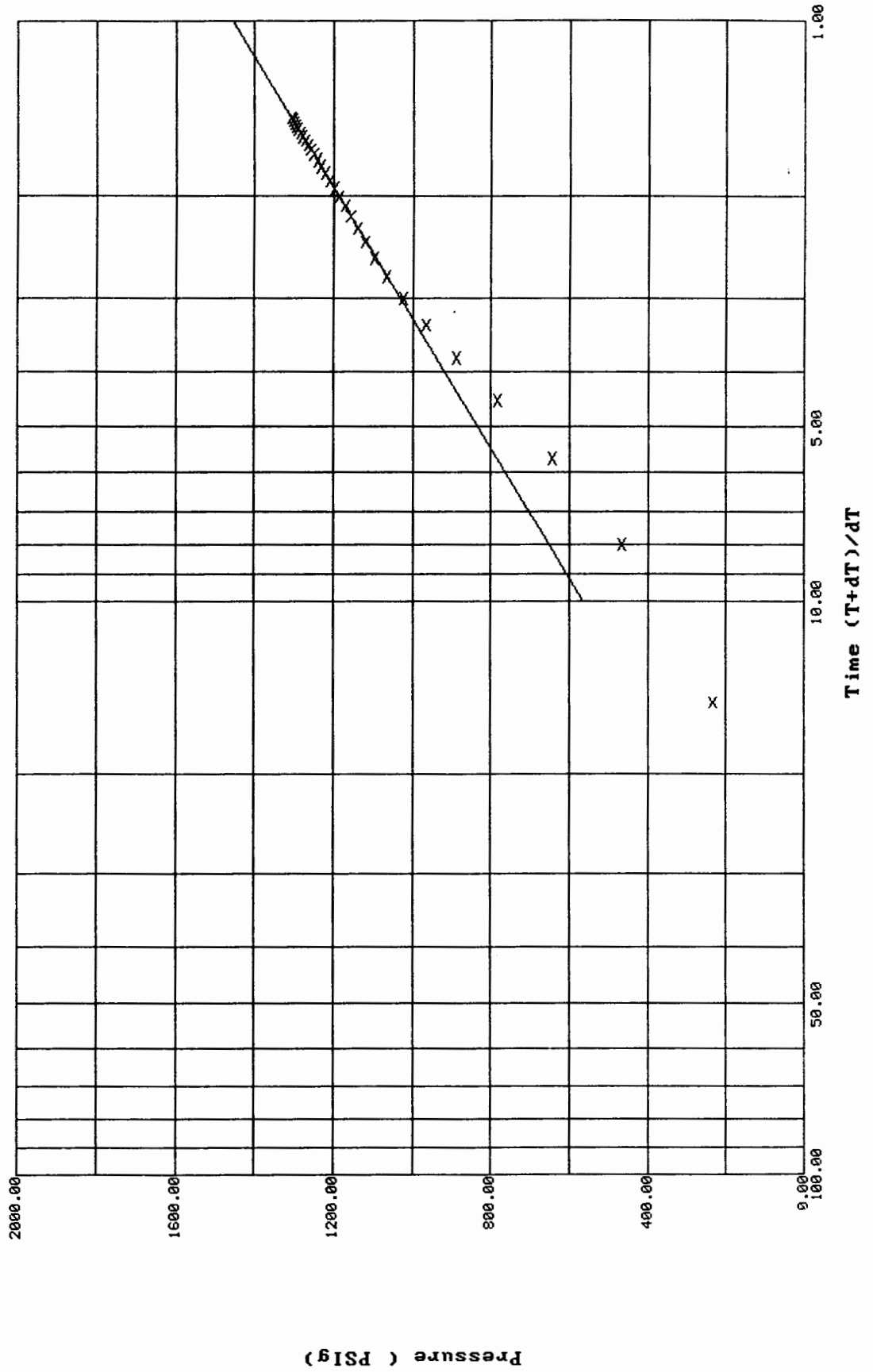
	Time	Pressure	delta P	Temp.	(T+dT)/dT	P ² /10 ⁶
		PSig	PSig	DEG F		
***** Final Hydro.	288.00	1938.1	0.0	127.89		

Horner Plot: shut-in #1

9368 DST#3 GOFF#1-8 KENNETH S. WHITE

Slope: 892.2658 PSig/cycle

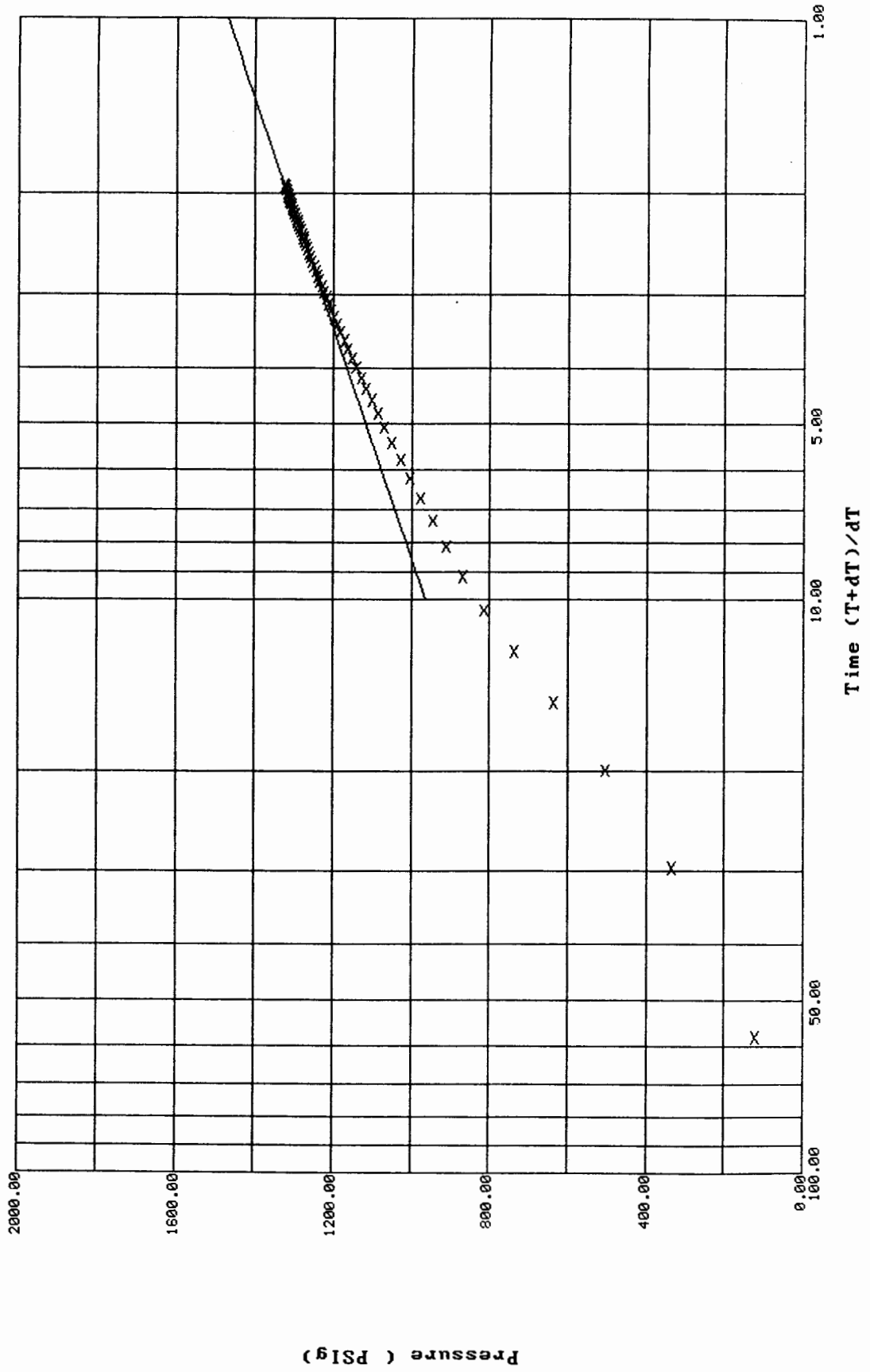
Ext. Pressure: 1456.4935 PSig



Horner Plot: shut-in #2

9368 DST#3 GOFF#1-8 KENNETH S. WHITE

Slope: 507.1581 PSig/cycle
Ext. Pressure: 1470.7809 PSig



*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Goff #1-8

LOCATION : 8-28S-9W, Kingman Cty KS

TICKET No. 9368 D.S.T. No. 3 DATE 7-31-96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 20

TOTAL TOOL 40

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 40

D.C. ABOVE TOOLS.Stands4 Single Total 40

D.P. ABOVE TOOLS.Stands61 Single Total 3768

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4048

TOTAL DEPTH 4040

TOTAL DRILL PIPE ABOVE K.B. 8

REMARKS:

P.O. SUB	
C.O. SUB	4000
S.I. TOOL	4006
HMV	4011
JARS N/A	
SAFETY JOINT N/A	
PACKER	4015
PACKER	4020
DEPTH 4020	
STUBB 1'	4021
ANCHOR PERFS	
ALPINE REC.	4025
T.C. DEPTH	
14 FT. PERFS TO	4035
AK-1 REC.	4037
BULLNOSE 5 FT.PERFORATED	
T.D.	4040

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

N^o 9368

Well Name & No. GOFF # 1-8 Test No. 3 Date 7-31-96
 Company KENNETH S. WHITE Zone Tested MISS
 Address 200 E. FIRST SUITE #405 WICHITA KS. 67202 Elevation 1638 KB 1633 GL
 Co. Rep / Geo. TOM ROBINSON Cont. PICKREU DRUG #1 Est. Ft. of Pay 12 Por. 12 %
 Location: Sec. 8 Twp. 28S Rge. 9W Co. KINGMAN State KS.
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) — Evaluation (Y, N) —

Interval Tested 4020 - 4040' Initial Str Wt./Lbs. 50,000 Unseated Str Wt./Lbs. 50,000
 Anchor Length 20' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 54,000
 Top Packer Depth 4015' Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Bottom Packer Depth 4020' Wt. Pipe I.D. — 2.7 Ft. Run NONE
 Total Depth 4040' Drill Collar — 2.25 Ft. Run 240'
 Mud Wt. 9.1 LCM 2 Vis. 46 WL 10.4cc Drill Pipe Size 4 1/2" x 14' Ft. Run 3768'
 Blow Description IF: Strong below. GTS in 8 mins.

FF: Strong below. (see gas volume report)

Recovery — Total Feet	Fluid	Ft. in DC	Ft. in WP	Ft. in DP	%gas	%oil	%water	%mud
90	S.O.G.M.	240	2	30	5	5	~	90
120	O.C.W.M.				20	15	65	65
60	O.C.M.W.				20	60	20	20

BHT 128 °F Gravity N.A. °API @ 2 °F Corrected Gravity N.A. °API

RW 0.19 @ 70 °F Chlorides 68,000 ppm Recovery Chlorides 5,000 ppm System

(A) Initial Hydrostatic Mud 2092 ^{AL-1} 2082 PSI Recorder No. 10248 T-Started 2026
 (B) First Initial Flow Pressure 51 53 PSI @ (depth) 4037' T-Open 2243
 (C) First Final Flow Pressure 53 56 PSI Recorder No. 2351 T-Pulled 0113
 (D) Initial Shut-in Pressure 1307 1308 PSI @ (depth) 4025' T-Out 0330
 (E) Second Initial Flow Pressure 60 59 PSI Recorder No. —
 (F) Second Final Flow Pressure 82 81 PSI @ (depth) —
 (G) Final Shut-in Pressure 1316 1325 PSI Initial Opening 15 Test 600
 (H) Final Hydrostatic Mud 2041 1938 PSI Initial Shut-in 30 Jars —

Final Flow 45 Safety Joint —

Final Shut-in 60 Straddle —

4 Circ. Sub —

Sampler —

Extra Packer —

Elect. Rec. 150

Other —

TOTAL PRICE \$ 750⁰⁰

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 TOM ROBINSON

Our Representative Cathy Wolcott

TRILOBITE TESTING L.L.C.

OPERATOR : Kenneth S. White
 WELL NAME: #1 Goff
 LOCATION : 8-28S-9W, Kingman Cty KS
 INTERVAL : 3805.00 To 3840.00 ft

DATE 8-2-96
 KB 1638.00 ft
 GR 1633.00 ft
 TD 4458.00 ft

TICKET NO: 9502
 FORMATION: Hertha
 TEST TYPE: CONV STRADDLE

DST #4

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13754	13754	2342	13849		PF Fr. 1500 to 1530 hr
SI 45 Range (Psi)	4000.0	4000.0	4995.0	4375.0	0.0	IS Fr. 1530 to 1615 hr
SF 60 Clock (hrs)	12	12	Alpin	12		SF Fr. 1615 to 1715 hr
FS 60 Depth (ft)	3833.0	3833.0	3806.0	4455.0	0.0	FS Fr. 1715 to 1815 hr

	Field	1	2	3	4	
A. Init Hydro	1936.0	1978.0	1883.0	2269.0	0.0	T STARTED 1330 hr
B. First Flow	39.0	37.0	15.0	0.0	0.0	T ON BOTM 1458 hr
B1. Final Flow	68.0	63.0	51.0	0.0	0.0	T OPEN 1500 hr
C. In Shut-in	1486.0	1496.0	1497.0	0.0	0.0	T PULLED 1815 hr
D. Init Flow	78.0	81.0	56.0	0.0	0.0	T OUT 2000 hr
E. Final Flow	118.0	120.0	105.0	0.0	0.0	
F. Fl Shut-in	1486.0	1486.0	1481.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1916.0	1930.0	1877.0	2238.0	0.0	Tool Wt. 2000.00 lbs
Inside/Outside	O	O	I	T		Wt Set On Packer 20000.00 lbs

RECOVERY

Tot Fluid 196.00 ft of 196.00 ft in DC and 0.00 ft in DP
 72.00 ft of Watery mud - 30% water, 70% mud
 124.00 ft of Muddy water - 80% water, 20% mud

Unseated Str Wt 50000.00 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 237.00 ft
 D.P. Length 4163.00 ft

RW .31 @ 60 F

SALINITY 28000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow -
 Weak, building to 2.25"

Final Flow -
 Weak, building to .5"

SAMPLES:
 SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/c
Vis.	46.00 S/L
W.L.	10.40 in3
F.C.	0.00 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	125.00 F
Hole Condition	GOOD
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	3
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	DAN BANGLE
Co. Rep.	TOM ROBINSON
Contr.	PICKRELL
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

TEST HISTORY

TK#9502 DST#4 GOFF#1 KEN WHITE

Flag Points

	t (Min.)	P (PSig)
A:	0.00	1883.33
B:	0.00	14.59
C:	33.00	51.44
D:	43.00	1496.93
E:	0.00	55.97
F:	59.00	104.65
G:	60.00	1480.73
Q:	0.00	1877.37

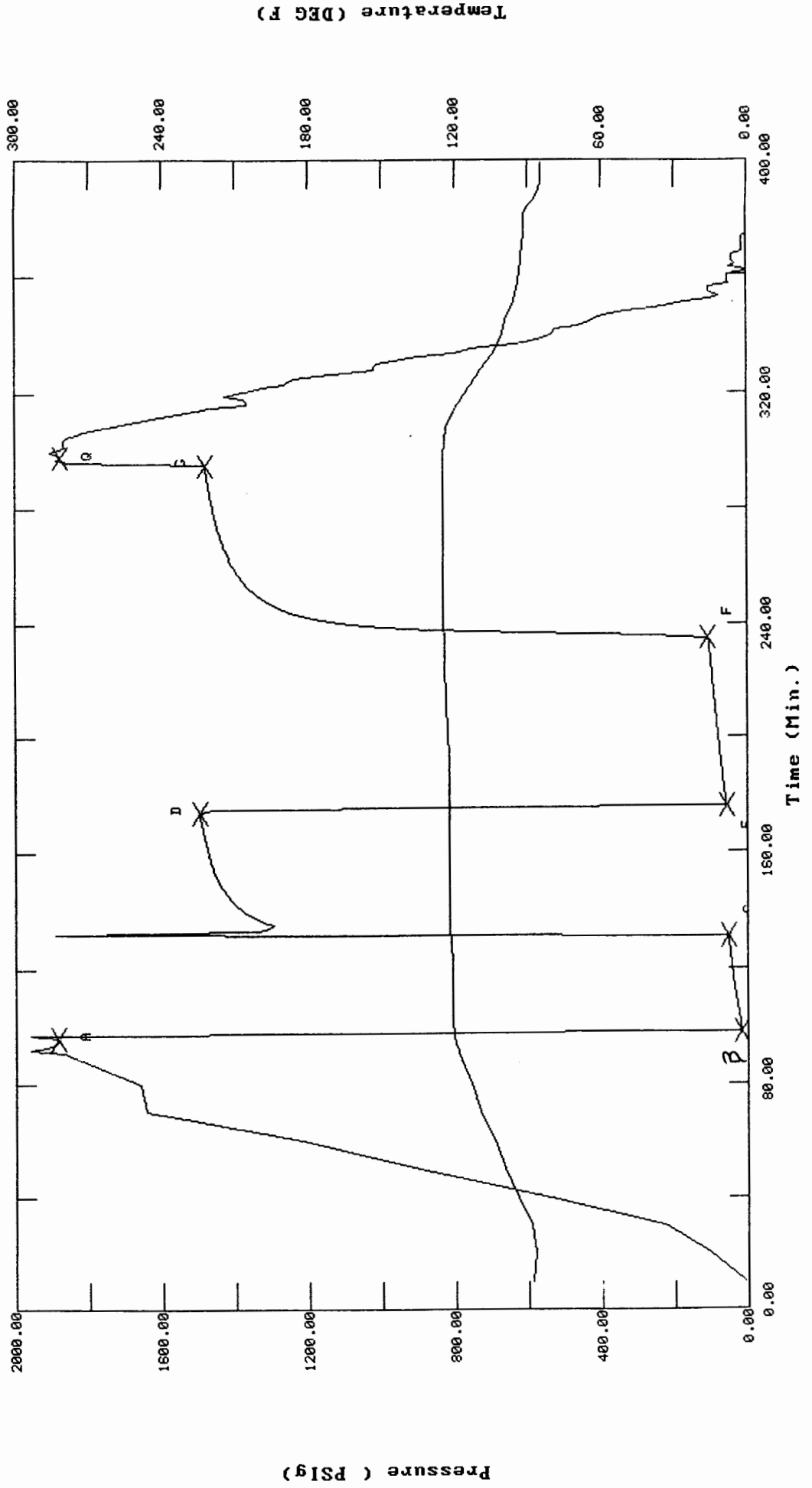
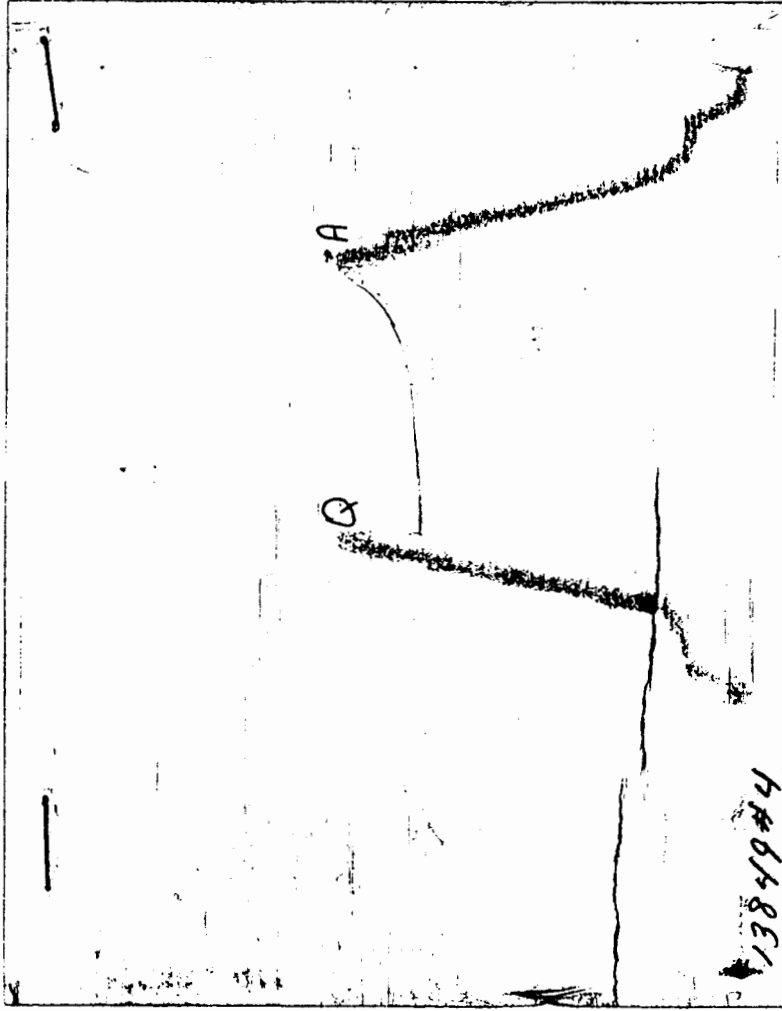


CHART PAGE



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

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK#9502 DST#4 GOFF#1 KEN WHITE

DATE: 08/02/96 TIME: 13:21:08

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	96.00	1883.3	0.0	120.29		
***** Start Flow 1	0.00	14.6	0.0	120.62		
	1.00	16.1	1.5	120.76		
	2.00	16.4	1.8	120.83		
	3.00	17.5	2.9	120.87		
	4.00	18.8	4.2	120.89		
	5.00	20.1	5.5	120.91		
	6.00	21.5	6.9	120.92		
	7.00	22.7	8.1	120.94		
	8.00	23.8	9.2	120.95		
	9.00	25.1	10.5	120.96		
	10.00	26.4	11.8	120.98		
	11.00	27.8	13.2	121.00		
	12.00	29.0	14.4	121.00		
	13.00	30.3	15.7	121.02		
	14.00	31.5	17.0	121.03		
	15.00	32.7	18.1	121.05		
	16.00	34.1	19.5	121.06		
	17.00	35.4	20.8	121.08		
	18.00	36.7	22.1	121.10		
	19.00	37.8	23.2	121.12		
	20.00	38.9	24.3	121.14		
	21.00	39.9	25.3	121.17		
	22.00	40.9	26.3	121.18		
	23.00	41.9	27.3	121.20		
	24.00	42.9	28.3	121.23		
	25.00	43.9	29.3	121.27		
	26.00	44.7	30.1	121.32		
	27.00	45.6	31.1	121.38		
	28.00	46.7	32.1	121.46		
	29.00	47.6	33.0	121.57		
	30.00	48.6	34.0	121.67		
	31.00	49.4	34.8	121.77		
	32.00	50.3	35.8	121.86		
***** End Flow 1	33.00	51.4	36.8	121.92		
***** Start Shutin 1	0.00	51.4	0.0	121.92	0.0000	0.003
	1.00	1893.2	1841.7	122.04	34.0000	3.584
	2.00	1335.5	1284.0	122.08	17.5000	1.783
	3.00	1309.1	1257.7	122.13	12.0000	1.714
	4.00	1294.4	1243.0	122.17	9.2500	1.675
	5.00	1312.0	1260.5	122.21	7.6000	1.721
	6.00	1330.9	1279.5	122.25	6.5000	1.771
	7.00	1347.9	1296.4	122.30	5.7143	1.817
	8.00	1362.4	1311.0	122.34	5.1250	1.856
	9.00	1375.0	1323.5	122.38	4.6667	1.891
	10.00	1385.9	1334.5	122.41	4.3000	1.921
	11.00	1395.4	1343.9	122.42	4.0000	1.947
	12.00	1403.6	1352.2	122.43	3.7500	1.970
	13.00	1411.2	1359.7	122.42	3.5385	1.991
	14.00	1417.9	1366.4	122.40	3.3571	2.010
	15.00	1424.1	1372.6	122.37	3.2000	2.028

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK#9502 DST#4 GOFF#1 KEN WHITE
 DATE: 08/02/96 TIME: 13:21:08

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
16.00	1429.6	1378.2	122.37	3.0625	2.044
17.00	1434.7	1383.3	122.35	2.9412	2.058
18.00	1439.4	1387.9	122.34	2.8333	2.072
19.00	1443.7	1392.3	122.38	2.7368	2.084
20.00	1447.8	1396.4	122.32	2.6500	2.096
21.00	1451.5	1400.1	122.32	2.5714	2.107
22.00	1455.1	1403.7	122.31	2.5000	2.117
23.00	1458.4	1407.0	122.32	2.4348	2.127
24.00	1461.4	1410.0	122.32	2.3750	2.136
25.00	1464.4	1412.9	122.32	2.3200	2.144
26.00	1467.0	1415.6	122.33	2.2692	2.152
27.00	1469.5	1418.0	122.33	2.2222	2.159
28.00	1471.7	1420.3	122.34	2.1786	2.166
29.00	1474.1	1422.7	122.36	2.1379	2.173
30.00	1476.1	1424.7	122.36	2.1000	2.179
31.00	1478.2	1426.8	122.37	2.0645	2.185
32.00	1480.2	1428.8	122.38	2.0312	2.191
33.00	1482.1	1430.6	122.38	2.0000	2.197
34.00	1483.8	1432.4	122.41	1.9706	2.202
35.00	1485.4	1434.0	122.42	1.9429	2.207
36.00	1487.2	1435.8	122.42	1.9167	2.212
37.00	1488.8	1437.3	122.42	1.8919	2.216
38.00	1490.3	1438.9	122.43	1.8684	2.221
39.00	1491.7	1440.3	122.43	1.8462	2.225
40.00	1493.0	1441.5	122.45	1.8250	2.229
41.00	1494.5	1443.1	122.45	1.8049	2.234
42.00	1495.7	1444.2	122.47	1.7857	2.237
***** End Shut-in 1	43.00	1496.9	1445.5	122.47	2.241
***** Start Flow 2	0.00	56.0	0.0	122.43	
	1.00	56.6	0.6	122.39	
	2.00	57.6	1.7	122.34	
	3.00	58.7	2.8	122.31	
	4.00	59.8	3.9	122.28	
	5.00	60.8	4.9	122.26	
	6.00	61.8	5.9	122.24	
	7.00	62.8	6.8	122.24	
	8.00	63.7	7.7	122.24	
	9.00	64.6	8.6	122.26	
	10.00	65.4	9.4	122.28	
	11.00	66.3	10.3	122.31	
	12.00	67.3	11.3	122.34	
	13.00	68.2	12.3	122.37	
	14.00	69.3	13.3	122.41	
	15.00	70.2	14.3	122.44	
	16.00	71.2	15.3	122.47	
	17.00	72.0	16.0	122.51	
	18.00	72.8	16.9	122.54	
	19.00	73.8	17.9	122.56	
	20.00	74.8	18.8	122.59	
	21.00	75.5	19.6	122.62	
	22.00	76.4	20.5	122.68	

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK#9502 DST#4 GOFF#1 KEN WHITE

DATE: 08/02/96

TIME: 13:21:08

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	23.00	77.3	21.3	122.74		
	24.00	78.2	22.2	122.81		
	25.00	78.9	22.9	122.86		
	26.00	79.6	23.7	122.92		
	27.00	80.4	24.4	122.99		
	28.00	81.2	25.3	123.05		
	29.00	82.1	26.1	123.10		
	30.00	82.9	26.9	123.16		
	31.00	83.7	27.7	123.21		
	32.00	84.4	28.5	123.25		
	33.00	85.3	29.3	123.29		
	34.00	86.0	30.0	123.34		
	35.00	86.9	31.0	123.39		
	36.00	87.5	31.6	123.44		
	37.00	88.4	32.4	123.48		
	38.00	89.1	33.2	123.53		
	39.00	89.8	33.8	123.59		
	40.00	90.5	34.6	123.64		
	41.00	91.3	35.3	123.70		
	42.00	92.0	36.0	123.75		
	43.00	92.6	36.7	123.81		
	44.00	93.4	37.4	123.86		
	45.00	94.2	38.3	123.91		
	46.00	95.0	39.0	123.96		
	47.00	95.8	39.8	124.00		
	48.00	96.5	40.5	124.04		
	49.00	97.3	41.4	124.08		
	50.00	98.1	42.1	124.11		
	51.00	98.8	42.8	124.15		
	52.00	99.5	43.6	124.18		
	53.00	100.3	44.3	124.20		
	54.00	101.1	45.2	124.22		
	55.00	101.8	45.8	124.25		
	56.00	102.5	46.5	124.28		
	57.00	103.2	47.3	124.29		
	58.00	103.8	47.8	124.32		
*****	End Flow 2	59.00	104.6	48.7	124.34	
*****	Start Shutin 2	0.00	104.6	0.0	124.34	0.011
		1.00	257.0	152.3	124.36	93.0000 0.066
		2.00	610.1	505.5	124.40	47.0000 0.372
		3.00	862.0	757.4	124.44	31.6667 0.743
		4.00	997.6	893.0	124.49	24.0000 0.995
		5.00	1082.2	977.6	124.54	19.4000 1.171
		6.00	1141.2	1036.6	124.59	16.3333 1.302
		7.00	1185.4	1080.7	124.65	14.1429 1.405
		8.00	1219.5	1114.9	124.67	12.5000 1.487
		9.00	1246.6	1141.9	124.71	11.2222 1.554
		10.00	1269.0	1164.3	124.73	10.2000 1.610
		11.00	1287.7	1183.0	124.76	9.3636 1.658
		12.00	1303.6	1199.0	124.76	8.6667 1.699
		13.00	1317.5	1212.8	124.77	8.0769 1.736

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK#9502 DST#4 GOFF#1 KEN WHITE
 DATE: 08/02/96 TIME: 13:21:08

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	14.00	1329.6	1224.9	124.78	7.5714	1.768
	15.00	1340.2	1235.6	124.79	7.1333	1.796
	16.00	1349.8	1245.2	124.80	6.7500	1.822
	17.00	1358.4	1253.8	124.79	6.4118	1.845
	18.00	1366.4	1261.8	124.79	6.1111	1.867
	19.00	1373.6	1268.9	124.81	5.8421	1.887
	20.00	1380.1	1275.5	124.80	5.6000	1.905
	21.00	1386.1	1281.4	124.80	5.3810	1.921
	22.00	1391.6	1286.9	124.79	5.1818	1.937
	23.00	1396.9	1292.2	124.79	5.0000	1.951
	24.00	1401.8	1297.1	124.79	4.8333	1.965
	25.00	1406.3	1301.6	124.80	4.6800	1.978
	26.00	1410.7	1306.0	124.80	4.5385	1.990
	27.00	1414.6	1309.9	124.79	4.4074	2.001
	28.00	1418.3	1313.6	124.80	4.2857	2.012
	29.00	1421.9	1317.2	124.79	4.1724	2.022
	30.00	1425.3	1320.6	124.80	4.0667	2.031
	31.00	1428.4	1323.7	124.80	3.9677	2.040
	32.00	1431.5	1326.8	124.83	3.8750	2.049
	33.00	1434.2	1329.6	124.79	3.7879	2.057
	34.00	1437.1	1332.4	124.80	3.7059	2.065
	35.00	1439.6	1335.0	124.80	3.6286	2.072
	36.00	1442.2	1337.6	124.80	3.5556	2.080
	37.00	1444.6	1339.9	124.80	3.4865	2.087
	38.00	1446.8	1342.2	124.80	3.4211	2.093
	39.00	1449.1	1344.4	124.80	3.3590	2.100
	40.00	1451.2	1346.5	124.79	3.3000	2.106
	41.00	1453.2	1348.6	124.79	3.2439	2.112
	42.00	1455.2	1350.6	124.79	3.1905	2.118
	43.00	1457.1	1352.4	124.79	3.1395	2.123
	44.00	1458.8	1354.2	124.79	3.0909	2.128
	45.00	1460.6	1355.9	124.79	3.0444	2.133
	46.00	1462.3	1357.6	124.79	3.0000	2.138
	47.00	1463.9	1359.2	124.79	2.9574	2.143
	48.00	1465.5	1360.9	124.78	2.9167	2.148
	49.00	1467.0	1362.4	124.79	2.8776	2.152
	50.00	1468.5	1363.8	124.78	2.8400	2.156
	51.00	1469.8	1365.2	124.79	2.8039	2.160
	52.00	1471.2	1366.6	124.78	2.7692	2.165
	53.00	1472.5	1367.9	124.78	2.7358	2.168
	54.00	1473.8	1369.1	124.78	2.7037	2.172
	55.00	1475.0	1370.4	124.78	2.6727	2.176
	56.00	1476.3	1371.6	124.78	2.6429	2.179
	57.00	1477.4	1372.7	124.78	2.6140	2.183
	58.00	1478.5	1373.9	124.78	2.5862	2.186
	59.00	1479.7	1375.1	124.78	2.5593	2.190
***** End Shut-in 2	60.00	1480.7	1376.1	124.77	2.5333	2.193
***** Final Hydro.	298.00	1877.4	0.0	124.66		

*** TOOL DIAGRAM *** CONV STRADDLE

WELL NAME: #1 Goff

LOCATION : 8-28S-9W, Kingman Cty KS

TICKET No. 9502 D.S.T. No. 4 DATE 8-2-96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL 35

BOTTOM PACKERS AND ANCHOR 618

TOTAL TOOL 673

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 673

D.C. ABOVE TOOLS.Stands4 Single Total 237

D.P. ABOVE TOOLS.Stands66 Single Total 3565

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4475

TOTAL DEPTH 4458

TOTAL DRILL PIPE ABOVE K.B. 17

REMARKS:

P.O. SUB	
C.O. SUB	3785
S.I. TOOL	3791
HMV	3796
JARS NA	
SAFETY JOINT NA	
PACKER	3800
PACKER	3805
DEPTH 3805	
STUBB 1'	3806
ANCHOR 5' PERFS	3811
ALPINE RECORDER	3816
5' PERFS	3816
5' PERFS	3821
5' PERFS	3826
5' PERFS	3831
AK-1 RECORDER	3834
5' PERFS	3836
BLANK OFF SUB	3837
T.C.	3840
DEPTH 3840	
PACKER STRADDLE	3840
1' STUBB	3841
5' PERFS	3846
PACKER 5' PERFS	3851
9-1/2 STDS DP 598'	4449
CO SUB	4450
3' PERFS	4453
AK-1 RECORDER	4455
BULLNOSE 5' BULL PLUG	
T.D.	4458

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 9502

Well Name & No. <u>#1 Goff</u>	Test No. <u>4</u>	Date <u>8-2-96</u>
Company <u>Kenneth S. White</u>	Zone Tested <u>Herrha</u>	
Address _____	Elevation <u>1638</u>	KB <u>1633</u> GL
Co. Rep / Geo. <u>Tom Robinson</u>	Cont. <u>Pickcell #1</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>8</u> Twp. <u>28</u> Rge. <u>9</u>	Co. <u>Kingman</u>	State <u>Ks</u>
No. of Copies <u>STD</u> Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____	Evaluation (Y, N) _____

Interval Tested 3840 - 3805 Initial Str Wt./Lbs. 50,000 Unseated Str Wt./Lbs. 50,000
 Anchor Length 35 Wt. Set Lbs. 29,000 Wt. Pulled Loose/Lbs. 20,000
 Top Packer Depth 3805 Tool Weight 2000
 Bottom Packer Depth 3840 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 4458 Wt. Pipe Run _____ Drill Collar Run 237
 Mud Wt. 9.1 LCM _____ Vis. 46 WL 10.4 Drill Pipe Size 4.5 X 4 Ft. Run 4163
 Blow Description I.F. Weak - building to 2'4"

F.F. Weak - building to 1/2"

Recovery — Total Feet <u>196</u>	GIP _____	Ft. in DC <u>196</u>	Ft. in DP _____
Rec. <u>72</u> Feet Of <u>wtry mud</u>	%gas _____	%oil <u>30</u>	%water <u>20</u> %mud _____
Rec. <u>124</u> Feet Of <u>muddy wtr.</u>	%gas _____	%oil <u>80</u>	%water <u>20</u> %mud _____
Rec. _____ Feet Of _____	%gas _____	%oil _____	%water _____ %mud _____
Rec. _____ Feet Of _____	%gas _____	%oil _____	%water _____ %mud _____
Rec. _____ Feet Of _____	%gas _____	%oil _____	%water _____ %mud _____

BHT 125 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API

RW .31 @ 60 °F Chlorides 28,000 ppm Recovery Chlorides 5000 ppm System

(A) Initial Hydrostatic Mud <u>1936</u> <u>1959</u> PSI	Recorder No. <u>2342</u>	T-Started <u>13:30</u>
(B) First Initial Flow Pressure <u>39</u> <u>15</u> PSI	(depth) <u>3806</u>	T-Open <u>15:00</u>
(C) First Final Flow Pressure <u>68</u> <u>51</u> PSI	Recorder No. <u>13754</u>	T-Pulled <u>18:15</u>
(D) Initial Shut-in Pressure <u>1486</u> <u>1460</u> PSI	(depth) <u>3833</u>	T-Out <u>20:00</u>
(E) Second Initial Flow Pressure <u>78</u> <u>56</u> PSI	Recorder No. <u>13849</u>	
(F) Second Final Flow Pressure <u>118</u> <u>105</u> PSI	(depth) <u>4455</u>	
(G) Final Shut-in Pressure <u>1486</u> <u>1481</u> PSI	Initial Opening <u>30</u>	Test <u>600</u>
(H) Final Hydrostatic Mud <u>1916</u> <u>1904</u> PSI	Initial Shut-in <u>45</u>	Jars _____
<u>AK-1</u> <u>Alpine</u>	Final Flow <u>60</u>	Safety Joint _____
	Final Shut-in <u>60</u>	Straddle <u>X</u> <u>250</u>

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 Ken White
 Our Representative Dan Bangle

Circ. Sub _____
 Sampler _____
 Extra Packer X 150
 Elect. Rec. X 150
 Other _____
 TOTAL PRICE \$ 1150

TEST HISTORY

TK#9503 DST#5 #1 GOFF KEN WHITE

Flag Points

t (Min.) P (PSIG)

R: 0.00 790.42

Q: 0.00 780.35

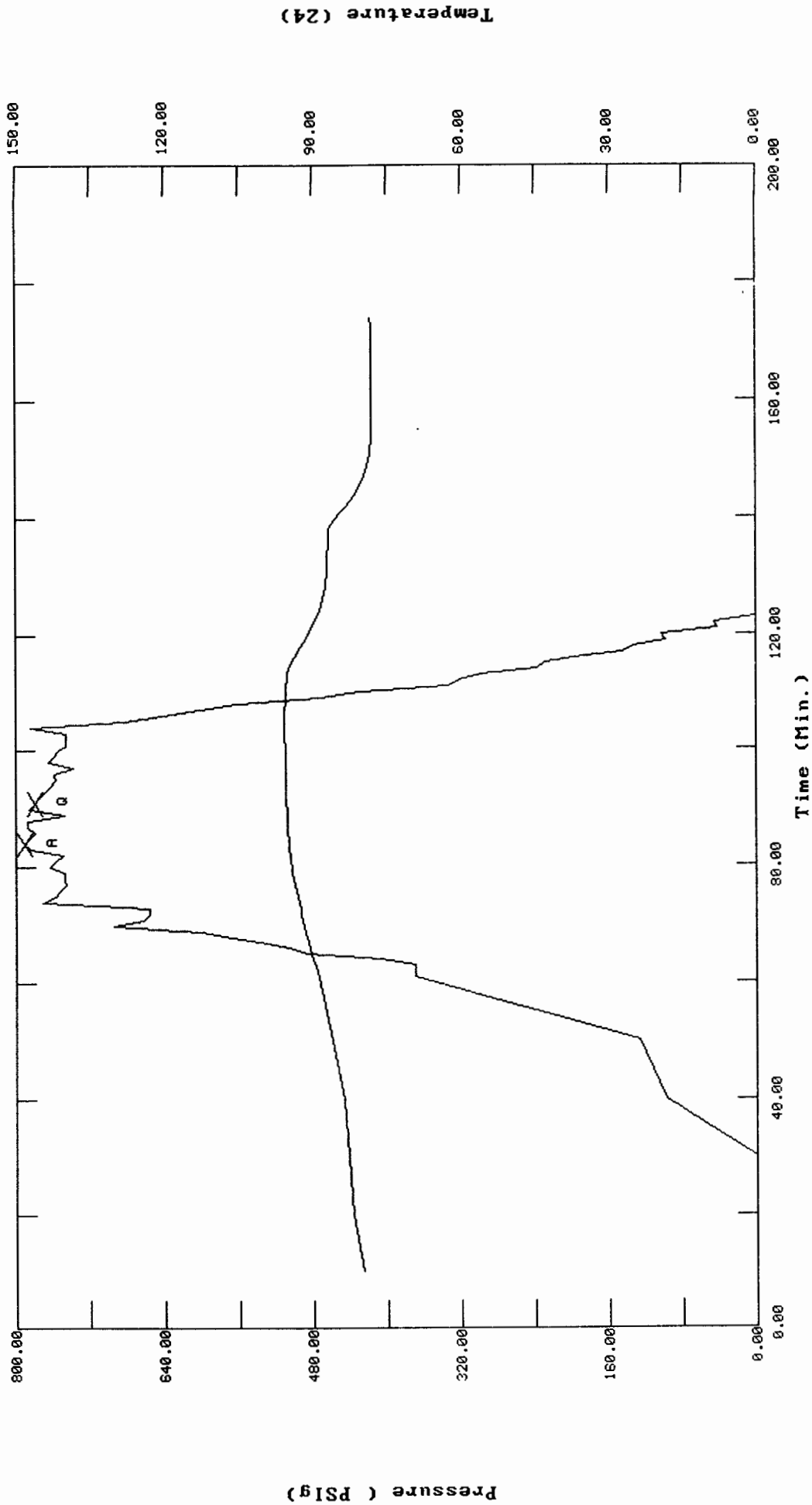
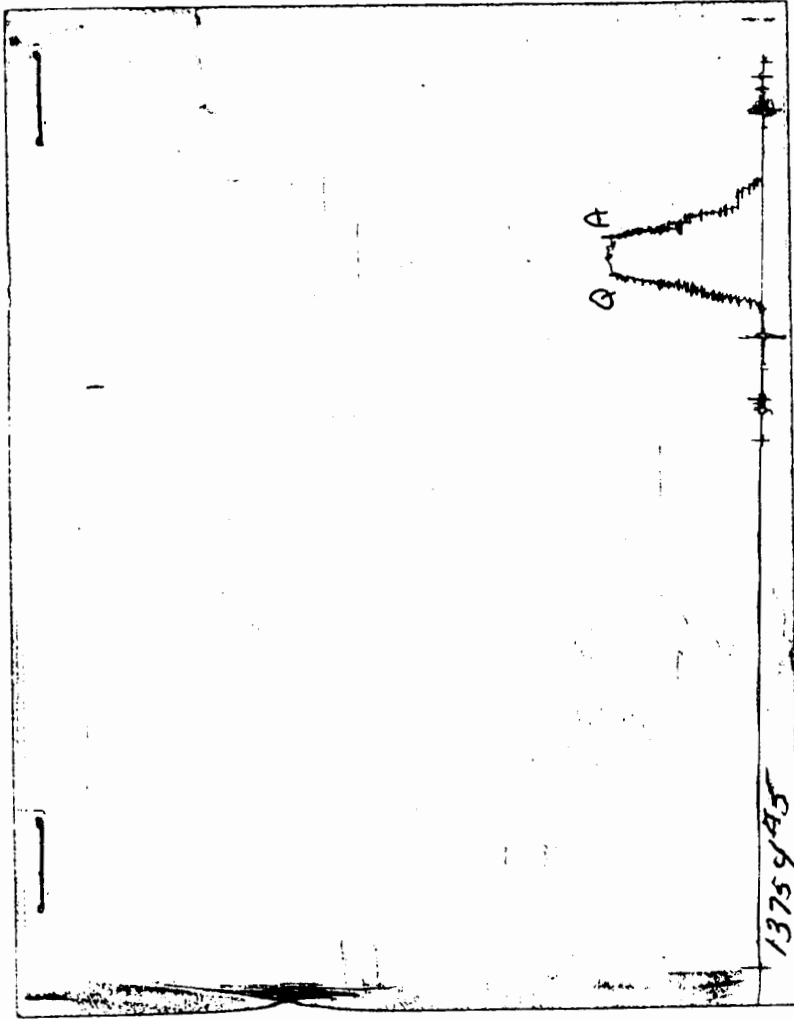
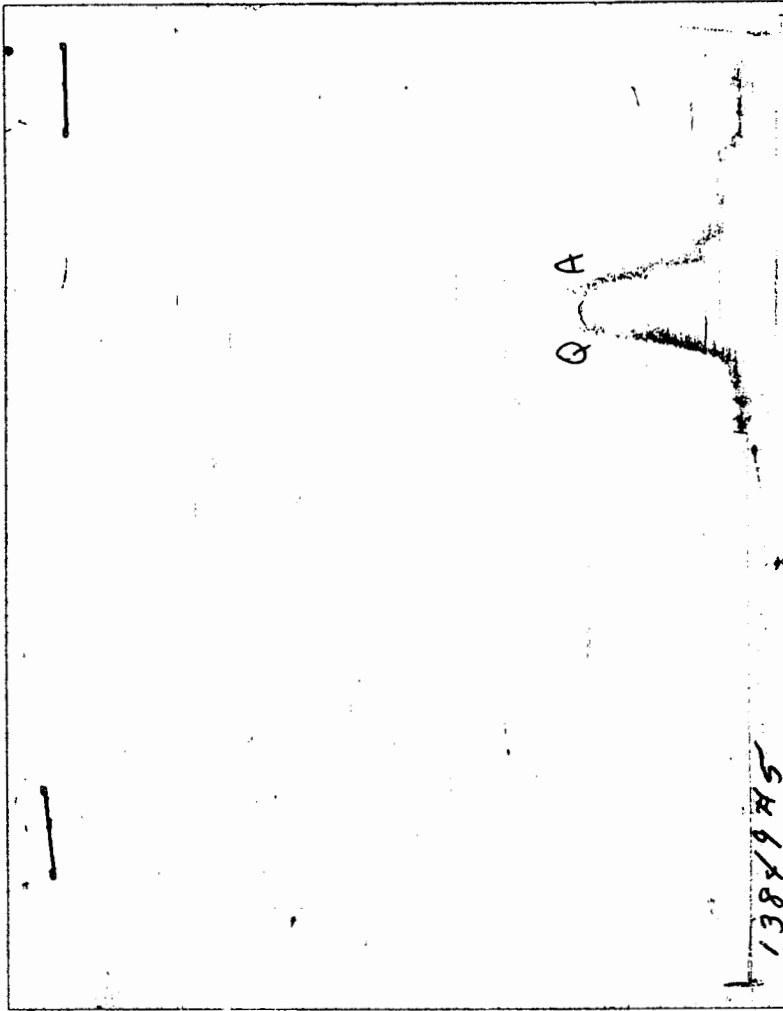


CHART PAGE



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

CHART PAGE



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

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK#9503 DST#5 #1 GOFF KEN WHITE

DATE: 08/02/96

TIME: 22312307-24

	Time	Pressure PSig	delta P PSig	Temp. 24	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	84.00	790.4	0.0	94.80		
***** Start Flow 1	0.00	780.4	0.0	95.26		
***** End Flow 1	1.00	774.3	-6.0	95.30		
***** End Shut-in 1	93.00	774.3	0.0	95.30	0.0108	0.600
***** Final Hydro.	92.00	774.3	0.0	95.30		

*** TOOL DIAGRAM *** CONV STRADDLE HOOK

WELL NAME: #1 Goff

LOCATION : 8-28S-9W, Kingman Cty KS

TICKET No. 9503 D.S.T. No. 5 DATE 8-2-96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL

TOTAL PACKERS AND ANCHOR 53

TOTAL TOOL 73

DRILL COLLAR ANCHOR IN INTERVAL

T.C. ANCHOR STANDS Single Total

D.P. ANCHOR STANDS Single 1 Total 31

TOTAL ASSEMBLY 73

T.C. ABOVE TOOLS STANDS 4 Single Total 237

D.P. ABOVE TOOLS STANDS Single Total 1472

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 1791

TOTAL DEPTH 1783

TOTAL DRILL PIPE ABOVE K.B. 8

REMARKS:

P.O. SUB	
C.O. SUB	1516
S.I. TOOL STERLING	1522
HMV STERLING	1527
JARS NA	
SAFETY JOINT NA	
PACKER	1531
PACKER	1536
DEPTH 1536	
STUBB 1'	1537
ANCHOR 4' PERFS	1541
1' CO SUB	1542
ALPINE RECORDER	1542
1 JT DP 31'	1573
1' CO SUB	1574
5' PERFS	1579
AK-1 RECORDER	1579
5' PERFS	1584
1' PERFS	1585
1' BLANK OFF SUB	1586
T.C. 3'	1589
DEPTH 1589	
PACKER	1589
1' STUBB	1590
1' CO SUB	1591
3-STDS DP 191'	1782
1' CO SUB	1783
HOOKWALL	1783
1' CO SUB	1784
1-STD-DP 63'	1847
1' CO SUB	1848
AK-1 RECORDER	1850
BULLNOSE 5' BULLPLUG	
T.D.	1853

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 9503

Well Name & No. <u>#1 Goff</u>	Test No. <u>5</u>	Date <u>8-2-96</u>
Company <u>Kenneth S. White</u>	Zone Tested <u>?</u>	
Address _____	Elevation <u>1638</u>	KB <u>1633</u> GL
Co. Rep / Geo. <u>Tom Robinson</u>	Cont. <u>Pickrell #1</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>8</u>	Twp. <u>28</u>	Rge. <u>9</u> Co. <u>Kingman</u> State <u>Ks</u>
No. of Copies <u>STD</u>	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 1536 - 1589 Initial Str Wt./Lbs. 28,000 Unseated Str Wt./Lbs. 28,000
Anchor Length 53 Wt. Set Lbs. _____ Wt. Pulled Loose/Lbs. _____
Top Packer Depth 1536 Tool Weight 2000
Bottom Packer Depth 1589 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
Total Depth 4458 Wt. Pipe Run _____ Drill Collar Run 237
Mud Wt. 9.1 LCM _____ Vis. 46 WL 10.4 Drill Pipe Size 4.5xH Ft. Run 1472
Blow Description Misrun - Could not get hook to set

Recovery — Total Feet _____ GIP _____ Ft. in DC _____ Ft. in DP _____

Rec. _____ Feet Of _____	%gas	%oil	%water	%mud
Rec. _____ Feet Of _____	_____	_____	_____	_____
Rec. _____ Feet Of _____	_____	_____	_____	_____
Rec. _____ Feet Of _____	_____	_____	_____	_____
Rec. _____ Feet Of _____	_____	_____	_____	_____

BHT 95 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 5000 ppm System

(A) Initial Hydrostatic Mud <u>788</u> <u>790</u> PSI	Recorder No. <u>2342</u>	T-Started <u>2100</u>
(B) First Initial Flow Pressure _____ PSI	(depth) <u>1542</u>	T-Open _____
(C) First Final Flow Pressure _____ PSI	Recorder No. <u>13754</u>	T-Pulled _____
(D) Initial Shut-in Pressure _____ PSI	(depth) <u>1581</u>	T-Out _____
(E) Second Initial Flow Pressure _____ PSI	Recorder No. <u>13849</u>	
(F) Second Final Flow Pressure _____ PSI	(depth) <u>1780</u>	
(G) Final Shut-in Pressure _____ PSI	Initial Opening _____	Test <u>600</u>
(H) Final Hydrostatic Mud <u>768</u> <u>780</u> PSI	Initial Shut-in _____	Jars _____
<u>AK-1</u> <u>Alpine</u>	Final Flow _____	Safety Joint _____
	Final Shut-in _____	Straddle <u>X</u> <u>250</u>
		Circ. Sub _____
		Sampler _____
		Extra Packer <u>X</u> <u>150</u>
		Elect. Rec. <u>X</u> <u>150</u>
		Other <u>Hook Wall</u> <u>300</u>
		TOTAL PRICE \$ <u>1450</u>

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Approved By _____
Our Representative Dan Bangle