

WELL NAME: Bouziden #2
COMPANY: CMX Inc.
LOCATION: 13-34s-14w
Barber County, Kansas
DATE: 10/6/98

TRILOBITE TESTING L.L.C.

OPERATOR : CMX, Inc.

DATE 09/29/199

WELL NAME: Bouziden #2

KB 1685.00 ft

TICKET NO: 11857 DST #1

LOCATION : 13-34s-14w Barber co. KS

GR 1676.00 ft

FORMATION: Kansas city

INTERVAL : 4130.00 To 4150.00 ft

TD 4150.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	10332	10332	2357			PF Fr. 0904 to 0934 hr
SI 45	Range (Psi)	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 0934 to 1019 hr
SF 45	Clock (hrs)	12hr.	12hr	elec.			SF Fr. 1019 to 1104 hr
FS 60	Depth(ft)	4147.0	4147.0	4136.0	0.0	0.0	FS Fr. 1104 to 1204 hr

	Field	1	2	3	4	
A. Init Hydro	2018.0	2027.0	2014.0	0.0	0.0	T STARTED 0654 hr
B. First Flow	91.0	99.0	52.0	0.0	0.0	T ON BOTM 0902 hr
B1. Final Flow	354.0	373.0	357.0	0.0	0.0	T OPEN 0904 hr
C. In Shut-in	1529.0	1534.0	1537.0	0.0	0.0	T PULLED 1204 hr
D. Init Flow	395.0	401.0	371.0	0.0	0.0	T OUT 1410 hr
E. Final Flow	689.0	683.0	693.0	0.0	0.0	
F. Fl Shut-in	1529.0	1541.0	1539.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2008.0	2004.0	1945.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 60000.00 lbs
						Initial Str Wt 48000.00 lbs
						Unseated Str Wt 58000.00 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 0.00 ft
						D.P. Length 4107.00 ft

RECOVERY

Tot Fluid 1470.00 ft of 0.00 ft in DC and 1470.00 ft in DP
 120.00 ft of Slight water cut mud 70% water 30% mud
 1350.00 ft of Salt water
 0.00 ft of
 0.00 ft of

SALINITY 140000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 Fair blow bottom of bucket in
 4 1/2 mins.
 Initial Shut-in:
 Bled down for 5 mins.
 Final Flow:
 Fair blow built to bottom of bucket
 in 5 mins.
 Final Shut-in:
 Bled down for 5 mins. weak surface
 blow back

MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/cf
Vis.	48.00 S/L
W.L.	10.50 in3
F.C.	0.32 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	123.00 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.	Doug McGinness
Contr.	Duke
Rig #	4
Unit #	no
Pump T.	none

SAMPLES:
 SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Bouziden #2

LOCATION : 13-34s-14w Barber co. KS

WELL No. 11857 D.S.T. No. 1 DATE 09/29/199

TOTAL TOOL TO BOTTOM OF TOP PACKERS 28

INTERVAL TOOL

TOTAL PACKERS AND ANCHOR 20

TOTAL TOOL 48

WELL COLLAR ANCHOR IN INTERVAL

C. ANCHOR STAND.Stands Single Total

P. ANCHOR STAND.Stands Single Total

TOTAL ASSEMBLY

C. ABOVE TOOLS.Stands Single Total

P. ABOVE TOOLS.Stands 66 Single Total 4107

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4155

TOTAL DEPTH 4150

TOTAL DRILL PIPE ABOVE K.B. 5

REMARKS:

P.O. SUB top of tool @	4103
C.O. SUB	4104
S.I. TOOL	4109
HMV	4114
JARS	4119
SAFETY JOINT	4121
PACKER	4125
PACKER	4130
DEPTH 4130	
STUBB 1'to	4131
ANCHOR 17'of perms.to	4148
Alpine rec.@ 4136	
T.C. DEPTH	
	4148
	4148
Ak-1 rec.@ 4147	
BULLNOSE 2'bullnose to T.D.	4150

TEST HISTORY

TK#11857 DST#1 Bouziden #2 CMX, Inc.

Flag Points

Flag Points	Time (Min.)	Pressure (PSIg)
A:	0.00	2014.04
B:	0.00	52.32
C:	29.00	356.61
D:	45.00	1537.01
E:	0.00	370.63
F:	44.00	693.19
G:	61.00	1538.58
H:	0.00	1944.89

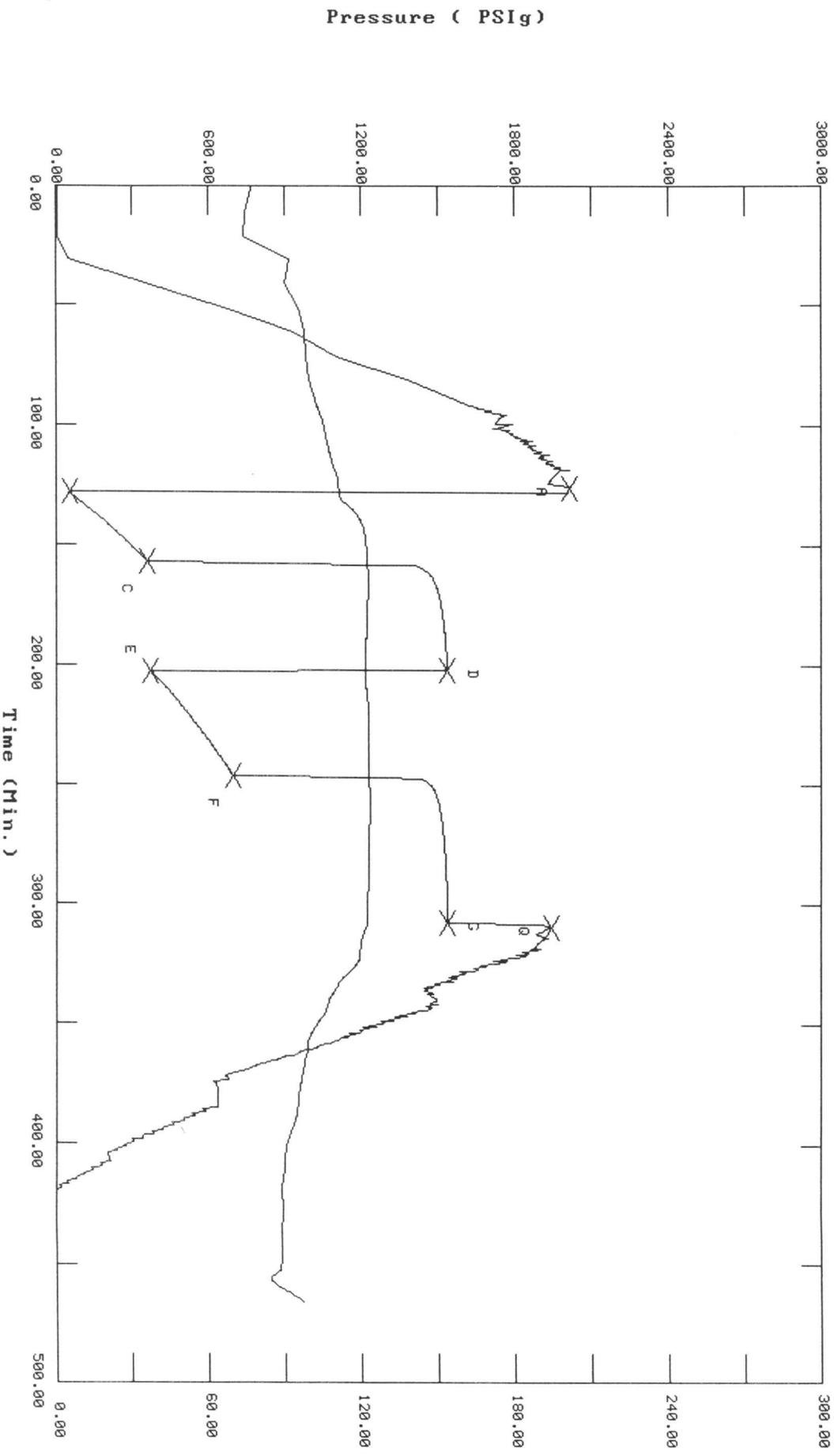
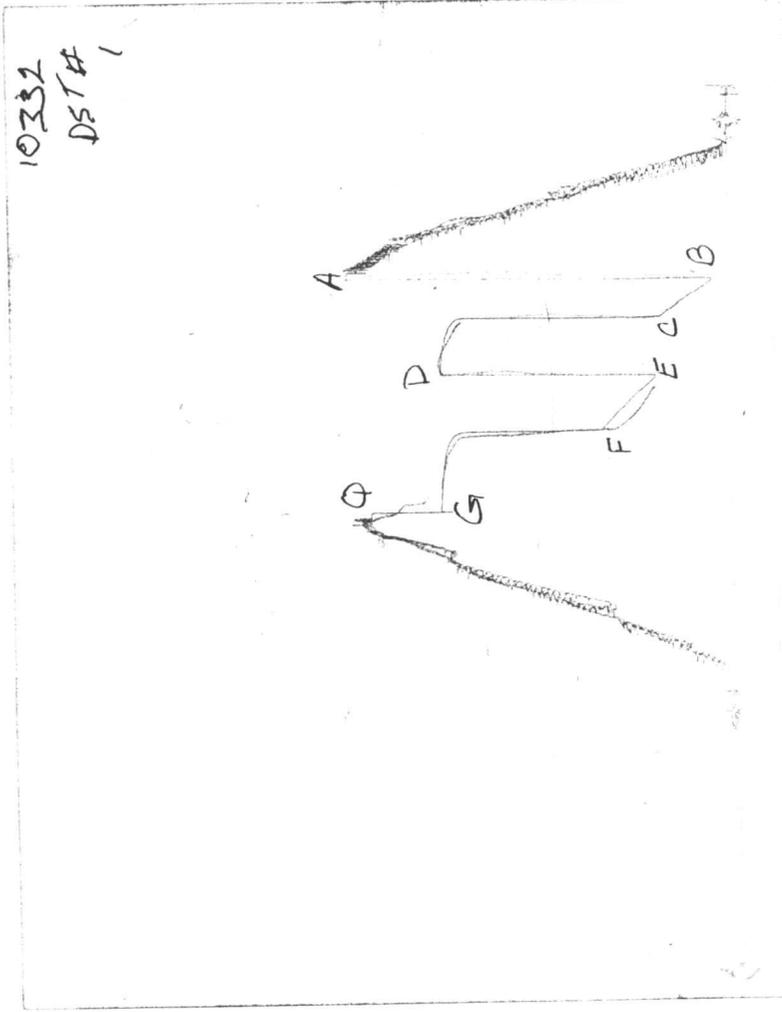


CHART PAGE



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

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#11857 DST#1 Bouziden #2 CMX, Inc.

DATE: 09/29/98

TIME: 06:56:33

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	126.00	2014.0	0.0	111.17		
***** Start Flow 1	0.00	52.3	0.0	111.42		
	0.50	54.5	2.2	111.48		
	1.00	56.8	4.5	111.52		
	1.50	61.7	9.4	111.57		
	2.00	68.5	16.1	111.67		
	2.50	74.5	22.2	111.89		
	3.00	81.2	28.9	112.25		
	3.50	88.1	35.8	112.72		
	4.00	93.3	40.9	113.29		
	4.50	99.4	47.1	113.86		
	5.00	105.6	53.3	114.46		
	5.50	112.0	59.7	115.06		
	6.00	117.8	65.5	115.61		
	6.50	124.0	71.7	116.10		
	7.00	129.8	77.5	116.63		
	7.50	135.7	83.4	117.09		
	8.00	141.7	89.4	117.52		
	8.50	147.5	95.2	117.91		
	9.00	153.8	101.4	118.28		
	9.50	159.7	107.4	118.62		
	10.00	165.5	113.2	118.94		
	10.50	171.2	118.9	119.23		
	11.00	176.6	124.2	119.51		
	11.50	182.3	130.0	119.75		
	12.00	188.2	135.8	119.98		
	12.50	193.8	141.5	120.18		
	13.00	199.4	147.1	120.37		
	13.50	204.4	152.1	120.54		
	14.00	209.4	157.1	120.70		
	14.50	214.7	162.4	120.85		
	15.00	219.8	167.5	120.98		
	15.50	224.9	172.6	121.09		
	16.00	230.4	178.0	121.22		
	16.50	235.4	183.1	121.32		
	17.00	240.3	188.0	121.42		
	17.50	245.7	193.4	121.50		
	18.00	250.7	198.4	121.58		
	18.50	255.6	203.3	121.65		
	19.00	261.2	208.9	121.72		
	19.50	266.4	214.1	121.77		
	20.00	271.8	219.5	121.83		
	20.50	276.8	224.5	121.88		
	21.00	281.6	229.3	121.92		
	21.50	286.3	234.0	121.96		
	22.00	291.4	239.1	122.01		
	22.50	296.2	243.9	122.03		
	23.00	301.0	248.7	122.07		
	23.50	305.9	253.6	122.11		
	24.00	310.6	258.3	122.14		
	24.50	315.4	263.1	122.17		

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	Time	Pressure PSI _g	delta P PSI _g	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	25.00	320.4	268.1	122.20		
	25.50	324.9	272.6	122.22		
	26.00	329.4	277.1	122.25		
	26.50	334.3	282.0	122.27		
	27.00	338.7	286.4	122.29		
	27.50	343.1	290.8	122.32		
	28.00	347.9	295.6	122.34		
	28.50	352.3	299.9	122.37		
***** End Flow 1	29.00	356.6	304.3	122.39		
***** Start Shutin 1	0.00	356.6	0.0	122.39	0.0000	0.127
	0.50	798.6	442.0	122.41	59.0000	0.638
	1.00	1370.0	1013.4	122.46	30.0000	1.877
	1.50	1409.9	1053.3	122.51	20.3333	1.988
	2.00	1427.5	1070.9	122.56	15.5000	2.038
	2.50	1438.6	1082.0	122.62	12.6000	2.070
	3.00	1447.3	1090.7	122.68	10.6667	2.095
	3.50	1454.1	1097.5	122.72	9.2857	2.114
	4.00	1459.7	1103.1	122.77	8.2500	2.131
	4.50	1464.6	1108.0	122.83	7.4444	2.145
	5.00	1468.9	1112.3	122.87	6.8000	2.158
	5.50	1472.5	1115.9	122.92	6.2727	2.168
	6.00	1475.7	1119.1	122.96	5.8333	2.178
	6.50	1478.7	1122.0	122.98	5.4615	2.186
	7.00	1481.3	1124.7	122.99	5.1429	2.194
	7.50	1483.8	1127.2	123.00	4.8667	2.202
	8.00	1486.1	1129.5	123.00	4.6250	2.209
	8.50	1488.2	1131.6	122.98	4.4118	2.215
	9.00	1490.3	1133.7	122.97	4.2222	2.221
	9.50	1492.1	1135.5	122.95	4.0526	2.226
	10.00	1493.9	1137.2	122.93	3.9000	2.232
	10.50	1495.5	1138.9	122.90	3.7619	2.237
	11.00	1497.0	1140.4	122.88	3.6364	2.241
	11.50	1498.5	1141.9	122.85	3.5217	2.246
	12.00	1499.9	1143.3	122.83	3.4167	2.250
	12.50	1501.2	1144.6	122.80	3.3200	2.254
	13.00	1502.4	1145.8	122.77	3.2308	2.257
	13.50	1503.7	1147.1	122.75	3.1481	2.261
	14.00	1504.8	1148.2	122.72	3.0714	2.265
	14.50	1505.9	1149.3	122.70	3.0000	2.268
	15.00	1507.0	1150.4	122.67	2.9333	2.271
	15.50	1508.0	1151.4	122.64	2.8710	2.274
	16.00	1509.0	1152.4	122.62	2.8125	2.277
	16.50	1509.9	1153.3	122.60	2.7576	2.280
	17.00	1510.8	1154.2	122.57	2.7059	2.283
	17.50	1511.7	1155.1	122.55	2.6571	2.285
	18.00	1512.6	1156.0	122.52	2.6111	2.288
	18.50	1513.3	1156.7	122.50	2.5676	2.290
	19.00	1514.1	1157.5	122.48	2.5263	2.293
	19.50	1514.9	1158.3	122.47	2.4872	2.295
	20.00	1515.6	1159.0	122.44	2.4500	2.297
	20.50	1516.3	1159.7	122.42	2.4146	2.299

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Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
21.00	1517.1	1160.5	122.40	2.3810	2.301
21.50	1517.7	1161.1	122.38	2.3488	2.304
22.00	1518.4	1161.8	122.36	2.3182	2.306
22.50	1519.0	1162.4	122.34	2.2889	2.307
23.00	1519.7	1163.1	122.32	2.2609	2.309
23.50	1520.3	1163.7	122.30	2.2340	2.311
24.00	1520.9	1164.3	122.28	2.2083	2.313
24.50	1521.5	1164.9	122.27	2.1837	2.315
25.00	1522.1	1165.5	122.24	2.1600	2.317
25.50	1522.7	1166.0	122.23	2.1373	2.318
26.00	1523.2	1166.6	122.21	2.1154	2.320
26.50	1523.7	1167.1	122.19	2.0943	2.322
27.00	1524.2	1167.6	122.17	2.0741	2.323
27.50	1524.7	1168.1	122.16	2.0545	2.325
28.00	1525.3	1168.6	122.14	2.0357	2.326
28.50	1525.8	1169.2	122.12	2.0175	2.328
29.00	1526.2	1169.6	122.10	2.0000	2.329
29.50	1526.6	1170.0	122.09	1.9831	2.331
30.00	1527.2	1170.6	122.07	1.9667	2.332
30.50	1527.6	1171.0	122.06	1.9508	2.333
31.00	1528.0	1171.4	122.04	1.9355	2.335
31.50	1528.4	1171.8	122.02	1.9206	2.336
32.00	1528.8	1172.2	122.00	1.9062	2.337
32.50	1529.2	1172.6	121.99	1.8923	2.339
33.00	1529.6	1173.0	121.97	1.8788	2.340
33.50	1530.0	1173.4	121.96	1.8657	2.341
34.00	1530.4	1173.8	121.94	1.8529	2.342
34.50	1530.8	1174.2	121.93	1.8406	2.343
35.00	1531.2	1174.6	121.92	1.8286	2.344
35.50	1531.5	1174.9	121.91	1.8169	2.345
36.00	1531.8	1175.2	121.89	1.8056	2.347
36.50	1532.2	1175.6	121.88	1.7945	2.348
37.00	1532.5	1175.9	121.86	1.7838	2.349
37.50	1532.9	1176.3	121.84	1.7733	2.350
38.00	1533.2	1176.6	121.84	1.7632	2.351
38.50	1533.6	1177.0	121.82	1.7532	2.352
39.00	1533.9	1177.3	121.79	1.7436	2.353
39.50	1534.2	1177.6	121.78	1.7342	2.354
40.00	1534.5	1177.9	121.77	1.7250	2.355
40.50	1534.8	1178.2	121.76	1.7160	2.356
41.00	1535.1	1178.5	121.75	1.7073	2.356
41.50	1535.4	1178.7	121.74	1.6988	2.357
42.00	1535.6	1179.0	121.72	1.6905	2.358
42.50	1535.9	1179.2	121.71	1.6824	2.359
43.00	1536.1	1179.5	121.70	1.6744	2.360
43.50	1536.4	1179.8	121.69	1.6667	2.360
44.00	1536.6	1180.0	121.68	1.6591	2.361
44.50	1536.8	1180.2	121.67	1.6517	2.362
45.00	1537.0	1180.4	121.66	1.6444	2.362
***** End Shut-in 1					
***** Start Flow 2	0.00	370.6	0.0	121.63	
	0.50	375.4	4.8	121.59	

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1.00	379.4	8.8	121.54		
1.50	383.4	12.7	121.50		
2.00	387.6	17.0	121.47		
2.50	392.0	21.4	121.47		
3.00	396.7	26.1	121.48		
3.50	401.6	30.9	121.51		
4.00	406.1	35.4	121.56		
4.50	410.5	39.9	121.62		
5.00	415.2	44.6	121.69		
5.50	419.7	49.1	121.77		
6.00	424.1	53.4	121.86		
6.50	428.7	58.0	121.94		
7.00	432.8	62.2	122.02		
7.50	436.9	66.3	122.11		
8.00	440.9	70.3	122.18		
8.50	445.4	74.8	122.25		
9.00	449.4	78.7	122.32		
9.50	453.3	82.7	122.38		
10.00	457.4	86.8	122.42		
10.50	461.7	91.1	122.47		
11.00	465.7	95.0	122.51		
11.50	469.6	99.0	122.55		
12.00	473.8	103.2	122.58		
12.50	477.6	107.0	122.61		
13.00	481.4	110.8	122.64		
13.50	485.2	114.6	122.65		
14.00	489.3	118.7	122.67		
14.50	493.1	122.5	122.68		
15.00	496.9	126.3	122.70		
15.50	500.7	130.1	122.72		
16.00	504.8	134.2	122.74		
16.50	508.4	137.8	122.75		
17.00	512.0	141.4	122.77		
17.50	515.6	145.0	122.78		
18.00	519.8	149.2	122.80		
18.50	523.4	152.8	122.81		
19.00	527.1	156.4	122.82		
19.50	530.6	160.0	122.83		
20.00	534.4	163.7	122.85		
20.50	537.7	167.0	122.86		
21.00	541.2	170.6	122.86		
21.50	544.6	174.0	122.87		
22.00	548.7	178.1	122.88		
22.50	552.3	181.7	122.89		
23.00	555.8	185.2	122.92		
23.50	559.3	188.7	122.91		
24.00	563.3	192.7	122.92		
24.50	566.7	196.1	122.92		
25.00	570.1	199.5	122.92		
25.50	573.6	203.0	122.92		
26.00	577.0	206.4	122.92		

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Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
26.50	580.9	210.3	122.93		
27.00	584.4	213.8	122.93		
27.50	587.9	217.2	122.93		
28.00	591.3	220.7	122.94		
28.50	595.1	224.5	122.94		
29.00	598.3	227.7	122.96		
29.50	601.7	231.0	122.96		
30.00	604.9	234.3	122.98		
30.50	608.2	237.5	122.97		
31.00	611.7	241.1	122.98		
31.50	614.9	244.2	122.98		
32.00	618.1	247.4	122.99		
32.50	621.1	250.5	122.98		
33.00	624.5	253.9	122.99		
33.50	627.9	257.2	122.99		
34.00	631.1	260.5	122.99		
34.50	634.2	263.6	122.99		
35.00	637.4	266.8	123.00		
35.50	640.9	270.3	123.00		
36.00	644.1	273.5	123.00		
36.50	647.3	276.6	123.01		
37.00	650.4	279.8	122.99		
37.50	653.5	282.9	122.99		
38.00	656.9	286.3	122.99		
38.50	659.9	289.3	122.99		
39.00	662.9	292.3	123.00		
39.50	665.9	295.3	123.00		
40.00	668.9	298.2	123.00		
40.50	672.2	301.6	122.99		
41.00	675.1	304.5	123.00		
41.50	678.1	307.4	123.00		
42.00	681.0	310.3	123.00		
42.50	683.9	313.3	123.00		
43.00	687.3	316.7	123.00		
43.50	690.2	319.6	123.00		
44.00	693.2	322.6	123.00		

***** End Flow 2

***** Start Shutin 2

0.00	693.2	0.0	123.00	0.0000	0.481
0.50	1301.5	608.3	123.00	147.0000	1.694
1.00	1420.8	727.6	123.03	74.0000	2.019
1.50	1442.2	749.0	123.06	49.6667	2.080
2.00	1452.8	759.6	123.09	37.5000	2.111
2.50	1459.9	766.7	123.11	30.2000	2.131
3.00	1465.4	772.2	123.14	25.3333	2.147
3.50	1469.9	776.7	123.17	21.8571	2.160
4.00	1473.7	780.5	123.19	19.2500	2.172
4.50	1477.0	783.8	123.22	17.2222	2.182
5.00	1480.0	786.8	123.24	15.6000	2.190
5.50	1482.6	789.5	123.27	14.2727	2.198
6.00	1485.0	791.9	123.28	13.1667	2.205
6.50	1487.3	794.1	123.29	12.2308	2.212
7.00	1489.4	796.3	123.30	11.4286	2.218

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#11857 DST#1 Bouziden #2 CMX, Inc.

DATE: 09/29/98

TIME: 06:56:33

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
7.50	1491.4	798.2	123.32	10.7333	2.224
8.00	1493.2	800.0	123.33	10.1250	2.230
8.50	1494.9	801.7	123.35	9.5882	2.235
9.00	1496.5	803.3	123.35	9.1111	2.240
9.50	1498.0	804.8	123.37	8.6842	2.244
10.00	1499.3	806.1	123.37	8.3000	2.248
10.50	1500.5	807.3	123.38	7.9524	2.252
11.00	1501.7	808.5	123.38	7.6364	2.255
11.50	1502.7	809.5	123.39	7.3478	2.258
12.00	1503.8	810.6	123.39	7.0833	2.261
12.50	1504.8	811.6	123.39	6.8400	2.264
13.00	1505.7	812.5	123.38	6.6154	2.267
13.50	1506.6	813.4	123.37	6.4074	2.270
14.00	1507.4	814.2	123.37	6.2143	2.272
14.50	1508.2	815.0	123.36	6.0345	2.275
15.00	1509.1	815.9	123.35	5.8667	2.277
15.50	1509.8	816.7	123.35	5.7097	2.280
16.00	1510.6	817.4	123.34	5.5625	2.282
16.50	1511.3	818.2	123.32	5.4242	2.284
17.00	1512.1	818.9	123.31	5.2941	2.286
17.50	1512.7	819.6	123.29	5.1714	2.288
18.00	1513.4	820.2	123.28	5.0556	2.290
18.50	1514.1	820.9	123.27	4.9459	2.292
19.00	1514.7	821.5	123.26	4.8421	2.294
19.50	1515.3	822.1	123.25	4.7436	2.296
20.00	1515.9	822.7	123.23	4.6500	2.298
20.50	1516.5	823.3	123.22	4.5610	2.300
21.00	1517.1	823.9	123.20	4.4762	2.301
21.50	1517.6	824.4	123.19	4.3953	2.303
22.00	1518.1	824.9	123.18	4.3182	2.305
22.50	1518.6	825.4	123.17	4.2444	2.306
23.00	1519.2	826.0	123.15	4.1739	2.308
23.50	1519.7	826.5	123.13	4.1064	2.309
24.00	1520.2	827.0	123.12	4.0417	2.311
24.50	1520.7	827.5	123.10	3.9796	2.312
25.00	1521.1	827.9	123.10	3.9200	2.314
25.50	1521.6	828.4	123.08	3.8627	2.315
26.00	1522.0	828.8	123.07	3.8077	2.317
26.50	1522.5	829.3	123.06	3.7547	2.318
27.00	1522.9	829.7	123.05	3.7037	2.319
27.50	1523.3	830.1	123.04	3.6545	2.320
28.00	1523.6	830.4	123.03	3.6071	2.321
28.50	1524.0	830.8	123.01	3.5614	2.323
29.00	1524.4	831.2	123.00	3.5172	2.324
29.50	1524.8	831.6	122.99	3.4746	2.325
30.00	1525.2	832.0	122.98	3.4333	2.326
30.50	1525.5	832.3	122.96	3.3934	2.327
31.00	1525.9	832.7	122.95	3.3548	2.328
31.50	1526.2	833.0	122.94	3.3175	2.329
32.00	1526.5	833.4	122.92	3.2812	2.330
32.50	1526.8	833.6	122.91	3.2462	2.331

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: Tk#11857 DST#1 Bouziden #2 CMX, Inc.
 DATE: 09/29/98 TIME: 06:56:33

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
33.00	1527.2	834.0	122.90	3.2121	2.332
33.50	1527.5	834.4	122.89	3.1791	2.333
34.00	1527.8	834.7	122.88	3.1471	2.334
34.50	1528.2	835.0	122.87	3.1159	2.335
35.00	1528.4	835.2	122.86	3.0857	2.336
35.50	1528.7	835.6	122.85	3.0563	2.337
36.00	1529.0	835.8	122.84	3.0278	2.338
36.50	1529.3	836.1	122.83	3.0000	2.339
37.00	1529.6	836.4	122.82	2.9730	2.340
37.50	1529.9	836.7	122.81	2.9467	2.341
38.00	1530.1	837.0	122.80	2.9211	2.341
38.50	1530.4	837.2	122.80	2.8961	2.342
39.00	1530.6	837.5	122.79	2.8718	2.343
39.50	1530.9	837.7	122.77	2.8481	2.344
40.00	1531.2	838.0	122.75	2.8250	2.344
40.50	1531.4	838.2	122.73	2.8025	2.345
41.00	1531.6	838.4	122.74	2.7805	2.346
41.50	1531.9	838.7	122.73	2.7590	2.347
42.00	1532.1	838.9	122.71	2.7381	2.347
42.50	1532.3	839.2	122.71	2.7176	2.348
43.00	1532.6	839.4	122.71	2.6977	2.349
43.50	1532.8	839.6	122.70	2.6782	2.350
44.00	1533.0	839.8	122.69	2.6591	2.350
44.50	1533.1	840.0	122.68	2.6404	2.351
45.00	1533.3	840.2	122.67	2.6222	2.351
45.50	1533.5	840.4	122.67	2.6044	2.352
46.00	1533.8	840.6	122.66	2.5870	2.352
46.50	1533.9	840.7	122.65	2.5699	2.353
47.00	1534.1	840.9	122.64	2.5532	2.353
47.50	1534.3	841.1	122.62	2.5368	2.354
48.00	1534.5	841.3	122.61	2.5208	2.355
48.50	1534.7	841.5	122.61	2.5052	2.355
49.00	1534.9	841.7	122.60	2.4898	2.356
49.50	1535.1	841.9	122.59	2.4747	2.356
50.00	1535.3	842.1	122.58	2.4600	2.357
50.50	1535.4	842.2	122.57	2.4455	2.357
51.00	1535.6	842.4	122.56	2.4314	2.358
51.50	1535.7	842.5	122.55	2.4175	2.358
52.00	1535.9	842.7	122.55	2.4038	2.359
52.50	1536.0	842.8	122.53	2.3905	2.359
53.00	1536.2	843.0	122.53	2.3774	2.360
53.50	1536.4	843.2	122.52	2.3645	2.360
54.00	1536.6	843.4	122.51	2.3519	2.361
54.50	1536.7	843.5	122.50	2.3394	2.361
55.00	1536.9	843.7	122.49	2.3273	2.362
55.50	1537.0	843.8	122.49	2.3153	2.362
56.00	1537.2	844.0	122.48	2.3036	2.363
56.50	1537.3	844.1	122.47	2.2920	2.363
57.00	1537.5	844.3	122.46	2.2807	2.364
57.50	1537.6	844.4	122.46	2.2696	2.364
58.00	1537.7	844.5	122.44	2.2586	2.365

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#11857 DST#1 Bouziden #2 CMX, Inc.

DATE: 09/29/98

TIME: 06:56:33

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	58.50	1537.8	844.6	122.44	2.2479	2.365
	59.00	1538.0	844.8	122.43	2.2373	2.365
	59.50	1538.1	844.9	122.42	2.2269	2.366
	60.00	1538.3	845.1	122.42	2.2167	2.366
	60.50	1538.4	845.2	122.41	2.2066	2.367
***** End Shut-in 2	61.00	1538.6	845.4	122.40	2.1967	2.367
***** Final Hydro.	309.50	1944.9	0.0	121.83		

TRILOBITE TESTING L.L.C.

OPERATOR : CMX, Inc. DATE 09/30/199
 WELL NAME: Bouziden KB 1685.00 ft TICKET NO: 11858 DST #2
 LOCATION : 13-34s-14w Barber co. KS GR 1676.00 ft FORMATION: Swope
 INTERVAL : 4530.00 To 4545.00 ft TD 4545.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10332	10332	2357		i	PF Fr. 2033 to 2103 hr
SI 45 Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 2103 to 2148 hr
SF 45 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 2148 to 2333 hr
FS 60 Depth(ft)	4542.0	4542.0	4536.0	0.0	0.0	FS Fr. 2233 to 2333 hr

	Field	1	2	3	4	
A. Init Hydro	2188.0	2224.0	2201.0	0.0	0.0	T STARTED 1852 hr
B. First Flow	81.0	60.0	34.0	0.0	0.0	T ON BOTM 2030 hr
B1. Final Flow	81.0	60.0	40.0	0.0	0.0	T OPEN 2033 hr
C. In Shut-in	1569.0	1612.0	1506.0	0.0	0.0	T PULLED 2333 hr
D. Init Flow	91.0	74.0	52.0	0.0	0.0	T OUT 0210 hr
E. Final Flow	111.0	97.0	83.0	0.0	0.0	
F. Fl Shut-in	1580.0	1561.0	1566.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2268.0	2261.0	2185.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0				Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 54000.00 lbs
						Initial Str Wt 50000.00 lbs
						Unseated Str Wt 52000.00 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 0.00 ft
						D.P. Length 4507.00 ft

RECOVERY

Tot Fluid 170.00 ft of 0.00 ft in DC and 170.00 ft in DP
 50.00 ft of Gas cut muddy water 24%gas 22%water 54%mud
 120.00 ft of Salt water
 4337.00 ft of Gas in pipe
 0.00 ft of
 SALINITY 85000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----
 Mud Type Chemical
 Weight 9.00 lb/cf
 Vis. 58.00 S/L
 W.L. 12.80 in3
 F.C. 0.32 in
 Mud Drop N
 Amt. of fill 0.00 ft
 Btm. H. Temp. 123.00 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. Doug McGinness
 Contr. Duke
 Rig # 4
 Unit # no
 Pump T. none

BLOW DESCRIPTION

Initial Flow:
 Strong blow bottom of bucket in
 10 secs. Gas to surface in 9 mins.
 Initial Shut-in:
 Bled down for 5 ins. built back to
 1/2" in water
 Final Flow:
 Strong blow bottom of bucket in
 10 secs. gauge gas
 Final Shut-in:
 Bled down for 10 mins. built back
 to 1" in water

SAMPLES:
 SENT TO:

Test Successful: Y

GAS RECOVERY

COMPANY: CMX, Inc.

DATE: 09/30/199

WELL NAME: Bouziden

KB Elev: 1685.00 ft TICKET #11858 DST #2

WELL LOCATION: 13-34s-14w Barber co. KS

GR Elev: 1676.00 ft FORMATION: Swope

INTERVAL Fr.: 4530.00 To 4545.00 T.D.: 4545.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Adj.choke

**** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.25	0	44	11100.0
15	0.25	0	44	11100.0
20	0.25	0	35	9950.0
25	0.25	0	24	8220.0
30	0.25	0	20	7510.0

**** GAS RATES FOR FLOW #2

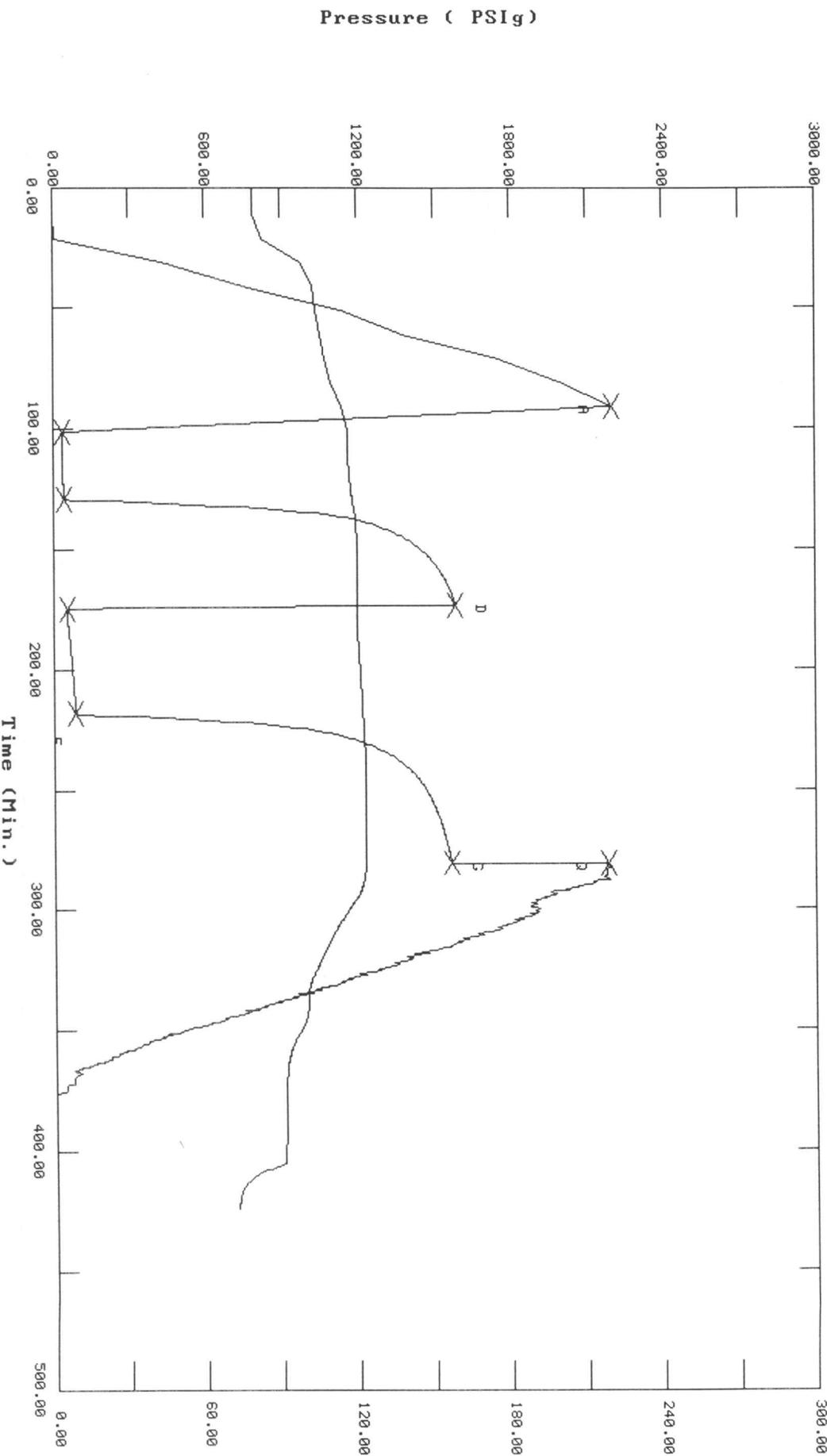
Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.25	3	0	15700.0
10	0.25	4	0	19500.0
15	0.25	5	0	20700.0
20	0.25	5	0	20700.0
25	0.25	5	0	20700.0
30	0.25	5	0	20700.0
35	0.25	5	0	20700.0
40	0.25	5	0	20700.0
45	0.25	5	0	20700.0

TEST HISTORY

TK#11858 DST#2 Bouziden #2 CMX, Inc.

Flag Points

t (Min.)	P (PSig)
R: 0.00	2201.44
B: 0.00	34.45
C: 28.00	39.86
D: 44.50	1585.54
E: 0.00	52.80
F: 43.00	83.06
G: 62.50	1566.15
Q: 0.00	2184.98



Temperature (DEC F)

CHART PAGE

10332
DST#
2

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

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#11858 DST#2 Bouziden #2 CMX, Inc.

DATE: 09/30/98 TIME: 18:53:50

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	91.00	2201.4	0.0	113.72		
***** Start Flow 1	0.00	34.5	0.0	116.22		
	5.50	33.6	-0.9	116.48		
	6.00	33.5	-0.9	116.49		
	6.50	33.6	-0.8	116.49		
	7.00	33.7	-0.7	116.51		
	7.50	33.8	-0.6	116.50		
	8.00	33.9	-0.5	116.51		
	8.50	34.0	-0.5	116.52		
	9.00	34.1	-0.4	116.51		
	9.50	34.2	-0.3	116.51		
	10.00	34.2	-0.3	116.51		
	10.50	34.3	-0.2	116.52		
	11.00	34.3	-0.2	116.52		
	11.50	34.4	-0.1	116.53		
	12.00	34.5	0.0	116.54		
	12.50	34.5	0.0	116.56		
	13.00	34.6	0.1	116.57		
	13.50	34.6	0.2	116.59		
	14.00	34.7	0.3	116.61		
	14.50	34.8	0.3	116.64		
	15.00	34.9	0.4	116.65		
	15.50	34.9	0.5	116.69		
	16.00	35.0	0.6	116.73		
	16.50	35.1	0.7	116.76		
	17.00	35.2	0.7	116.80		
	17.50	35.3	0.9	116.84		
	18.00	35.5	1.0	116.88		
	18.50	35.5	1.1	116.93		
	19.00	35.7	1.2	116.98		
	19.50	35.8	1.4	117.01		
	20.00	36.0	1.6	117.07		
	20.50	36.2	1.7	117.13		
	21.00	36.3	1.9	117.17		
	21.50	36.6	2.1	117.22		
	22.00	36.8	2.3	117.28		
	22.50	37.0	2.5	117.33		
	23.00	37.2	2.7	117.38		
	23.50	37.4	2.9	117.44		
	24.00	37.6	3.1	117.50		
	24.50	37.9	3.5	117.54		
	25.00	38.2	3.7	117.61		
	25.50	38.4	3.9	117.66		
	26.00	38.7	4.3	117.72		
	26.50	39.0	4.5	117.77		
	27.00	39.2	4.8	117.84		
	27.50	39.6	5.1	117.90		
***** End Flow 1	28.00	39.9	5.4	117.96		
***** Start Shutin 1	0.00	39.9	0.0	117.96	0.0000	0.002
	0.50	89.3	49.5	118.02	57.0000	0.008
	1.00	215.7	175.8	118.09	29.0000	0.047

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#11858 DST#2 Bouziden #2 CMX, Inc.

DATE: 09/30/98

TIME: 18:53:50

Time	Pressure PSI _g	delta P PSI _g	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
1.50	337.3	297.5	118.17	19.6667	0.114
2.00	450.2	410.4	118.26	15.0000	0.203
2.50	556.6	516.7	118.35	12.2000	0.310
3.00	652.9	613.0	118.44	10.3333	0.426
3.50	739.0	699.1	118.54	9.0000	0.546
4.00	815.4	775.6	118.62	8.0000	0.665
4.50	882.4	842.6	118.71	7.2222	0.779
5.00	940.6	900.7	118.80	6.6000	0.885
5.50	991.0	951.1	118.89	6.0909	0.982
6.00	1034.5	994.6	118.96	5.6667	1.070
6.50	1072.3	1032.5	119.03	5.3077	1.150
7.00	1105.2	1065.3	119.09	5.0000	1.221
7.50	1134.0	1094.1	119.15	4.7333	1.286
8.00	1159.4	1119.5	119.21	4.5000	1.344
8.50	1182.1	1142.3	119.26	4.2941	1.397
9.00	1202.7	1162.8	119.29	4.1111	1.446
9.50	1221.7	1181.8	119.34	3.9474	1.493
10.00	1239.0	1199.2	119.39	3.8000	1.535
10.50	1255.1	1215.2	119.41	3.6667	1.575
11.00	1269.7	1229.9	119.43	3.5455	1.612
11.50	1283.2	1243.4	119.47	3.4348	1.647
12.00	1296.2	1256.3	119.49	3.3333	1.680
12.50	1308.6	1268.7	119.51	3.2400	1.712
13.00	1320.4	1280.5	119.55	3.1538	1.743
13.50	1331.6	1291.8	119.58	3.0741	1.773
14.00	1342.2	1302.4	119.60	3.0000	1.802
14.50	1352.3	1312.5	119.63	2.9310	1.829
15.00	1361.8	1322.0	119.65	2.8667	1.855
15.50	1370.9	1331.0	119.68	2.8065	1.879
16.00	1379.5	1339.6	119.70	2.7500	1.903
16.50	1387.6	1347.8	119.73	2.6970	1.926
17.00	1395.4	1355.6	119.75	2.6471	1.947
17.50	1402.8	1363.0	119.77	2.6000	1.968
18.00	1409.9	1370.0	119.79	2.5556	1.988
18.50	1416.7	1376.8	119.80	2.5135	2.007
19.00	1423.1	1383.2	119.82	2.4737	2.025
19.50	1429.4	1389.5	119.96	2.4359	2.043
20.00	1435.4	1395.5	119.83	2.4000	2.060
20.50	1441.2	1401.4	119.85	2.3659	2.077
21.00	1446.9	1407.1	119.86	2.3333	2.094
21.50	1452.4	1412.6	119.87	2.3023	2.110
22.00	1457.8	1417.9	119.88	2.2727	2.125
22.50	1462.9	1423.1	119.88	2.2444	2.140
23.00	1467.9	1428.1	119.89	2.2174	2.155
23.50	1472.7	1432.8	119.89	2.1915	2.169
24.00	1477.4	1437.6	119.90	2.1667	2.183
24.50	1481.9	1442.1	119.90	2.1429	2.196
25.00	1486.3	1446.4	119.92	2.1200	2.209
25.50	1490.5	1450.7	119.92	2.0980	2.222
26.00	1494.6	1454.7	119.92	2.0769	2.234
26.50	1498.6	1458.7	119.92	2.0566	2.246

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#11858 DST#2 Bouziden #2 CMX, Inc.

DATE: 09/30/98

TIME: 18:53:50

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	27.00	1502.4	1462.5	119.93	2.0370	2.257
	27.50	1506.2	1466.3	119.94	2.0182	2.269
	28.00	1509.8	1469.9	119.94	2.0000	2.279
	28.50	1513.2	1473.4	119.94	1.9825	2.290
	29.00	1516.6	1476.7	119.95	1.9655	2.300
	29.50	1519.8	1480.0	119.96	1.9492	2.310
	30.00	1523.0	1483.2	119.95	1.9333	2.320
	30.50	1526.1	1486.2	119.96	1.9180	2.329
	31.00	1529.1	1489.2	119.96	1.9032	2.338
	31.50	1531.9	1492.1	119.98	1.8889	2.347
	32.00	1534.8	1494.9	119.96	1.8750	2.356
	32.50	1537.5	1497.6	119.97	1.8615	2.364
	33.00	1540.1	1500.2	119.96	1.8485	2.372
	33.50	1542.6	1502.8	119.97	1.8358	2.380
	34.00	1545.1	1505.3	119.97	1.8235	2.387
	34.50	1547.6	1507.7	119.97	1.8116	2.395
	35.00	1550.0	1510.1	119.97	1.8000	2.402
	35.50	1552.2	1512.3	119.97	1.7887	2.409
	36.00	1554.4	1514.5	119.98	1.7778	2.416
	36.50	1556.6	1516.7	119.98	1.7671	2.423
	37.00	1558.7	1518.8	119.97	1.7568	2.430
	37.50	1560.8	1520.9	119.98	1.7467	2.436
	38.00	1562.8	1523.0	119.98	1.7368	2.442
	38.50	1564.9	1525.0	119.98	1.7273	2.449
	39.00	1566.9	1527.0	119.98	1.7179	2.455
	39.50	1568.8	1528.9	119.98	1.7089	2.461
	40.00	1570.6	1530.8	119.98	1.7000	2.467
	40.50	1572.5	1532.6	119.99	1.6914	2.473
	41.00	1574.3	1534.4	119.98	1.6829	2.478
	41.50	1576.0	1536.2	119.99	1.6747	2.484
	42.00	1577.7	1537.9	119.99	1.6667	2.489
	42.50	1579.4	1539.6	120.00	1.6588	2.495
	43.00	1581.0	1541.2	119.99	1.6512	2.500
	43.50	1582.6	1542.8	120.00	1.6437	2.505
	44.00	1584.2	1544.3	120.00	1.6364	2.510
***** End Shut-in 1	44.50	1585.5	1545.7	120.00	1.6292	2.514
***** Start Flow 2	0.00	52.8	0.0	119.90		
	0.50	51.9	-0.9	119.86		
	1.00	52.1	-0.7	119.82		
	1.50	52.4	-0.4	119.78		
	2.00	52.7	-0.1	119.76		
	2.50	52.9	0.1	119.74		
	3.00	53.0	0.2	119.72		
	3.50	53.2	0.4	119.71		
	4.00	53.4	0.6	119.71		
	4.50	53.7	0.9	119.72		
	5.00	53.9	1.1	119.72		
	5.50	54.1	1.3	119.73		
	6.00	54.4	1.6	119.75		
	6.50	54.6	1.8	119.78		
	7.00	55.1	2.3	119.80		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#11858 DST#2 Bouziden #2 CMX, Inc.

DATE: 09/30/98

TIME: 18:53:50

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
7.50	55.5	2.7	119.82		
8.00	56.2	3.4	119.84		
8.50	56.6	3.8	119.87		
9.00	57.2	4.4	119.90		
9.50	57.6	4.8	119.93		
10.00	58.2	5.4	119.97		
10.50	58.7	5.9	120.00		
11.00	59.2	6.4	120.03		
11.50	59.7	6.9	120.07		
12.00	60.2	7.4	120.11		
12.50	60.7	8.0	120.15		
13.00	61.1	8.3	120.19		
13.50	61.5	8.8	120.22		
14.00	62.0	9.2	120.26		
14.50	62.6	9.8	120.29		
15.00	63.2	10.4	120.33		
15.50	63.4	10.6	120.36		
16.00	63.9	11.1	120.40		
16.50	64.3	11.5	120.43		
17.00	64.6	11.8	120.47		
17.50	65.1	12.3	120.51		
18.00	65.5	12.7	120.64		
18.50	66.0	13.2	120.60		
19.00	66.4	13.6	120.56		
19.50	66.8	14.0	120.53		
20.00	67.2	14.4	120.50		
20.50	67.8	15.0	120.68		
21.00	68.1	15.3	120.71		
21.50	68.5	15.7	120.75		
22.00	68.9	16.1	120.78		
22.50	69.2	16.4	120.81		
23.00	69.6	16.8	120.84		
23.50	70.0	17.2	120.87		
24.00	70.4	17.6	120.90		
24.50	70.8	18.0	120.93		
25.00	71.0	18.2	120.96		
25.50	71.5	18.7	120.98		
26.00	71.9	19.1	121.01		
26.50	72.2	19.4	121.04		
27.00	72.6	19.8	121.08		
27.50	72.9	20.1	121.11		
28.00	73.3	20.5	121.13		
28.50	73.7	20.9	121.17		
29.00	74.0	21.2	121.19		
29.50	74.3	21.5	121.23		
30.00	74.6	21.8	121.26		
30.50	75.0	22.2	121.28		
31.00	75.2	22.5	121.31		
31.50	75.5	22.8	121.33		
32.00	75.9	23.1	121.35		
32.50	76.3	23.5	121.38		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#11858 DST#2 Bouziden #2 CMX, Inc.

DATE: 09/30/98

TIME: 18:53:50

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	33.00	76.8	24.0	121.41		
	33.50	77.0	24.2	121.43		
	34.00	77.3	24.5	121.46		
	34.50	77.5	24.8	121.48		
	35.00	78.2	25.4	121.50		
	35.50	78.3	25.5	121.53		
	36.00	78.7	25.9	121.56		
	36.50	79.0	26.2	121.58		
	37.00	79.2	26.4	121.61		
	37.50	79.5	26.7	121.63		
	38.00	79.8	27.0	121.66		
	38.50	80.2	27.4	121.68		
	39.00	80.6	27.8	121.70		
	39.50	80.8	28.0	121.73		
	40.00	81.1	28.3	121.76		
	40.50	81.6	28.8	121.78		
	41.00	81.7	28.9	121.80		
	41.50	82.1	29.3	121.82		
	42.00	82.4	29.6	121.85		
	42.50	82.7	29.9	121.87		
***** End Flow 2	43.00	83.1	30.3	121.89		
***** Start Shutin 2	0.00	83.1	0.0	121.89	0.0000	0.007
	0.50	99.6	16.5	121.91	143.0000	0.01
	1.00	218.5	135.5	121.94	72.0000	0.048
	1.50	329.6	246.6	121.96	48.3333	0.109
	2.00	433.4	350.3	122.00	36.5000	0.188
	2.50	528.4	445.3	122.04	29.4000	0.279
	3.00	614.7	531.6	122.08	24.6667	0.378
	3.50	691.9	608.8	122.13	21.2857	0.479
	4.00	760.0	676.9	122.18	18.7500	0.578
	4.50	819.4	736.3	122.22	16.7778	0.671
	5.00	870.5	787.5	122.26	15.2000	0.758
	5.50	914.6	831.6	122.29	13.9091	0.837
	6.00	953.1	870.1	122.34	12.8333	0.908
	6.50	987.1	904.0	122.37	11.9231	0.974
	7.00	1017.5	934.5	122.41	11.1429	1.035
	7.50	1045.1	962.1	122.44	10.4667	1.092
	8.00	1070.2	987.2	122.47	9.8750	1.145
	8.50	1092.9	1009.9	122.49	9.3529	1.194
	9.00	1113.6	1030.5	122.51	8.8889	1.240
	9.50	1132.5	1049.4	122.53	8.4737	1.283
	10.00	1150.2	1067.1	122.54	8.1000	1.323
	10.50	1167.1	1084.0	122.56	7.7619	1.362
	11.00	1183.2	1100.1	122.58	7.4545	1.400
	11.50	1198.4	1115.3	122.59	7.1739	1.436
	12.00	1212.8	1129.7	122.60	6.9167	1.471
	12.50	1226.3	1143.2	122.60	6.6800	1.504
	13.00	1239.0	1156.0	122.60	6.4615	1.535
	13.50	1251.1	1168.0	122.63	6.2593	1.565
	14.00	1262.5	1179.4	122.62	6.0714	1.594
	14.50	1273.2	1190.2	122.64	5.8966	1.621

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#11858 DST#2 Bouziden #2 CMX, Inc.

DATE: 09/30/98

TIME: 18:53:50

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
15.00	1283.4	1200.3	122.64	5.7333	1.647
15.50	1293.0	1209.9	122.65	5.5806	1.672
16.00	1302.1	1219.0	122.66	5.4375	1.695
16.50	1310.8	1227.7	122.66	5.3030	1.718
17.00	1319.0	1235.9	122.67	5.1765	1.740
17.50	1326.9	1243.9	122.68	5.0571	1.761
18.00	1334.6	1251.5	122.68	4.9444	1.781
18.50	1342.0	1259.0	122.69	4.8378	1.801
19.00	1349.2	1266.1	122.69	4.7368	1.820
19.50	1356.0	1273.0	122.70	4.6410	1.839
20.00	1362.7	1279.6	122.71	4.5500	1.857
20.50	1369.1	1286.0	122.72	4.4634	1.874
21.00	1375.3	1292.2	122.74	4.3810	1.891
21.50	1381.2	1298.1	122.75	4.3023	1.908
22.00	1386.9	1303.8	122.83	4.2273	1.923
22.50	1392.3	1309.2	122.77	4.1556	1.938
23.00	1397.6	1314.5	122.79	4.0870	1.953
23.50	1402.6	1319.6	122.80	4.0213	1.967
24.00	1407.6	1324.5	122.82	3.9583	1.981
24.50	1412.3	1329.2	122.83	3.8980	1.994
25.00	1416.8	1333.8	122.84	3.8400	2.007
25.50	1421.2	1338.1	122.85	3.7843	2.020
26.00	1425.4	1342.3	122.86	3.7308	2.032
26.50	1429.5	1346.4	122.87	3.6792	2.043
27.00	1433.4	1350.3	122.87	3.6296	2.055
27.50	1437.3	1354.2	122.88	3.5818	2.066
28.00	1441.0	1357.9	122.88	3.5357	2.076
28.50	1444.5	1361.5	122.89	3.4912	2.087
29.00	1448.0	1364.9	122.90	3.4483	2.097
29.50	1451.3	1368.2	122.89	3.4068	2.106
30.00	1454.6	1371.5	122.90	3.3667	2.116
30.50	1457.7	1374.6	122.90	3.3279	2.125
31.00	1460.8	1377.7	122.90	3.2903	2.134
31.50	1463.8	1380.7	122.89	3.2540	2.143
32.00	1466.6	1383.6	122.90	3.2188	2.151
32.50	1469.4	1386.4	122.90	3.1846	2.159
33.00	1472.2	1389.1	122.89	3.1515	2.167
33.50	1474.8	1391.8	122.89	3.1194	2.175
34.00	1477.5	1394.4	122.89	3.0882	2.183
34.50	1480.0	1396.9	122.89	3.0580	2.190
35.00	1482.5	1399.4	122.88	3.0286	2.198
35.50	1484.9	1401.8	122.89	3.0000	2.205
36.00	1487.2	1404.2	122.89	2.9722	2.212
36.50	1489.6	1406.6	122.88	2.9452	2.219
37.00	1491.9	1408.8	122.88	2.9189	2.226
37.50	1494.2	1411.1	122.89	2.8933	2.233
38.00	1496.4	1413.3	122.89	2.8684	2.239
38.50	1498.5	1415.4	122.89	2.8442	2.246
39.00	1500.6	1417.5	122.89	2.8205	2.252
39.50	1502.6	1419.6	122.89	2.7975	2.258
40.00	1504.6	1421.5	122.89	2.7750	2.264

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

EST: Tk#11858 DST#2 Bouziden #2 CMX, Inc.

DATE: 09/30/98 TIME: 18:53:50

	Time	Pressure PSI _g	delta P PSI _g	P	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	40.50	1506.5	1423.4		122.90	2.7531	2.270
	41.00	1508.4	1425.4		122.89	2.7317	2.275
	41.50	1510.3	1427.2		122.90	2.7108	2.281
	42.00	1512.0	1429.0		122.91	2.6905	2.286
	42.50	1513.9	1430.8		122.91	2.6706	2.292
	43.00	1515.6	1432.5		122.90	2.6512	2.297
	43.50	1517.3	1434.2		122.90	2.6322	2.302
	44.00	1518.9	1435.9		122.91	2.6136	2.307
	44.50	1520.7	1437.6		122.91	2.5955	2.312
	45.00	1522.3	1439.2		122.91	2.5778	2.317
	45.50	1523.9	1440.9		122.92	2.5604	2.322
	46.00	1525.5	1442.5		122.92	2.5435	2.327
	46.50	1527.1	1444.0		122.92	2.5269	2.332
	47.00	1528.5	1445.5		122.93	2.5106	2.336
	47.50	1530.0	1447.0		122.93	2.4947	2.341
	48.00	1531.5	1448.4		122.92	2.4792	2.345
	48.50	1532.9	1449.9		122.93	2.4639	2.350
	49.00	1534.4	1451.3		122.93	2.4490	2.354
	49.50	1535.8	1452.7		122.93	2.4343	2.359
	50.00	1537.1	1454.0		122.93	2.4200	2.363
	50.50	1538.5	1455.5		122.94	2.4059	2.367
	51.00	1539.9	1456.8		122.94	2.3922	2.371
	51.50	1541.2	1458.2		122.94	2.3786	2.375
	52.00	1542.5	1459.5		122.94	2.3654	2.379
	52.50	1543.8	1460.7		122.95	2.3524	2.383
	53.00	1545.0	1462.0		122.95	2.3396	2.387
	53.50	1546.3	1463.2		122.95	2.3271	2.391
	54.00	1547.5	1464.4		122.96	2.3148	2.395
	54.50	1548.7	1465.7		122.97	2.3028	2.399
	55.00	1549.9	1466.9		122.96	2.2909	2.402
	55.50	1551.2	1468.1		122.97	2.2793	2.406
	56.00	1552.3	1469.2		122.98	2.2679	2.410
	56.50	1553.5	1470.4		122.98	2.2566	2.413
	57.00	1554.6	1471.5		122.99	2.2456	2.417
	57.50	1555.7	1472.6		123.00	2.2348	2.420
	58.00	1556.8	1473.7		123.00	2.2241	2.424
	58.50	1557.9	1474.8		123.02	2.2137	2.427
	59.00	1558.9	1475.9		123.00	2.2034	2.430
	59.50	1560.0	1477.0		123.00	2.1933	2.434
	60.00	1561.1	1478.1		123.01	2.1833	2.437
	60.50	1562.1	1479.1		123.02	2.1736	2.440
	61.00	1563.2	1480.1		123.02	2.1639	2.444
	61.50	1564.2	1481.1		123.03	2.1545	2.447
	62.00	1565.2	1482.1		123.03	2.1452	2.450
***** End Shut-in 2	62.50	1566.2	1483.1		123.04	2.1360	2.453
***** Final Hydro.	281.00	2185.0	0.0		123.05		

TRILOBITE TESTING L.L.C.

OPERATOR : CMX, Inc. DATE 10/03/199
 WELL NAME: Bouziden #2 KB 1685.00 ft TICKET NO: 11859 DST #3
 LOCATION : 13-34s-14w Barber co. KS GR 1676.00 ft FORMATION: Viola
 INTERVAL : 5180.00 To 5212.00 ft TD 5212.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10332	10332	2357			PF Fr. 1005 to 1035 hr
SI 30 Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 1035 to 1105 hr
SF 30 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 1105 to 1135 hr
FS 30 Depth(ft)	5209.0	5209.0	5186.0	0.0	0.0	FS Fr. 1135 to 0005 hr

	Field	1	2	3	4	
A. Init Hydro	2620.0	2603.0	2589.0	0.0	0.0	T STARTED 0759 hr
B. First Flow	30.0	48.0	18.0	0.0	0.0	T ON BOTM 1003 hr
B1. Final Flow	30.0	37.0	20.0	0.0	0.0	T OPEN 1005 hr
C. In Shut-in	51.0	61.0	44.0	0.0	0.0	T PULLED 0005 hr
D. Init Flow	30.0	37.0	21.0	0.0	0.0	T OUT 1348 hr
E. Final Flow	30.0	37.0	21.0	0.0	0.0	
F. Fl Shut-in	51.0	37.0	29.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2640.0	2628.0	2445.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 60000.00 lbs
						Initial Str Wt 54000.00 lbs
						Unseated Str Wt 54000.00 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 0.00 ft
						D.P. Length 5160.00 ft

RECOVERY

Tot Fluid 10.00 ft of 0.00 ft in DC and 10.00 ft in DP
 10.00 ft of drilling mud
 0.00 ft of
 0.00 ft of

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

BLOW DESCRIPTION

Initial Flow:
 Weak blow built to 1/2" in water
 Initial Shut-in:
 Bled down for 5 mins
 Final Flow:
 No blow
 Final Shut-in:
 No blow back

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/c
Vis.	55.00 S/L
W.L.	13.20 in3
F.C.	0.32 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	126.00 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.	Doug McGinness
Contr.	Duke
Rig #	4
Unit #	no
Pump T.	none

SAMPLES:
 SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Bouziden #2

LOCATION : 13-34s-14w Barber co. KS

TICKET No. 11859 D.S.T. No. 3 DATE 10/03/199

TOTAL TOOL TO BOTTOM OF TOP PACKERS 28

INTERVAL TOOL

TOTAL PACKERS AND ANCHOR 32

TOTAL TOOL 60

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 Single Total

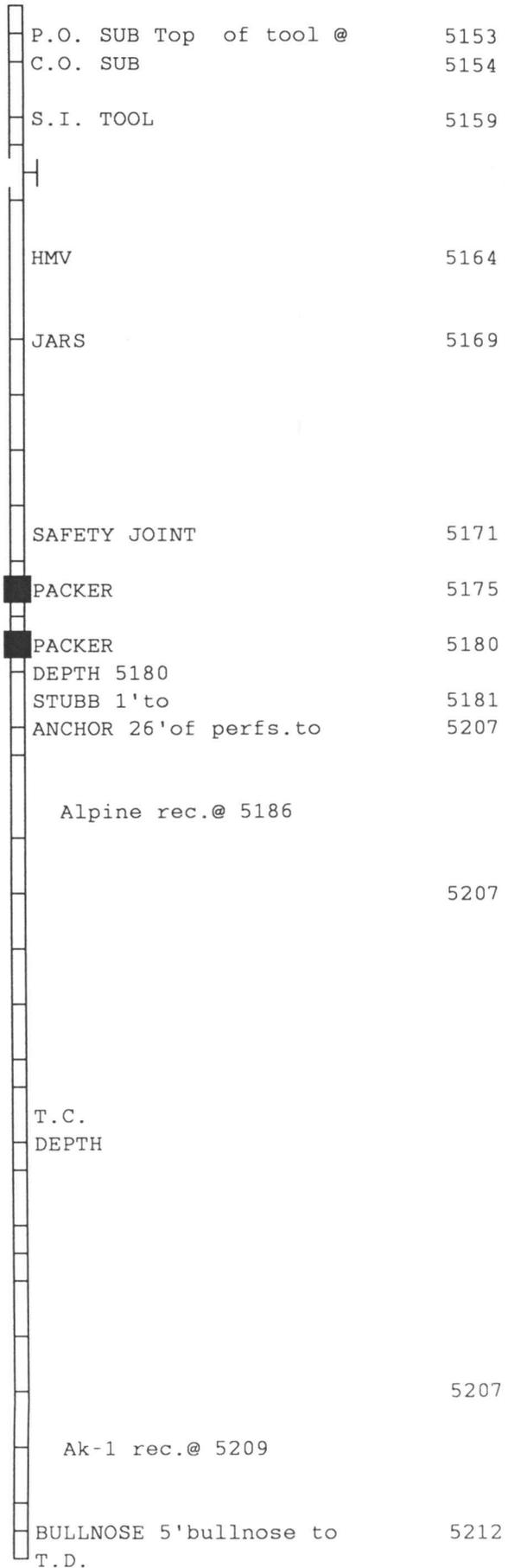
D.P. ABOVE TOOLS.Stands82 Single Total 5160

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5220

TOTAL DEPTH 5212

TOTAL DRILL PIPE ABOVE K.B. 8

REMARKS:



TEST HISTORY

TK#11859 DST#3 Bouziden #2 CMX, Inc.

Flag Points

t (Min.)	P (PSig)
R: 0.00	2589.33
B: 0.00	17.73
C: 30.00	20.08
D: 29.00	44.28
E: 0.00	20.51
F: 30.50	20.60
G: 32.00	28.64
Q: 0.00	2445.45

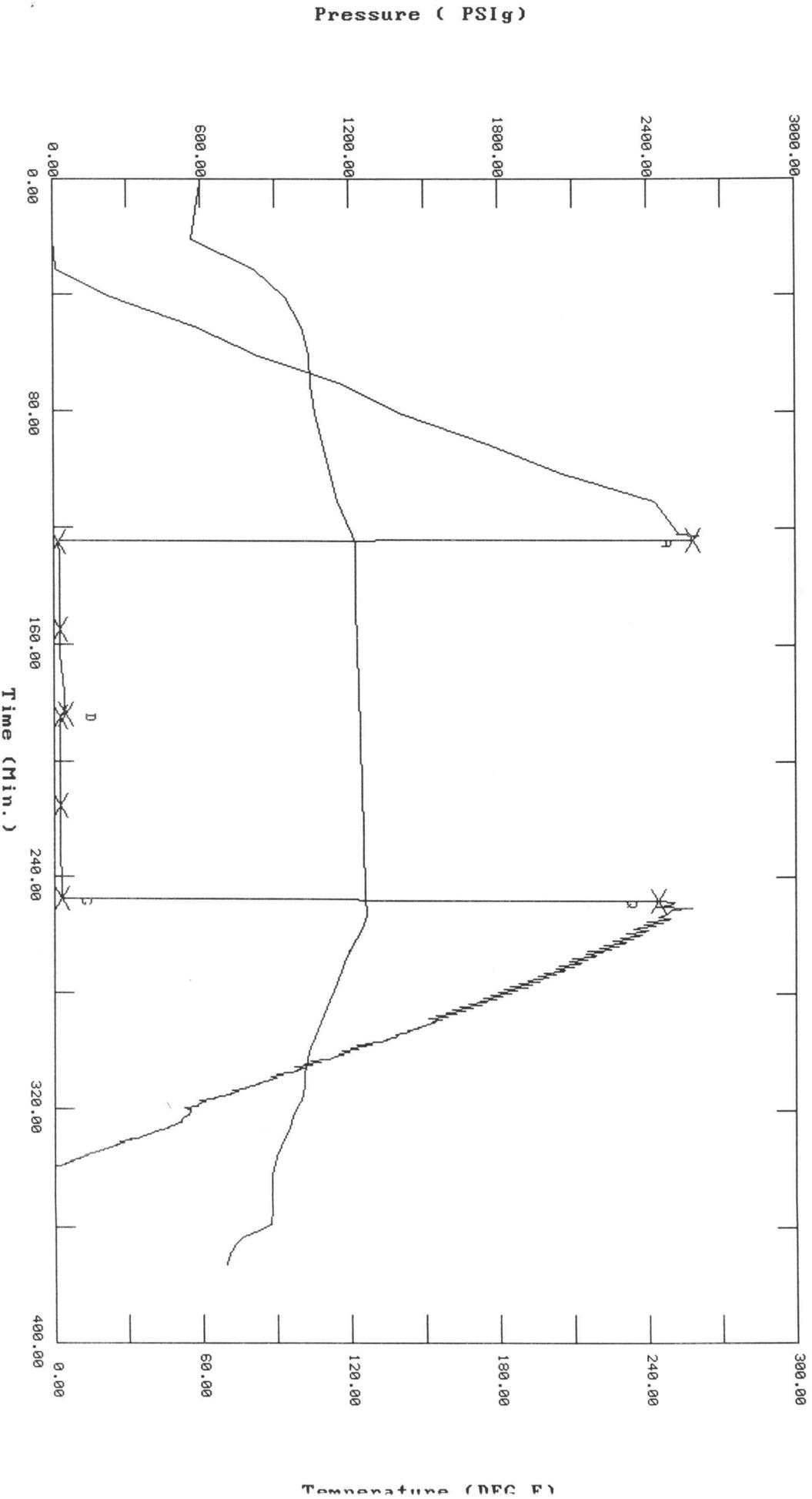
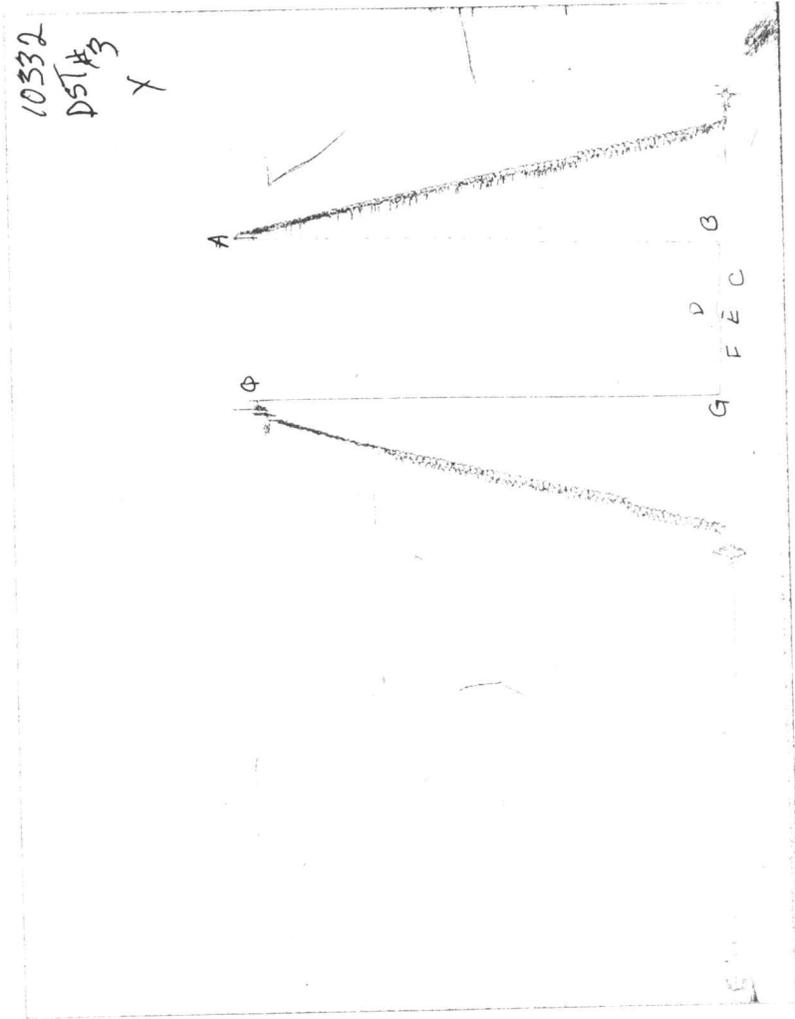


CHART PAGE



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

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#11859 DST#3 Bouziden #2 CMX, Inc.

DATE: 10/03/98

TIME: 08:00:37

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	124.00	2589.3	0.0	121.74		
***** Start Flow 1	0.00	17.7	0.0	122.05		
	0.50	18.3	0.6	122.15		
	1.00	18.5	0.7	122.23		
	1.50	18.5	0.8	122.29		
	2.00	18.6	0.8	122.34		
	2.50	18.7	1	122.36		
	3.00	18.8	1.1	122.38		
	3.50	18.8	1.1	122.39		
	4.00	18.8	1.1	122.39		
	4.50	19.0	1.3	122.39		
	5.00	19.1	1.4	122.38		
	5.50	19.1	1.4	122.37		
	6.00	19.1	1.4	122.36		
	6.50	19.2	1.5	122.35		
	7.00	19.3	1.5	122.33		
	7.50	19.3	1.5	122.32		
	8.00	19.3	1.6	122.31		
	8.50	19.3	1.6	122.30		
	9.00	19.4	1.7	122.29		
	9.50	19.5	1.8	122.28		
	10.00	19.5	1.8	122.28		
	10.50	19.5	1.8	122.27		
	11.00	19.5	1.8	122.26		
	11.50	19.5	1.8	122.26		
	12.00	19.6	1.8	122.25		
	12.50	19.6	1.9	122.25		
	13.00	19.6	1.9	122.26		
	13.50	19.7	1.9	122.26		
	14.00	19.7	1.9	122.26		
	14.50	19.7	1.9	122.26		
	15.00	19.7	2.0	122.26		
	15.50	19.7	1.9	122.27		
	16.00	19.7	2.0	122.28		
	16.50	19.7	1.9	122.29		
	17.00	19.7	2.0	122.30		
	17.50	19.7	2.0	122.30		
	18.00	19.8	2.0	122.31		
	18.50	19.8	2.0	122.32		
	19.00	19.8	2.0	122.34		
	19.50	19.8	2.1	122.35		
	20.00	19.8	2.1	122.36		
	20.50	19.9	2.1	122.37		
	21.00	19.9	2.1	122.38		
	21.50	19.9	2.2	122.39		
	22.00	19.9	2.2	122.41		
	22.50	19.9	2.2	122.43		
	23.00	19.9	2.2	122.44		
	23.50	19.9	2.2	122.45		
	24.00	20.0	2.2	122.48		
	24.50	20.0	2.3	122.49		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#11859 DST#3 Bouziden #2 CMX, Inc.

DATE: 10/03/98

TIME: 08:00:37

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	25.00	20.0	2.3	122.50		
	25.50	20.0	2.3	122.52		
	26.00	20.0	2.3	122.54		
	26.50	20.0	2.3	122.56		
	27.00	20.1	2.3	122.57		
	27.50	20.0	2.3	122.59		
	28.00	20.1	2.3	122.61		
	28.50	20.1	2.4	122.63		
	29.00	20.1	2.4	122.65		
	29.50	20.1	2.4	122.66		
***** End Flow 1	30.00	20.1	2.4	122.68		
***** Start Shutin 1	0.00	20.1	0.0	122.68	0.0000	0.000
	0.50	20.1	0.0	122.70	61.0000	0.000
	1.00	20.1	0.0	122.73	31.0000	0.000
	1.50	20.1	0.0	122.74	21.0000	0.000
	2.00	20.1	0.0	122.77	16.0000	0.000
	2.50	20.1	0.1	122.79	13.0000	0.000
	3.00	20.1	0.1	122.80	11.0000	0.000
	3.50	20.2	0.1	122.82	9.5714	0.000
	4.00	20.2	0.1	122.85	8.5000	0.000
	4.50	20.3	0.2	122.86	7.6667	0.000
	5.00	20.3	0.3	122.88	7.0000	0.000
	5.50	20.5	0.4	122.90	6.4545	0.000
	6.00	20.8	0.7	122.92	6.0000	0.000
	6.50	21.1	1.0	122.94	5.6154	0.000
	7.00	21.5	1.4	122.97	5.2857	0.000
	7.50	21.7	1.7	122.99	5.0000	0.000
	8.00	22.3	2.2	123.01	4.7500	0.000
	8.50	22.8	2.7	123.03	4.5294	0.001
	9.00	23.3	3.2	123.05	4.3333	0.001
	9.50	23.8	3.7	123.07	4.1579	0.001
	10.00	24.4	4.3	123.10	4.0000	0.001
	10.50	25.0	4.9	123.11	3.8571	0.001
	11.00	25.5	5.4	123.14	3.7273	0.001
	11.50	26.1	6.0	123.16	3.6087	0.001
	12.00	26.7	6.6	123.18	3.5000	0.001
	12.50	27.2	7.2	123.20	3.4000	0.001
	13.00	27.8	7.8	123.22	3.3077	0.001
	13.50	28.4	8.3	123.24	3.2222	0.001
	14.00	29.1	9.0	123.26	3.1429	0.001
	14.50	29.6	9.5	123.28	3.0690	0.001
	15.00	30.1	10.1	123.31	3.0000	0.001
	15.50	30.7	10.6	123.46	2.9355	0.001
	16.00	31.3	11.2	123.41	2.8750	0.001
	16.50	31.9	11.8	123.36	2.8182	0.001
	17.00	32.6	12.6	123.30	2.7647	0.001
	17.50	33.3	13.3	123.25	2.7143	0.001
	18.00	34.0	13.9	123.42	2.6667	0.001
	18.50	34.7	14.6	123.44	2.6216	0.001
	19.00	35.4	15.3	123.47	2.5789	0.001
	19.50	36.1	16.0	123.48	2.5385	0.001

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#11859 DST#3 Bouziden #2 CMX, Inc.

DATE: 10/03/98

TIME: 08:00:37

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	20.00	36.7	16.7	123.51	2.5000	0.001
	20.50	37.5	17.4	123.53	2.4634	0.001
	21.00	38.1	18.0	123.55	2.4286	0.001
	21.50	38.7	18.7	123.57	2.3953	0.002
	22.00	39.5	19.4	123.58	2.3636	0.002
	22.50	40.1	20.0	123.61	2.3333	0.002
	23.00	40.9	20.8	123.62	2.3043	0.002
	23.50	41.6	21.5	123.65	2.2766	0.002
	24.00	42.2	22.2	123.67	2.2500	0.002
	24.50	42.5	22.5	123.69	2.2245	0.002
	25.00	42.5	22.4	123.71	2.2000	0.002
	25.50	42.4	22.3	123.73	2.1765	0.002
	26.00	42.3	22.2	123.75	2.1538	0.002
	26.50	42.2	22.1	123.77	2.1321	0.002
	27.00	42.1	22.0	123.79	2.1111	0.002
	27.50	42.4	22.3	123.81	2.0909	0.002
	28.00	42.9	22.8	123.83	2.0714	0.002
	28.50	43.5	23.5	123.84	2.0526	0.002
***** End Shut-in 1	29.00	44.3	24.2	123.87	2.0345	0.002
***** Start Flow 2	0.00	20.5	0.0	123.90		
	0.50	20.5	-0.0	123.93		
	1.00	20.4	-0.1	123.94		
	1.50	20.4	-0.2	123.96		
	2.00	20.4	-0.2	123.98		
	2.50	20.3	-0.2	124.00		
	3.00	20.2	-0.3	124.01		
	3.50	20.3	-0.3	124.03		
	4.00	20.3	-0.2	124.05		
	4.50	20.3	-0.2	124.07		
	5.00	20.4	-0.1	124.09		
	5.50	20.4	-0.1	124.11		
	6.00	20.4	-0.1	124.13		
	6.50	20.4	-0.1	124.16		
	7.00	20.5	-0.0	124.17		
	7.50	20.5	-0.0	124.30		
	8.00	20.5	0.0	124.30		
	8.50	20.5	-0.0	124.30		
	9.00	20.5	-0.0	124.30		
	9.50	20.5	-0.0	124.30		
	10.00	20.5	-0.0	124.30		
	10.50	20.5	-0.0	124.30		
	11.00	20.4	-0.1	124.31		
	11.50	20.5	-0.0	124.30		
	12.00	20.5	-0.0	124.30		
	12.50	20.5	-0.0	124.30		
	13.00	20.5	-0.0	124.30		
	13.50	20.5	-0.0	124.30		
	14.00	20.5	-0.1	124.30		
	14.50	20.5	-0.0	124.30		
	15.00	20.5	0.0	124.30		
	15.50	20.5	0.0	124.29		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#11859 DST#3 Bouziden #2 CMX, Inc.

DATE: 10/03/98

TIME: 08:00:37

	Time	Pressure PSI _g	delta P PSI _g	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	16.00	20.5	0.0	124.30		
	16.50	20.5	-0.0	124.48		
	17.00	20.5	-0.0	124.51		
	17.50	20.5	0.0	124.54		
	18.00	20.5	0.0	124.55		
	18.50	20.5	0.0	124.57		
	19.00	20.5	0.0	124.59		
	19.50	20.5	0.0	124.60		
	20.00	20.5	0.0	124.62		
	20.50	20.5	0.0	124.64		
	21.00	20.6	0.1	124.66		
	21.50	20.5	0.0	124.67		
	22.00	20.5	0.0	124.69		
	22.50	20.5	-0.0	124.72		
	23.00	20.6	0.0	124.73		
	23.50	20.5	0.0	124.74		
	24.00	20.5	-0.0	124.76		
	24.50	20.5	0.0	124.77		
	25.00	20.5	0.0	124.79		
	25.50	20.5	-0.0	124.81		
	26.00	20.5	0.0	124.82		
	26.50	20.5	0.0	124.84		
	27.00	20.5	0.0	124.86		
	27.50	20.5	0.0	124.88		
	28.00	20.5	0.0	124.89		
	28.50	20.6	0.0	124.91		
	29.00	20.6	0.0	124.92		
	29.50	20.6	0.1	124.94		
	30.00	20.5	0.0	124.96		
***** End Flow 2	30.50	20.6	0.1	124.97		
***** Start Shutin 2	0.00	20.6	0.0	124.97	0.0000	0.000
	0.50	20.6	0.0	124.99	122.0000	0.000
	1.00	20.6	-0.0	125.01	61.5000	0.000
	1.50	20.6	0.0	125.02	41.3333	0.000
	2.00	20.6	0.0	125.04	31.2500	0.000
	2.50	20.7	0.1	125.05	25.2000	0.000
	3.00	20.7	0.1	125.07	21.1667	0.000
	3.50	20.7	0.1	125.08	18.2857	0.000
	4.00	20.7	0.1	125.10	16.1250	0.000
	4.50	20.7	0.1	125.11	14.4444	0.000
	5.00	20.7	0.1	125.14	13.1000	0.000
	5.50	20.7	0.1	125.15	12.0000	0.000
	6.00	20.7	0.1	125.16	11.0833	0.000
	6.50	20.8	0.2	125.17	10.3077	0.000
	7.00	20.8	0.2	125.19	9.6429	0.000
	7.50	20.8	0.2	125.21	9.0667	0.000
	8.00	20.8	0.2	125.23	8.5625	0.000
	8.50	20.8	0.2	125.24	8.1176	0.000
	9.00	20.8	0.2	125.26	7.7222	0.000
	9.50	20.8	0.2	125.27	7.3684	0.000
	10.00	20.9	0.3	125.29	7.0500	0.000

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: Tk#11859 DST#3 Bouziden #2 CMX, Inc.
 DATE: 10/03/98 TIME: 08:00:37

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	10.50	20.9	0.3	125.30	6.7619	0.000
	11.00	21.0	0.4	125.32	6.5000	0.000
	11.50	21.1	0.5	125.34	6.2609	0.000
	12.00	21.2	0.6	125.35	6.0417	0.000
	12.50	21.3	0.7	125.37	5.8400	0.000
	13.00	21.5	0.9	125.38	5.6538	0.000
	13.50	21.6	1.0	125.39	5.4815	0.000
	14.00	21.7	1.1	125.41	5.3214	0.000
	14.50	21.9	1.3	125.42	5.1724	0.000
	15.00	22.1	1.5	125.44	5.0333	0.000
	15.50	22.3	1.7	125.45	4.9032	0.000
	16.00	22.5	1.9	125.47	4.7812	0.001
	16.50	22.7	2.1	125.49	4.6667	0.001
	17.00	22.9	2.3	125.50	4.5588	0.001
	17.50	23.1	2.5	125.52	4.4571	0.001
	18.00	23.3	2.7	125.53	4.3611	0.001
	18.50	23.5	2.9	125.54	4.2703	0.001
	19.00	23.6	3.0	125.56	4.1842	0.001
	19.50	23.8	3.2	125.57	4.1026	0.001
	20.00	24.0	3.4	125.59	4.0250	0.001
	20.50	24.2	3.6	125.60	3.9512	0.001
	21.00	24.4	3.8	125.62	3.8810	0.001
	21.50	24.6	4.0	125.63	3.8140	0.001
	22.00	24.8	4.2	125.65	3.7500	0.001
	22.50	25.0	4.4	125.66	3.6889	0.001
	23.00	25.2	4.6	125.68	3.6304	0.001
	23.50	25.4	4.8	125.69	3.5745	0.001
	24.00	25.6	5.0	125.70	3.5208	0.001
	24.50	25.8	5.2	125.72	3.4694	0.001
	25.00	25.9	5.3	125.73	3.4200	0.001
	25.50	26.1	5.5	125.74	3.3725	0.001
	26.00	26.4	5.8	125.76	3.3269	0.001
	26.50	26.5	5.9	125.77	3.2830	0.001
	27.00	26.7	6.1	125.79	3.2407	0.001
	27.50	27.0	6.4	125.80	3.2000	0.001
	28.00	27.1	6.5	125.82	3.1607	0.001
	28.50	27.3	6.7	125.83	3.1228	0.001
	29.00	27.5	6.9	125.84	3.0862	0.001
	29.50	27.7	7.1	125.86	3.0508	0.001
	30.00	27.9	7.3	125.87	3.0167	0.001
	30.50	28.1	7.5	125.89	2.9836	0.001
	31.00	28.3	7.7	125.90	2.9516	0.001
	31.50	28.5	7.9	125.91	2.9206	0.001
***** End Shut-in 2	32.00	28.6	8.0	125.93	2.8906	0.001
***** Final Hydro.	248.00	2445.4	0.0	126.01		

TRILOBITE TESTING L.L.C.

OPERATOR : CMX, Inc. DATE 10/04/199
 WELL NAME: Bouziden KB 1685.00 ft TICKET NO: 11860 DST #4
 LOCATION : 15-34s-14w Barber co. KS GR 1676.00 ft FORMATION: Toronto/Douglas
 INTERVAL : 3968.00 To 4000.00 ft TD 5270.00 ft TEST TYPE: CONVENTIONAL/STRRDLE

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF	0	Rec.	10332	10332	2357	10991	PF Fr. mis to run hr
SI	0	Range(Psi)	4025.0	4025.0	4995.0	4200.0	0.0 IS Fr. to hr
SF	0	Clock(hrs)	12hr.	12hr.	elec	12hr.	SF Fr. to hr
FS	0	Depth(ft)	3993.0	3993.0	3974.0	4007.0	0.0 FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	2008.0	0.0	1951.0	0.0	0.0	T STARTED 1217 hr
B. First Flow	1206.0	0.0	1500.0	0.0	0.0	T ON BOTM 1450 hr
B1. Final Flow	0.0	0.0	0.0	0.0	0.0	T OPEN 1455 hr
C. In Shut-in	0.0	0.0	0.0	0.0	0.0	T PULLED 1500 hr
D. Init Flow	0.0	0.0	0.0	0.0	0.0	T OUT 1630 hr
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	TOOL DATA-----
G. Final Hydro	1998.0	0.0	1970.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0		I	S		Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 58000.00 lbs
						Initial Str Wt 46000.00 lbs
						Unseated Str Wt 56000.00 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 0.00 ft
						D.P. Length 3958.00 ft

RECOVERY

Tot Fluid 120.00 ft of 0.00 ft in DC and 120.00 ft in DP
 120.00 ft of drilling mud
 0.00 ft of
 0.00 ft of

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

BLOW DESCRIPTION

Misrun due to upper packer failure.

MUD DATA-----

Mud Type	Chemical
Weight	9.20 lb/c
Vis.	48.00 S/L
W.L.	14.00 in3
F.C.	0.32 in
Mud Drop N	

Amt. of fill	0.00 ft
Btm. H. Temp.	123.00 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 Y	
Tool Chased N	
Tester	Darren Amerine
Co. Rep.	Doug McGinness
Contr.	Duke
Rig #	4
Unit #	no
Pump T.	none

SAMPLES:
 SENT TO:

Test Successful: N

*** TOOL DIAGRAM *** CONVENTIONAL/STRDL

WELL NAME: Bouziden

LOCATION : 15-34s-14w Barber co. KS

TICKET No. 11860 D.S.T. No. 4 DATE 10/04/199

TOTAL TOOL TO BOTTOM OF TOP PACKERS 28

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 32

TOTAL TOOL 62

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 62

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands63 Single 1 Total 3958

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4020

TOTAL DEPTH 5270

TOTAL DRILL PIPE ABOVE K.B. 18

REMARKS:

P.O. SUB top of tool @	3941
C.O. SUB	3942
S.I. TOOL	3947
HMV	3952
JARS	3957
SAFETY JOINT	3959
PACKER	3963
PACKER	3968
DEPTH 3968	
STUBB 1'to	3969
ANCHOR perfs ---	
Alpine rec. @	3974
AK-1 rec.@ 3993	
28'perfs & blank	
off sub to	3997
T.C. 3'	4000
DEPTH 4000	
4000	
Hook wall tool @	4002
AK-1 rec.@4007'	
BULLNOSE 5' perforated	4010
T.D.	

TEST HISTORY

TK#11860 DST#4 Bouziden #2 CMX, Inc.

Flag Points

t (Min.)	P (PSig)
R: 0.00	1951.46
B: 0.00	1500.87
Q: 0.00	1969.52

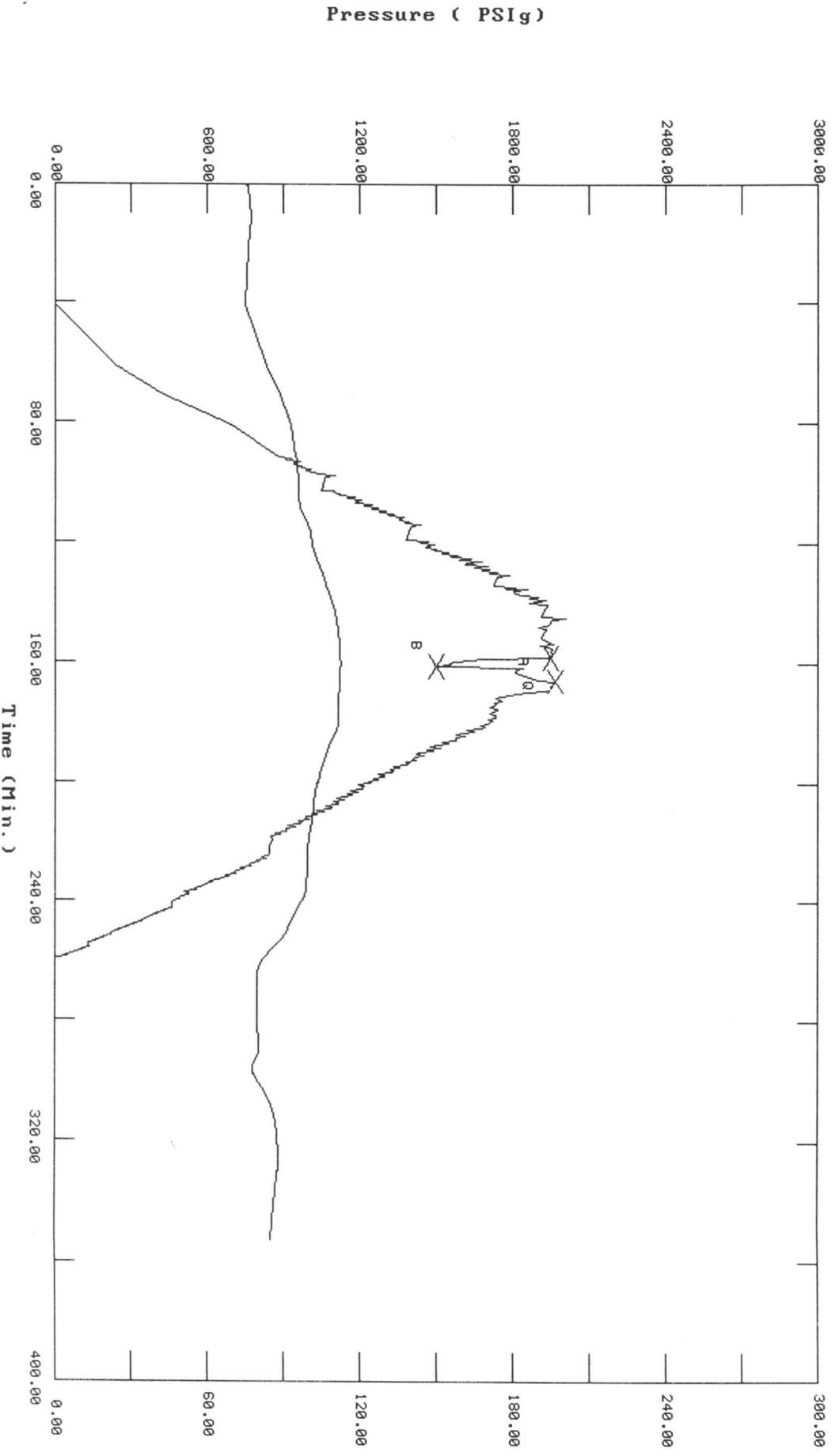
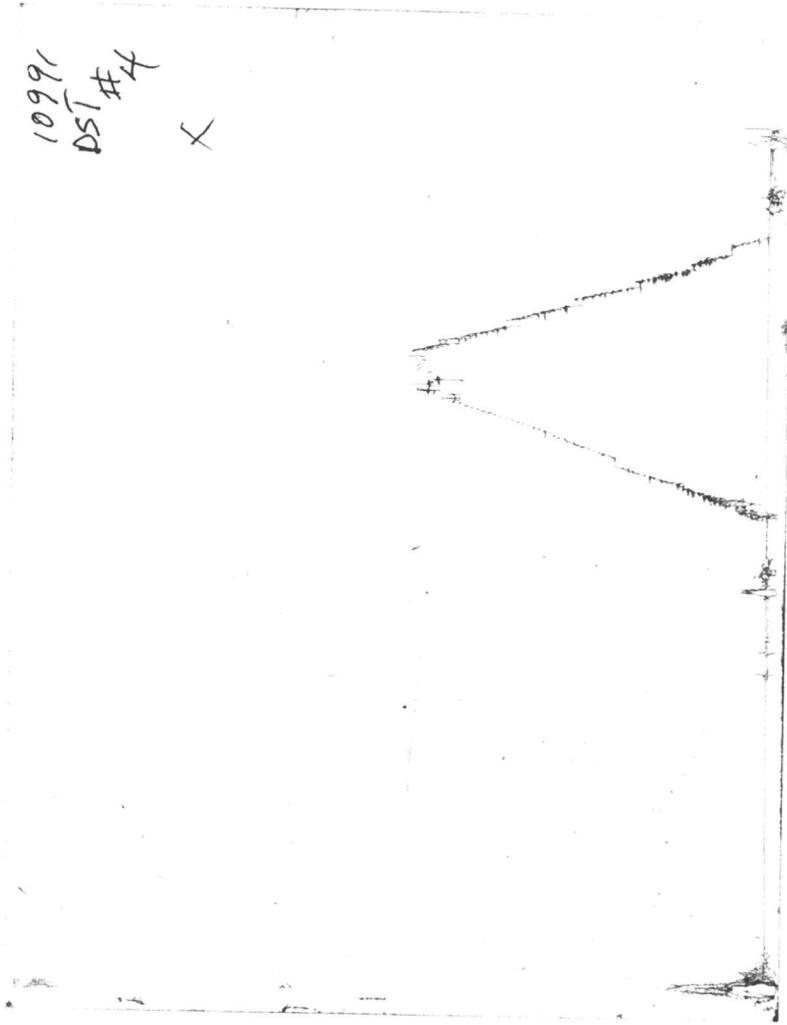
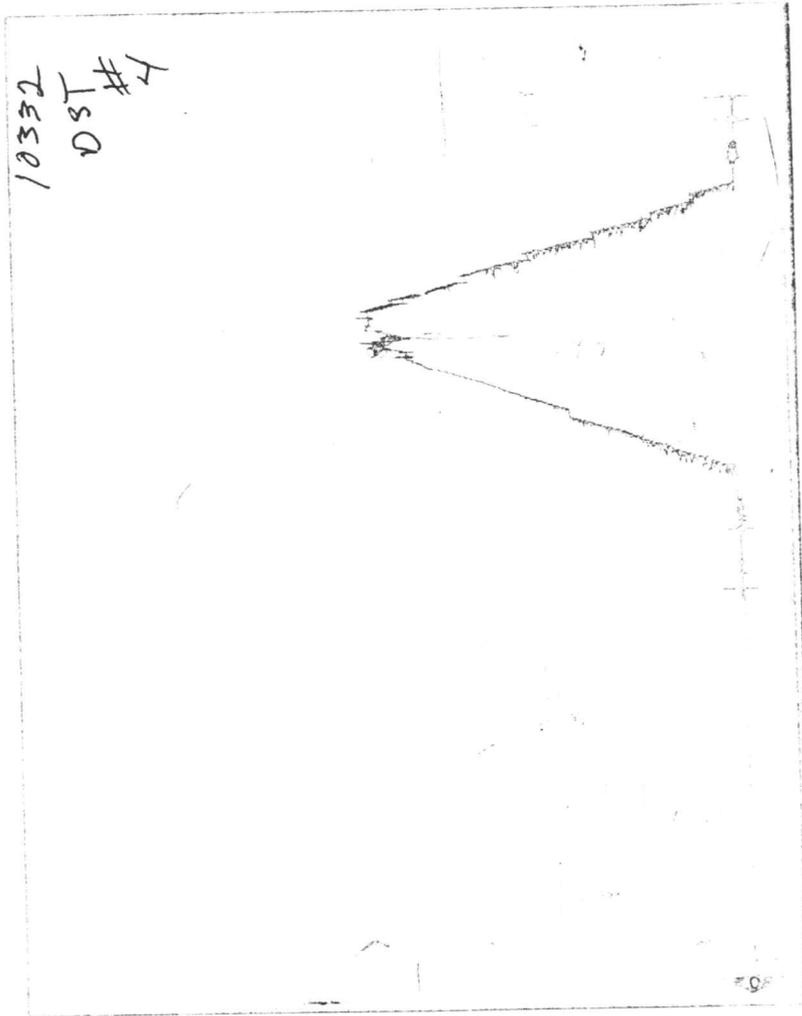


CHART PAGE



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#11860 DST#4 Bouziden #2 CMX, Inc.

DATE: 10/04/98

TIME: 12:17:54

	Time	Pressure	delta P	Temp.	(T+dT)/dT	P ² /10 ⁶
		PSIg	PSIg	DEG F		
***** Initial Hydro.	158.00	1951.5	0.0	112.22		
***** Start Flow 1	0.00	1500.9	0.0	112.46		
	0.50	1842.5	341.6	112.38		
	1.00	1819.2	318.4	112.31		
	1.50	1812.4	311.6	112.22		
	2.00	1812.4	311.5	112.14		
	2.50	1830.3	329.4	112.07		
	3.00	1848.5	347.6	112.01		
	3.50	1871.1	370.2	111.96		
	4.00	1886.7	385.8	111.92		
	4.50	1908.0	407.1	111.88		
***** End Flow 1	5.00	1969.5	468.7	111.85		