Computer Inventoried

ORIGINAL

WELL NAME:	Collingwood # 1-2
COMPANY:	Cross Bar Petroleum Inc
LOCATION:	2-20S-33W
	Scott County Kansas
DATE:	10/24/97

15-171-20521

CONFIDENTIAL

RELEASED

JAN 29 1999

FROM CONFIDENTIAL

RECEIVED

OCT 30

CONFIDENTIAL

2-20-33W Collingwood 1-2

TRILOBITE TESTING L.L.C.

OPERATOR : CrossBar Petroleum Inc — DATE 10/19/97
WELL NAME: CBP #1-2 Collingwood — KB 2962.00 ft — TICKET NO: 10702 — DST #1
LOCATION : 2-20S-33W Scott Co KS — GR 2951.00 ft — FORMATION: Pawnee/Ft Scott
INTERVAL : 4405.00 To 4455.00 ft — TD 4455.00 ft — TEST TYPE: CONV

RECORDER DATA

	Mins		Field	1	2	3	4
PF	30	Rec.	13754	13754	13248		
IS	30	Range(Psi)	7000.0	7000.0	4250.0	0.0	0.0
SF	10	Clock(hrs)	12 hr	12 hr	12 hr		
FS	0	Depth(ft)	4408.0	4408.0	4452.0	0.0	0.0

TIME DATA----------
PF Fr. 2310 to 2340 hr
IS Fr. 2340 to 0010 hr
SF Fr. 0010 to 0020 hr
FS Fr. to hr

	Field	1	2	3	4
A. Init Hydro	2137.0	2193.0	0.0	0.0	0.0
B. First Flow	4.0	52.0	0.0	0.0	0.0
C1. Final Flow	49.0	50.0	0.0	0.0	0.0
C2. In Shut-in	59.0	58.0	0.0	0.0	0.0
D. Init Flow	49.0	51.0	0.0	0.0	0.0
E. Final Flow	49.0	48.0	0.0	0.0	0.0
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0
G. Final Hydro	2107.0	2133.0	0.0	0.0	0.0
Inside/Outside	I	I	O		

T STARTED 2100 hr
T ON BOTM 2300 hr
T OPEN 2310 hr
T PULLED 0020 hr
T OUT 0330 hr

RECOVERY
Tot Fluid 10.00 ft of 10.00 ft in DC and 0.00 ft in DP
10.00 ft of Drilling Mud
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

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

Tool Wt.	1000.00 lbs
Wt Set On Packer	30000.00 lbs
Wt Pulled Loose	85000.00 lbs
Initial Str Wt	80000.00 lbs
Unseated Str Wt	80000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	707.00 ft
D.P. Length	3670.00 ft

BLOW DESCRIPTION
Initial Flow:
Weak blow, died in 20 mins

Final Flow:
No blow, flushed tool, no help
pulled tool

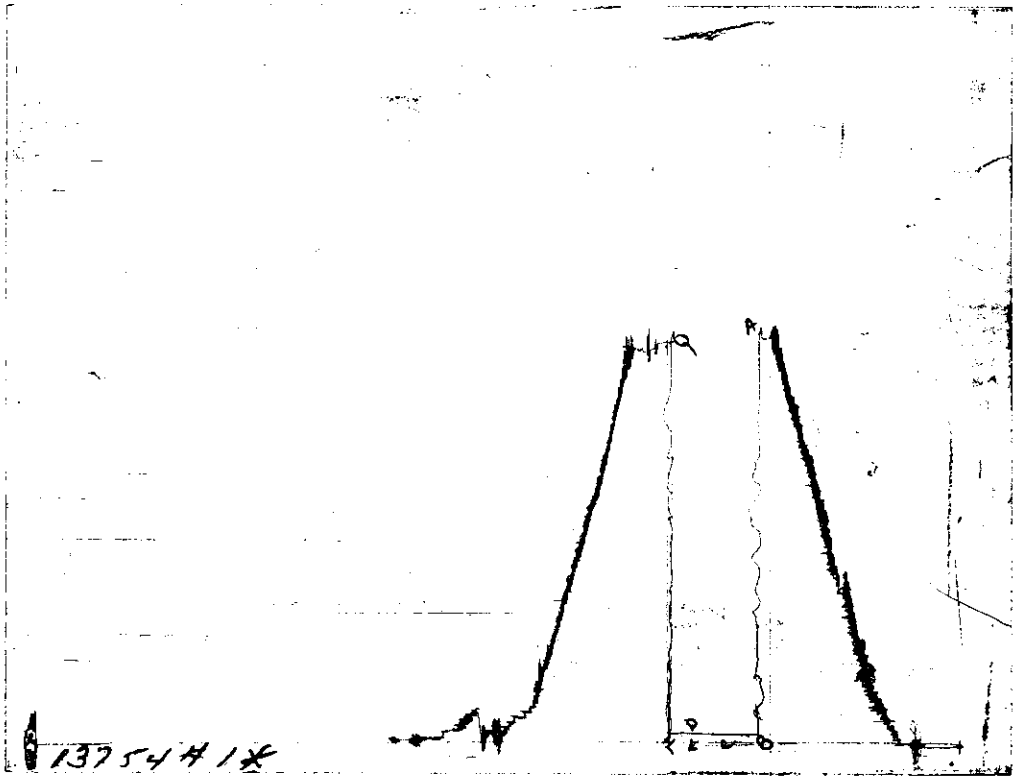
SAMPLES:
SENT TO:

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

Mud Type	Chemical
Weight	9.30 lb/cf
Vis.	45.00 S/L
W.L.	10.00 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	110.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Dan Bangle
Co. Rep.	Steve Davis
Contr.	Cheyenne
Rig #	5
Unit #	
Pump T.	

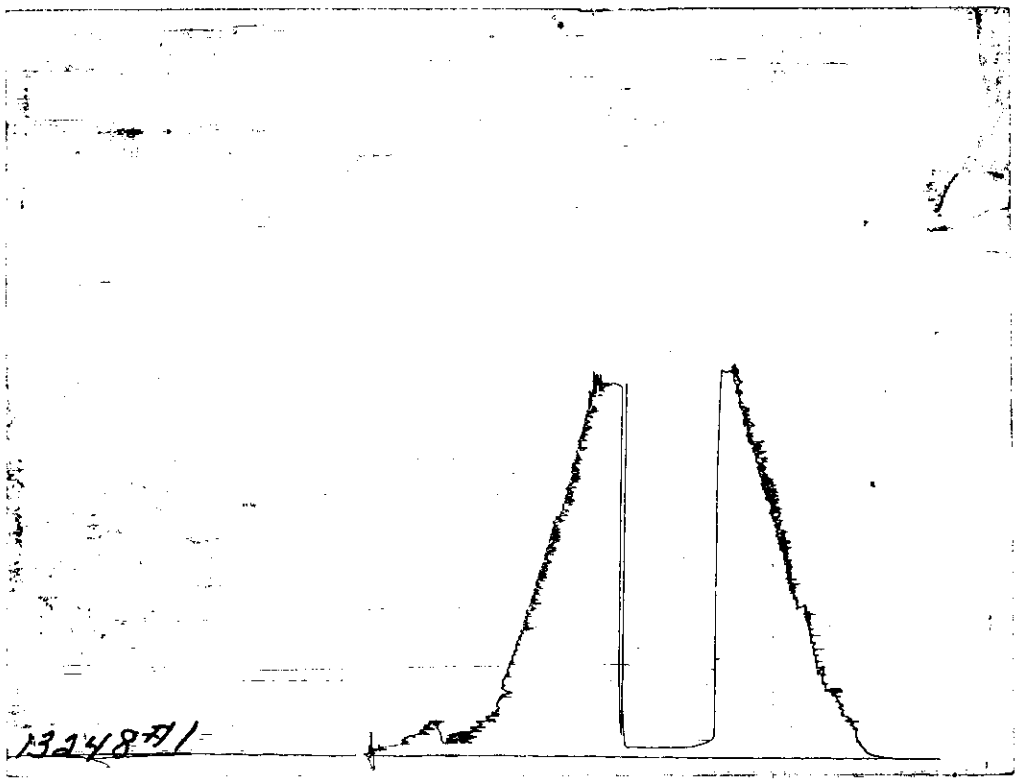
Test Successful: Y

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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 10702

Well Name & No. CBP #1-2 Collingwood Test No. 1 Date 10-19-97

Company Cross Bar Petro, Inc Zone Tested Pawnee/FT Scott

Address 7570 W. 21st St. Bldg. 1014 Suite B, Wichita, Ks 67205 Elevation 2962 KB 2951 GL

Co. Rep / Geo. Steve Davis Cont. Cheyenne #5 Est. Ft. of Pay ____ Por. ____ %

Location: Sec. 2 Twp. 20 Rge. 33 Co. Scott State Ks

No. of Copies Std Distribution Sheet (Y, N) ____ Turnkey (Y, N) ____ Evaluation (Y, N) ____

Interval Tested 4405 – 4455 Initial Str Wt./Lbs. 80,000 Unseated Str Wt./Lbs. 80,000

Anchor Length 50 Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 85,000

Top Packer Depth 4400 Tool Weight 1000

Bottom Packer Depth 4405 Hole Size — 7 7/8" ____ Rubber Size — 6 3/4" ____

Total Depth 4455 Wt. Pipe Run ____ Drill Collar Run 707

Mud Wt. 9.3 LCM 1# Vis. 45 WL 10 Drill Pipe Size 4.5 XH Ft. Run 3670

Blow Description I.F. Weak - Died in 20 min.

F.F. No blow - flushed Tool - No Help

Recovery — Total Feet 10 GIP ____ Ft. in DC 10 Ft. in DP ____

Rec. 10	Feet Of D.M.	%gas	%oil	%water	%mud
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud

BHT 110 °F Gravity ____ °API D@ ____ °F Corrected Gravity ____ °API

RW ____ @ ____ °F Chlorides ____ ppm Recovery Chlorides 2400 ppm System

(A) Initial Hydrostatic Mud	2137 PSI	Recorder No.	13754	T-Started	21:00
(B) First Initial Flow Pressure	49 PSI	(depth)	4408	T-Open	23:10
(C) First Final Flow Pressure	49 PSI	Recorder No.	13248	T-Pulled	00:20
(D) Initial Shut-in Pressure	59 PSI	(depth)	4462	T-Out	03:30
(E) Second Initial Flow Pressure	49 PSI	Recorder No.			
(F) Second Final Flow Pressure	49 PSI	(depth)			
(G) Final Shut-in Pressure	— PSI	Initial Opening	30	Test	
(H) Final Hydrostatic Mud	2107 PSI	Initial Shut-in	30	Jars	X
		Final Flow	10	Safety Joint	X
		Final Shut-in	0	Straddle	
				Circ. Sub	
				Sampler	
				Extra Packer	
				Elect. Rec.	
				Other	
				TOTAL PRICE $	

Approved By Steve Davis

Our Representative Dan Kemple

TRILOBITE TESTING L.L.C.

OPERATOR : CrossBar Petroleum Inc.
WELL NAME: Collingwood #1-2
LOCATION : 2-20-33W Scott KS.
INTERVAL : 4568.00 To 4693.00 ft

DATE 10-21-97
KB 2951.00 ft TICKET NO: 10350 DST #2
GR 2963.00 ft FORMATION: Morrow/Mississippian
TD 4693.00 ft TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4
PF 45	Rec.	13339	13339	2342		
SI 60	Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0
SF 45	Clock(hrs)	12 HR	12 HR	Elec		
FS 60	Depth(ft)	4693.0	4693.0	4570.0	0.0	0.0

TIME DATA----------
PF Fr. 0313 to 0358 hr
IS Fr. 0358 to 0458 hr
SF Fr. 0458 to 0543 hr
FS Fr. 0543 to 0643 hr

	Field	1	2	3	4
A. Init Hydro	2273.0	2311.0	2246.0	0.0	0.0
B. First Flow	104.0	161.0	20.0	0.0	0.0
C1. Final Flow	124.0	153.0	67.0	0.0	0.0
C. In Shut-in	1200.0	1219.0	1159.0	0.0	0.0
D. Init Flow	155.0	211.0	69.0	0.0	0.0
E. Final Flow	166.0	190.0	106.0	0.0	0.0
F. Fl Shut-in	1160.0	1193.0	1142.0	0.0	0.0
G. Final Hydro	2223.0	2229.0	2153.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 0035 hr
T ON BOTM 0310 hr
T OPEN 0313 hr
T PULLED 0643 hr
T OUT 0805 hr

RECOVERY
Tot Fluid 210.00 ft of 210.00 ft in DC and 0.00 ft in DP
30.00 ft of Drilling Mud
180.00 ft of Sulfur Water
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of RW .45 @ 65 deg =
SALINITY 17000.00 P.P.M. A.P.I. Gravity 0.00

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

Tool Wt.	2000.00 lbs
Wt Set On Packer	35000.00 lbs
Wt Pulled Loose	90000.00 lbs
Initial Str Wt	85000.00 lbs
Unseated Str Wt	85000.00 lbs
Bot Choke	0.75 in
Hole Size	8.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	706.00 ft
D.P. Length	3853.00 ft

BLOW DESCRIPTION
Initial Flow:
Surface blow built to 1/2" stayed steady throughout

Initial Shut In:

Final Flow:
Surface return in 10 mins, stayed steady throughout

Final Shut In:
No return blow

SAMPLES:
SENT TO:

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

Mud Type	Chemical
Weight	9.20 lb/cf
Vis.	53.00 S/L
W.L.	8.20 in3
F.C.	0.00 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	119.00 F
Hole Condition	Good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Rod Steinbrink
Co. Rep.	Steve Davis
Contr.	Cheyenne
Rig #	5
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** CONV

WELL NAME: Collingwood #1-2

LOCATION : 2-20-33W Scott KS.

TICKET No. 10350 D.S.T. No. 2 DATE 10-21-97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL 32

BOTTOM PACKERS AND ANCHOR .....

TOTAL TOOL 59

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands 1 Single 1 Total 93

TOTAL ASSEMBLY 152

D.C. ABOVE TOOLS.Stands12 Single Total 706

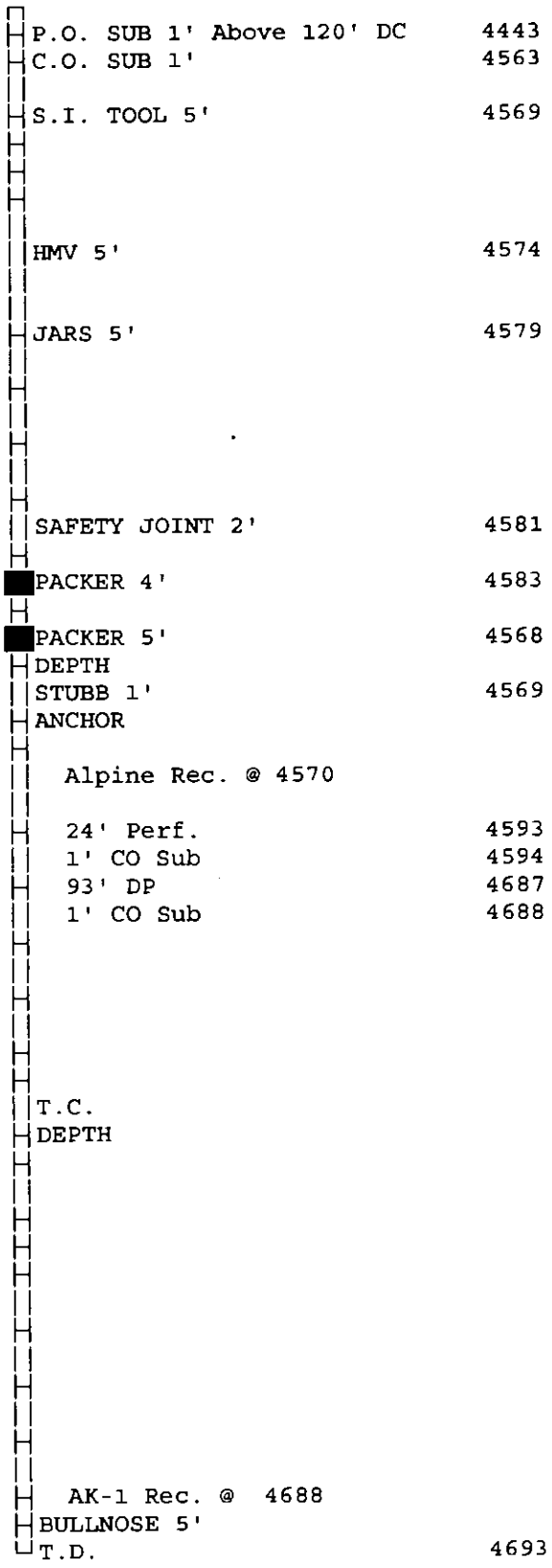
D.P. ABOVE TOOLS.Stands62 Single Total 3853

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4711

TOTAL DEPTH 4693

TOTAL DRILL PIPE ABOVE K.B. 18

REMARKS:



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10350 DST #2 Collingwood #1-2 CrossBar Pet.

DATE: 10/21/97 TIME: 00:35:19

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	155.00	2246.2	0.0	108.51		
****** Start Flow 1	0.00	19.6	0.0	108.79		
	1.00	20.7	1.1	108.96		
	2.00	21.5	1.8	109.11		
	3.00	22.6	2.9	109.25		
	4.00	23.9	4.3	109.36		
	5.00	25.6	6.0	109.46		
	6.00	27.3	7.6	109.54		
	7.00	28.3	8.6	109.62		
	8.00	29.3	9.7	109.68		
	9.00	30.1	10.5	109.75		
	10.00	30.9	11.2	109.81		
	11.00	31.7	12.1	109.86		
	12.00	33.0	13.3	109.90		
	13.00	34.2	14.6	109.96		
	14.00	35.0	15.4	110.01		
	15.00	35.9	16.3	110.06		
	16.00	37.2	17.5	110.11		
	17.00	38.6	19.0	110.16		
	18.00	39.6	20.0	110.21		
	19.00	40.4	20.8	110.25		
	20.00	41.3	21.7	110.31		
	21.00	42.2	22.6	110.36		
	22.00	43.2	23.6	110.41		
	23.00	44.5	24.8	110.47		
	24.00	45.6	26.0	110.52		
	25.00	46.7	27.1	110.58		
	26.00	47.8	28.2	110.64		
	27.00	48.9	29.3	110.69		
	28.00	50.1	30.5	110.77		
	29.00	51.7	32.1	110.83		
	30.00	52.7	33.1	110.89		
	31.00	53.3	33.7	110.97		
	32.00	54.4	34.7	111.04		
	33.00	55.5	35.8	111.12		
	34.00	56.2	36.6	111.20		
	35.00	57.1	37.5	111.27		
	36.00	58.1	38.4	111.35		
	37.00	58.9	39.3	111.43		
	38.00	59.9	40.3	111.51		
	39.00	60.8	41.2	111.59		
	40.00	61.7	42.0	111.68		
	41.00	62.8	43.1	111.77		
	42.00	63.7	44.1	111.85		
	43.00	64.6	45.0	111.94		
	44.00	65.4	45.7	112.04		
	45.00	66.4	46.7	112.13		
****** End Flow 1	46.00	67.2	47.6	112.23		
****** Start Shutin 1	0.00	67.2	0.0	112.23	0.0000	0.005
	1.00	152.7	85.5	112.33	47.0000	0.023
	2.00	406.8	339.6	112.45	24.0000	0.165

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10350 DST #2 Collingwood #1-2 CrossBar Pet.

DATE: 10/21/97 TIME: 00:35:19

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
3.00	630.0	562.7	112.57	16.3333	0.397
4.00	785.4	718.2	112.70	12.5000	0.617
5.00	887.0	819.8	112.84	10.2000	0.787
6.00	949.3	882.1	112.97	8.6667	0.901
7.00	979.4	912.2	113.10	7.5714	0.959
8.00	1002.2	935.0	113.23	6.7500	1.004
9.00	1018.0	950.7	113.36	6.1111	1.036
10.00	1030.4	963.2	113.49	5.6000	1.062
11.00	1040.7	973.5	113.61	5.1818	1.083
12.00	1049.8	982.5	113.73	4.8333	1.102
13.00	1057.6	990.3	113.84	4.5385	1.118
14.00	1064.6	997.4	113.94	4.2857	1.133
15.00	1070.9	1003.7	114.04	4.0667	1.147
16.00	1076.6	1009.4	114.15	3.8750	1.159
17.00	1081.8	1014.6	114.24	3.7059	1.170
18.00	1086.4	1019.2	114.33	3.5556	1.180
19.00	1090.9	1023.7	114.41	3.4211	1.190
20.00	1094.8	1027.6	114.48	3.3000	1.199
21.00	1098.6	1031.4	114.56	3.1905	1.207
22.00	1102.0	1034.8	114.63	3.0909	1.215
23.00	1105.3	1038.1	114.71	3.0000	1.222
24.00	1108.3	1041.0	114.78	2.9167	1.228
25.00	1111.1	1043.9	114.75	2.8400	1.235
26.00	1113.7	1046.5	114.90	2.7692	1.240
27.00	1116.1	1048.9	114.96	2.7037	1.246
28.00	1118.5	1051.3	115.02	2.6429	1.251
29.00	1120.8	1053.5	115.07	2.5862	1.256
30.00	1122.9	1055.6	115.12	2.5333	1.261
31.00	1124.9	1057.7	115.16	2.4839	1.265
32.00	1126.7	1059.5	115.22	2.4375	1.270
33.00	1128.7	1061.4	115.26	2.3939	1.274
34.00	1130.4	1063.2	115.30	2.3529	1.278
35.00	1132.1	1064.9	115.34	2.3143	1.282
36.00	1133.7	1066.5	115.38	2.2778	1.285
37.00	1135.2	1068.0	115.42	2.2432	1.289
38.00	1136.7	1069.5	115.46	2.2105	1.292
39.00	1138.1	1070.9	115.50	2.1795	1.295
40.00	1139.5	1072.3	115.53	2.1500	1.298
41.00	1140.8	1073.6	115.57	2.1220	1.301
42.00	1142.1	1074.9	115.60	2.0952	1.304
43.00	1143.3	1076.0	115.63	2.0698	1.307
44.00	1144.5	1077.3	115.66	2.0455	1.310
45.00	1145.6	1078.4	115.69	2.0222	1.312
46.00	1146.7	1079.5	115.72	2.0000	1.315
47.00	1147.9	1080.7	115.74	1.9787	1.318
48.00	1148.7	1081.5	115.77	1.9583	1.320
49.00	1149.8	1082.6	115.80	1.9388	1.322
50.00	1150.8	1083.6	115.83	1.9200	1.324
51.00	1151.8	1084.6	115.85	1.9020	1.327
52.00	1152.7	1085.4	115.88	1.8846	1.329
53.00	1153.6	1086.4	115.91	1.8679	1.331

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10350 DST #2 Collingwood #1-2 CrossBar Pet.

DATE: 10/21/97 TIME: 00:35:19

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	54.00	1154.5	1087.3	115.92	1.8519	1.333
	55.00	1155.3	1088.1	115.95	1.8364	1.335
	56.00	1156.1	1088.9	115.97	1.8214	1.337
	57.00	1156.9	1089.7	115.99	1.8070	1.339
	58.00	1157.6	1090.4	116.03	1.7931	1.340
	59.00	1158.4	1091.2	116.04	1.7797	1.342
****** End Shut-in 1	60.00	1159.1	1091.9	116.06	1.7667	1.344
****** Start Flow 2	0.00	68.6	0.0	116.15		
	1.00	68.6	0.0	116.31		
	2.00	69.3	0.8	116.46		
	3.00	70.2	1.7	116.59		
	4.00	71.4	2.9	116.68		
	5.00	72.6	4.0	116.76		
	6.00	73.7	5.1	116.82		
	7.00	74.9	6.4	116.87		
	8.00	76.1	7.6	116.90		
	9.00	76.8	8.2	116.93		
	10.00	77.7	9.1	116.96		
	11.00	78.5	9.9	116.97		
	12.00	79.3	10.7	116.99		
	13.00	80.1	11.6	117.00		
	14.00	81.1	12.5	117.01		
	15.00	81.8	13.3	117.02		
	16.00	82.8	14.3	117.04		
	17.00	83.6	15.0	117.05		
	18.00	84.5	15.9	117.07		
	19.00	85.3	16.7	117.08		
	20.00	86.0	17.5	117.09		
	21.00	86.9	18.4	117.11		
	22.00	87.7	19.1	117.14		
	23.00	88.4	19.8	117.16		
	24.00	89.1	20.6	117.18		
	25.00	89.9	21.3	117.21		
	26.00	90.8	22.2	117.23		
	27.00	91.5	22.9	117.27		
	28.00	92.3	23.8	117.30		
	29.00	93.2	24.7	117.34		
	30.00	94.1	25.5	117.37		
	31.00	94.9	26.4	117.40		
	32.00	95.7	27.1	117.44		
	33.00	96.4	27.9	117.48		
	34.00	97.3	28.8	117.52		
	35.00	98.2	29.6	117.57		
	36.00	98.9	30.3	117.60		
	37.00	99.7	31.1	117.65		
	38.00	100.5	32.0	117.70		
	39.00	101.3	32.7	117.74		
	40.00	102.0	33.5	117.79		
	41.00	103.1	34.5	117.84		
	42.00	104.1	35.6	117.88		
	43.00	105.2	36.6	117.93		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10350 DST #2 Collingwood #1-2 CrossBar Pet.

DATE: 10/21/97 TIME: 00:35:19

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** End Flow 2	44.00	106.2	37.7	117.98		
****** Start Shutin 2	0.00	106.2	0.0	117.98	0.0000	0.011
	1.00	253.6	147.4	118.03	91.0000	0.064
	2.00	505.8	399.6	118.10	46.0000	0.256
	3.00	692.4	586.2	118.18	31.0000	0.479
	4.00	818.1	711.9	118.26	23.5000	0.669
	5.00	896.8	790.6	118.34	19.0000	0.804
	6.00	942.8	836.6	118.42	16.0000	0.889
	7.00	970.2	864.0	118.49	13.8571	0.941
	8.00	988.3	882.1	118.57	12.2500	0.977
	9.00	1001.9	895.7	118.65	11.0000	1.004
	10.00	1013.1	906.8	118.71	10.0000	1.026
	11.00	1022.7	916.4	118.77	9.1818	1.046
	12.00	1031.0	924.8	118.83	8.5000	1.063
	13.00	1038.4	932.2	118.88	7.9231	1.078
	14.00	1045.1	938.9	118.93	7.4286	1.092
	15.00	1051.2	944.9	118.97	7.0000	1.105
	16.00	1056.7	950.5	119.01	6.6250	1.117
	17.00	1061.8	955.5	119.06	6.2941	1.127
	18.00	1066.5	960.2	119.10	6.0000	1.137
	19.00	1070.7	964.5	119.14	5.7368	1.146
	20.00	1074.7	968.4	119.16	5.5000	1.155
	21.00	1078.4	972.1	119.20	5.2857	1.163
	22.00	1081.8	975.6	119.23	5.0909	1.170
	23.00	1085.2	978.9	119.25	4.9130	1.178
	24.00	1088.1	981.9	119.29	4.7500	1.184
	25.00	1091.0	984.7	119.29	4.6000	1.190
	26.00	1093.7	987.4	119.33	4.4615	1.196
	27.00	1096.3	990.0	119.37	4.3333	1.202
	28.00	1098.7	992.4	119.39	4.2143	1.207
	29.00	1101.0	994.7	119.41	4.1034	1.212
	30.00	1103.2	997.0	119.43	4.0000	1.217
	31.00	1105.2	999.0	119.46	3.9032	1.222
	32.00	1107.4	1001.2	119.46	3.8125	1.226
	33.00	1109.3	1003.1	119.48	3.7273	1.231
	34.00	1111.2	1005.0	119.50	3.6471	1.235
	35.00	1113.0	1006.7	119.53	3.5714	1.239
	36.00	1114.6	1008.3	119.53	3.5000	1.242
	37.00	1116.2	1010.0	119.55	3.4324	1.246
	38.00	1117.8	1011.6	119.56	3.3684	1.250
	39.00	1119.3	1013.1	119.57	3.3077	1.253
	40.00	1120.8	1014.6	119.58	3.2500	1.256
	41.00	1122.3	1016.0	119.61	3.1951	1.259
	42.00	1123.7	1017.5	119.62	3.1429	1.263
	43.00	1124.9	1018.6	119.63	3.0930	1.265
	44.00	1126.2	1020.0	119.65	3.0455	1.268
	45.00	1127.4	1021.1	119.65	3.0000	1.271
	46.00	1128.7	1022.4	119.66	2.9565	1.274
	47.00	1129.8	1023.6	119.67	2.9149	1.277
	48.00	1131.1	1024.8	119.69	2.8750	1.279
	49.00	1132.2	1025.9	119.70	2.8367	1.282

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10350 DST #2 Collingwood #1-2 CrossBar Pet.

DATE: 10/21/97 TIME: 00:35:19

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	50.00	1133.3	1027.0	119.71	2.8000	1.284
	51.00	1134.4	1028.1	119.72	2.7647	1.287
	52.00	1135.5	1029.2	119.72	2.7308	1.289
	53.00	1136.4	1030.1	119.76	2.6981	1.291
	54.00	1137.4	1031.1	119.74	2.6667	1.294
	55.00	1138.3	1032.1	119.76	2.6364	1.296
	56.00	1139.3	1033.1	119.76	2.6071	1.298
	57.00	1140.2	1033.9	119.77	2.5789	1.300
	58.00	1141.1	1034.8	119.78	2.5517	1.302
****** End Shut-in 2	59.00	1142.0	1035.8	119.79	2.5254	1.304
****** Final Hydro.	370.00	2152.7	0.0	119.85		

TEST HISTORY

10350 DST #2 Collingwood #1-2 CrossBar Pet.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2246.15
B:	0.00	19.63
C:	46.00	67.22
D:	60.00	1159.12
E:	0.00	68.56
F:	44.00	106.24
G:	59.00	1142.00
Q:	0.00	2152.66

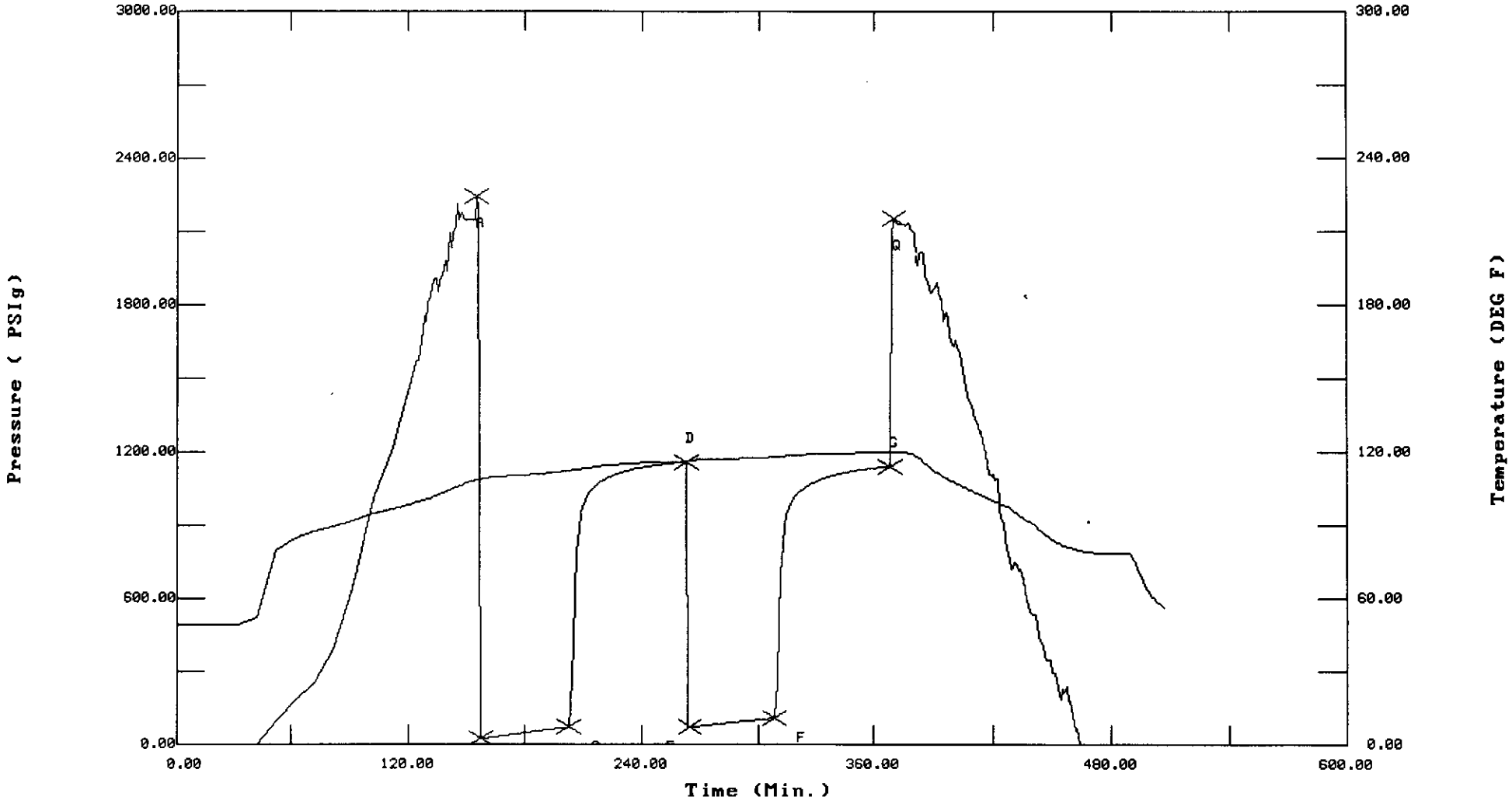
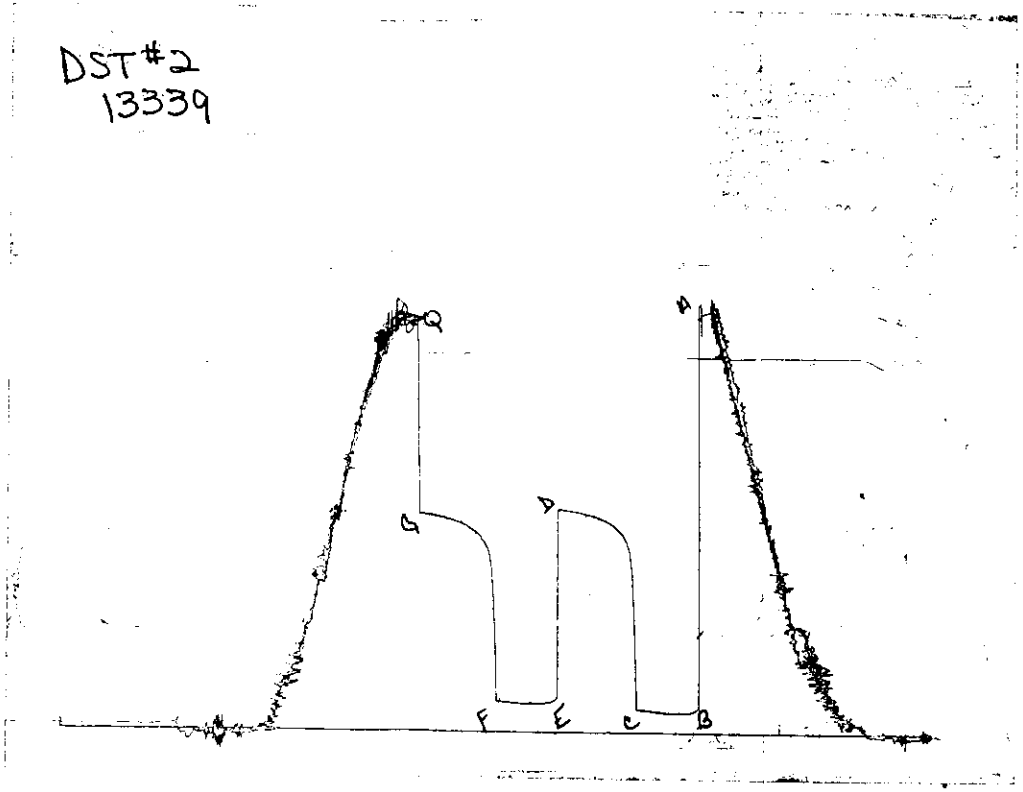


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Nº 10350

Well Name & No. Collingwood #1-2 Test No. 2 Date 10-21-97

Company Cross Bar Petroleum, Inc. Zone Tested Morrow - Miss

Address 1570 W. 21st St Bldg. 1014 Ste B. Wichita, KS. 67205 Elevation 2963 KB 2951 GL

Co. Rep / Geo. Steve Davis Cont. Cheyenne #5 Est. Ft. of Pay ____ Por. ____ %

Location: Sec. 2 Twp. 20S Rge. 33W Co. Scott State KS.

No. of Copies Nml. Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N) ____

Interval Tested 4568 - 4693 Initial Str Wt./Lbs. 85,000 Unseated Str Wt./Lbs. 85,000

Anchor Length 125' Wt. Set Lbs. 35,000 Wt. Pulled Loose/Lbs. 90,000

Top Packer Depth 4563 Tool Weight 2,000

Bottom Packer Depth 4568 Hole Size — 7 7/8" ____ Rubber Size — 6 3/4" ____

Total Depth 4693 Wt. Pipe Run — Drill Collar Run 706' 12

Mud Wt. 9.2 LCM ½# Vis. 53 WL 8.2 Drill Pipe Size 4½" XH Ft. Run 3853' 62

Blow Description IF: Surface blow built to ½" stayed steady thru.

ISI: No return blow.

FF: Surface return in 10 mins stayed steady thru.

FSI: No return blow.

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

Rec. ____	Feet Of ____	%gas	%oil	%water	%mud
Rec. 30'	Feet Of Drlg Mud	%gas	%oil	%water	%mud
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud
Rec. 180'	Feet Of Sulfer Water	%gas	%oil	%water	%mud
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud

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

RW .45 @ 60° °F Chlorides 17,000 ppm Recovery Chlorides 2,200 ppm System

(A) Initial Hydrostatic Mud	2273	2246 PSI	Recorder No.	2342	T-Started	0035
(B) First Initial Flow Pressure	104	19 PSI	(depth)	4570	T-Open	0313
(C) First Final Flow Pressure	124	67 PSI	Recorder No.	13339	T-Pulled	0643
(D) Initial Shut-in Pressure	1200	1159 PSI	(depth)	4688	T-Out	0805
(E) Second Initial Flow Pressure	155	68 PSI	Recorder No.	—		
(F) Second Final Flow Pressure	166	106 PSI	(depth)	—		
(G) Final Shut-in Pressure	1160	1142 PSI	Initial Opening	45	Test	
(H) Final Hydrostatic Mud	2223	2152 PSI	Initial Shut-in	60	Jars	X
	AK-1 Mech. Elec. ALP.		Final Flow	45	Safety Joint	X
			Final Shut-in	60	Straddle	
					Circ. Sub	X N/C
					Sampler	
					Extra Packer	
					Elect. Rec.	X
					Other	
					TOTAL PRICE $	

Approved By [signature]

Our Representative Rod Steinbrink