CONFIDENTIAL

ORIGINAL

Well Name:	CHANDLER CARROLL #1-19				
Company :	AMOCO PRODUCTION COMPANY				
Location - Sec:	19	**Twp:**	31S	**Rge:**	32W
County:	SEWARD	**State:**	KS		
Date:	11/23/95				

Computer Inventoried

KCC

MAR 1 2

CONFIDENTIAL

RELEASED

APR 6 1998

FROM CONFIDENTIAL

CONFIDENTIAL

TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : Amoco Production Co.
WELL NAME: Chandler Carroll #1-19
LOCATION : 19-31S-32W, Seward Cty KS
INTERVAL : 4875.00 To 4926.00 ft

DATE 11-21-95
KB 2876.00 ft
GR 2865.00 ft
TD 4926.00 ft

TICKET NO: 8614 DST #1
FORMATION: Marmaton
TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4
PF 10	Rec.	11038	11038	2341		
SI 60	Range(Psi)	5075.0	5075.0	4995.0	0.0	0.0
SF 120	Clock(hrs)	AK-1	AK-1	Alpin		
FS 120	Depth(ft)	4923.0	4923.0	4882.0	0.0	0.0

TIME DATA----------
PF Fr. 0232 to 0242 hr
IS Fr. 0242 to 0354 hr
SF Fr. 0354 to 0554 hr
FS Fr. 0554 to 0754 hr

	Field	1	2	3	4
A. Init Hydro	2310.0	2324.0	2450.0	0.0	0.0
B. First Flow	283.0	273.0	181.0	0.0	0.0
B1. Final Flow	230.0	204.0	155.0	0.0	0.0
C. In Shut-in	1524.0	1532.0	1520.0	0.0	0.0
D. Init Flow	203.0	198.0	135.0	0.0	0.0
E. Final Flow	136.0	142.0	117.0	0.0	0.0
F. Fl Shut-in	1461.0	1461.0	1456.0	0.0	0.0
G. Final Hydro	2182.0	2190.0	2271.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 0025 hr
T ON BOTM 0230 hr
T OPEN 0232 hr
T PULLED 0754 hr
T OUT 1035 hr

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

Tool Wt.	2000.00 l
Wt Set On Packer	27000.00 l
Wt Pulled Loose	95000.00 l
Initial Str Wt	82000.00 l
Unseated Str Wt	84000.00 l
Bot Choke	0.75 i
Hole Size	7.88 i
D Col. ID	2.25 i
D. Pipe ID	3.80 i
D.C. Length	667.00 f
D.P. Length	4213.00 f

RECOVERY
Tot Fluid 420.00 ft of 420.00 ft in DC and 0.00 ft in DP
420.00 ft of Gassy Mud- 8% Gas, 92% Mud

KCC
MAR 1 2
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SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

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

Mud Type	Chemical
Weight	9.10 l
Vis.	52.00 s
W.L.	8.40 i
F.C.	0.00 i
Mud Drop	
Amt. of fill	0.00 f
Btm. H. Temp.	119.00 F
Hole Condition	Good
% Porosity	0.00
Packer Size	6.75 i
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Mike McVey
Co. Rep.	Austin Gardner
Contr.	Cheyenne Drlg.
Rig #	4
Unit #	
Pump T.	

BLOW DESCRIPTION
Initial Blow -
Bottom of bucket in 30 sec, Gas to surface in 3 min, gas will burn

Initial Shutin -
Bled off, blew back in 6 min for entire shutin

Final Blow -
Bottom of bucket immediately; gas gauged

Final Shutin -
Bled off, no blow back

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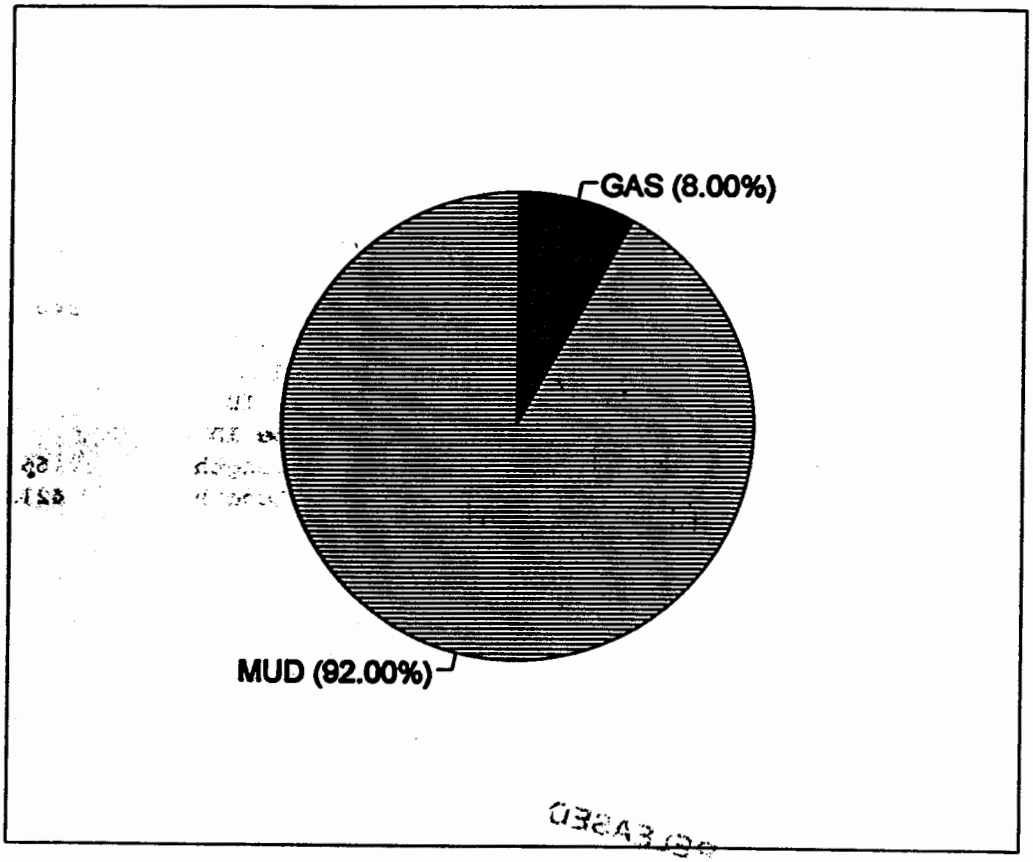
Test Successful: Y

CALCULATED RECOVERY ANALYSIS - DRILL COLLARS

DST # 1 TICKET # 8614

SAMPLE #	TOTAL FEET	GAS %	GAS FEET	OIL %	OIL FEET	WATER %	WATER FEET	MUD %	MUD FEET
1	420	8	33.6		0		0	92	386.4
2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	420	8.00	33.6	0.00	0	0.00	0	92	386.4

			HRS OPE	BBL/DAY
BBL OIL=	0	*	2.17	0
BBL WAT	0	*		0
BBL MUD	1.889496			
BBL GAS	0.164304			



GAS RECOVERY

COMPANY: Amoco Production Co. DATE: 11-21-95
WELL NAME: Chandler Carroll #1-19 KB Elev: 2876.00 ft TICKET #8614 DST #1
WELL LOCATION: 19-31S-32W, Seward Cty KS GR Elev: 2865.00 ft FORMATION: Marmaton
INTERVAL Fr.: 4875.00 To 4926.00 T.D.: 4926.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH 2" Merla gauge

***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	1.50	3	0	654000.0

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	1.50	4	0	764000.0
20	1.50	4	0	764000.0
30	1.50	4	0	709000.0
40	1.50	2	0	595000.0
50	1.50	2	0	595000.0
60	1.50	0	60	539000.0
70	1.50	0	60	539000.0
80	1.50	0	60	539000.0
90	1.50	0	60	539000.0
100	1.50	0	60	539000.0
110	1.50	0	60	539000.0
120	1.50	0	60	539000.0

THURMOND - McGLOTHLIN, INC
P. O. BOX 885 LIBERAL, KS 67901
(316) 626-4218

Fractional Analysis *

Components		Mol %	GPM
Carbon Dioxide	CO2	0.0306	
Nitrogen	N2	29.0710	
Methane	C1	57.2742	9.7180
Ethane	C2	4.3433	1.1553
Propane	C3	3.7061	1.0157
iso-Butane	IC4	0.7087	0.2306
n-Butane	NC4	1.8398	0.5769
iso-Pentane	IC5	0.6100	0.2220
n-Pentane	NC5	0.6654	0.2397
Hexane +	C6+	1.3773	0.5899
Helium	He	0.3736	
		100.0000	

Date Run: 28-Nov-95

Company: AMOCO PRODUCTION
Producer:
Lease: CHANDLER CARROLL 1-9
Station:
Pressure:
Temperature:
Cylinder No.: TRILOBITE
Analysis By: TM-LIBERAL
Secured By: TRILOBITE
Date Sampled: N/A
County, ST: SEWARD
Location: 19-31-32
H2S: N/A

Gasoline Content @ 14.65 Psia & 60 F

	GPM
Propane & Heavier	2.8748
Butane & Heavier	1.8591
Pentane & Heavier	1.0516

Remarks:
DST #1

Btu @ 14.65 Psia & 60 F

Dry	953.28
Wet	936.69

Results To:
TRILOBITE TEST
BOX 362
HAYS, KANSAS

SPECIFIC GRAVITY
0.8296

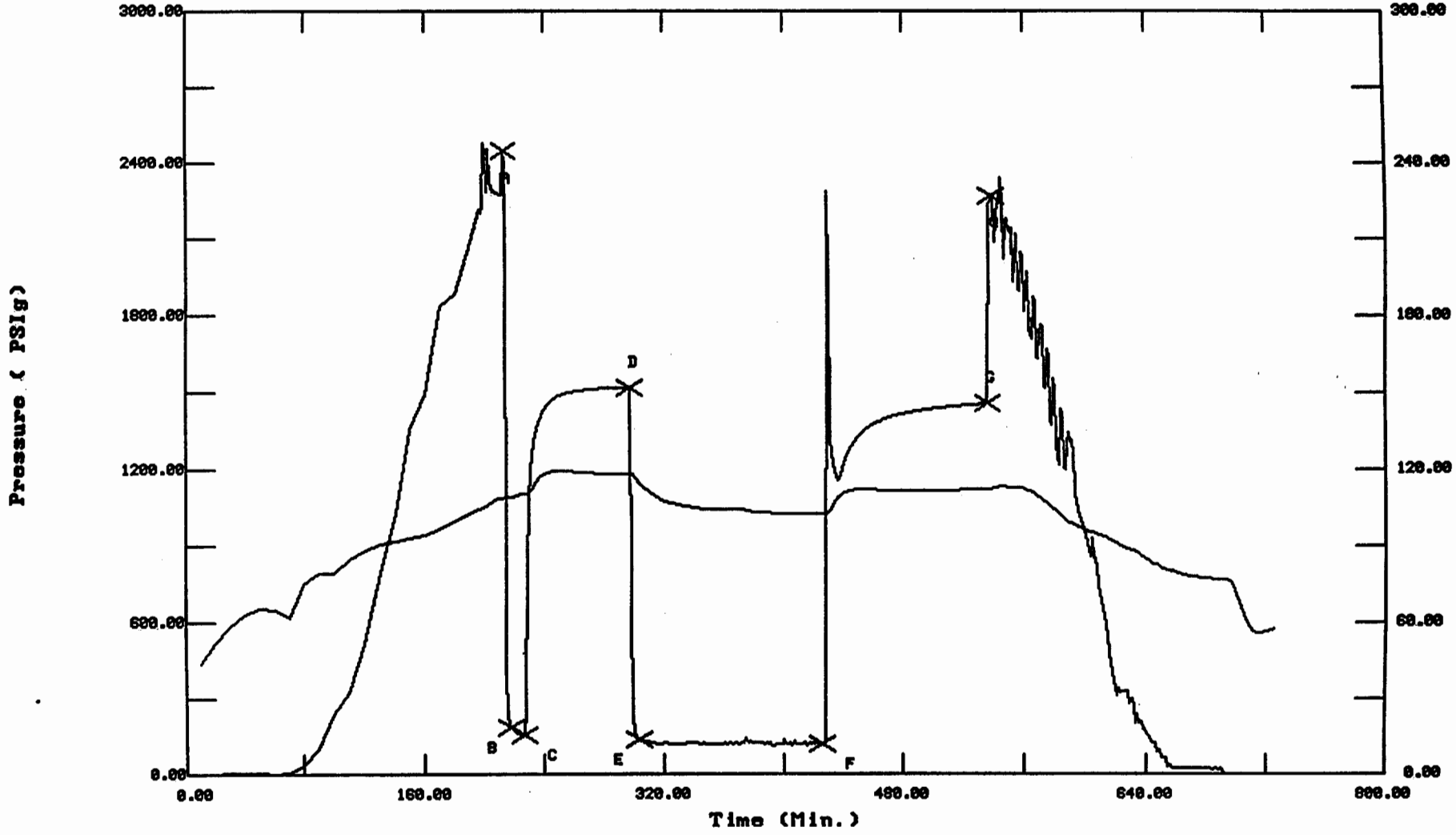
* Based on GPA 2145 & 2172

TEST HISTORY

88614, Amoco Production Co., Chandler-Carroll#1-19, DST#1

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2450.60
B:	0.00	181.36
C:	9.00	155.26
D:	71.00	1520.51
E:	0.00	135.70
F:	122.00	117.41
G:	110.00	1456.56
Q:	0.00	2271.58



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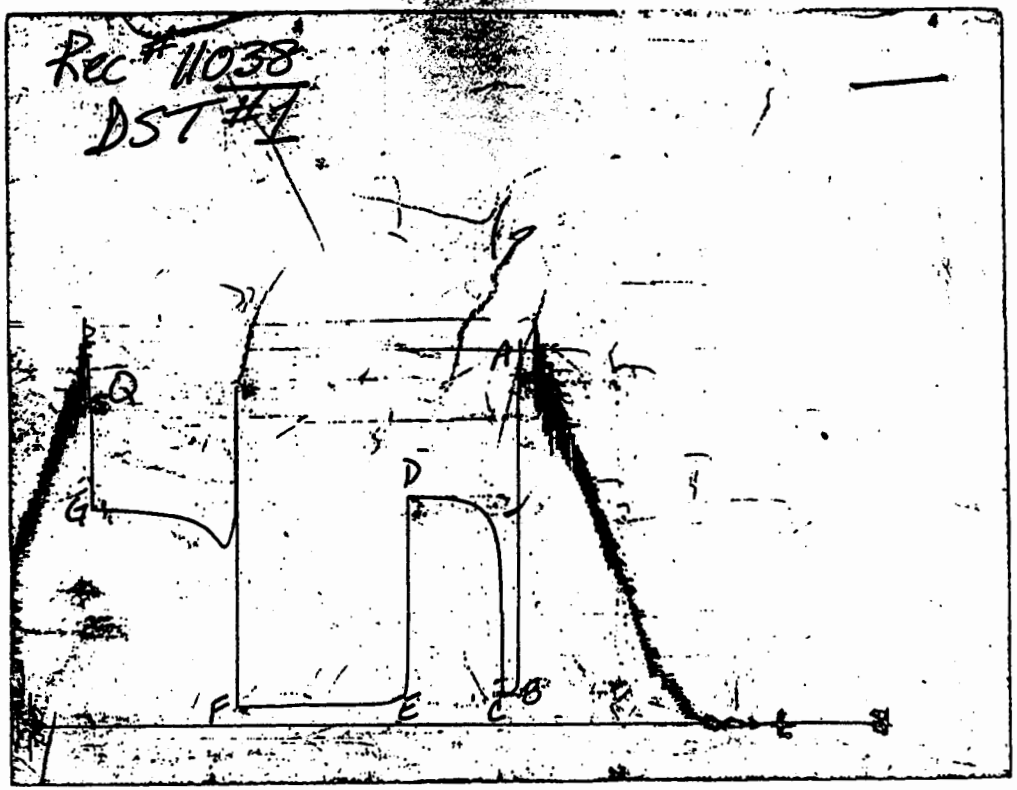


This is an actual photograph of recorder chart

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
[redacted],Amoco Production Co.,Chandler-Carroll#1-19,DST#1
DATE: 1/20/95 TIME: 22:59:51

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	213.00	2450.6	0.0	108.68		
****** Start Flow 1	0.00	181.4	0.0	109.04		
	1.00	178.7	-2.7	109.22		
	2.00	171.5	-9.8	109.40		
	3.00	165.2	-16.1	109.58		
	4.00	159.6	-21.7	109.76		
	5.00	159.5	-21.9	109.94		
	6.00	154.9	-26.4	110.12		
	7.00	157.8	-23.6	110.12		
	8.00	154.8	-26.5	110.30		
****** End Flow 1	9.00	155.3	-26.1	110.30		
****** Start Shutin 1	0.00	155.3	0.0	110.30	0.0000	0.024
	1.00	258.5	103.2	110.30	10.0000	0.067
	2.00	816.4	661.1	110.30	5.5000	0.666
	3.00	1077.5	922.3	110.66	4.0000	1.161
	4.00	1195.4	1040.1	111.38	3.2500	1.429
	5.00	1260.9	1105.7	112.28	2.8000	1.590
	6.00	1304.6	1149.3	113.36	2.5000	1.702
	7.00	1337.1	1181.9	114.44	2.2857	1.788
	8.00	1358.7	1203.4	115.34	2.1250	1.846
	9.00	1379.9	1224.7	116.06	2.0000	1.904
	10.00	1397.5	1242.2	116.78	1.9000	1.953
	11.00	1412.2	1257.0	117.32	1.8182	1.994
	12.00	1424.7	1269.4	117.68	1.7500	2.030
	13.00	1435.3	1280.1	118.04	1.6923	2.060
	14.00	1444.4	1289.1	118.40	1.6429	2.086
	15.00	1452.2	1296.9	118.58	1.6000	2.109
	16.00	1459.0	1303.7	118.76	1.5625	2.129
	17.00	1464.9	1309.6	118.94	1.5294	2.146
	18.00	1470.1	1314.8	119.12	1.5000	2.161
	19.00	1474.4	1319.2	119.12	1.4737	2.174
	20.00	1478.3	1323.0	119.12	1.4500	2.185
	21.00	1481.7	1326.5	119.12	1.4286	2.196
	22.00	1484.8	1329.5	119.12	1.4091	2.205
	23.00	1487.4	1332.1	119.30	1.3913	2.212
	24.00	1489.8	1334.5	119.30	1.3750	2.219
	25.00	1492.0	1336.7	119.30	1.3600	2.226
	26.00	1494.0	1338.7	119.12	1.3462	2.232
	27.00	1495.6	1340.3	119.12	1.3333	2.237
	28.00	1497.2	1341.9	119.12	1.3214	2.242
	29.00	1498.7	1343.4	119.12	1.3103	2.246
	30.00	1499.9	1344.7	119.12	1.3000	2.250
	31.00	1501.0	1345.8	119.12	1.2903	2.253
	32.00	1502.3	1347.0	119.12	1.2812	2.257
	33.00	1503.3	1348.0	118.94	1.2727	2.260
	34.00	1504.2	1349.0	118.94	1.2647	2.263
	35.00	1505.2	1350.0	118.94	1.2571	2.266
	36.00	1506.1	1350.8	118.94	1.2500	2.268
	37.00	1506.9	1351.7	118.94	1.2432	2.271
	38.00	1507.7	1352.4	118.76	1.2368	2.273
	39.00	1508.3	1353.1	118.76	1.2308	2.275

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
TEST: #8614,Amoco Production Co.,Chandler-Carroll#1-19,DST#1
DATE: 11/20/95 TIME: 22:59:51

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	40.00	1509.0	1353.8	118.76	1.2250	2.277
	41.00	1509.7	1354.4	118.76	1.2195	2.279
	42.00	1510.3	1355.0	118.76	1.2143	2.281
	43.00	1510.8	1355.5	118.58	1.2093	2.282
	44.00	1511.4	1356.1	118.58	1.2045	2.284
	45.00	1512.0	1356.7	118.58	1.2000	2.286
	46.00	1512.4	1357.1	118.58	1.1957	2.287
	47.00	1513.0	1357.7	118.58	1.1915	2.289
	48.00	1513.4	1358.1	118.40	1.1875	2.290
	49.00	1513.8	1358.5	118.40	1.1837	2.292
	50.00	1514.2	1359.0	118.40	1.1800	2.293
	51.00	1514.6	1359.4	118.40	1.1765	2.294
	52.00	1515.1	1359.8	118.40	1.1731	2.295
	53.00	1515.5	1360.2	118.40	1.1698	2.297
	54.00	1515.8	1360.6	118.40	1.1667	2.298
	55.00	1516.2	1361.0	118.40	1.1636	2.299
	56.00	1516.5	1361.2	118.22	1.1607	2.300
	57.00	1516.8	1361.6	118.22	1.1579	2.301
	58.00	1517.1	1361.8	118.22	1.1552	2.302
	59.00	1517.4	1362.1	118.22	1.1525	2.303
	60.00	1517.7	1362.5	118.22	1.1500	2.304
	61.00	1518.1	1362.8	118.22	1.1475	2.305
	62.00	1518.2	1363.0	118.22	1.1452	2.305
	63.00	1518.6	1363.3	118.22	1.1429	2.306
	64.00	1518.8	1363.6	118.22	1.1406	2.307
	65.00	1519.1	1363.8	118.22	1.1385	2.308
	66.00	1519.3	1364.1	118.04	1.1364	2.308
	67.00	1519.6	1364.3	118.04	1.1343	2.309
	68.00	1519.8	1364.5	118.04	1.1324	2.310
	69.00	1520.1	1364.8	118.04	1.1304	2.311
	70.00	1520.3	1365.0	118.04	1.1286	2.311
****** End Shut-in 1	71.00	1520.5	1365.3	118.04	1.1268	2.312
****** Start Flow 2	0.00	135.7	0.0	114.80		
	1.00	138.6	2.9	114.08		
	2.00	135.4	-0.3	113.36		
	3.00	131.8	-3.9	112.82		
	4.00	129.8	-5.9	112.28		
	5.00	129.5	-6.2	111.92		
	6.00	127.8	-7.9	111.38		
	7.00	124.5	-11.2	111.02		
	8.00	125.0	-10.7	110.48		
	9.00	122.8	-12.9	110.12		
	10.00	120.8	-14.9	109.58		
	11.00	119.7	-16.0	109.22		
	12.00	118.3	-17.4	108.86		
	13.00	120.6	-15.1	108.50		
	14.00	118.7	-17.0	108.14		
	15.00	117.6	-18.1	107.96		
	16.00	121.4	-14.3	107.60		
	17.00	120.8	-14.9	107.42		
	18.00	123.7	-12.0	107.06		

SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

Amoco Production Co.,Chandler-Carroll#1-19,DST#1

TIME: 22:59:51

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
19.00	120.6	-15.1	106.88		
20.00	120.3	-15.4	106.88		
21.00	118.6	-17.1	106.70		
22.00	117.9	-17.8	106.52		
23.00	119.0	-16.7	106.52		
24.00	118.2	-17.5	106.34		
25.00	120.3	-15.4	106.34		
26.00	117.7	-18.0	106.16		
27.00	117.6	-18.1	105.98		
28.00	119.7	-16.0	105.80		
29.00	119.8	-15.9	105.80		
30.00	120.0	-15.7	105.62		
31.00	121.5	-14.2	105.44		
32.00	122.1	-13.6	105.44		
33.00	121.8	-13.9	105.26		
34.00	122.7	-13.0	105.26		
35.00	121.4	-14.3	105.08		
36.00	121.9	-13.8	105.08		
37.00	122.7	-13.0	104.90		
38.00	121.5	-14.2	104.90		
39.00	121.7	-14.0	104.72		
40.00	118.2	-17.5	104.72		
41.00	120.3	-15.4	104.54		
42.00	120.0	-15.7	104.54		
43.00	123.1	-12.6	104.54		
44.00	120.0	-15.7	104.36		
45.00	119.0	-16.7	104.36		
46.00	120.6	-15.1	104.36		
47.00	119.8	-15.9	104.36		
48.00	119.3	-16.4	104.36		
49.00	119.6	-16.1	104.36		
50.00	118.7	-17.0	104.36		
51.00	118.3	-17.4	104.36		
52.00	118.2	-17.5	104.36		
53.00	117.6	-18.1	104.36		
54.00	119.3	-16.4	104.36		
55.00	119.0	-16.7	104.36		
56.00	119.0	-16.7	104.36		
57.00	121.1	-14.6	104.18		
58.00	120.5	-15.2	104.18		
59.00	119.9	-15.8	104.18		
60.00	120.8	-14.9	104.18		
61.00	121.4	-14.4	104.18		
62.00	120.1	-15.6	104.18		
63.00	120.6	-15.1	104.18		
64.00	121.3	-14.4	104.18		
65.00	121.1	-14.6	104.18		
66.00	119.7	-16.0	104.18		
67.00	119.4	-16.3	104.18		
68.00	124.5	-11.2	104.00		
69.00	122.9	-12.8	104.00		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
TEST: #8614,Amoco Production Co.,Chandler-Carroll#1-19,DST#1
DATE: 11/20/95 TIME: 22:59:51

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
70.00	121.1	-14.6	104.00		
71.00	144.5	8.8	103.82		
72.00	127.7	-8.0	103.82		
73.00	122.9	-12.8	103.64		
74.00	129.0	-6.7	103.46		
75.00	126.1	-9.7	103.28		
76.00	123.4	-12.3	103.28		
77.00	124.8	-10.9	103.10		
78.00	122.2	-13.5	103.10		
79.00	126.6	-9.1	103.10		
80.00	121.5	-14.2	103.10		
81.00	123.2	-12.5	103.10		
82.00	121.4	-14.4	103.10		
83.00	117.7	-18.0	102.92		
84.00	115.0	-20.7	102.92		
85.00	124.0	-11.7	102.92		
86.00	117.8	-17.9	102.92		
87.00	120.8	-14.9	102.92		
88.00	114.0	-21.7	102.74		
89.00	114.5	-21.2	102.74		
90.00	114.0	-21.7	102.74		
91.00	118.7	-17.0	102.74		
92.00	119.0	-16.7	102.56		
93.00	119.2	-16.5	102.56		
94.00	117.8	-17.9	102.56		
95.00	119.2	-16.5	102.56		
96.00	117.3	-18.4	102.56		
97.00	134.6	-1.1	102.38		
98.00	120.8	-14.9	102.38		
99.00	118.8	-16.9	102.38		
100.00	117.7	-18.0	102.38		
101.00	121.0	-14.7	102.38		
102.00	114.0	-21.7	102.38		
103.00	115.5	-20.2	102.38		
104.00	127.1	-8.6	102.38		
105.00	118.0	-17.7	102.38		
106.00	117.2	-18.5	102.38		
107.00	114.8	-20.9	102.38		
108.00	117.8	-17.9	102.38		
109.00	118.7	-17.0	102.38		
110.00	120.9	-14.8	102.38		
111.00	125.7	-10	102.38		
112.00	114.2	-21.5	102.38		
113.00	116.7	-19.1	102.38		
114.00	120.9	-14.8	102.38		
115.00	115.2	-20.5	102.38		
116.00	121.7	-14.0	102.38		
117.00	116.2	-19.5	102.38		
118.00	121.4	-14.4	102.38		
119.00	115.6	-20.1	102.38		
120.00	117.4	-18.3	102.38		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
TEST: Amoco Production Co.,Chandler-Carroll#1-19,DST#1
DATE: 11/20/95 TIME: 22:59:51

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	121.00	117.7	-18.0	102.38		
****** End Flow 2	122.00	117.4	-18.3	102.38		
****** Start Shutin 2	0.00	117.4	0.0	102.38	0.0000	0.014
	1.00	121.1	3.7	102.38	132.0000	0.015
	2.00	124.5	7.0	102.38	66.5000	0.015
	3.00	2284.1	2166.7	102.38	44.6667	5.217
	4.00	1946.9	1829.5	102.92	33.7500	3.790
	5.00	1327.1	1209.7	103.82	27.2000	1.761
	6.00	1268.2	1150.8	105.08	22.8333	1.608
	7.00	1225.8	1108.4	106.16	19.7143	1.502
	8.00	1195.4	1078.0	107.06	17.3750	1.429
	9.00	1173.0	1055.6	107.96	15.5556	1.376
	10.00	1157.0	1039.6	108.86	14.1000	1.339
	11.00	1160.5	1043.1	109.40	12.9091	1.347
	12.00	1184.0	1066.6	109.94	11.9167	1.402
	13.00	1206.5	1089.0	110.30	11.0769	1.456
	14.00	1225.3	1107.8	110.66	10.3571	1.501
	15.00	1241.7	1124.3	111.02	9.7333	1.542
	16.00	1256.3	1138.9	111.20	9.1875	1.578
	17.00	1269.2	1151.8	111.38	8.7059	1.611
	18.00	1281.1	1163.7	111.56	8.2778	1.641
	19.00	1291.6	1174.2	111.74	7.8947	1.668
	20.00	1301.3	1183.9	111.74	7.5500	1.693
	21.00	1310.0	1192.6	111.92	7.2381	1.716
	22.00	1318.1	1200.7	111.92	6.9545	1.737
	23.00	1325.4	1208.0	111.92	6.6957	1.757
	24.00	1332.3	1214.9	111.92	6.4583	1.775
	25.00	1338.4	1221.0	111.92	6.2400	1.791
	26.00	1344.1	1226.7	111.92	6.0385	1.807
	27.00	1349.4	1232.0	111.92	5.8519	1.821
	28.00	1354.3	1236.8	111.92	5.6786	1.834
	29.00	1358.8	1241.4	112.10	5.5172	1.846
	30.00	1363.1	1245.7	111.92	5.3667	1.858
	31.00	1367.0	1249.6	111.92	5.2258	1.869
	32.00	1370.5	1253.1	111.92	5.0938	1.878
	33.00	1373.9	1256.5	111.92	4.9697	1.888
	34.00	1377.2	1259.8	111.92	4.8529	1.897
	35.00	1380.2	1262.8	111.92	4.7429	1.905
	36.00	1383.0	1265.6	111.74	4.6389	1.913
	37.00	1385.7	1268.3	111.74	4.5405	1.920
	38.00	1388.2	1270.8	111.74	4.4474	1.927
	39.00	1390.8	1273.4	111.74	4.3590	1.934
	40.00	1393.0	1275.6	111.74	4.2750	1.941
	41.00	1395.2	1277.8	111.74	4.1951	1.947
	42.00	1397.3	1279.9	111.74	4.1190	1.952
	43.00	1399.4	1282.0	111.74	4.0465	1.958
	44.00	1401.2	1283.8	111.74	3.9773	1.963
	45.00	1403.0	1285.6	111.56	3.9111	1.968
	46.00	1404.8	1287.4	111.56	3.8478	1.973
	47.00	1406.5	1289.1	111.56	3.7872	1.978
	48.00	1408.1	1290.7	111.56	3.7292	1.983

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: #8614,Amoco Production Co.,Chandler-Carroll#1-19,DST#1

DATE: 11/20/95 TIME: 22:59:51

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
49.00	1409.7	1292.3	111.56	3.6735	1.987
50.00	1411.2	1293.8	111.56	3.6200	1.992
51.00	1412.7	1295.3	111.56	3.5686	1.996
52.00	1413.9	1296.5	111.56	3.5192	1.999
53.00	1415.4	1297.9	111.56	3.4717	2.003
54.00	1416.7	1299.3	111.56	3.4259	2.007
55.00	1418.0	1300.6	111.56	3.3818	2.011
56.00	1419.2	1301.8	111.56	3.3393	2.014
57.00	1420.3	1302.9	111.56	3.2982	2.017
58.00	1421.6	1304.2	111.56	3.2586	2.021
59.00	1422.7	1305.3	111.56	3.2203	2.024
60.00	1423.7	1306.3	111.56	3.1833	2.027
61.00	1424.8	1307.4	111.56	3.1475	2.030
62.00	1425.8	1308.4	111.56	3.1129	2.033
63.00	1426.9	1309.5	111.56	3.0794	2.036
64.00	1427.9	1310.5	111.56	3.0469	2.039
65.00	1428.9	1311.5	111.56	3.0154	2.042
66.00	1429.8	1312.4	111.56	2.9848	2.044
67.00	1430.8	1313.4	111.56	2.9552	2.047
68.00	1431.7	1314.3	111.56	2.9265	2.050
69.00	1432.6	1315.1	111.56	2.8986	2.052
70.00	1433.4	1316.0	111.56	2.8714	2.055
71.00	1434.2	1316.8	111.56	2.8451	2.057
72.00	1435.1	1317.7	111.56	2.8194	2.059
73.00	1435.8	1318.4	111.56	2.7945	2.062
74.00	1436.6	1319.2	111.56	2.7703	2.064
75.00	1437.3	1319.9	111.56	2.7467	2.066
76.00	1438.1	1320.7	111.56	2.7237	2.068
77.00	1438.8	1321.4	111.74	2.7013	2.070
78.00	1439.6	1322.2	111.74	2.6795	2.072
79.00	1440.3	1322.9	111.74	2.6582	2.074
80.00	1440.9	1323.5	111.74	2.6375	2.076
81.00	1441.6	1324.2	111.74	2.6173	2.078
82.00	1442.4	1325.0	111.74	2.5976	2.080
83.00	1443.0	1325.6	111.74	2.5783	2.082
84.00	1443.6	1326.2	111.74	2.5595	2.084
85.00	1444.1	1326.7	111.74	2.5412	2.086
86.00	1444.9	1327.5	111.74	2.5233	2.088
87.00	1445.4	1328.0	111.74	2.5057	2.089
88.00	1446.1	1328.7	111.74	2.4886	2.091
89.00	1446.7	1329.3	111.74	2.4719	2.093
90.00	1447.2	1329.8	111.74	2.4556	2.095
91.00	1447.9	1330.5	111.74	2.4396	2.096
92.00	1448.3	1330.9	111.92	2.4239	2.098
93.00	1448.8	1331.4	111.92	2.4086	2.099
94.00	1449.5	1332.1	111.92	2.3936	2.101
95.00	1449.9	1332.5	111.92	2.3789	2.102
96.00	1450.4	1333.0	111.92	2.3646	2.104
97.00	1450.9	1333.5	111.92	2.3505	2.105
98.00	1451.4	1333.9	111.92	2.3367	2.106
99.00	1451.9	1334.5	111.92	2.3232	2.108

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
TEST: 7351 Amoco Production Co.,Chandler-Carroll#1-19,DST#1
DATE: 11/20/95 TIME: 22:59:51

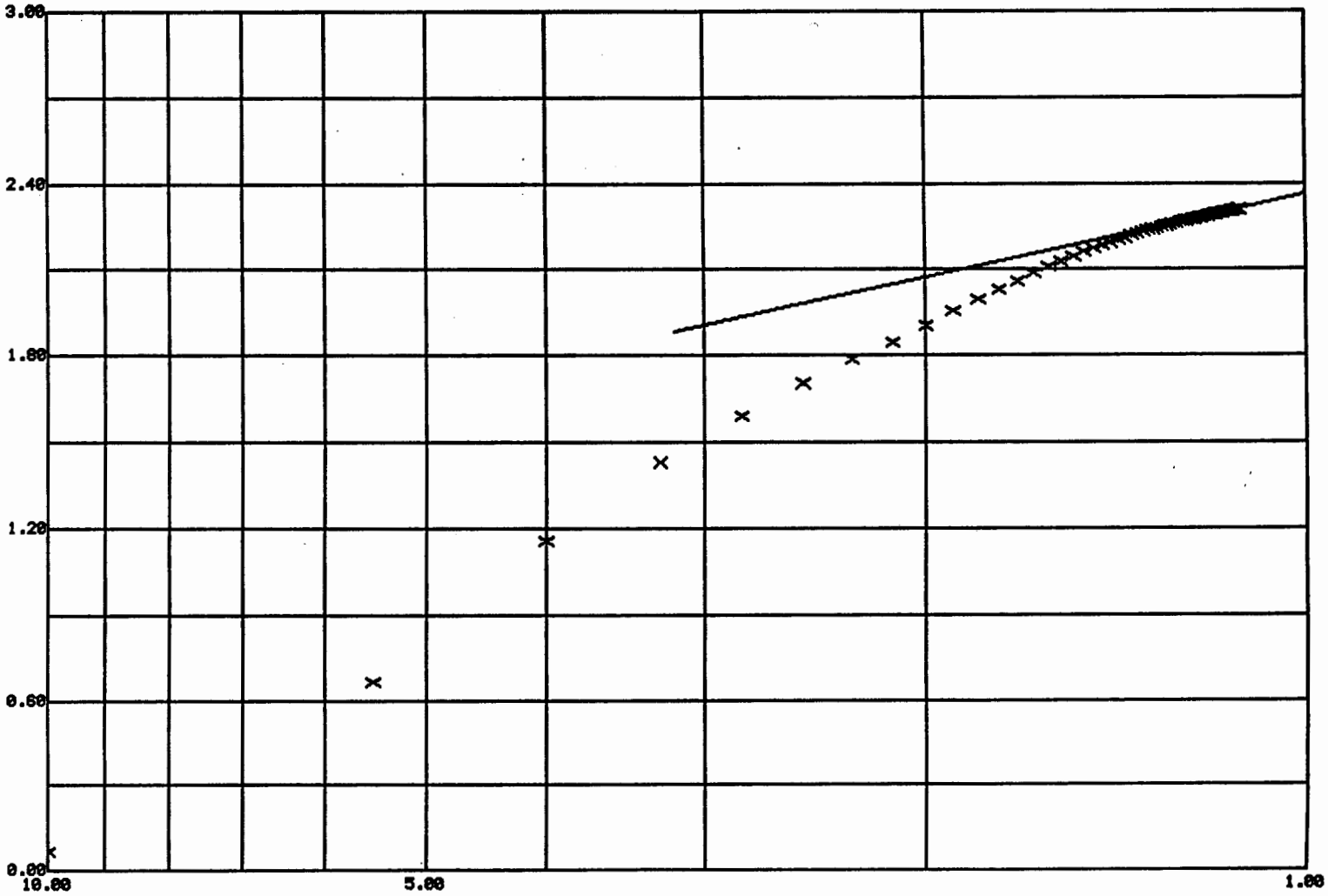
	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	100.00	1452.4	1335.0	111.92	2.3100	2.109
	101.00	1452.8	1335.4	111.92	2.2970	2.111
	102.00	1453.3	1335.9	111.92	2.2843	2.112
	103.00	1453.7	1336.3	111.92	2.2718	2.113
	104.00	1454.3	1336.9	112.10	2.2596	2.115
	105.00	1454.5	1337.1	112.10	2.2476	2.116
	106.00	1455.0	1337.6	112.10	2.2358	2.117
	107.00	1455.4	1338.0	112.10	2.2243	2.118
	108.00	1455.8	1338.4	112.10	2.2130	2.119
	109.00	1456.3	1338.9	112.10	2.2018	2.121
****** End Shut-in 2	110.00	1456.6	1339.2	112.10	2.1909	2.122
****** Final Hydro.	539.00	2271.6	0.0	112.28		

P^2 Horner Plot: shut-in #1

#8614, Amoco Production Co., Chandler-Carroll#1-19, DST#1

Slope: 0.9583 PSIg^2/10^6/cycle

Ext. Pressure: 1536.7437 PSIg

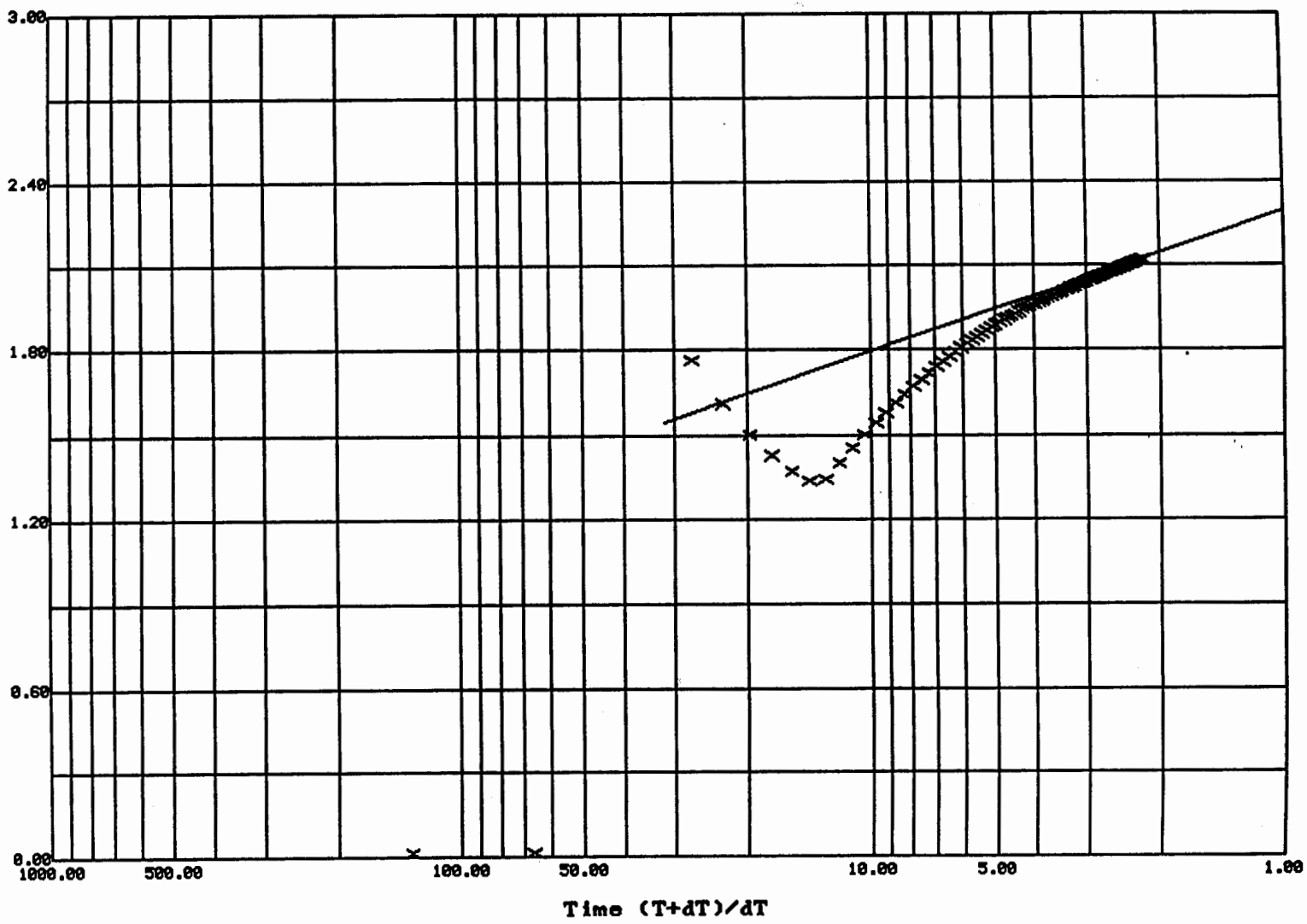


P^2 Horner Plot: shut-in #2

#8614,Amoco Production Co.,Chandler-Carroll#1-19,DST#1

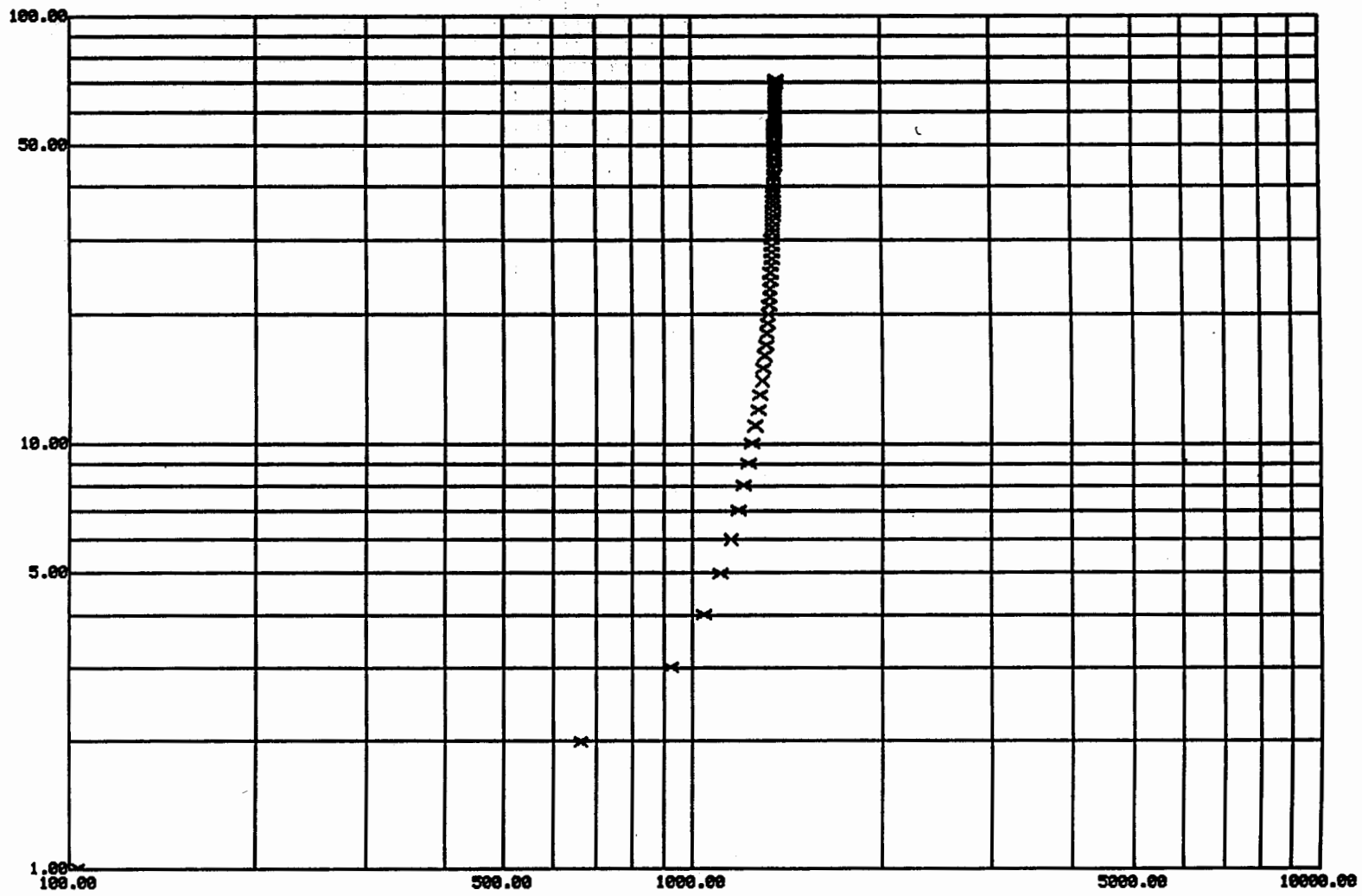
Slope: 0.4987 PSIg^2/10^6/cycle

Ext. Pressure: 1513.7781 PSIg



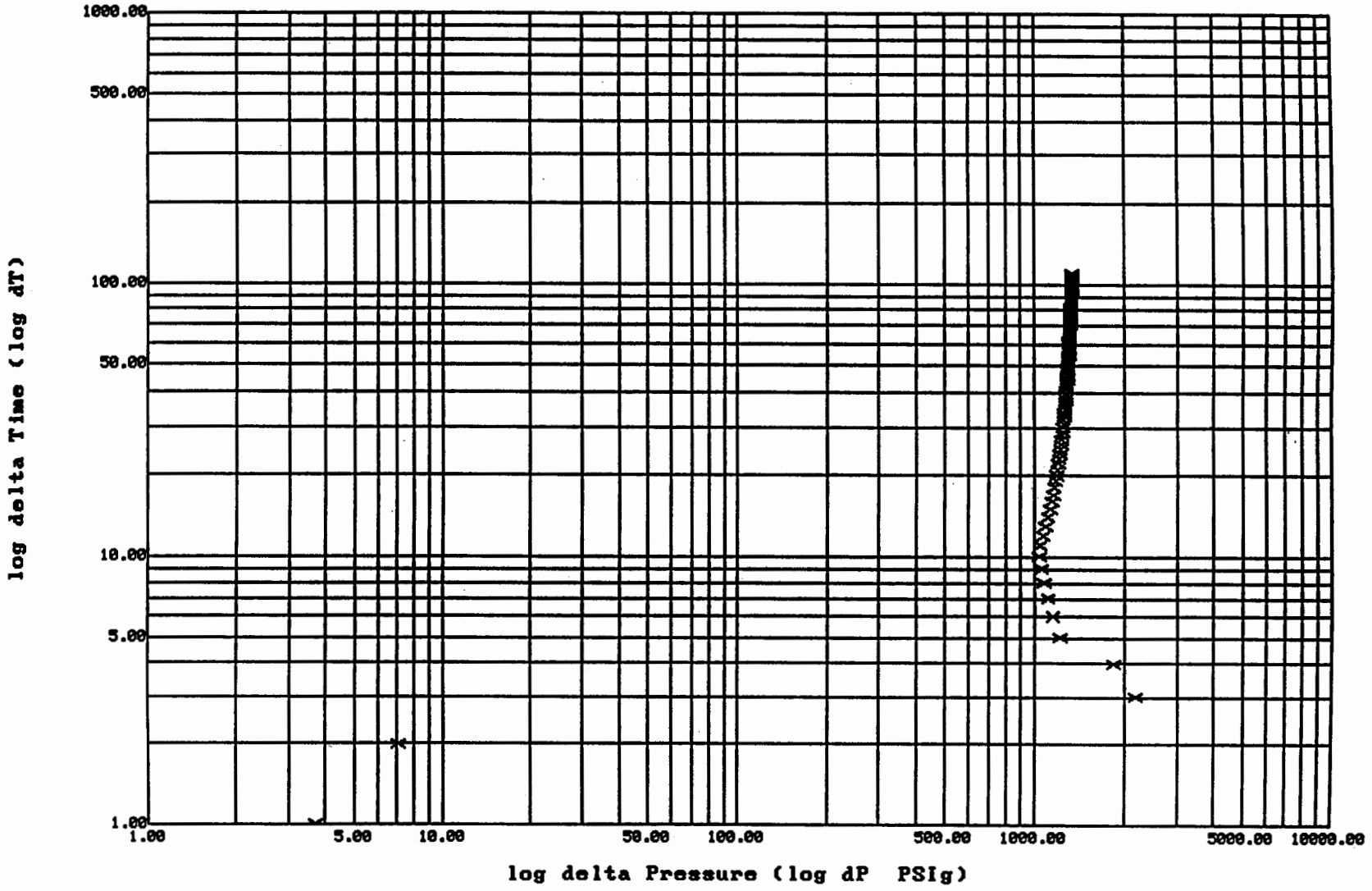
McKinley Plot: shut-in #1

#8614, Amoco Production Co., Chandler-Carroll#1-19, DST#1



McKinley Plot: shut-in #2

#8614,Amoco Production Co.,Chandler-Carroll#1-19,DST#1



*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Chandler Carroll #1-19

LOCATION : 19-31S-32W, Seward Cty KS

TICKET No. 8614 D.S.T. No. 1 DATE 11-21-95

TOTAL TOOL TO BOTTOM OF TOP PACKERS 30

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR 20

TOTAL TOOL 50

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 31

TOTAL ASSEMBLY 81

D.C. ABOVE TOOLS.Stands11 Single Total 667

D.P. ABOVE TOOLS.Stands66 Single 1 Total 4182

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4930

TOTAL DEPTH 4926

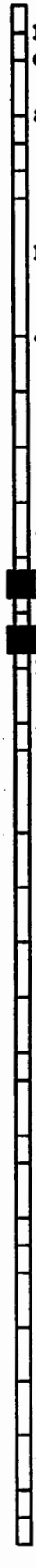
TOTAL DRILL PIPE ABOVE K.B. 4

REMARKS:

FLUID SAMPLER DATA

SAMPLER RECOVERY -
Gas 6 cu ft, Mud 3680 ml, Pressure 350 PSI,
Total 4000 ml

PIT MUD ANALYSIS -
Chlorides 2900 ppm, Viscosity 52,
Mud Wt 9.1, Filtrate 8.4, LCM 4#



P.O. SUB 90' up in D.C.: 1'	4755
C.O. SUB Dbl. pin: 1'	4845
S.I. TOOL 5'	4851
Sampler: 3'	4854
HMV 5'	4859
JARS 5'	4864
SAFETY JOINT 2'	4866
PACKER Top 5'	4870
PACKER Bottom 4'	4875
DEPTH 4875	
STUBB 1'	4876
ANCHOR	
3' perf.	4879
1' perf.	4880
Alpine recorder	4882
31' jt of d.p.	4911
T.C.	
DEPTH	
5' perf.	4916
5' perf.	4921
BULLNOSE 5' perf. Bull plub	
T.D.	4926

TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. #8614 Date 11-21-95

Company Name Amoco Production Co.

Lease Chandler Carroll #1-19 Test No. #1

County Seward Ks. Sec. 19 Twp. 31S Rng. 32W

SAMPLER RECOVERY

Gas 3206 cuft ML

Oil ML

Mud 3680 ML

Water ML

Other ML

Pressure 350 PSI

Total 4000 ML

PIT MUD ANALYSIS

Chlorides 2900 ppm.

Resistivity ohms @ F

Viscosity 52

Mud Weight 9.1

Filtrate 8.4

Other 4# LCM

SAMPLER ANALYSIS

Resistivity ohms @ F

Chlorides ppm.

Gravity corrected @ 60 F

PIPE RECOVERY

TOP

Resistivity ohms @

Chlorides ppm

MIDDLE

Resistivity ohms @

Chlorides ppm

BOTTOM

Resistivity ohms @

Chlorides ppm

TRILOBITE TESTING

P.O. Box 362 • Hays, Kansas 67601 • (913) 625-4778

GAS VOLUME REPORT

Imoco Production Co (OPERATOR) Chandler Carroll #1-19 (WELL NAME AND NO.) #1 (DST NO.)

Min.	~~Ins. of Water~~ PSIG	Orifice Size	MCF/D	Min.	~~Ins. of Water~~ PSIG	Orifice Size	MCF/D
0	3	1½"	654	10	4	1½"	764
				20	4	1½"	764
				30	3.5	1½"	709
				40	2.5	1½"	595
				50	2.5	1½"	595
				60	60" H_2O	1½"	539
				70	60"	1½"	539
				80	60"	1½"	539
				90	60"	1½"	539
				100	60"	1½"	539
				110	60"	1½"	539
				120	60"	1½"	539

Remarks: GTS in 3 min
Gas will burn

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No. 8614

Well Name & No. Chandler Carroll #1-19 Test No. #1 Date 11-20-95

Company Amoco Production Co. Zone Tested Marmaton

Address P.O.Box 800 Rm #924 Denver, Colo 80201 Elevation 2876 KB 2865 GL

Co. Rep / Geo. Austin Gardner Cont. Cheyenne Drlg. Rig #4 Est. Ft. of Pay ___ Por. ___ %

Location: Sec. 19 Twp. 31S Rge. 32W Co. Seward State Ks

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

Interval Tested 4875 to 4926 Initial Str Wt./Lbs. 82,000 Unseated Str Wt./Lbs. 84,000

Anchor Length 51' Wt. Set Lbs. 27,000 Wt. Pulled Loose/Lbs. 95,000

Top Packer Depth 4871 Hole Size — 7 7/8" ___ Rubber Size — 6 3/4" ___

Bottom Packer Depth 4875 Wt. Pipe I.D. — 2.7 Ft. Run ___

Total Depth 4926 Drill Collar — 2.25 Ft. Run 667

Mud Wt. 9.1 LCM 4# Vis. 52 WL 8.4 Drill Pipe Size 4½FH-3.7ID Ft. Run 4243

Blow Description I.F. - B.O.B. in 30sec, G.T.S. in 3min - gauge at Merla
I.S.I. - Bled off, blew back in 6min +/- entire shut-in
F.F. - B.O.B. immediatly - gauge at Merla
F.S.I. - Bled off, no blow back

Recovery — Total Feet 420 Ft. in DC 420 Ft. in WP — Ft. in DP —

Rec.	420	Feet Of	Gassy Mud	8 %gas	%oil	%water 92	%mud
Rec.		Feet Of		%gas	%oil	%water	%mud
Rec.		Feet Of		%gas	%oil	%water	%mud
Rec.		Feet Of		%gas	%oil	%water	%mud
Rec.		Feet Of		%gas	%oil	%water	%mud

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

RW ___ @ ___ °F Chlorides ___ ppm Recovery Chlorides 2900 ppm System

(A) Initial Hydrostatic Mud	2450 / 2310 PSI	Recorder No.	Alpine	T-Started	00:25
(B) First Initial Flow Pressure	181 / 283 PSI	@ (depth)	4882	T-Open	02:32
(C) First Final Flow Pressure	155 / 230 PSI	Recorder No.	11038	T-Pulled	07:56
(D) Initial Shut-in Pressure	1520 / 1524 PSI	@ (depth)	4923	T-Out	10:35
(E) Second Initial Flow Pressure	135 / 203 PSI	Recorder No.	—		
(F) Second Final Flow Pressure	117 / 136 PSI	@ (depth)	—		
(G) Final Shut-in Pressure	1456 / 1461 PSI	Initial Opening	10	Test	Conventional 6.00
(H) Final Hydrostatic Mud	2271 / 2182 PSI	Initial Shut-in	60	Jars	✓ 200
		Final Flow	120	Safety Joint	✓ 50
		Final Shut-in	120	Straddle	___
				Circ. Sub	✓ N/C
				Sampler	✓ 200
				Extra Packer	___
				Elect. Rec.	✓ 150
				Other	___
				TOTAL PRICE $	1200

al shut

Alpine AK-1

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 LEFT IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Austin Gardner

Our Representative Mike McCoy

TRILOBITE TESTING L.L.C.

OPERATOR : Amoco Production Company
WELL NAME: Chandler Carrol #1-19
LOCATION : 19-31S-32W, Seward Cty KS
INTERVAL : 5484.00 To 5588.00 ft

DATE 11-23-95
KB 2876.00 ft
GR 2865.00 ft
TD 5588.00 ft

TICKET NO: 8262 DST #2
FORMATION: Lwr. Morrow
TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4
PF 10	Rec.	2836	2836	2350		
SI 60	Range(Psi)	3500.0	3500.0	4995.0	0.0	0.0
SF 120	Clock(hrs)	AK-1	AK-1	Alpin		
FS 120	Depth(ft)	5585.0	5585.0	5486.0	0.0	0.0

TIME DATA----------
PF Fr. 1010 to 1020 hr
IS Fr. 1020 to 1120 hr
SF Fr. 1120 to 1320 hr
FS Fr. 1320 to 1520 hr

	Field	1	2	3	4
A. Init Hydro	3024.0	2996.0	2658.0	0.0	0.0
B. First Flow	128.0	112.0	46.0	0.0	0.0
B1. Final Flow	102.0	116.0	55.0	0.0	0.0
C. In Shut-in	428.0	418.0	452.0	0.0	0.0
D. Init Flow	111.0	91.0	29.0	0.0	0.0
E. Final Flow	94.0	93.0	35.0	0.0	0.0
F. Fl Shut-in	936.0	941.0	977.0	0.0	0.0
G. Final Hydro	2640.0	2772.0	2555.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 0800 hr
T ON BOTM 1008 hr
T OPEN 1010 hr
T PULLED 1520 hr
T OUT 1830 hr

RECOVERY
Tot Fluid 20.00 ft of 20.00 ft in DC and 0.00 ft in DP
180.00 ft of Gas in pipe
20.00 ft of Drilling mud

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

Tool Wt.	18000.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	100000.00 lbs
Initial Str Wt	90000.00 lbs
Unseated Str Wt	70000.00 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	608.00 ft
D.P. Length	4864.00 ft

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

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

Mud Type	Chemical
Weight	9.00 lb/c
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.	126.00 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	Mike Colantonio
Co. Rep.	Sam Carmack
Contr.	Cheyenne Drlg.
Rig #	4
Unit #	
Pump T.	

BLOW DESCRIPTION

Initial Blow -
Surface blow built to 3" blow

Initial Shutin -
Bled off 2", no blow back

Final Blow -
Fair blow built to bottom of bucket in 1 min throughout

Final Shutin -
Bled off 2", no blow back

SAMPLES: No
SENT TO:

Test Successful: Y

TEST HISTORY

8262 DST#2 Chandler Carrol #1-19 Amoco Prod. Comp.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2658.07
B:	0.00	45.65
C:	0.00	55.13
D:	58.00	451.77
E:	0.00	29.45
F:	118.00	34.91
G:	120.00	978.58
Q:	0.00	2554.67

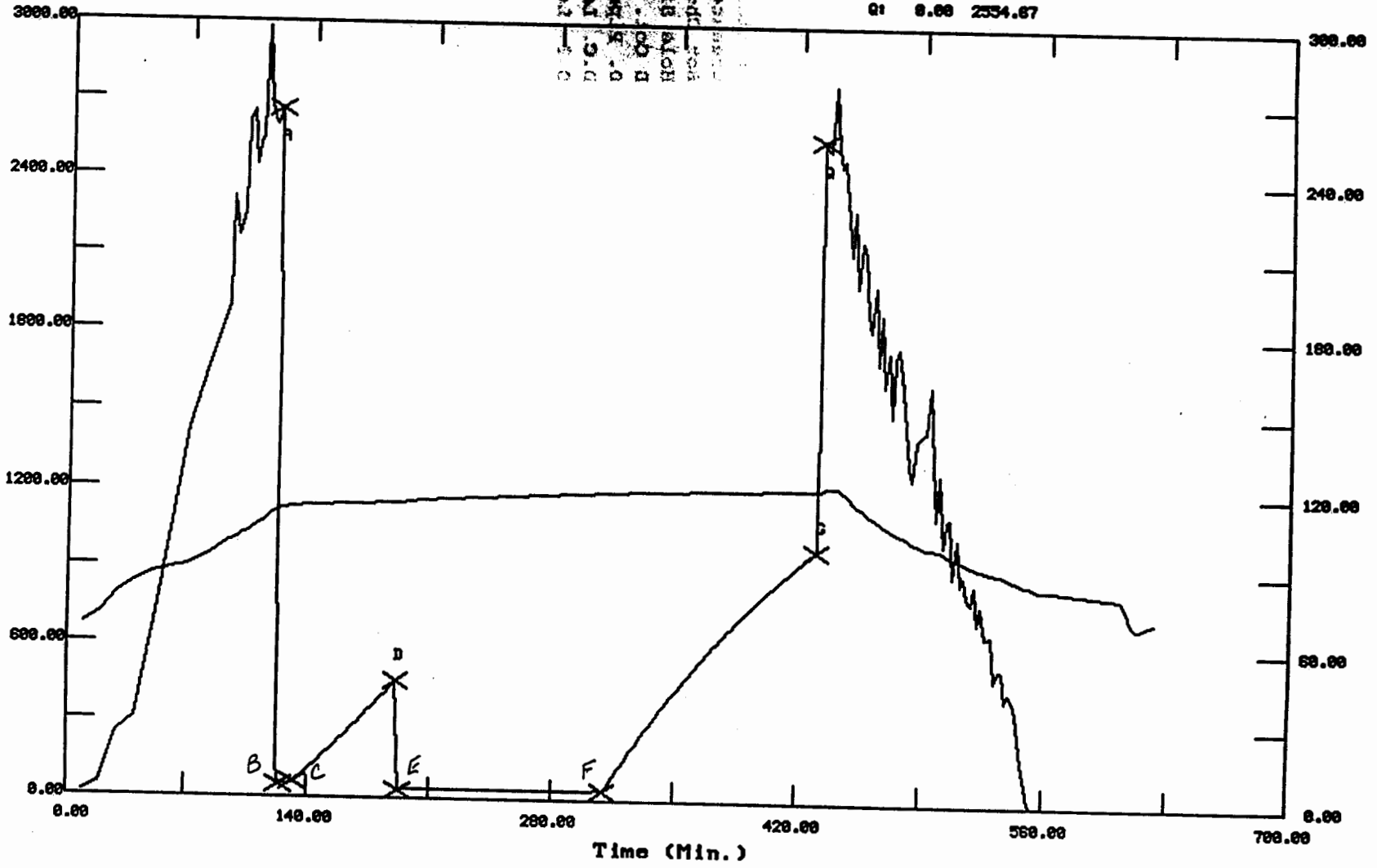
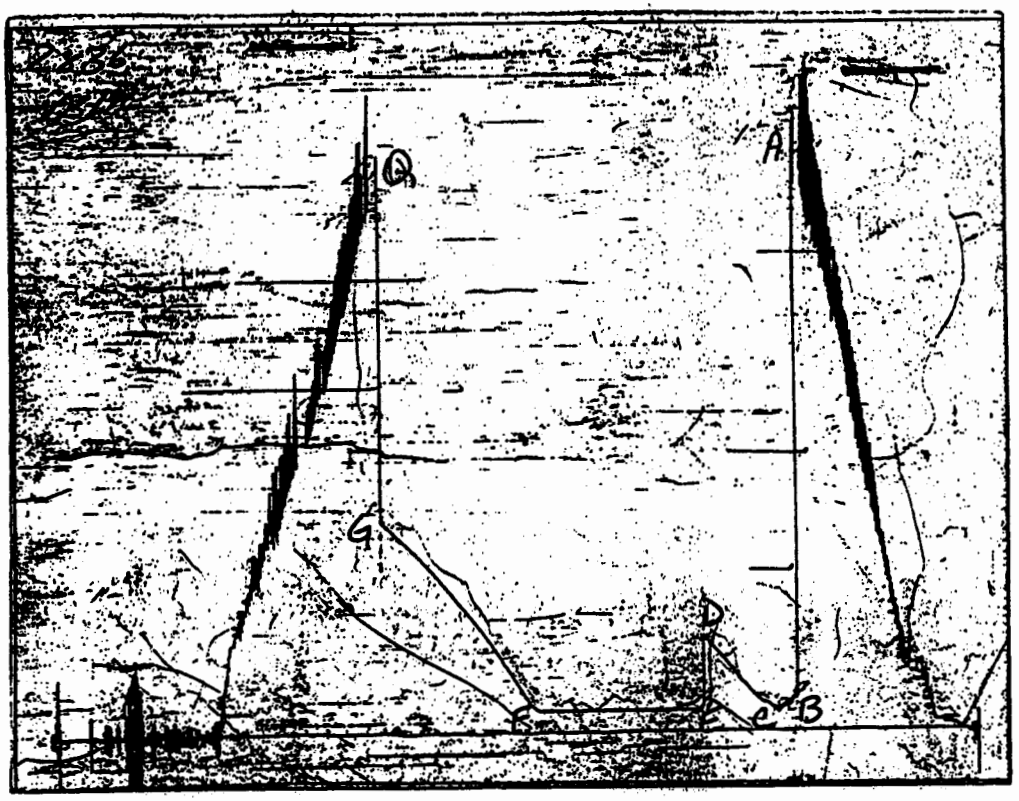


CHART PAGE



This is an actual photograph of recorder chart

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8262 DST#2 Chandler Carrol #1-19 Amoco Prod. Comp.

DATE: 11/23/95 TIME: 08:20:30

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	120.00	2658.1	0.0	111.04		
***** Start Flow 1	0.00	45.6	0.0	112.01		
	2.00	55.5	9.8	112.32		
	4.00	44.3	-1.3	112.55		
	6.00	51.9	6.3	112.71		
***** End Flow 1	8.00	55.1	9.5	112.83		
***** Start Shutin 1	0.00	55.1	0.0	112.83	0.0000	0.003
	2.00	69.7	14.6	112.93	5.0000	0.005
	4.00	80.7	25.6	113.02	3.0000	0.007
	6.00	93.6	38.4	113.10	2.3333	0.009
	8.00	106.4	51.3	113.17	2.0000	0.011
	10.00	119.1	64.0	113.24	1.8000	0.014
	12.00	131.8	76.7	113.31	1.6667	0.017
	14.00	144.4	89.3	113.38	1.5714	0.021
	16.00	157.3	102.1	113.44	1.5000	0.025
	18.00	170.3	115.1	113.50	1.4444	0.029
	20.00	183.5	128.3	113.57	1.4000	0.034
	22.00	196.9	141.8	113.63	1.3636	0.039
	24.00	210.6	155.4	113.69	1.3333	0.044
	26.00	224.2	169.1	113.75	1.3077	0.050
	28.00	238.1	183.0	113.81	1.2857	0.057
	30.00	252.0	196.9	113.86	1.2667	0.064
	32.00	266.0	210.9	113.91	1.2500	0.071
	34.00	280.2	225.1	113.96	1.2353	0.079
	36.00	294.4	239.3	114.01	1.2222	0.087
	38.00	308.8	253.6	114.07	1.2105	0.095
	40.00	323.0	267.9	114.11	1.2000	0.104
	42.00	337.4	282.2	114.16	1.1905	0.114
	44.00	351.6	296.5	114.21	1.1818	0.124
	46.00	366.2	311.0	114.27	1.1739	0.134
	48.00	380.5	325.4	114.31	1.1667	0.145
	50.00	394.9	339.7	114.36	1.1600	0.156
	52.00	409.1	354.0	114.41	1.1538	0.167
	54.00	423.5	368.4	114.45	1.1481	0.179
	56.00	437.8	382.7	114.50	1.1429	0.192
***** End Shut-in 1	58.00	451.8	396.6	114.54	1.1379	0.204
***** Start Flow 2	0.00	29.5	0.0	114.57		
	2.00	30.6	1.2	114.72		
	4.00	32.7	3.3	114.95		
	6.00	32.6	3.1	115.16		
	8.00	32.5	3.0	115.35		
	10.00	33.4	3.9	115.49		
	12.00	32.8	3.4	115.62		
	14.00	34.0	4.5	115.72		
	16.00	33.6	4.1	115.81		
	18.00	34.6	5.1	115.90		
	20.00	34.7	5.3	115.97		
	22.00	33.1	3.6	116.04		
	24.00	33.6	4.1	116.12		
	26.00	33.6	4.2	116.19		
	28.00	33.1	3.6	116.25		

*** TOOL DIAGRAM *** CONVENTIONAL

/ELL NAME: Chandler Carrol #1-19

OCATION : 19-31S-32W, Seward Cty KS

'ICKET No. 8262 D.S.T. No. 2 DATE 11-23-95

'OTAL TOOL TO BOTTOM OF TOP PACKERS 32

NTERVAL TOOL .....

OTTOM PACKERS AND ANCHOR 46

OTAL TOOL 78

RILL COLLAR ANCHOR IN INTERVAL .....

.C. ANCHOR STND.Stands1 Single Total 58

.P. ANCHOR STND.Stands Single Total

OTAL ASSEMBLY 136

.C. ABOVE TOOLS.Stands10 Single Total 608

.P. ABOVE TOOLS.Stands78 Single Total 4864

OTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5608

OTAL DEPTH 5588

OTAL DRILL PIPE ABOVE K.B. 20

EMARKS:

P.O. SUB	
C.O. SUB 1ft.	5452
S.I. TOOL 5ft.	5458
3ft.Sampler N\C	5461
HMV HYD. tool 5ft.	5466
JARS 7ft.	5473
SAFETY JOINT 2ft.	5475
PACKER 5ft.	5479
PACKER 5ft.	5484
DEPTH 5484ft.	
STUBB 1ft	5485
ANCHOR	
Alpine Rec.	5486
6ft pick up sub	5491
32ft. Perf	5523
1ft. C\O Sub.	5524
T.C.	
DEPTH	
58ft drill collar	5582
1ft double pin	5583
1ft hanger sub	5584
1ft perf	5585
AK-1 recorder	5585
BULLNOSE 3ft bullplug	
T.D.	5588

[redacted] SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
TEST: [redacted] Chandler Carrol #1-19 Amoco Prod. Comp.
DATE: [redacted] TIME: 08:20:30

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	114.00	944.4	909.5	121.12	2.1053	0.892
	116.00	955.3	920.4	121.15	2.0862	0.913
	118.00	966.0	931.1	121.17	2.0678	0.933
****** End Shut-in 2	120.00	976.6	941.7	121.19	2.0500	0.954
****** Final Hydro.	432.00	2554.7	0.0	121.40		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8262 DST#2 Chandler Carrol #1-19 Amoco Prod. Comp.

DATE: 11/23/95 TIME: 08:20:30

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
12.00	156.3	121.4	119.57	11.5000	0.024
14.00	176.7	141.8	119.63	10.0000	0.031
16.00	196.6	161.6	119.67	8.8750	0.039
18.00	216.3	181.4	119.71	8.0000	0.047
20.00	235.8	200.9	119.75	7.3000	0.056
22.00	255.2	220.3	119.79	6.7273	0.065
24.00	274.5	239.6	119.82	6.2500	0.075
26.00	293.5	258.6	119.86	5.8462	0.086
28.00	312.4	277.5	119.90	5.5000	0.098
30.00	331.0	296.1	119.94	5.2000	0.110
32.00	349.6	314.6	119.97	4.9375	0.122
34.00	367.7	332.8	120.00	4.7059	0.135
36.00	385.8	350.9	120.04	4.5000	0.149
38.00	403.5	368.6	120.08	4.3158	0.163
40.00	421.3	386.4	120.11	4.1500	0.178
42.00	438.9	403.9	120.15	4.0000	0.193
44.00	456.1	421.1	120.17	3.8636	0.208
46.00	473.2	438.3	120.20	3.7391	0.224
48.00	490.0	455.1	120.24	3.6250	0.240
50.00	506.8	471.9	120.27	3.5200	0.257
52.00	523.3	488.4	120.30	3.4231	0.274
54.00	539.6	504.7	120.33	3.3333	0.291
56.00	555.7	520.8	120.35	3.2500	0.309
58.00	571.6	536.7	120.38	3.1724	0.327
60.00	587.4	552.5	120.42	3.1000	0.345
62.00	603.0	568.1	120.45	3.0323	0.364
64.00	618.3	583.4	120.48	2.9688	0.382
66.00	633.5	598.6	120.49	2.9091	0.401
68.00	648.6	613.7	120.53	2.8529	0.421
70.00	663.4	628.5	120.55	2.8000	0.440
72.00	677.9	643.0	120.59	2.7500	0.460
74.00	692.4	657.5	120.61	2.7027	0.479
76.00	706.6	671.7	120.63	2.6579	0.499
78.00	720.6	685.7	120.66	2.6154	0.519
80.00	734.6	699.7	120.69	2.5750	0.540
82.00	748.4	713.5	120.72	2.5366	0.560
84.00	761.8	726.9	120.75	2.5000	0.580
86.00	775.2	740.3	120.77	2.4651	0.601
88.00	788.3	753.4	120.79	2.4318	0.621
90.00	801.3	766.4	120.83	2.4000	0.642
92.00	814.3	779.4	120.84	2.3696	0.663
94.00	826.8	791.9	120.87	2.3404	0.684
96.00	839.3	804.4	120.88	2.3125	0.704
98.00	851.7	816.8	120.91	2.2857	0.725
100.00	863.8	828.9	120.94	2.2600	0.746
102.00	875.8	840.9	120.96	2.2353	0.767
104.00	887.6	852.7	120.99	2.2115	0.788
106.00	899.3	864.4	121.02	2.1887	0.809
108.00	910.7	875.8	121.04	2.1667	0.829
110.00	922.2	887.3	121.06	2.1455	0.850
112.00	933.4	898.4	121.08	2.1250	0.871

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
TEST: 8262 DST#2 Chandler Carrol #1-19 Amoco Prod. Comp.
DATE: 11/23/95 TIME: 08:20:30

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	30.00	33.5	4.0	116.33		
	32.00	33.3	3.9	116.39		
	34.00	35.1	5.6	116.47		
	36.00	33.9	4.4	116.54		
	38.00	35.3	5.9	116.62		
	40.00	33.4	3.9	116.68		
	42.00	33.8	4.4	116.75		
	44.00	33.6	4.2	116.82		
	46.00	33.7	4.3	116.89		
	48.00	33.8	4.4	116.96		
	50.00	34.2	4.7	117.03		
	52.00	34.3	4.9	117.10		
	54.00	33.7	4.3	117.17		
	56.00	34.4	5.0	117.24		
	58.00	34.0	4.5	117.30		
	60.00	34.0	4.5	117.37		
	62.00	34.2	4.8	117.44		
	64.00	34.5	5.0	117.50		
	66.00	34.2	4.7	117.58		
	68.00	34.5	5.0	117.65		
	70.00	35.9	6.5	117.71		
	72.00	34.6	5.1	117.79		
	74.00	34.4	4.9	117.85		
	76.00	34.4	4.9	117.92		
	78.00	34.5	5.0	117.99		
	80.00	34.5	5.0	118.05		
	82.00	35.1	5.6	118.12		
	84.00	34.7	5.2	118.19		
	86.00	34.6	5.1	118.25		
	88.00	34.9	5.5	118.31		
	90.00	34.7	5.3	118.38		
	92.00	34.7	5.3	118.44		
	94.00	35.4	6.0	118.51		
	96.00	35.1	5.6	118.57		
	98.00	35.1	5.6	118.63		
	100.00	35.2	5.8	118.70		
	102.00	35.0	5.5	118.75		
	104.00	35.7	6.3	118.81		
	106.00	35.2	5.7	118.87		
	108.00	35.7	6.3	118.93		
	110.00	36.2	6.7	118.99		
	112.00	34.9	5.5	119.05		
	114.00	36.7	7.2	119.11		
	116.00	35.7	6.2	119.17		
****** End Flow 2	118.00	34.9	5.5	119.23		
****** Start Shutin 2	0.00	34.9	0.0	119.23	0.0000	0.001
	2.00	50.9	16.0	119.30	64.0000	0.003
	4.00	72.9	38.0	119.36	32.5000	0.005
	6.00	94.3	59.4	119.41	22.0000	0.009
	8.00	115.3	80.4	119.47	16.7500	0.013
	10.00	136.0	101.1	119.53	13.6000	0.019