WELL NAME:	Clawson B #2
COMPANY:	Anadarko Petroleum Corp
LOCATION:	9-29S-34W
	Haskell County Kansas
DATE:	11/17/97

TRILOBITE TESTING L.L.C.

OPERATOR : Anadarko Petroleum Corp DATE 11-13-97
WELL NAME: Clawson B #1 KB 2997.00 ft TICKET NO: 10468 DST #1
LOCATION : 9-29S-34W Haskell Co KS GR 2987.00 ft FORMATION: Pawnee
INTERVAL : 4736.00 To 4777.00 ft TD 4777.00 ft TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4
PF	0 Rec.		11057	11058	2346	
SI	0 Range(Psi)	0.0	4500.0	4475.0	4995.0	0.0
SF	0 Clock(hrs)					
FS	0 Depth(ft)	0.0	0.0	0.0	0.0	0.0

TIME DATA----------

PF Fr.	to	hr
IS Fr.	to	hr
SF Fr.	to	hr
FS Fr.	to	hr

	Field	1	2	3	4
A. Init Hydro	0.0	0.0	0.0	0.0	0.0
B. First Flow	0.0	0.0	0.0	0.0	0.0
B1. Final Flow	0.0	0.0	0.0	0.0	0.0
C. In Shut-in	0.0	0.0	0.0	0.0	0.0
D. Init Flow	0.0	0.0	0.0	0.0	0.0
E. Final Flow	0.0	0.0	0.0	0.0	0.0
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0
G. Final Hydro	0.0	0.0	0.0	0.0	0.0

Inside/Outside

T STARTED	1555	hr
T ON BOTM		hr
T OPEN		hr
T PULLED	1955	hr
T OUT	2355	hr

RECOVERY

Tot Fluid 0.00 ft of 0.00 ft in DC and 0.00 ft in DP

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
0.00 ft of

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

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

Tool Wt.	5000.00 lbs
Wt Set On Packer	35000.00 lbs
Wt Pulled Loose	0.00 lbs
Initial Str Wt	0.00 lbs
Unseated Str Wt	0.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	0.00 in
D. Pipe ID	3.50 in
D.C. Length	0.00 ft
D.P. Length	4015.00 ft

BLOW DESCRIPTION
Ran tool to 3960'
Hole stickey
Pulled tool

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

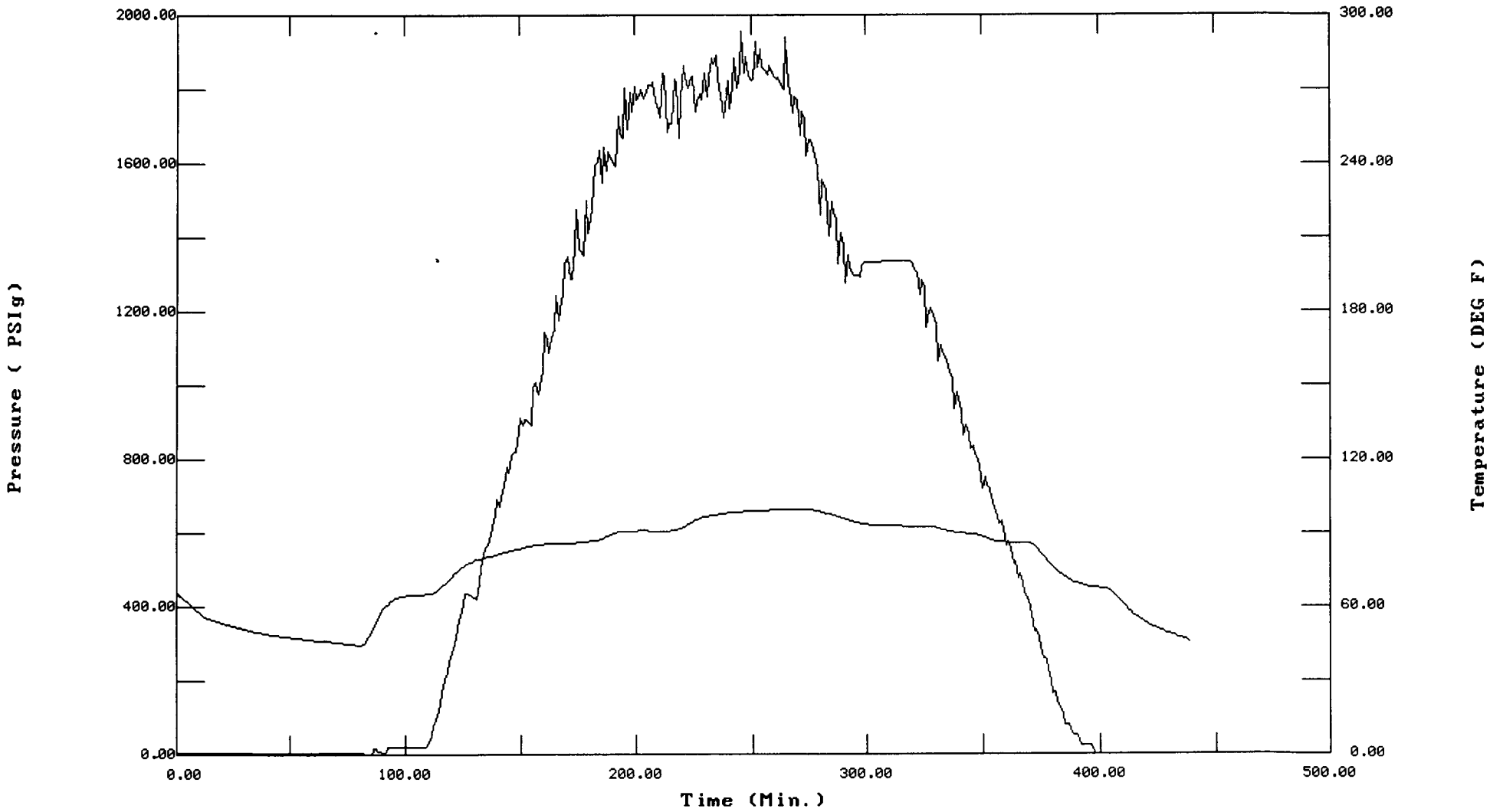
Mud Type	Chemical
Weight	9.00 lb/c
Vis.	0.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	0.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	3
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Shane McBride
Co. Rep.	Jr. Stuck
Contr.	Big A
Rig #	1
Unit #	
Pump T.	

SAMPLES:
SENT TO:

Test Successful: N

TEST HISTORY

10468 DST #1 Clawson B #1 Anadarko Petro.Corp.



TRILOBITE TESTING L.L.C.

OPERATOR : Anadarko Petroleum Corp DATE 11-14-97
WELL NAME: Clawson B #1 KB 2997.00 ft TICKET NO: 10469 DST #2
LOCATION : 9-29S-34W Haskell Co KS GR 2987.00 ft FORMATION: Pawnee
INTERVAL : 4743.00 To 4784.00 ft TD 5601.00 ft TEST TYPE: CONV.STRADDLE

RECORDER DATA

Mins		Field	1	2	3	4
PF 36	Rec.	11057	11057	2346		
SI 0	Range(Psi)	4500.0	4500.0	4995.0	0.0	0.0
SF 0	Clock(hrs)	12	12 hr	alpin		
FS 60	Depth(ft)	4769.0	4769.0	4759.0	0.0	0.0

TIME DATA----------
PF Fr. 1133 to 1209 hr
IS Fr. to hr
SF Fr. to hr
FS Fr. 1209 to 1309 hr

	Field	1	2	3	4
A. Init Hydro	2400.0	2369.0	2346.0	0.0	0.0
B. First Flow	44.0	33.0	28.0	0.0	0.0
B1. Final Flow	56.0	47.0	52.0	0.0	0.0
C. In Shut-in	0.0	0.0	0.0	0.0	0.0
D. Init Flow	0.0	0.0	0.0	0.0	0.0
E. Final Flow	0.0	0.0	0.0	0.0	0.0
F. Fl Shut-in	995.0	988.0	1007.0	0.0	0.0
G. Final Hydro	2377.0	2264.0	2235.0	0.0	0.0
Inside/Outside	I	I	O		

T STARTED 0850 hr
T ON BOTM 1127 hr
T OPEN 1133 hr
T PULLED 1309 hr
T OUT 1605 hr

RECOVERY
Tot Fluid 20.00 ft of 0.00 ft in DC and 20.00 ft in DP
20.00 ft of Drilling mud 100% mud
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of Gas to surface in 34 min.
0.00 ft of
0.00 ft of
0.00 ft of
SALINITY 3700.00 P.P.M. A.P.I. Gravity 0.00

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

Tool Wt.	5000.00 lbs
Wt Set On Packer	35000.00 lbs
Wt Pulled Loose	55000.00 lbs
Initial Str Wt	40000.00 lbs
Unseated Str Wt	40000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	0.00 in
D. Pipe ID	3.50 in
D.C. Length	0.00 ft
D.P. Length	4856.00 ft

BLOW DESCRIPTION
Initial Flow:
Bottom of buckt in 1 1/2 minutes

Final Shutin:
no return

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

Mud Type	Chemical
Weight	9.00 lb/c
Vis.	0.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	107.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	3
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Shane McBride
Co. Rep.	Jr. Stuck
Contr.	Big "A"
Rig #	1
Unit #	
Pump T.	

SAMPLES: gas
SENT TO:Caraway Liberal Ks,

Test Successful: Y

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10469 DST# 2 Clawson B #1 Anadarko Petrol. Corp.

DATE: 11/14/97 TIME: 21:49:10

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	161.00	2346.5	0.0	103.68		
***** Start Flow 1	0.00	28.4	0.0	103.89		
	1.00	31.7	3.2	104.01		
	2.00	32.1	3.6	104.18		
	3.00	33.7	5.2	104.35		
	4.00	35.1	6.6	104.50		
	5.00	35.2	6.8	104.63		
	6.00	36.4	8.0	104.77		
	7.00	37.3	8.8	104.89		
	8.00	38.3	9.9	105.01		
	9.00	40.3	11.8	105.12		
	10.00	40.3	11.8	105.22		
	11.00	40.7	12.3	105.31		
	12.00	40.8	12.4	105.40		
	13.00	41.8	13.4	105.47		
	14.00	42.1	13.7	105.55		
	15.00	43.4	14.9	105.61		
	16.00	44.5	16.1	105.68		
	17.00	44.7	16.2	105.74		
	18.00	45.0	16.5	105.80		
	19.00	46.8	18.3	105.85		
	20.00	47.3	18.8	105.90		
	21.00	47.9	19.4	105.96		
	22.00	48.4	19.9	106.00		
	23.00	49.1	20.6	106.04		
	24.00	49.9	21.5	106.09		
	25.00	52.0	23.5	106.13		
	26.00	50.6	22.1	106.16		
	27.00	51.7	23.2	106.20		
***** End Flow 1	28.00	52.3	23.9	106.23		
***** Start Shutin 1	0.00	52.3	0.0	106.23	0.0000	0.003
	1.00	98.0	45.7	106.27	29.0000	0.01
	2.00	222.4	170.1	106.30	15.0000	0.049
	3.00	254.0	201.7	106.34	10.3333	0.065
	4.00	82.0	29.7	106.37	8.0000	0.007
	5.00	141.0	88.7	106.40	6.6000	0.020
	6.00	163.5	111.2	106.44	5.6667	0.027
	7.00	281.0	228.7	106.47	5.0000	0.079
	8.00	386.4	334.1	106.51	4.5000	0.149
	9.00	479.9	427.6	106.55	4.1111	0.230
	10.00	562.1	509.8	106.59	3.8000	0.316
	11.00	633.9	581.6	106.62	3.5455	0.402
	12.00	696.2	643.9	106.67	3.3333	0.485
	13.00	750.1	697.8	106.69	3.1538	0.563
	14.00	796.1	743.8	106.73	3.0000	0.634
	15.00	835.1	782.7	106.76	2.8667	0.697
	16.00	867.4	815.1	106.79	2.7500	0.752
	17.00	894.1	841.8	106.81	2.6471	0.799
	18.00	915.7	863.4	106.84	2.5556	0.839
	19.00	933.3	881.0	106.85	2.4737	0.871
	20.00	947.1	894.8	106.87	2.4000	0.897

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10469 DST# 2 Clawson B #1 Anadarko Petrol. Corp.

DATE: 11/14/97 TIME: 21:49:10

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	21.00	958.2	905.9	106.89	2.3333	0.918
	22.00	966.9	914.6	106.90	2.2727	0.935
	23.00	973.8	921.5	106.91	2.2174	0.948
	24.00	979.2	926.9	106.92	2.1667	0.959
	25.00	983.4	931.1	106.93	2.1200	0.967
	26.00	986.8	934.5	106.95	2.0769	0.974
	27.00	989.4	937.1	106.95	2.0370	0.979
	28.00	991.7	939.3	106.96	2.0000	0.983
	29.00	993.4	941.1	106.97	1.9655	0.987
	30.00	994.9	942.6	106.98	1.9333	0.990
	31.00	996.0	943.7	107.01	1.9032	0.992
	32.00	997.3	944.9	106.99	1.8750	0.995
	33.00	998.1	945.7	106.98	1.8485	0.996
	34.00	998.9	946.5	107.00	1.8235	0.998
	35.00	999.6	947.3	107.01	1.8000	0.999
	36.00	1000.2	947.8	107.02	1.7778	1.000
	37.00	1000.8	948.4	107.03	1.7568	1.002
	38.00	1001.3	949.0	107.04	1.7368	1.003
	39.00	1001.8	949.5	107.04	1.7179	1.004
	40.00	1002.1	949.8	107.05	1.7000	1.004
	41.00	1002.5	950.2	107.06	1.6829	1.005
	42.00	1002.8	950.5	107.07	1.6667	1.006
	43.00	1003.1	950.8	107.07	1.6512	1.006
	44.00	1003.5	951.2	107.09	1.6364	1.007
	45.00	1003.7	951.4	107.08	1.6222	1.008
	46.00	1004.0	951.7	107.10	1.6087	1.008
	47.00	1004.3	952.0	107.09	1.5957	1.009
	48.00	1004.5	952.2	107.11	1.5833	1.009
	49.00	1004.8	952.5	107.12	1.5714	1.010
	50.00	1005.1	952.8	107.12	1.5600	1.010
	51.00	1005.2	952.9	107.13	1.5490	1.010
	52.00	1005.5	953.2	107.14	1.5385	1.011
	53.00	1005.6	953.3	107.15	1.5283	1.011
	54.00	1005.8	953.4	107.16	1.5185	1.012
	55.00	1006.0	953.7	107.17	1.5091	1.012
	56.00	1006.2	953.8	107.19	1.5000	1.012
	57.00	1006.3	954.0	107.19	1.4912	1.013
	58.00	1006.5	954.2	107.20	1.4828	1.013
	59.00	1006.7	954.4	107.20	1.4746	1.013
	60.00	1006.8	954.5	107.22	1.4667	1.014
	61.00	1006.9	954.6	107.22	1.4590	1.014
	62.00	1007.1	954.8	107.24	1.4516	1.014
	63.00	1007.1	954.8	107.25	1.4444	1.014
	64.00	1007.3	954.9	107.25	1.4375	1.015
	65.00	1007.4	955.1	107.26	1.4308	1.015
	66.00	1007.5	955.2	107.28	1.4242	1.015
****** End Shut-in 1	67.00	1007.7	955.3	107.28	1.4179	1.015
****** Final Hydro.	262.00	2235.9	0.0	107.34		

Caraway Analytical, Inc.
728 N. Roosevelt
P. O. Box 2137
Liberal, Kansas 67905
rcaraway@bigfoot.com

Phone 316-624-5389
Fax 316-626-7108
Cellular 316-621-3290

Fractional Analysis

Components		Mol %	GPM
Carbon Dioxide	CO2	0.1105	
Nitrogen	N2	9.2369	
Methane	C1	79.6430	13.3854
Ethane	C2	4.6485	1.2404
Propane	C3	2.8039	0.7708
Iso Butane	iC4	0.5033	0.1643
Normal Butane	nC4	1.0741	0.3379
Iso Pentane	iC5	0.2844	0.1039
Normal Pentane	nC5	0.3144	0.1136
Hexanes Plus	C6+	0.5086	0.2184
Helium	He	0.8724	
Totals		100.0000	16.3347

Date Run	11/16/1997
Lab Number	973237
Company	APC
Producer	APC
Lease	Clawson B-1
Station	000000
Pressure	
Temperature	
Cylinder No.	
Analysis by	Robert Caraway
Sampled by	Trilobite Testing
Sample Date	
Received	11/16/1997
Location	9-29-34
H2S	

Gasoline Content @ 14.65 psia & 60 F

Propane & Heavier	1.7089
Butane & Heavier	0.9381
Pentane & Heavier	0.4359

Remarks

Pawnee 4743-84
Sample contained 4.08% Air

BTU @ 14.65 psia & 60 F (Real)

Dry	1057.6
Saturated	1039.2
Z-Factor	0.9975
Specific Gravity	0.6873
Octane Rating	113.0

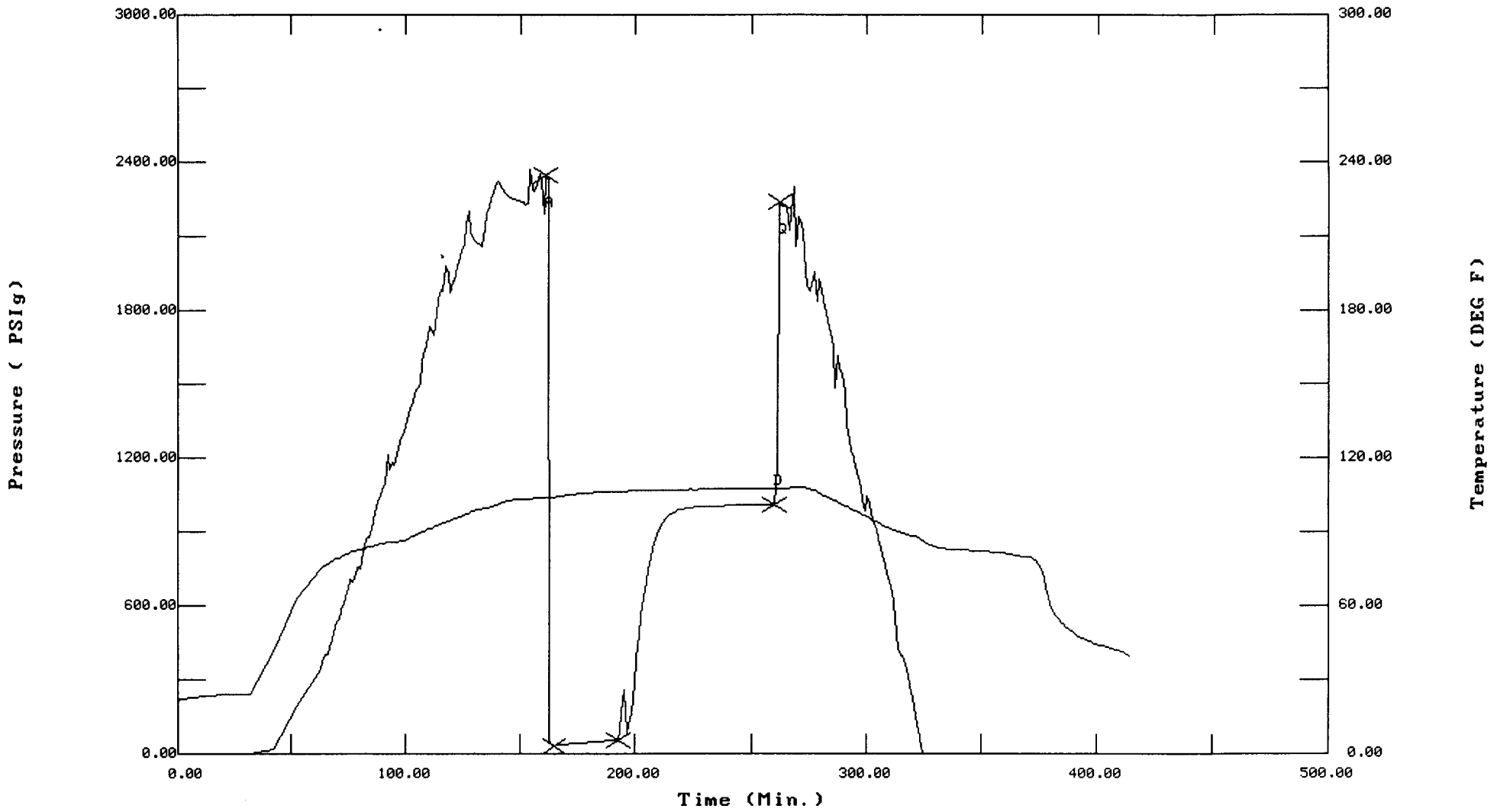
Results to
Anadarko Petroleum Corp.
Liberal, Kansas
Att: Dale Fiorini/Pat Rich

TEST HISTORY

10469 DST# 2 Clawson B #1 Anadarko Petrol. Corp.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2346.50
B:	0.00	28.44
C:	28.00	52.32
D:	67.00	1007.65
Q:	0.00	2235.91



*** TOOL DIAGRAM *** CONV.STRADDLE

ELL NAME: Clawson B #1

OCATION : 9-29S-34W Haskell Co KS

ICKET No. 10469 D.S.T. No. 2 DATE 11-14-97

OTAL TOOL TO BOTTOM OF TOP PACKERS 27

NTERVAL TOOL .....

OTTOM PACKERS AND ANCHOR 54

OTAL TOOL 81

RILL COLLAR ANCHOR IN INTERVAL .....

.C. ANCHOR STND.Stands Single Total

.P. ANCHOR STND.Stands 2 Single Total 124

OTAL ASSEMBLY 205

.C. ABOVE TOOLS.Stands Single Total

.P. ABOVE TOOLS.Stands77 Single Total 4729

OTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4934

OTAL DEPTH 4920

OTAL DRILL PIPE ABOVE K.B. 14

EMARKS:

