

TRILOBITE TESTING L.L.C.

OPERATOR : OXY U.S.A.

DATE 2-17-1998

WELL NAME: Kapp A#5

KB 0.00 ft

TICKET NO: 10895

DST #1

LOCATION : 16-32s-34w CO Seward KS

GR 2920.00 ft

FORMATION: Morrow

INTERVAL : 5560.00 To 5700.00 ft

TD 5700.00 ft

TEST TYPE: CONV.

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 0 Rec.	10270	3027				PF Fr. to hr
SI 0 Range(Psi)	4150.0	4995.0	0.0	0.0	0.0	IS Fr. to hr
SF 0 Clock(hrs)	12hr	elec				SF Fr. to hr
FS 0 Depth(ft)	5567.0	5663.0	0.0	0.0	0.0	FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	0.0	0.0	0.0	0.0	0.0	T STARTED 1553 hr
B. First Flow	0.0	0.0	0.0	0.0	0.0	T ON BOTM 1900 hr
B1. Final Flow	0.0	0.0	0.0	0.0	0.0	T OPEN 1903 hr
C. In Shut-in	0.0	0.0	0.0	0.0	0.0	T PULLED 1904 hr
D. Init Flow	0.0	0.0	0.0	0.0	0.0	T OUT 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	
G. Final Hydro	0.0	0.0	0.0	0.0	0.0	
Inside/Outside	o	i				

RECOVERY

Tot Fluid 260.00 ft of 260.00 ft in DC and 0.00 ft in DP

260.00 ft of 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

BLOW DESCRIPTION

Initial Flow:

Pacher did not hold - misrun

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	55.00 S/L
W.L.	8.00 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	0.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00

SAMPLES:

SENT TO:

Cushion Type	
Reversed Out	
Tool Chased	
Tester	Ray Schwager
Co. Rep.	Tim Hedrick
Contr.	Cheyenne
Rig #	3
Unit #	
Pump T.	

Test Successful: N

*** TOOL DIAGRAM *** CONV.

WELL NAME: Kapp A#5

LOCATION : 16-32s-34w CO Seward KS

TICKET No. 10895 D.S.T. No. 1 DATE 2-17-1998

TOTAL TOOL TO BOTTOM OF TOP PACKERS 32

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 45

TOTAL TOOL 77

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands 1 Single 1 Total 95

TOTAL ASSEMBLY 172

D.C. ABOVE TOOLS.Stands11 Single Total 635

D.P. ABOVE TOOLS.Stands80 Single Total 4901

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5708

TOTAL DEPTH 5700

TOTAL DRILL PIPE ABOVE K.B. 8

REMARKS:

Fluid Sampler Data

Gas	CF		
Oil	ml	Gravity	@60F
Mud	ml		
Water	ml		
Other	ml		
Pressure	PSI		
Totol vol.	ml		

Pit Mud Analysis		Recovery Analysis	
chl.	1100 ppm	chl.	ppm
RW	3.0 ohms@ 70F	RW	ohms@ F

Packer Failure

P.O. SUB	5424
C.O. SUB	5528
S.I. TOOL	5532
sample chamber	5537
HMV	5541
JARS	5546
SAFETY JOINT	5551
PACKER	5555
PACKER	5560
DEPTH	
STUBB	5561
ANCHOR 4'perf	5565
4' "	5569
3-joints drlg pipe	5664
Alpine @ 5663	
AK-1 @ 5567	
5'perf	5669
5' "	5674
5'perf	5679
5' "	5684
5'perf	5689
5' "	5694
4' "	5696
T.C.	
DEPTH	
2'perf	5698
BULLNOSE 2'bullplug	5700
T.D.	5700

TEST HISTORY

10895 DST#1 Kapp A#5 Oxy U.S.A.

Flag Points
t(Min.) P(PSIg)

A: 0.00 2712.95

Q: 0.00 2702.28

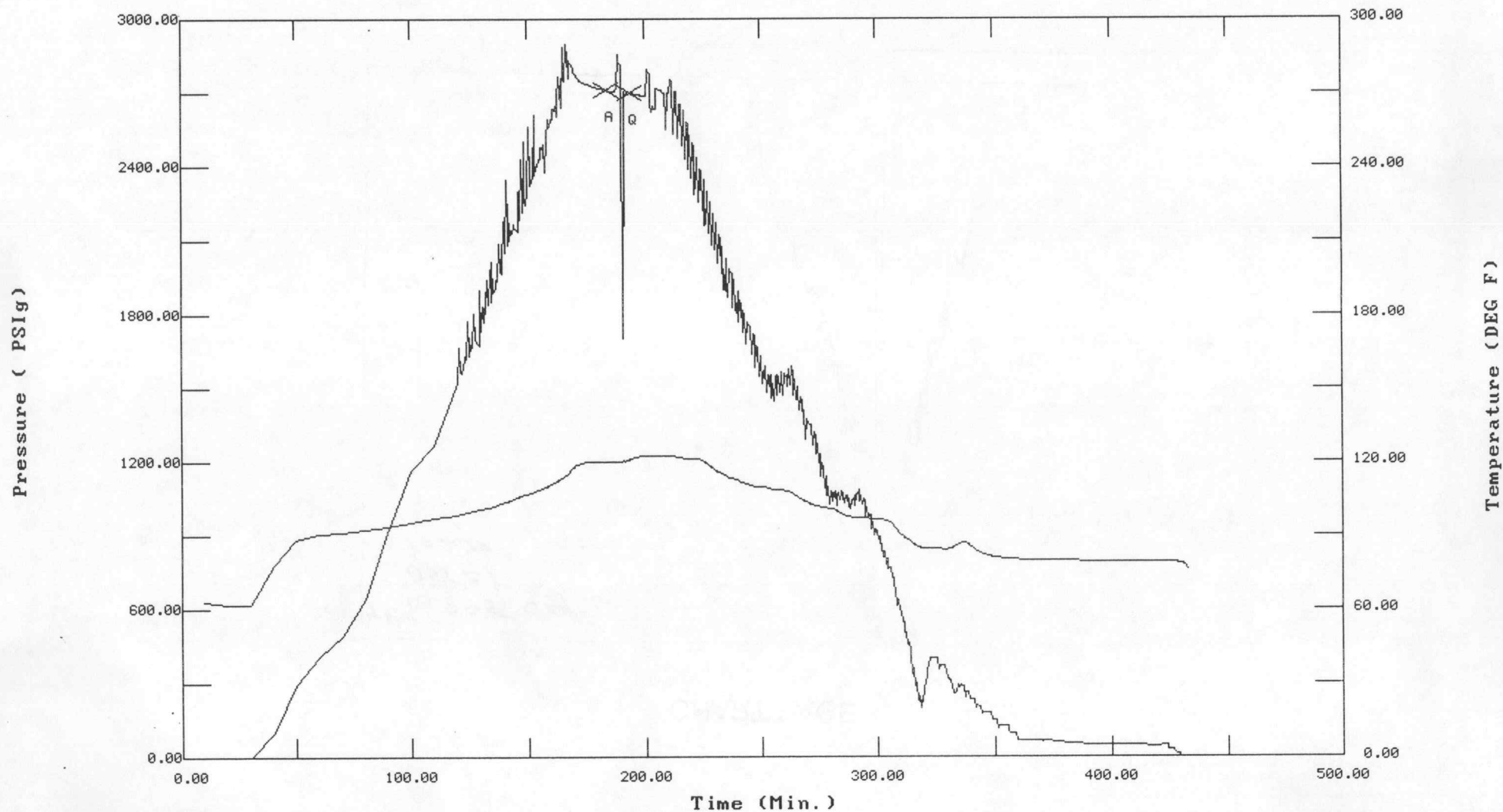
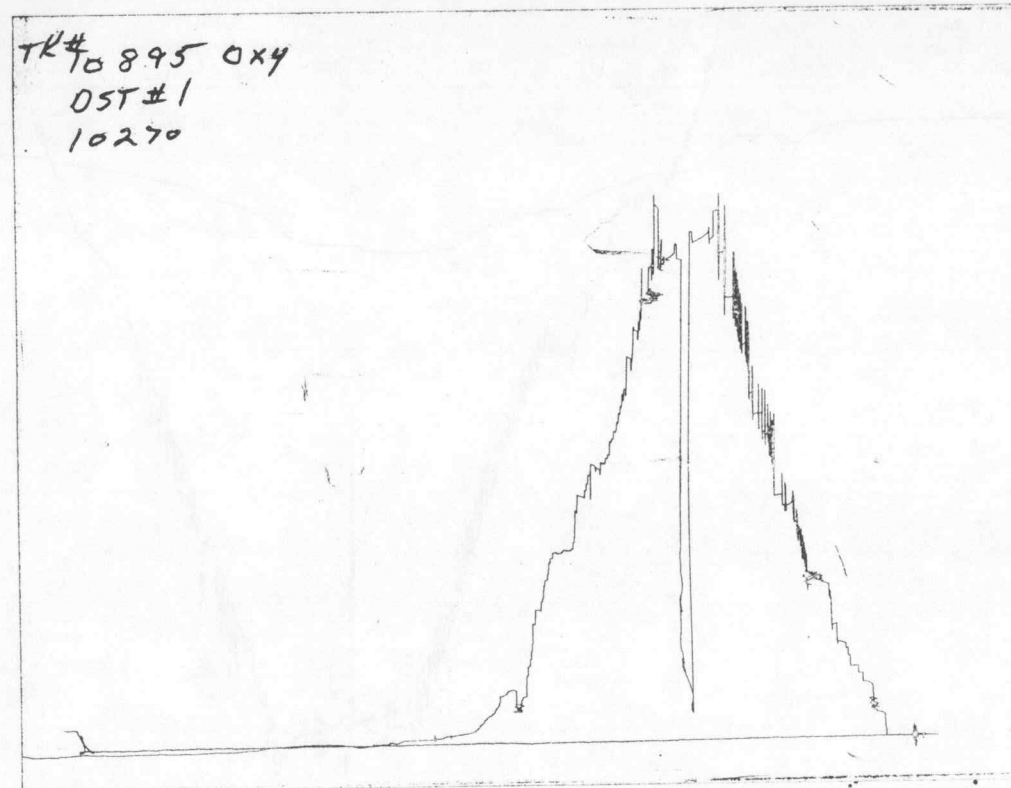


CHART PAGE



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

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10895 DST#1 Kapp A#5 Oxy U.S.A.

DATE: 02/17/98 TIME: 15:46:57

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	183.50	2713.0	0.0	119.99		
***** Start Flow 1	0.00	2702.3	0.0	121.28		
***** End Flow 1	0.50	2700.6	-1.7	121.37		
***** End Shut-in 1	195.50	2700.6	0.0	121.37	0.0026	7.293
***** Final Hydro.	194.50	2700.6	0.0	121.37		

TRILOBITE TESTING L.L.C.

OPERATOR : OXY USA

DATE 2-17-1998

WELL NAME: Kapp A #5

KB 0.00 ft

TICKET NO: 10896

DST #2

LOCATION : 16-32s-34w CO Seward KS

GR 2920.00 ft

FORMATION: Morrow

INTERVAL : 5565.00 To 5700.00 ft

TD 5700.00 ft

TEST TYPE: CONV.

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 0	Rec.	10270	3027				PF Fr. to hr
SI 0	Range(Psi)	4150.0	4995.0	0.0	0.0	0.0	IS Fr. to hr
SF 0	Clock(hrs)	12hr	elec				SF Fr. to hr
FS 0	Depth(ft)	5567.0	5663.0	0.0	0.0	0.0	FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	0.0	0.0	0.0	0.0	0.0	T STARTED 2315 hr
B. First Flow	0.0	0.0	0.0	0.0	0.0	T ON BOTM 0142 hr
B1. Final Flow	0.0	0.0	0.0	0.0	0.0	T OPEN 0145 hr
C. In Shut-in	0.0	0.0	0.0	0.0	0.0	T PULLED 0215 hr
D. Init Flow	0.0	0.0	0.0	0.0	0.0	T OUT 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	
G. Final Hydro	0.0	0.0	0.0	0.0	0.0	
Inside/Outside	o	i				

RECOVERY

Tot Fluid 635.00 ft of 635.00 ft in DC and 0.00 ft in DP

635.00 ft of 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

BLOW DESCRIPTION

Initial Flow:

Misrun packer failure

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/c
Vis.	55.00 S/L
W.L.	8.00 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	0.00 F
Hole Condition	fair
% 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	Ray Schwager
Co. Rep.	Tim Hedrick
Contr.	Cheyenne
Rig #	3
Unit #	
Pump T.	

SAMPLES:

SENT TO:

Test Successful: N

*** TOOL DIAGRAM *** CONV.

WELL NAME: Kapp A #5

LOCATION : 16-32s-34w CO Seward KS

TICKET No. 10896 D.S.T. No. 2 DATE 2-17-1998

TOTAL TOOL TO BOTTOM OF TOP PACKERS 32

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 40

TOTAL TOOL 72

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands 1 Single 1 Total 95

TOTAL ASSEMBLY 167

D.C. ABOVE TOOLS.Stands11 Single Total 635

D.P. ABOVE TOOLS.Stands80 Single 1 Total 4931

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5733

TOTAL DEPTH 5700

TOTAL DRILL PIPE ABOVE K.B. 33

REMARKS:

Fluid Sampler Data

Gas	CF		
Oil	ml	Gravity	@60F
Mud	ml		
Water	ml		
Other	ml		
Pressure	PSI		
Total vol.	ml		

Pit Mud Analysis		Recovery Analysis	
chl	1100 ppm	chl	ppm
RW	3.0 ohms@ 70F	RW	ohms@ F

Misrun Packer Failure

P.O. SUB	5413
C.O. SUB	5533
S.I. TOOL	5537
sample chamber	5542
HMV	5546
JARS	5551
SAFETY JOINT	5556
PACKER	5560
PACKER	5565
DEPTH	
STUBB	5566
ANCHOR 4'perf	5570
3-jts.drlg pipe	5665
Alpine@ 5663	
AK-1@ 5567	
T.C.	
DEPTH	
5'perf	5670
5' "	5675
5' "	5680
5' "	5685
3' "	5688
BULLNOSE 2'bullplug	5700
T.D.	5700

TEST HISTORY

10896 DST#2 Kapp A #5 OXY U.S.A.

Flag Points
t(Min.) P(PSig)

A: 0.00 2754.59

Q: 0.00 2903.69

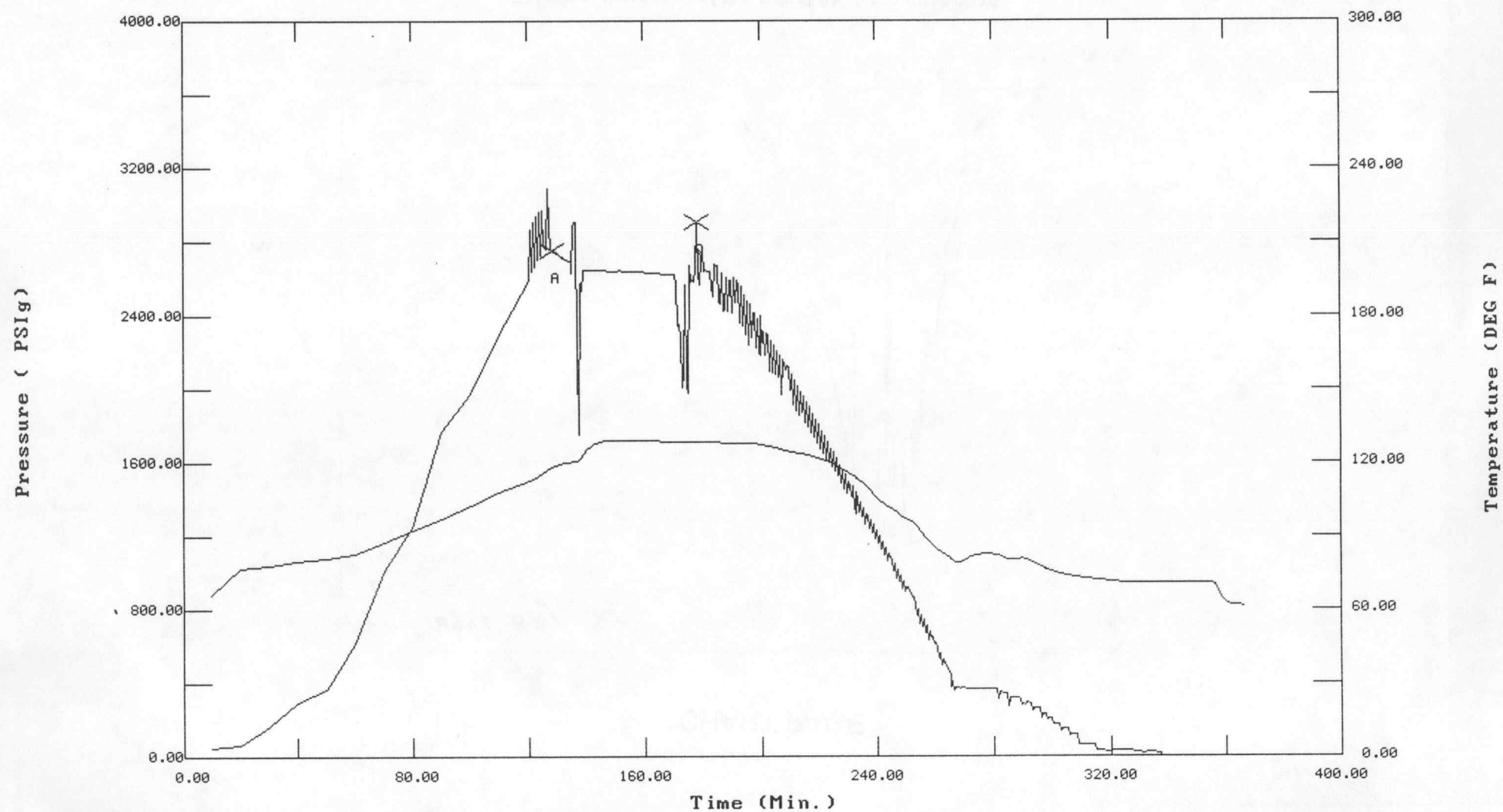
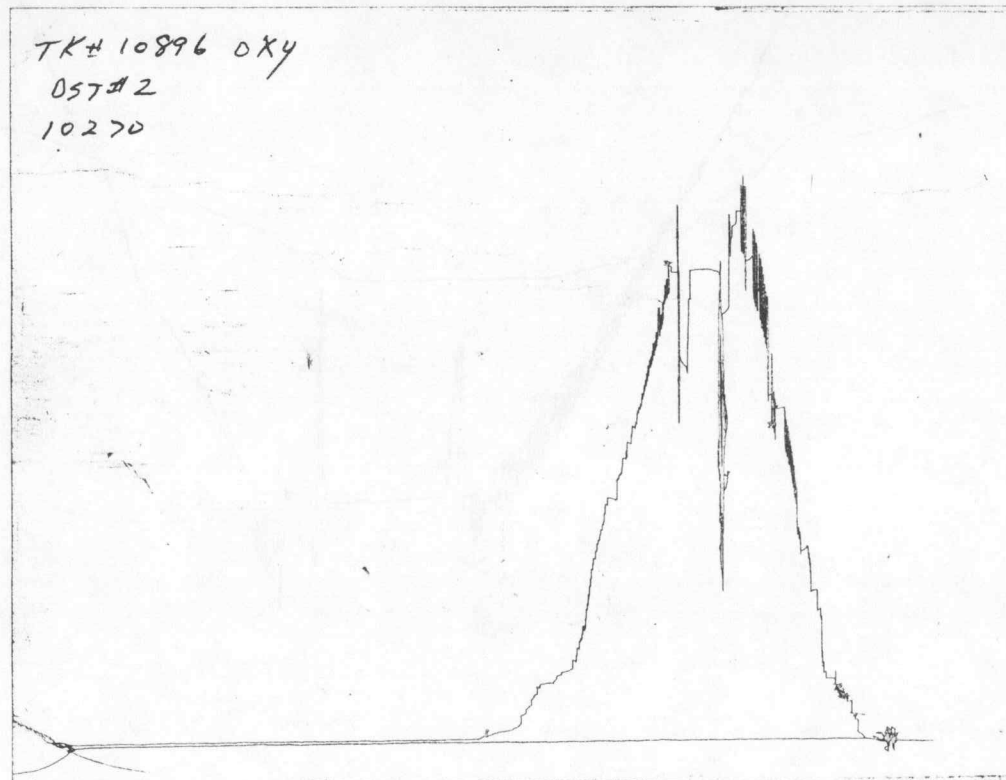


CHART PAGE



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 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10896 DST#2 Kapp A #5 OXY U.S.A.

DATE: 02/17/98 TIME: 23:06:09

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	128.50	2754.6	0.0	118.28		
***** Start Flow 1	0.00	2903.7	0.0	128.33		
***** End Flow 1	0.50	2627.2	-276.5	128.33		
***** End Shut-in 1	180.00	2627.2	0.0	128.33	0.0028	6.902
***** Final Hydro.	179.00	2627.2	0.0	128.33		