

ORIGINAL

CONFIDENTIAL

WELL NAME: Natalie Anne #1-34
OPERATOR: Amoco Production Company
LOCATION: Sec 34 Rge 29S Twp 40W
Stanton County Kansas
DATE: 03/01/96

RELEASED
SEP 25 1998

15-187-20817 **FROM CONFIDENTIAL**

15-187-20817
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CONFIDENTIAL

TRILOBITE TESTING L.L.C.

OPERATOR : Amoco Production Co DATE 3-1-96
 WELL NAME: Natalie Anne #1-34 KB 3275.00 ft TICKET NO: 7836 DST #1
 LOCATION : 34-29S-40W Stanton Cty KS GR 3264.00 ft FORMATION: St. Genevieve
 INTERVAL : 5496.00 To 5530.00 ft TD 5530.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 10 Rec.	2836	2836	2342			PF Fr. 1659 to 1709 hr
SI 60 Range(Psi)	3500.0	3500.0	4995.0	0.0	0.0	IS Fr. 1709 to 1809 hr
SF 30 Clock(hrs)	AK-1	AK-1	Alpin			SF Fr. 1809 to 1839 hr
FS 60 Depth(ft)	5527.0	5527.0	5502.0	0.0	0.0	FS Fr. 1839 to 1939 hr

	Field	1	2	3	4	
A. Init Hydro	2804.0	2688.0	2671.0	0.0	0.0	T STARTED 1450 hr
B. First Flow	42.0	53.0	50.0	0.0	0.0	T ON BOTM 1657 hr
B1. Final Flow	42.0	53.0	48.0	0.0	0.0	T OPEN 1659 hr
C. In Shut-in	136.0	139.0	189.0	0.0	0.0	T PULLED 1939 hr
D. Init Flow	102.0	110.0	79.0	0.0	0.0	T OUT 2225 hr
E. Final Flow	85.0	72.0	50.0	0.0	0.0	
F. Fl Shut-in	68.0	79.0	102.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2503.0	2511.0	2608.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 20000.00 lbs

RECOVERY

Tot Fluid 60.00 ft of 60.00 ft in DC and 0.00 ft in DP
 60.00 ft of Drilling mud

Initial Str Wt 95000.00 lbs
 Unseated Str Wt 75000.00 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 726.00 ft
 D.P. Length 4749.00 ft

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

BLOW DESCRIPTION

Initial Flow -
 Weak surface blow built to .5" blow
 Initial Shutin -
 Bled off 2", no blow back
 Final Flow -
 No blow

MUD DATA-----
 Mud Type Chemical
 Weight 8.90 lb/c
 Vis. 72.00 S/L
 W.L. 7.00 in3
 F.C. 0.00 in
 Mud Drop Y 45.0 ft

Amt. of fill 8.00 ft
 Btm. H. Temp. 125.00 F
 Hole Condition Fair
 % Porosity 0.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00
 Cushion Type

SAMPLES:
 SENT TO:

Reversed Out N
 Tool Chased N
 Tester Mike Colantonio
 Co. Rep. Sam Carmack
 Contr. Cheyenne Dglg.
 Rig # 3
 Unit #
 Pump T.

Test Successful: Y

TEST HISTORY

7836 DST#1 Natalie Anne #1-34 Amoco Prod. Comp.

Flag Points

t (Min.) PK PSig

A:	0.00	2671.08
B:	0.00	50.26
C:	8.00	48.84
D:	58.00	189.25
E:	0.00	79.72
F:	30.00	50.35
G:	58.00	102.55
Q:	0.00	2608.38

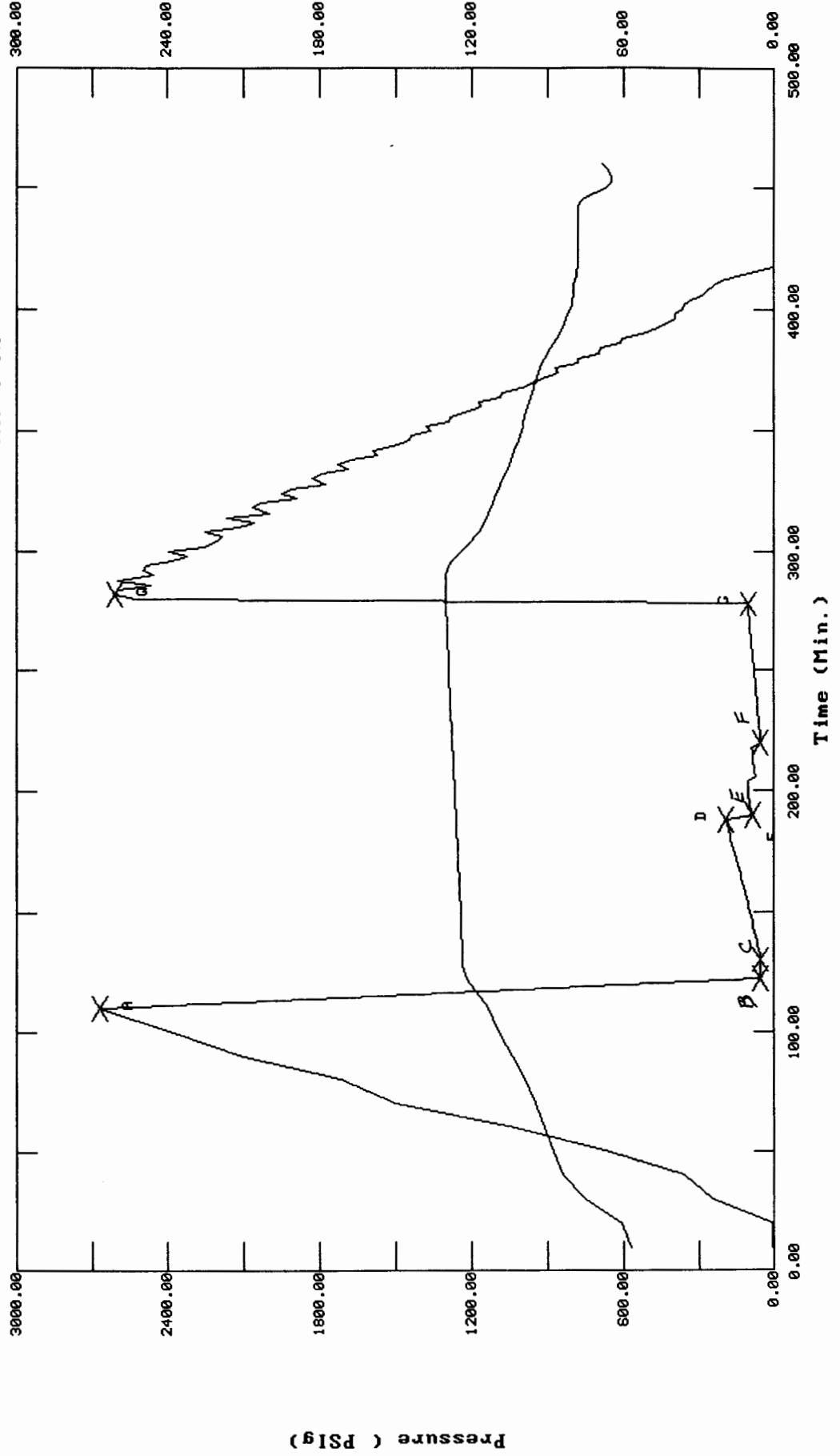
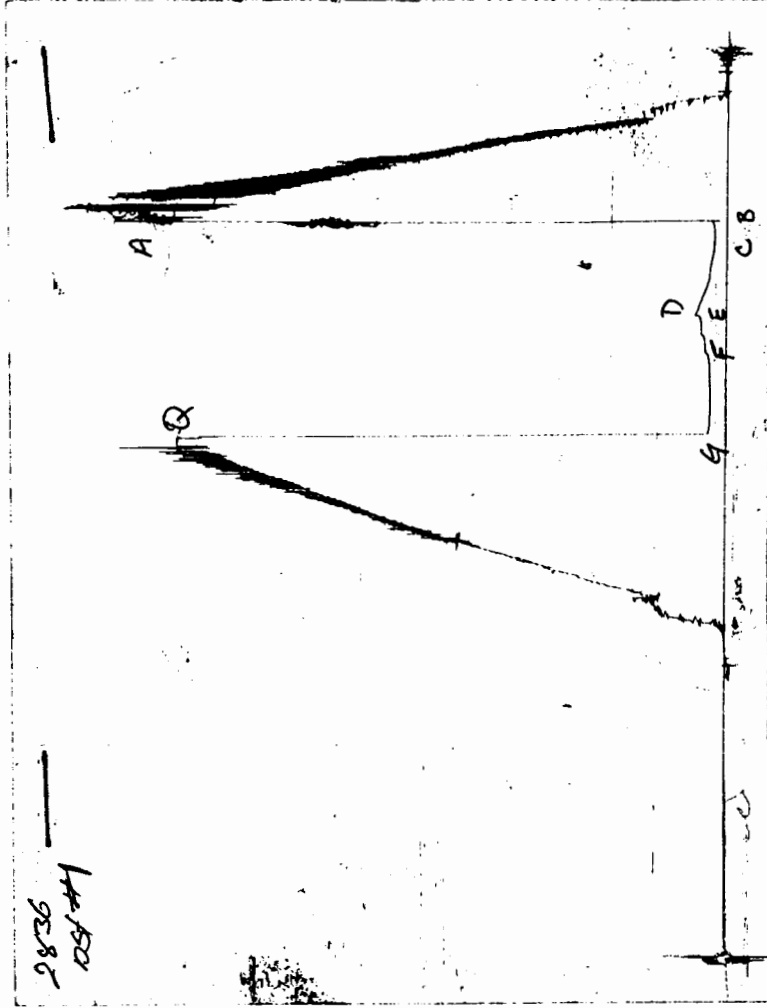


CHART PAGE



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

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 7836 DST#1 Natalie Anne #1-34 Amoco Prod. Comp.

DATE: 03/01/96 TIME: 14:52:37

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	110.00	2671.1	0.0	113.09		
***** Start Flow 1	0.00	50.3	0.0	121.72		
	2.00	50.6	0.3	122.48		
	4.00	50.8	0.5	122.95		
	6.00	51.0	0.8	123.24		
***** End Flow 1	8.00	48.8	-1.4	123.44		
***** Start Shutin 1	0.00	48.8	0.0	123.44	0.0000	0.002
	2.00	53.3	4.4	123.56	5.0000	0.003
	4.00	57.5	8.6	123.65	3.0000	0.003
	6.00	61.8	12.9	123.74	2.3333	0.004
	8.00	66.0	17.2	123.80	2.0000	0.004
	10.00	70.4	21.6	123.87	1.8000	0.005
	12.00	74.8	25.9	123.94	1.6667	0.006
	14.00	79.2	30.4	124.00	1.5714	0.006
	16.00	83.8	35.0	124.07	1.5000	0.007
	18.00	88.5	39.7	124.14	1.4444	0.008
	20.00	93.2	44.3	124.22	1.4000	0.009
	22.00	98.0	49.2	124.30	1.3636	0.01
	24.00	102.7	53.9	124.39	1.3333	0.011
	26.00	107.5	58.7	124.47	1.3077	0.012
	28.00	112.3	63.4	124.55	1.2857	0.013
	30.00	117.3	68.5	124.65	1.2667	0.014
	32.00	122.2	73.4	124.74	1.2500	0.015
	34.00	127.2	78.4	124.84	1.2353	0.016
	36.00	132.3	83.5	124.93	1.2222	0.018
	38.00	137.4	88.5	125.03	1.2105	0.019
	40.00	142.6	93.7	125.12	1.2000	0.020
	42.00	147.7	98.9	125.23	1.1905	0.022
	44.00	152.9	104.1	125.33	1.1818	0.023
	46.00	158.2	109.4	125.42	1.1739	0.025
	48.00	163.7	114.8	125.53	1.1667	0.027
	50.00	168.9	120.1	125.63	1.1600	0.029
	52.00	172.6	123.8	125.73	1.1538	0.030
	54.00	178.1	129.2	125.83	1.1481	0.032
	56.00	183.7	134.9	125.93	1.1429	0.034
***** End Shut-in 1	58.00	189.2	140.4	126.03	1.1379	0.036
***** Start Flow 2	0.00	79.7	0.0	126.12		
	2.00	86.6	6.9	126.22		
	4.00	91.0	11.2	126.32		
	6.00	94.8	15.1	126.42		
	8.00	98.6	18.9	126.52		
	10.00	102.3	22.6	126.62		
	12.00	101.0	21.2	126.72		
	14.00	100.9	21.1	126.82		
	16.00	70.2	-9.6	126.91		
	18.00	73.4	-6.3	127.00		
	20.00	76.2	-3.5	127.11		
	22.00	78.9	-0.8	127.20		
	24.00	81.4	1.7	127.30		
	26.00	84.1	4.4	127.40		
	28.00	86.6	6.9	127.49		

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 7836 DST#1 Natalie Anne #1-34 Amoco Prod. Comp.

DATE: 03/01/96 TIME: 14:52:37

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** End Flow 2	30.00	50.3	-29.4	127.59		
***** Start Shutin 2	0.00	50.3	0.0	127.59	0.0000	0.003
	2.00	52.5	2.2	127.69	20.0000	0.003
	4.00	54.4	4.0	127.77	10.5000	0.003
	6.00	56.1	5.8	127.87	7.3333	0.003
	8.00	57.8	7.5	127.97	5.7500	0.003
	10.00	59.5	9.1	128.05	4.8000	0.004
	12.00	61.1	10.7	128.14	4.1667	0.004
	14.00	62.7	12.3	128.23	3.7143	0.004
	16.00	64.4	14.0	128.32	3.3750	0.004
	18.00	66.0	15.6	128.40	3.1111	0.004
	20.00	67.7	17.4	128.49	2.9000	0.005
	22.00	69.4	19.1	128.58	2.7273	0.005
	24.00	71.0	20.6	128.66	2.5833	0.005
	26.00	72.7	22.3	128.75	2.4615	0.005
	28.00	74.4	24.0	128.82	2.3571	0.006
	30.00	76.2	25.8	128.90	2.2667	0.006
	32.00	77.9	27.5	128.99	2.1875	0.006
	34.00	79.6	29.3	129.07	2.1176	0.006
	36.00	81.5	31.1	129.15	2.0556	0.007
	38.00	83.2	32.9	129.23	2.0000	0.007
	40.00	85.2	34.8	129.31	1.9500	0.007
	42.00	87.0	36.7	129.39	1.9048	0.008
	44.00	88.9	38.5	129.47	1.8636	0.008
	46.00	90.8	40.5	129.54	1.8261	0.008
	48.00	92.6	42.2	129.62	1.7917	0.009
	50.00	94.3	44.0	129.70	1.7600	0.009
	52.00	96.3	46.0	129.77	1.7308	0.009
	54.00	98.4	48.0	129.85	1.7037	0.01
	56.00	100.5	50.1	129.92	1.6786	0.010
***** End Shut-in 2	58.00	102.6	52.2	129.99	1.6552	0.011
***** Final Hydro.	282.00	2608.4	0.0	130.29		

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Natalie Anna #1-34

LOCATION : 34-29S-40W

TICKET No. 7836 D.S.T. No. 1 DATE 3-1-96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 29ft.

INTERVAL TOOL

TOTAL PACKERS AND ANCHOR 34ft.

TOTAL TOOL 63ft.

DRILL COLLAR ANCHOR IN INTERVAL

K.C. ANCHOR STAND.Stands Single Total

K.P. ANCHOR STAND.Stands Single Total

TOTAL ASSEMBLY 63ft.

K.C. ABOVE TOOLS.Stands12 Single Total 726ft.

K.P. ABOVE TOOLS.Stands76 Single Total 4749ft.

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5538ft.

TOTAL DEPTH 5530ft.

TOTAL DRILL PIPE ABOVE K.B. 8ft.

REMARKS:

P.O. SUB	
C.O. SUB 1ft Double pin	5467
S.I. TOOL 5ft	5473
HMV HYD. Tool 5ft	5478
JARS 7ft	5485
SAFETY JOINT 2ft	5487
PACKER 5ft	5491
PACKER 5ft	5496
DEPTH 5496ft.	
STUBB 1ft	5497
ANCHOR	
4ft Perf	5501
Alpine Rec.	5502
6ft Pick Up Sub.	5507
20ft Perf	5527
T.C.	
DEPTH	
AK-1 Rec.	5527
BULLNOSE 3ft Bull plug	
T.D.	5530