

WELL NAME: Winger # 1-19
COMPANY: Zinke & Trumbo Inc
LOCATION: 19-29S-37W
Grant County Kansas
DATE: 11/06/97

TRILOBITE TESTING L.L.C.

OPERATOR : Zinke & Trumbo Inc.
WELL NAME: Winger #1-19
LOCATION : 19-29S-37W Grant KS.
INTERVAL : 5770.00 To 5820.00 ft

DATE 11-4-97
KB 3133.00 ft TICKET NO: 10482 DST #1
GR 3120.00 ft FORMATION: St. Louis
TD 5974.00 ft TEST TYPE: CONV STRADDLE

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 0 Rec.	13276	13276	2342		13339	PF Fr. 0235 to hr
SI 0 Range(Psi)	4000.0	4000.0	4995.0	0.0	4025.0	IS Fr. to hr
SF 0 Clock(hrs)	12 hr	12 hr	Elec		12 HR	SF Fr. to hr
FS 0 Depth(ft)	5810.0	5810.0	5775.0	0.0	5969.0	FS Fr. to 0245 hr

	Field	1	2	3	4	
A. Init Hydro	2618.0	0.0	2751.0	0.0	0.0	T STARTED 2322 hr
B. First Flow	0.0	0.0	0.0	0.0	0.0	T ON BOTM 0232 hr
B1. Final Flow	0.0	0.0	0.0	0.0	0.0	T OPEN 0235 hr
C. In Shut-in	0.0	0.0	0.0	0.0	0.0	T PULLED 0245 hr
D. Init Flow	0.0	0.0	0.0	0.0	0.0	T OUT 0845 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	2589.0	0.0	2519.0	0.0	0.0	TOOL DATA-----
Inside/Outside	O	O	I		S	Tool Wt. 25000.00 lbs
						Wt Set On Packer 40000.00 lbs
						Wt Pulled Loose 100000.00 lbs
						Initial Str Wt 80000.00 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 425.00 ft
						D.P. Length 5328.00 ft

RECOVERY

Tot Fluid 2040.00 ft of 425.00 ft in DC and 1615.00 ft in DP
2040.00 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

BLOW DESCRIPTION

Initial Flow:
Packer failure tried to reset -
no help Tool out of hole

MUD DATA-----
Mud Type Chemical
Weight 9.10 lb/cf
Vis. 69.00 S/L
W.L. 8.40 in3
F.C. 0.00 in
Mud Drop Y 100.0 ft

Amt. of fill 0.00 ft
Btm. H. Temp. 124.00 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 Rod Steinbrink
Co. Rep. Wes Hansen
Contr. Allen
Rig # 5
Unit #
Pump T.

SAMPLES:
SENT TO:

Test Successful: N

*** TOOL DIAGRAM *** CONV STRADDLE

WELL NAME: Winger #1-19	P.O. SUB 1' Above 120' DC	5619
	C.O. SUB 1'	5739
LOCATION : 19-29S-37W Grant KS.	S.I. TOOL 5'	5745
TICKET No. 10482 D.S.T. No. 1 DATE 11-4-97	Sampler 3'	5748
TOTAL TOOL TO BOTTOM OF TOP PACKERS 31	HMV 5'	5753
INTERVAL TOOL 19	JARS 5'	5758
BOTTOM PACKERS AND ANCHOR 30		
TOTAL TOOL 80		
DRILL COLLAR ANCHOR IN INTERVAL		
C. ANCHOR STND.Stands2 Single Total 124	SAFETY JOINT 2'	5760
P. ANCHOR STND.Stands Single 1 Total 31	PACKER Top 4'	5764
TOTAL ASSEMBLY 235	PACKER Bottom 6'	5770
C. ABOVE TOOLS.Stands7 Single Total 425	DEPTH	
P. ABOVE TOOLS.Stands85 Single Total 5328	STUBB 1'	5771
TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5988	ANCHOR	
	4' Perf.	
TOTAL DEPTH 5974	Alpine Rec. @ 5775	
TOTAL DRILL PIPE ABOVE K.B. 14	1' CO Sub	5776
	31' DP	5807
REMARKS:	1' CO Sub	5808
Sampler Data; N/A	AK-1 Rec. @ 5810	
	1' CO Sub	5813
as;		
il;	1' Blank Off Sub	5814
ater	T.C.	
id;	DEPTH	
	PACKER 6' Shale	5820
Total Volume;	1' Stubb	5821
Pressure;		
	22' Prf.	5843
	1' CO Sub	5844
	124' DC	5968
	1' CO Sub	5969
	AK-1 Rec. @ 5969	
	BULLNOSE 5'	
	T.D.	5974

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10482 DST #1 Winger #1-19 Zinke & Trumbo Inc.

DATE: 11/03/97 TIME: 23:22:57

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	194.00	2751.7	0.0	119.77		
***** Start Flow 1	0.00	2519.4	0.0	123.98		
***** End Flow 1	1.00	2516.3	-3.1	124.02		
***** End Shut-in 1	228.00	2516.3	0.0	124.02	0.0044	6.332
***** Final Hydro.	227.00	2516.3	0.0	124.02		

TEST HISTORY

10482 DST #1 Winger #1-19 Zinke & Trumbo Inc.

Flag Points

t (Min.) P (PSIg)

A: 0.00 2751.73

Q: 0.00 2519.42

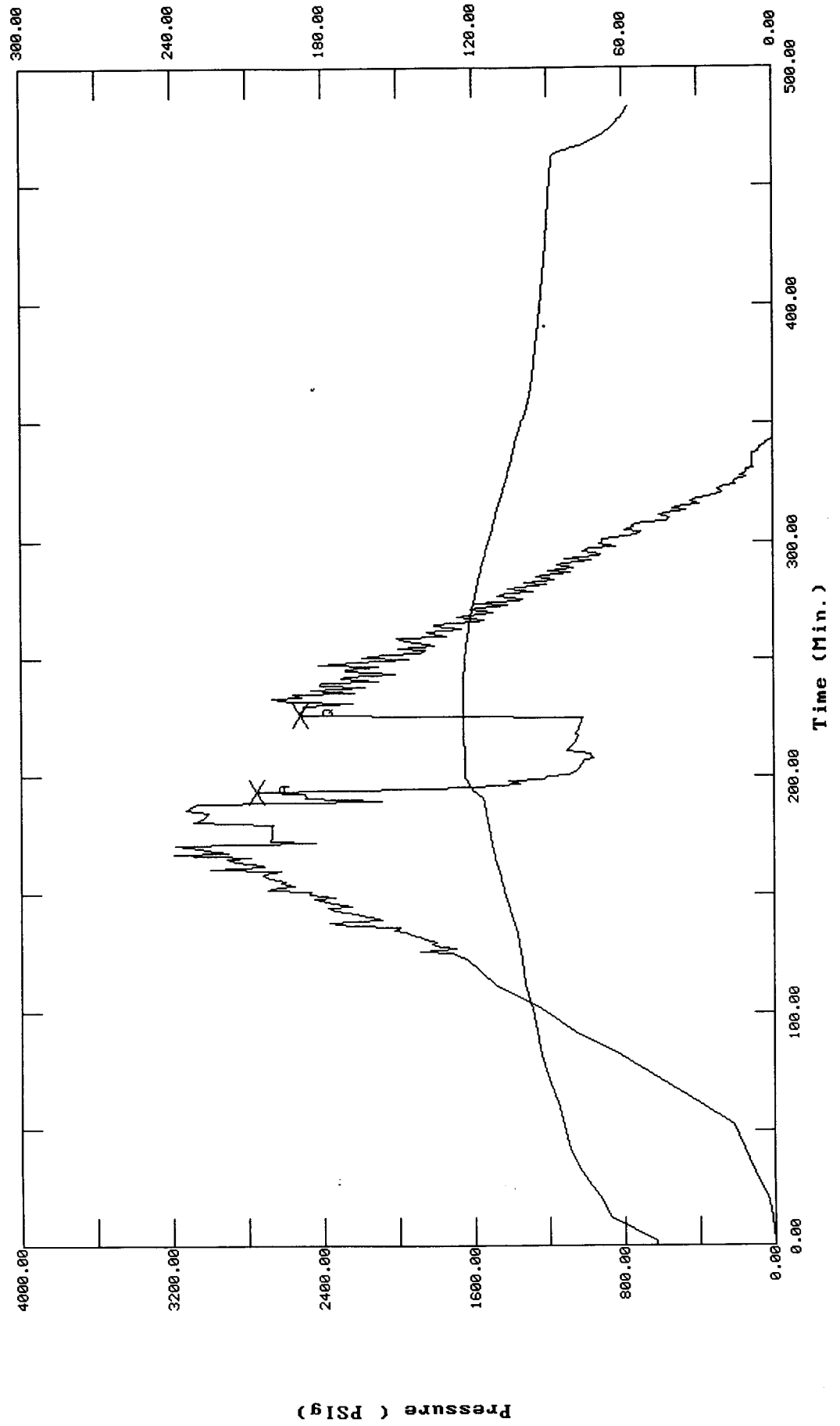
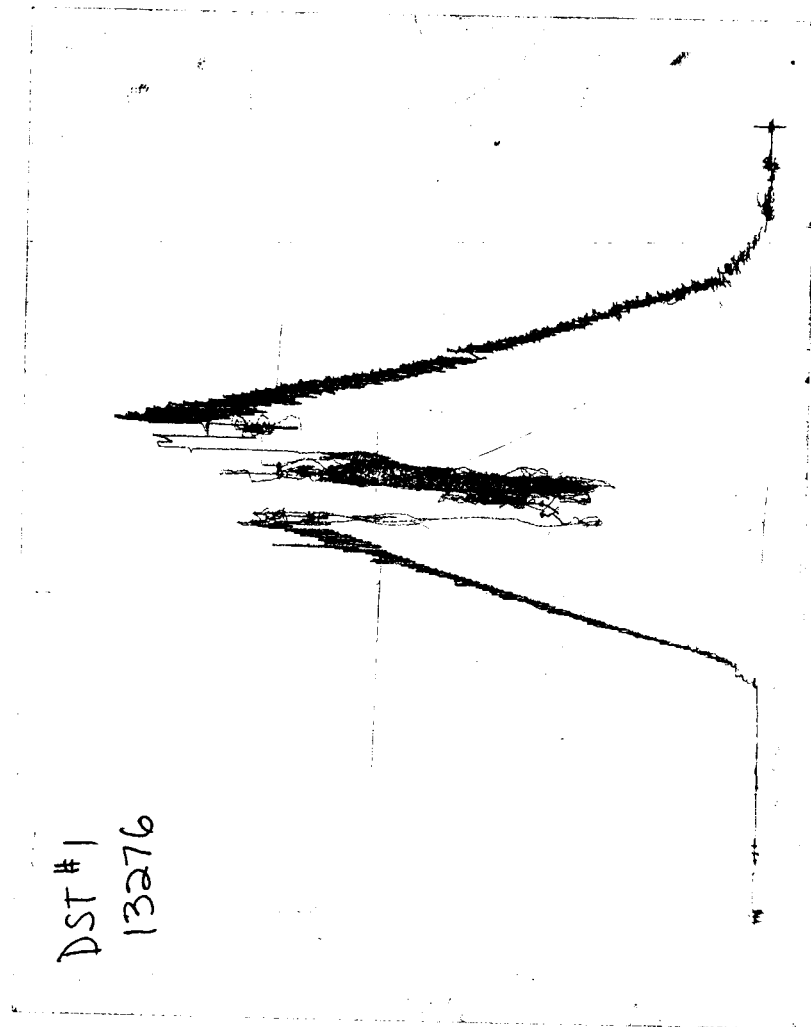
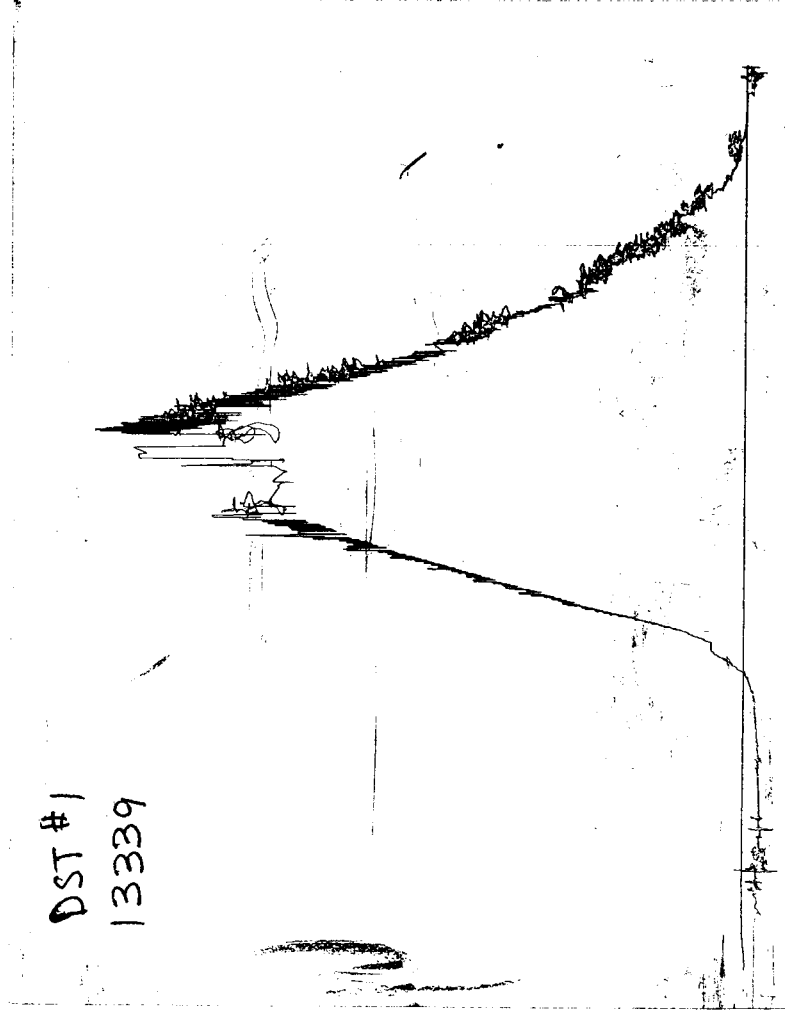


CHART PAGE



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

CHART PAGE



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TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 10482 Date 11-4-97
Company Name Zinke & Trumbo Cont. Allen #5
Lease Winger #1-19 Test No. 1 St. Louis
County Grant KS. Sec. 19 Twp. 29^s Rng. 37^w

SAMPLER RECOVERY

Gas _____ ML
Oil _____ ML
Mud 4,000 ML
Water _____ ML
Other _____ ML
Pressure _____ PSI
Total 4,000 ML

PIT MUD ANALYSIS

Chlorides 1,800 ppm.
Resistivity _____ ohms @ _____ F
Viscosity 69
Mud Weight 9.1
Filtrate 8.4
Other LCM 4# / bbl.

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
Gravity _____ corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

MIDDLE
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

BOTTOM
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.