

WELL NAME: Hal - Ross #2
COMPANY: Advantage Resources Inc
LOCATION: 20-28S-17W
Kiowa County Kansas
DATE: 10/10/97

TRILOBITE TESTING L.L.C.

OPERATOR : Advantage Resources Inc
WELL NAME: Hal - Ross #2
LOCATION : 20-28S-17W Kiowa Co KS
INTERVAL : 4256.00 To 4270.00 ft

DATE 10/2/97
KB 2222.00 ft TICKET NO: 10048 DST #1
GR 2211.00 ft FORMATION: Lansing A
TD 4270.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	10991	10991	13849			PF Fr. 0248 to 0303 hr
SI 45 Range(Psi)	4200.0	4200.0	4375.0	0.0	0.0	IS Fr. 0303 to 0348 hr
SF 45 Clock(hrs)	12 hr	12 hr	12 hr			SF Fr. 0348 to 0433 hr
FS 60 Depth(ft)	4267.0	4267.0	4265.0	0.0	0.0	FS Fr. 0433 to 0533 hr

	Field	1	2	3	4	
A. Init Hydro	2148.0	2109.0	2037.0	0.0	0.0	T STARTED 1240 hr
B. First Flow	89.0	25.0	120.0	0.0	0.0	T ON BOTM 0240 hr
B1. Final Flow	78.0	15.0	74.0	0.0	0.0	T OPEN 0248 hr
C. In Shut-in	1272.0	1295.0	1248.0	0.0	0.0	T PULLED 0533 hr
D. Init Flow	111.0	33.0	109.0	0.0	0.0	T OUT 0800 hr
E. Final Flow	89.0	33.0	74.0	0.0	0.0	
F. Fl Shut-in	1217.0	1257.0	1207.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2049.0	2072.0	1985.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 65000.00 lbs
						Initial Str Wt 46000.00 lbs
						Unseated Str Wt 48000.00 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 0.00 ft
						D.P. Length 4252.00 ft

RECOVERY

Tot Fluid 35.00 ft of 0.00 ft in DC and 35.00 ft in DP
1485.00 ft of Gas in Pipe
0.00 ft of
35.00 ft of Slightly Oil Cut Muddy Water
0.00 ft of trace gas 6%oil 24%mud 705 water
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of RW .6 @ 65 F
SALINITY 15000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----
Mud Type Chemical
Weight 9.00 lb/cf
Vis. 56.00 S/L
W.L. 10.50 in3
F.C. 0.00 in
Mud Drop

BLOW DESCRIPTION

Initial Flow:
Weak blow, built to %' in water bucket

Initial Shut In:

Bled down for 5 mins, no blow back

Final Flow:

Weak blow, built to 5" in water bucket

Final Shut In:

Bled down for 5 mins, no blow back

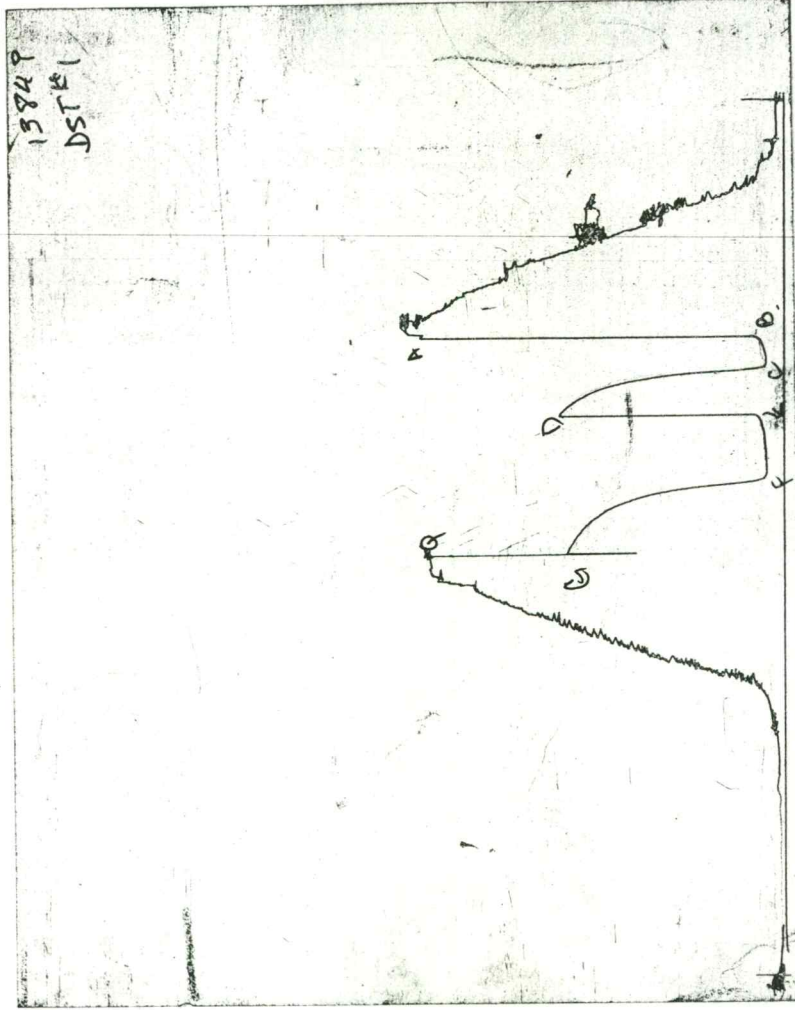
SAMPLES:

SENT TO:

Amt. of fill 0.00 ft
Btm. H. Temp. 141.00 F
Hole Condition
% Porosity 0.00
Packer Size 6.75 in
No. of Packers 2
Cushion Amt. 0.00
Cushion Type
Reversed Out
Tool Chased
Tester Darren Amerine
Co. Rep. Jerry Jespersen
Contr. Duke
Rig # 5
Unit #
Pump T.

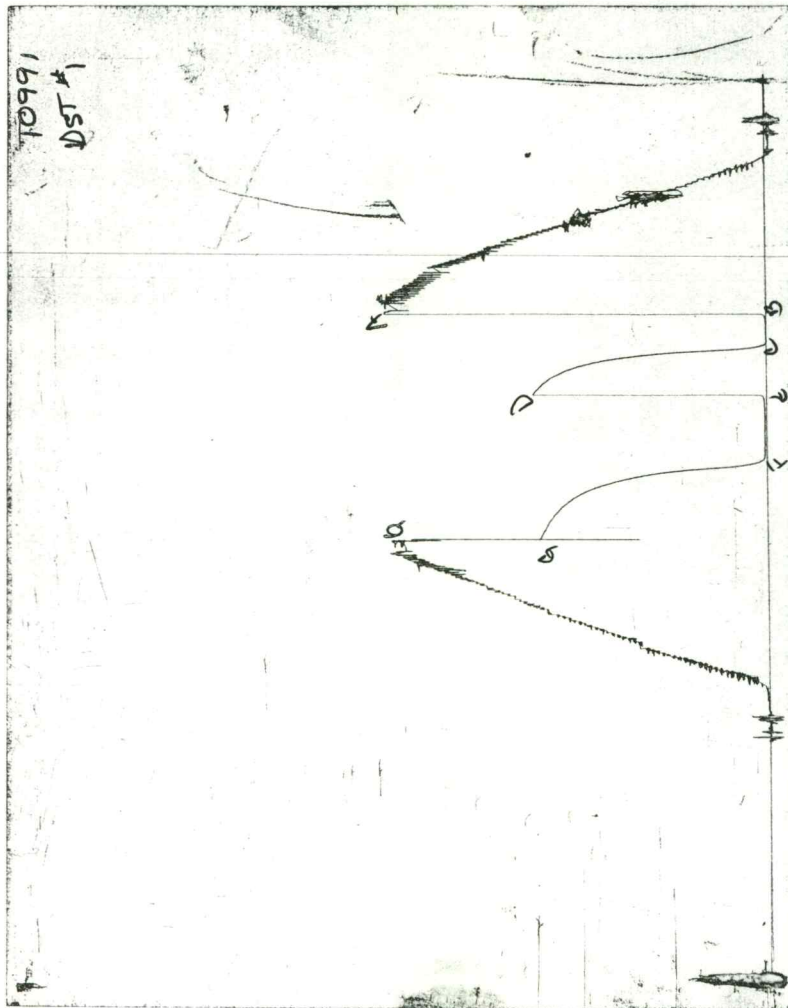
Test Successful: Y

CHART PAGE



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

CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Advantage Resources Inc
WELL NAME: Hal - Ross #2
LOCATION : 20-28S-17W Kiowa Co KS
INTERVAL : 4807.00 To 4834.00 ft

DATE 10/3/97
KB 2222.00 ft TICKET NO: 10049 DST #2
GR 2211.00 ft FORMATION: Mississippian
TD 4834.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10332	10332	13849			PF Fr. 2127 to 2207 hr
SI 60 Range(Psi)	4025.0	4025.0	4375.0	0.0	0.0	IS Fr. 2207 to 2307 hr
SF 60 Clock(hrs)	12 hr	12 hr	12 hr			SF Fr. 2307 to 0007 hr
FS 90 Depth(ft)	4815.0	4815.0	4831.0	0.0	0.0	FS Fr. 0007 to 0127 hr

	Field	1	2	3	4	
A. Init Hydro	2278.0	2275.0	2294.0	0.0	0.0	T STARTED 2000 hr
B. First Flow	51.0	61.0	109.0	0.0	0.0	T ON BOTM 2120 hr
B1. Final Flow	30.0	36.0	49.0	0.0	0.0	T OPEN 2127 hr
C. In Shut-in	1256.0	1252.0	1306.0	0.0	0.0	T PULLED 0127 hr
D. Init Flow	41.0	53.0	105.0	0.0	0.0	T OUT 0430 hr
E. Final Flow	20.0	17.0	42.0	0.0	0.0	
F. Fl Shut-in	1246.0	1250.0	1290.0	0.0	0.0	
G. Final Hydro	2258.0	2194.0	2179.0	0.0	0.0	
Inside/Outside	I	I	O			

RECOVERY

Tot Fluid 45.00 ft of 0.00 ft in DC and 45.00 ft in DP
4774.00 ft of Gas in Pipe
0.00 ft of
45.00 ft of Slightly Oil Cut Watery Mud
0.00 ft of 6%oil 24%water 70%mud
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of RW .6 @ 60 F
SALINITY 15000.00 P.P.M. A.P.I. Gravity 0.00

TOOL DATA-----
Tool Wt. 2100.00 lbs
Wt Set On Packer 20000.00 lbs
Wt Pulled Loose 85000.00 lbs
Initial Str Wt 46000.00 lbs
Unseated Str Wt 46000.00 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 0.00 ft
D.P. Length 4819.00 ft

BLOW DESCRIPTION

Initial Flow:

Gauge Gas

Initial Shut In:

Bled down for 10 mins, no blow back

Final Flow:

Gauge Gas

Final Shut In:

No blow back

SAMPLES:

SENT TO:

MUD DATA-----
Mud Type Chemical
Weight 9.30 lb/cf
Vis. 48.00 S/L
W.L. 12.80 in3
F.C. 0.00 in
Mud Drop
Amt. of fill 0.00 ft
Btm. H. Temp. 151.00 F
Hole Condition
% Porosity 0.00
Packer Size 6.75 in
No. of Packers 2
Cushion Amt. 0.00
Cushion Type
Reversed Out
Tool Chased
Tester Darren Amerine
Co. Rep. Jerry Jespersen
Contr. Duke
Rig # 5
Unit #
Pump T.

Test Successful: Y

GAS RECOVERY

COMPANY: Advantage Resources Inc

DATE: 10/3/97

WELL NAME: Hal - Ross #2

KB Elev: 2222.00 ft TICKET #10049 DST #2

WELL LOCATION: 20-28S-17W Kiowa Co KS

GR Elev: 2211.00 ft FORMATION: Mississippian

INTERVAL Fr.: 4807.00 To 4834.00 T.D.: 4834.00 ft TEST TYPE: CONV

GAS RECOVERY MEASURED WITH Merla Gauge

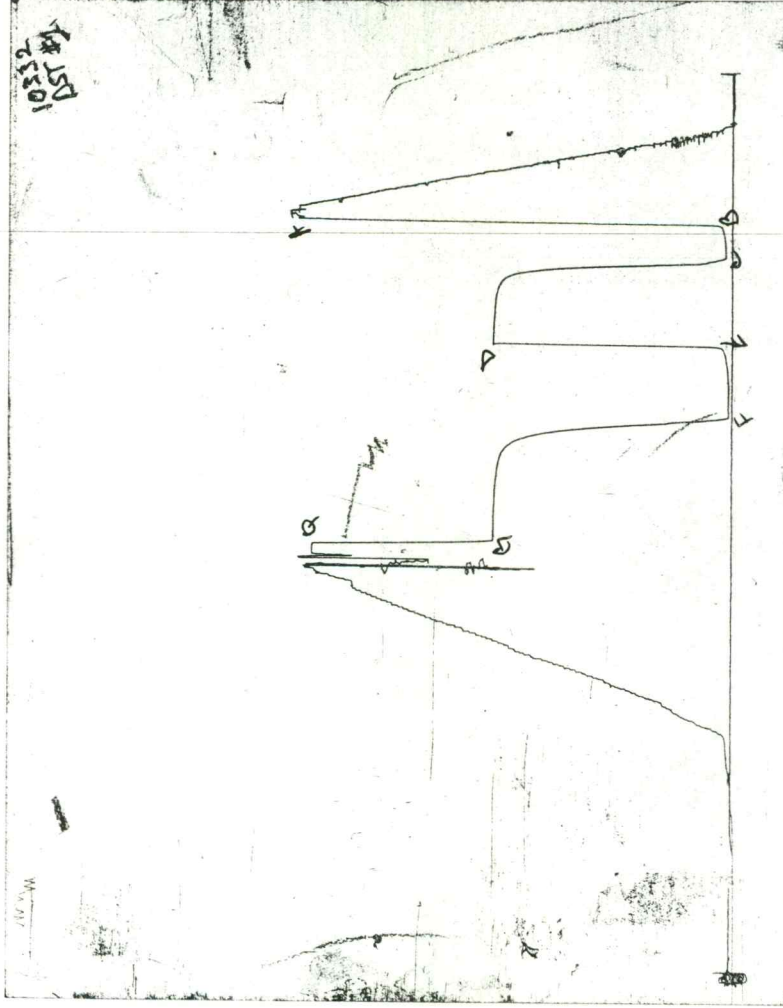
***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.38	0	13	12900.0
10	0.38	0	13	12900.0
15	0.38	0	13	12900.0

***** GAS RATES FOR FLOW #2

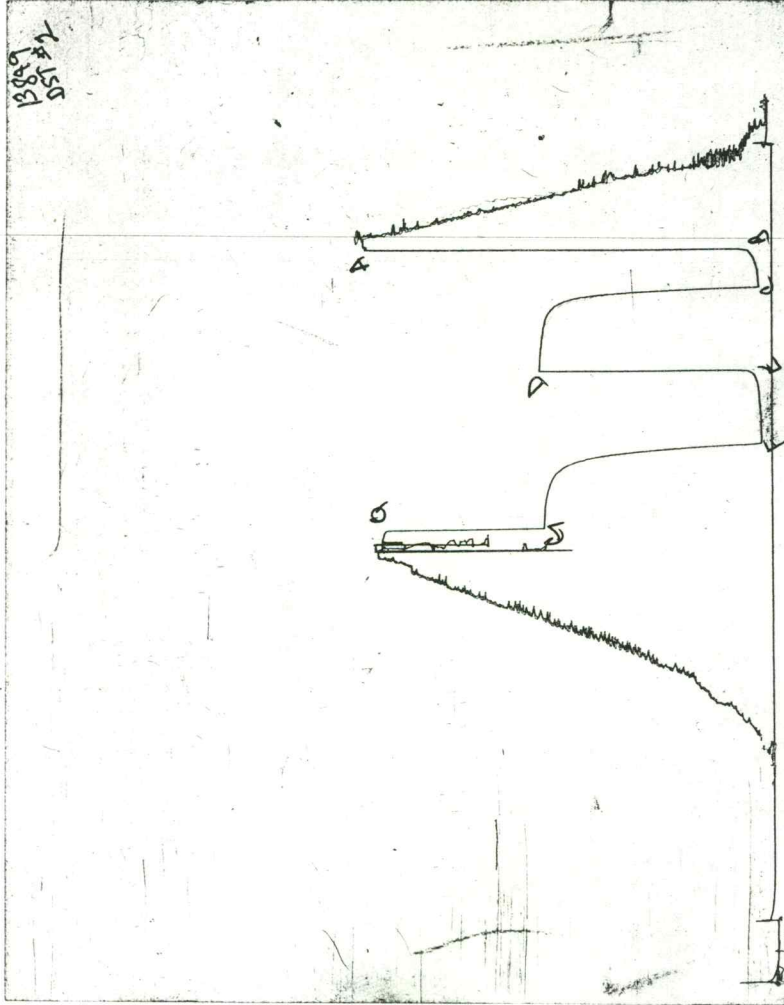
Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.38	0	22	16700.0
10	0.38	0	18	15100.0
15	0.38	0	10	11300.0
20	0.38	0	10	11300.0
25	0.38	0	10	11300.0
30	0.38	0	9	10700.0
35	0.38	0	9	10700.0
40	0.38	0	8	10100.0
45	0.38	0	8	10100.0
50	0.38	0	14	6330.0
55	0.38	0	12	5860.0
60	0.38	0	12	5860.0

CHART PAGE



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

CHART PAGE



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



TRILOBITE TESTING

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

GAS VOLUME REPORT

Advantage Rec. Inc.
OPERATOR

Hol - Ross #2
WELL NAME AND NO.

M.55

#2
DST NO.

G.T. Sin 13 mins Initial reading 14" $\frac{3}{8}$ = 13,400

Min.	Ins. of Water PSIG	Orifice Size	MCF/D	Min.	Ins. of Water PSIG	Orifice Size	MCF/D
5	13"	$\frac{3}{8}$	12,900				
10	13"	$\frac{3}{8}$	12,900				
15	13"	$\frac{3}{8}$	12,900				
<i>Final Flow Period Initial Reading 78" $\frac{3}{8}$ = 31,400</i>							
5	22"	$\frac{3}{8}$	16,700				
10	18"	$\frac{3}{8}$	15,100				
15	10"	$\frac{3}{8}$	11,300				
20	10"	$\frac{3}{8}$	11,300				
25	10"	$\frac{3}{8}$	11,300				
30	9"	$\frac{3}{8}$	10,700				
35	9"	$\frac{3}{8}$	10,700				
40	8"	$\frac{3}{8}$	10,100				
45	8"	$\frac{3}{8}$	10,100				
50	14"	$\frac{1}{4}$	6,330				
55	12"	$\frac{1}{4}$	5,860				
60	12"	$\frac{1}{4}$	5,860				

Remarks:

TRILOBITE TESTING L.L.C.

OPERATOR : Advantage Resources Inc
WELL NAME: Hal - Ross #2
LOCATION : 20-28S-17W Kiowa Co KS
INTERVAL : 4835.00 To 4861.00 ft

DATE 10/4/97
KB 2222.00 ft TICKET NO: 10050 DST #3
GR 2211.00 ft FORMATION: Mississippian
TD 4861.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13849	13849	10332			PF Fr. 1542 to 1612 hr
SI 60 Range(Psi)	4375.0	4375.0	4025.0	0.0	0.0	IS Fr. 1612 to 1712 hr
SF 15 Clock(hrs)	12 hr	12 hr	12 hr			SF Fr. 1712 to 1727 hr
FS 0 Depth(ft)	4840.0	4840.0	4858.0	0.0	0.0	FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	2478.0	2468.0	2416.0	0.0	0.0	T STARTED 1400 hr
B. First Flow	89.0	103.0	55.0	0.0	0.0	T ON BOTM 1530 hr
B1. Final Flow	56.0	34.0	42.0	0.0	0.0	T OPEN 1542 hr
C. In Shut-in	1327.0	1320.0	1323.0	0.0	0.0	T PULLED 1727 hr
D. Init Flow	11.0	103.0	94.0	0.0	0.0	T OUT 2200 hr
E. Final Flow	78.0	55.0	82.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2258.0	2317.0	2354.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	I	I	O			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 55000.00 lbs
						Initial Str Wt 48000.00 lbs
						Unseated Str Wt 49000.00 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 0.00 ft
						D.P. Length 4850.00 ft

RECOVERY

Tot Fluid 90.00 ft of 0.00 ft in DC and 90.00 ft in DP
1430.00 ft of Gas In Pipe
0.00 ft of
30.00 ft of Watery Mud Cut Oil
0.00 ft of 4%water 38%mud 58%oil
30.00 ft of Free Oil trace of Water
0.00 ft of
30.00 ft of Heavy Mud cut Oil
0.00 ft of 34%mud 66%oil trace of water
SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
Strong blow, bottom of bucket in 2 min

Initial Shut In:
Bled down for 5 mins

Final Flow:
Strong blow

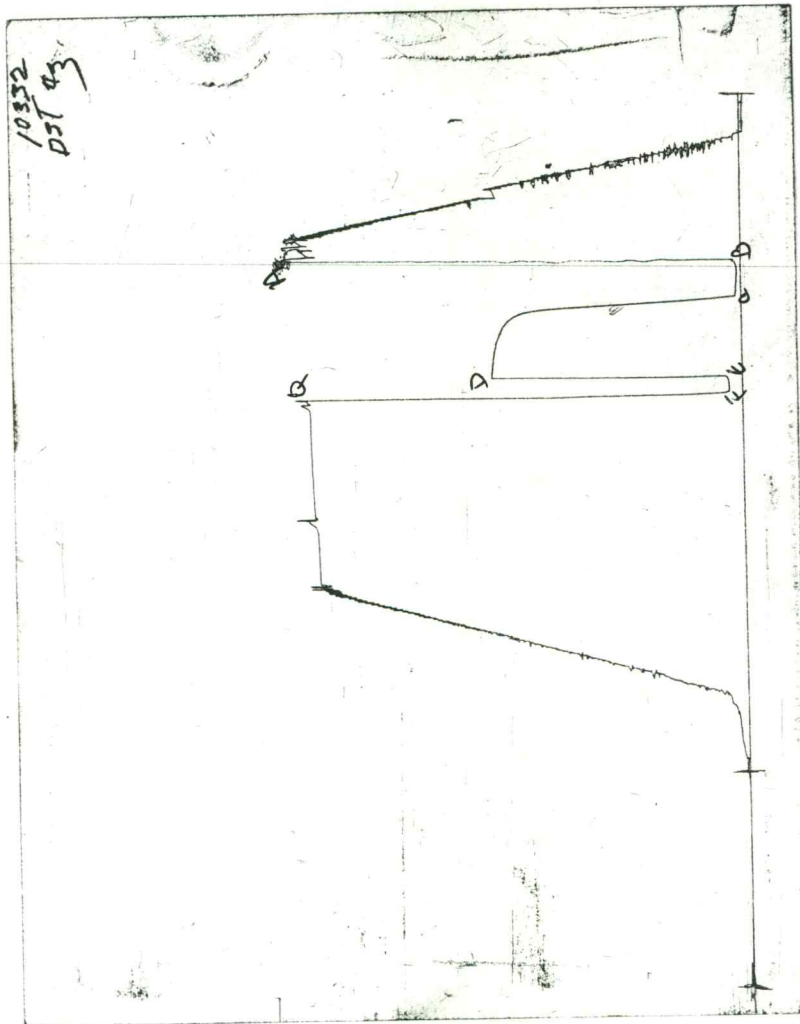
SAMPLES:
SENT TO:

MUD DATA-----
Mud Type Chemcial
Weight 9.30 lb/cf
Vis. 46.00 S/L
W.L. 12.80 in3
F.C. 0.00 in
Mud Drop

Amt. of fill 0.00 ft
Btm. H. Temp. 122.00 F
Hole Condition
% Porosity 0.00
Packer Size 6.75 in
No. of Packers 0
Cushion Amt. 2.00
Cushion Type
Reversed Out
Tool Chased
Tester Darren Amerine
Co. Rep. Jerry Jespersen
Contr. Duke
Rig # 5
Unit #
Pump T.

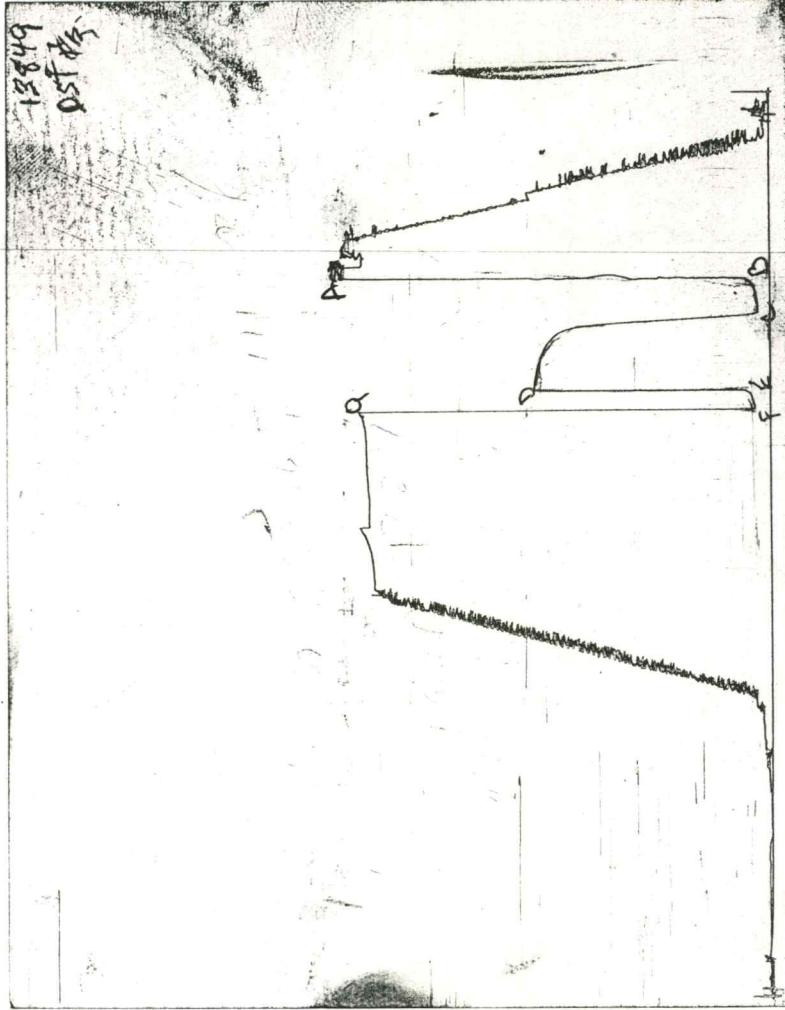
Test Successful: Y

CHART PAGE



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

CHART PAGE



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