

Well Name: Harper C #1-9
Company: McCoy Petroleum Corp.
Location: 9-19s-25w
Ness county Kansas
Date: 10-27-99

TRILOBITE TESTING L.L.C.

OPERATOR : McCoy Petroleum Corp.

DATE 10-24-99

WELL NAME: Harper "C" #1-9

KB 2514.00 ft

TICKET NO.: 11982

DST #1

LOCATION : 9-19S-25W Ness KS.

GR 2509.00 ft

FORMATION: Ft Scott

INTERVAL : 4390.00 To 4435.00 ft

TD 4435.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13339	13339	3024			PF Fr. 1525 to 1555 hr
SI 60 Range (Psi)	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 1555 to 1655 hr
SF 60 Clock (hrs)	12 HR	12	ALP			SF Fr. 1655 to 1755 hr
FS 90 Depth (ft)	4430.0	4430.0	4400.0	0.0	0.0	FS Fr. 1755 to 1925 hr

	Field	1	2	3	4	
A. Init Hydro	2203.0	2204.0	2176.0	0.0	0.0	T STARTED 1341 hr
B. First Flow	31.0	74.0	17.0	0.0	0.0	T ON BOTM 1523 hr
B1. Final Flow	31.0	74.0	26.0	0.0	0.0	T OPEN 1525 hr
C. In Shut-in	124.0	135.0	164.0	0.0	0.0	T PULLED 1925 hr
D. Init Flow	52.0	76.0	26.0	0.0	0.0	T OUT 2115 hr
E. Final Flow	52.0	76.0	35.0	0.0	0.0	
F. Fl Shut-in	145.0	163.0	189.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2163.0	2169.0	2146.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 110000.00 lbs
						Initial Str Wt 58000.00 lbs
						Unseated Str Wt 58000.00 lbs
						Bot Choke 0.75 in
						Hole Size 8.88 in
						D Col. ID 0.00 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 3923.00 ft
						H.W. I.D 2.80 in
						H.W. Length 455.00 ft

RECOVERY

Tot Fluid 30.00 ft of 0.00 ft in DC and 30.00 ft in DP
 30.00 ft of Oil Stained 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

MUD DATA-----

Mud Type Chemical
 Weight 9.20 lb/cf
 Vis. 46.00 S/L
 W.L. 10.40 in3
 F.C. 0.00 in
 Mud Drop N

BLOW DESCRIPTION

Initial Flow:
 Weak 1/2" blow built to 3"
 Initial Shut-in:
 No blow back
 Final Flow:
 Weak 1/2" blow built to 3"
 Final Shut-in:
 No blow back

Amt. of fill 0.00 ft
 Btm. H. Temp. 115.00 F
 Hole Condition Good
 % 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 Rod Steinbrink
 Co. Rep. Corey Baker
 Contr. Shields
 Rig # 1
 Unit #
 Pump T.

SAMPLES:

SENT TO:

Test Successful: Y

TEST HISTORY

11982 DST #1 Harper #C 1-9 McCoy Petroleum

Flag Points
t(Min.) P(PSIg)

A:	0.00	2176.16
B:	0.00	17.87
C:	30.50	26.38
D:	60.25	164.61
E:	0.00	26.12
F:	59.25	35.75
G:	91.25	189.82
Q:	0.00	2146.38

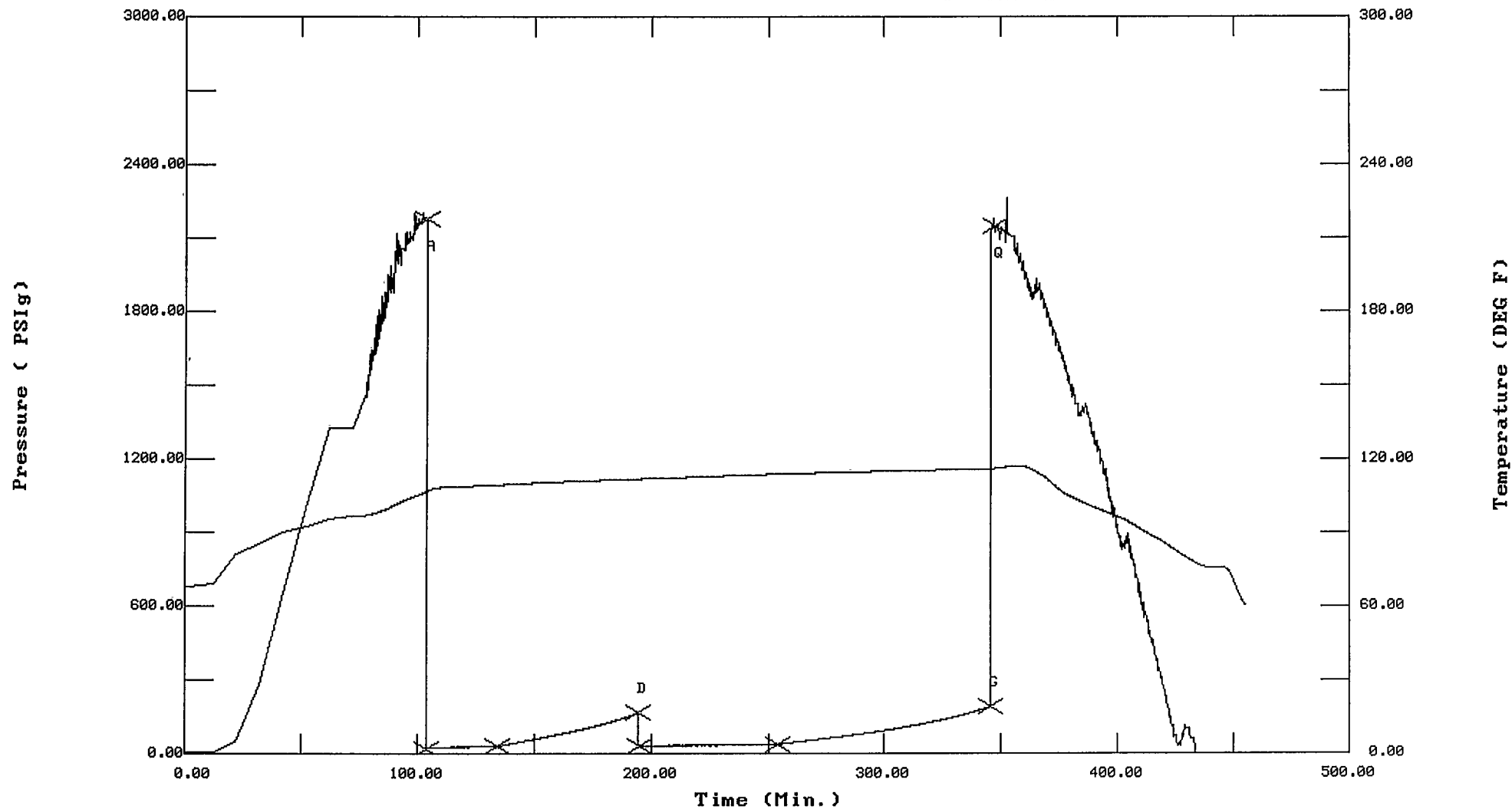
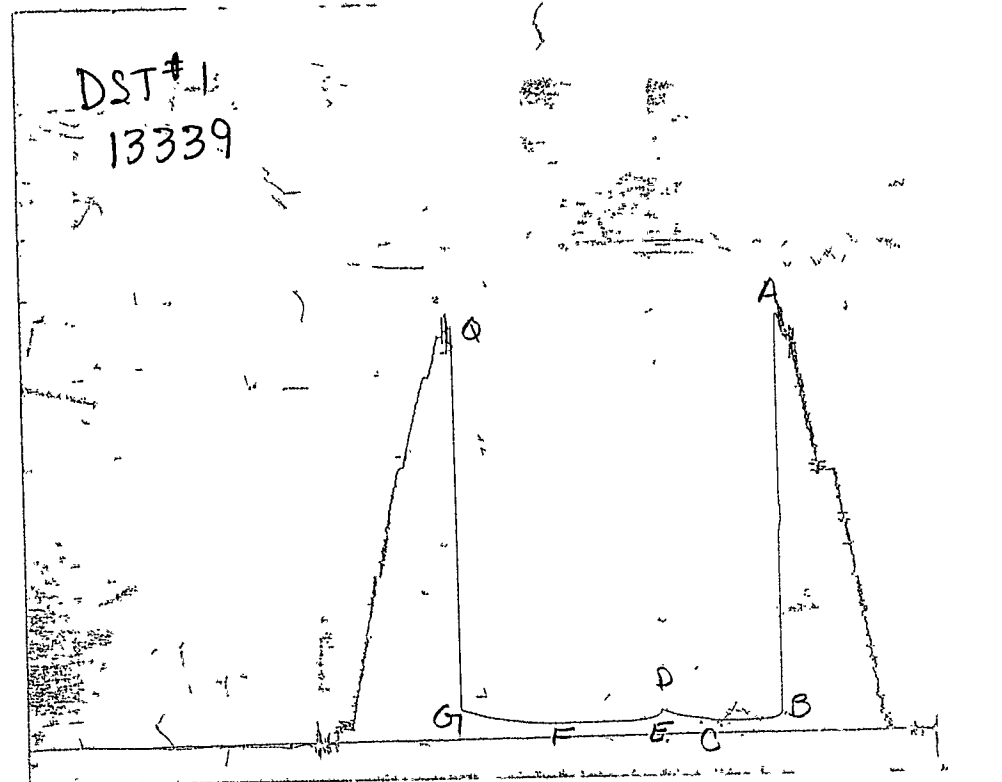


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This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

OPERATOR : McCoy Petroleum Corp.

DATE 10-25-99

WELL NAME: Harper C #1-9

KB 2514.00 ft

TICKET NO: 11983 DST #2

LOCATION : 9-19s-25w Ness co KS

GR 2509.00 ft

FORMATION: Mississippian

INTERVAL : 4468.00 To 4499.00 ft

TD 4499.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13339	13339	13309			PF Fr. 1255 to 1325 hr
SI 30 Range(Psi)	4000.0	4000.0	4700.0	0.0	0.0	IS Fr. 1325 to 1355 hr
SF 30 Clock(hrs)	12	12	12			SF Fr. 1355 to 1425 hr
FS 30 Depth(ft)	4475.0	4475.0	4480.0	0.0	0.0	FS Fr. 1425 to 1455 hr

	Field	1	2	3	4	
A. Init Hydro	2223.0	2239.0	0.0	0.0	0.0	T STARTED 1115 hr
B. First Flow	10.0	37.0	0.0	0.0	0.0	T ON BOTM 1250 hr
B1. Final Flow	10.0	37.0	0.0	0.0	0.0	T OPEN 1255 hr
C. In Shut-in	31.0	38.0	0.0	0.0	0.0	T PULLED 1255 hr
D. Init Flow	10.0	37.0	0.0	0.0	0.0	T OUT 1700 hr
E. Final Flow	10.0	37.0	0.0	0.0	0.0	
F. Fl Shut-in	31.0	35.0	0.0	0.0	0.0	
G. Final Hydro	2163.0	2179.0	0.0	0.0	0.0	
Inside/Outside	0	0	I			

TOOL DATA-----

Tool Wt.	1800.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	80000.00 lbs
Initial Str Wt	65000.00 lbs
Unseated Str Wt	65000.00 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	4017.00 ft

RECOVERY

Tot Fluid	11.00 ft of	0.00 ft in DC and	11.00 ft in DP
1.00	ft of Free oil		
10.00	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		

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

BLOW DESCRIPTION

Initial Flow:

Weak surface blow died at 15 mins.

Final Flow:

No return blow

MUD DATA-----

Mud Type	Chemical
Weight	9.30 lb/cf
Vis.	45.00 S/L
W.L.	9.60 in3
F.C.	0.00 in
Mud Drop	

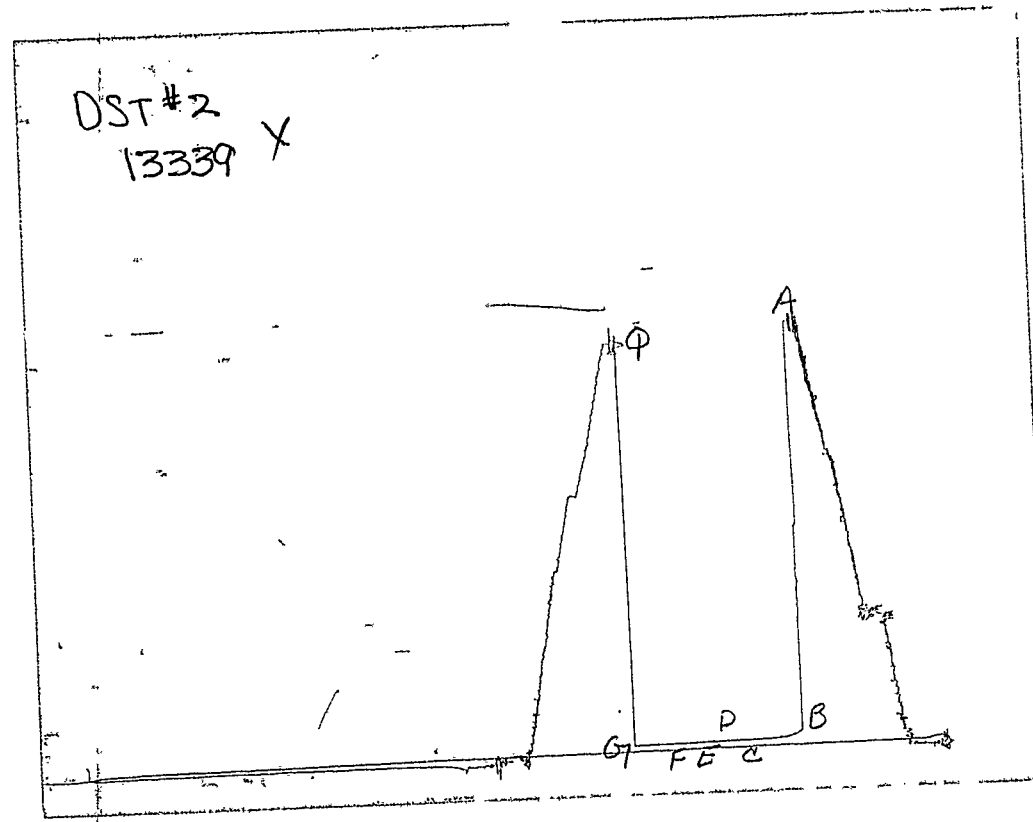
Amt. of fill	0.00 ft
Btm. H. Temp.	125.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Rod Steinbrink
Co. Rep.	Corey Baker
Contr.	Shields
Rig #	1
Unit #	
Pump T.	

SAMPLES:

SENT TO:

Test Successful: Y

CHART PAGE



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TRILOBITE TESTING L.L.C.

OPERATOR : McCoy Petroleum Corp.

DATE 10-26-99

WELL NAME: Harper C #1-9

KB 2514.00 ft

TICKET NO: 11984 DST #3

LOCATION : 9-19s-25w Ness co KS

GR 2509.00 ft

FORMATION: Mississippian

INTERVAL : 4469.00 To 4504.00 ft

TD 4504.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13339	13339	13309			PF Fr. 0150 to 0220 hr
SI 60 Range(Psi)	4000.0	4000.0	4700.0	0.0	0.0	IS Fr. 0220 to 0320 hr
SF 60 Clock(hrs)	12	12	12			SF Fr. 0320 to 0420 hr
FS 90 Depth(ft)	4475.0	4475.0	4480.0	0.0	0.0	FS Fr. 0420 to 0550 hr

	Field	1	2	3	4	
A. Init Hydro	2273.0	2224.0	0.0	0.0	0.0	T STARTED 2330 hr
B. First Flow	53.0	23.0	0.0	0.0	0.0	T ON BOTM 0145 hr
B1. Final Flow	83.0	35.0	0.0	0.0	0.0	T OPEN 0150 hr
C. In Shut-in	1261.0	1220.0	0.0	0.0	0.0	T PULLED 0550 hr
D. Init Flow	145.0	115.0	0.0	0.0	0.0	T OUT 0815 hr
E. Final Flow	197.0	151.0	0.0	0.0	0.0	
F. Fl Shut-in	1281.0	1225.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2223.0	2193.0	0.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 80000.00 lbs
						Initial Str Wt 68000.00 lbs
						Unseated Str Wt 70000.00 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 4926.00 ft

RECOVERY

Tot Fluid 500.00 ft of 0.00 ft in DC and 500.00 ft in DP

100.00 ft of Gas in pipe

200.00 ft of Clean gassy oil 15% gas 85 % oil

180.00 ft of Gassy oil cut mud 30% gas 20% oil 50% mud

120.00 ft of Gassy oily water cut mud

0.00 ft of 20% gas 10% oil 25% water 45% mud

0.00 ft of

0.00 ft of

0.00 ft of

SALINITY 2700.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:

Surface blow built to bottom in
30 mins.

Initial Shut-in:

No blow back

Final Flow:

Surface blow return built to bottom
in 40 mins.

Final Shut-in:

No blow back

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.40 lb/cf
Vis.	46.00 S/L
W.L.	9.60 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	140.00 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	Rod Steinbrink
Co. Rep.	Corey Baker
Contr.	Shields
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

CALCULATED RECOVERY ANALYSIS

DST 3

TICKET 11984

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
DRILL 1	200	15	30	85	170	0	0	0	0
PIPE 2	180	30	54	20	36	0	0	50	90
3	120	20	24	10	0	25	30	45	54
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
WEIGHT 1	0	0	0	0	0	0	0	0	0
PIPE 2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
DRILL 1	0	0	0	0	0	0	0	0	0
COLLARS 2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
TOTAL	500	0	108	0	206	0	30	0	144

BBL OIL= 2.92932 * HRS OPEN 1.5 = 46.86912
 BBL WATER= 0.4266 * = 6.8256
 BBL MUD= 2.04768
 BBL GAS = 1.53576

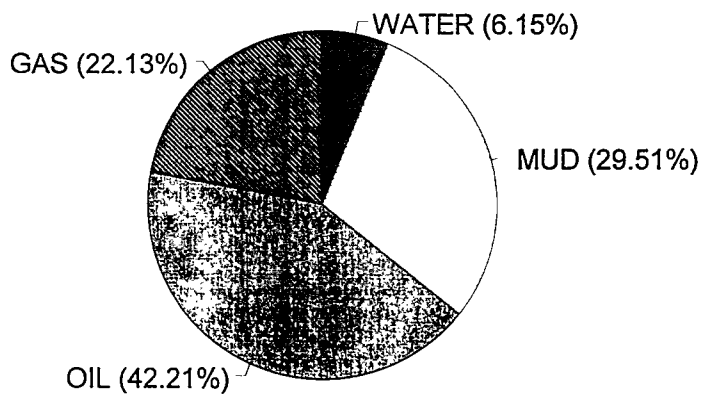
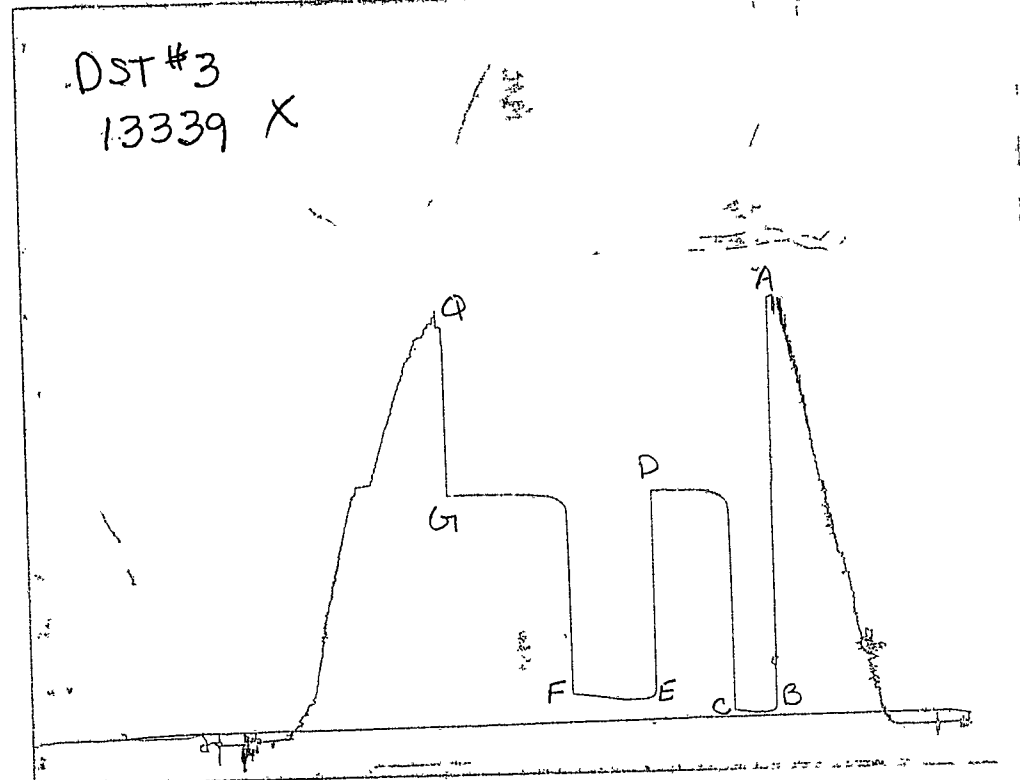


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