

WELL NAME: Davies "A" #1
COMPANY: Pickrell Drilling Company Inc.
LOCATION: Sec. 13 Twp. 34S Rge. 32W
Seward County Kansas
DATE: 03/31/97

TRILOBITE TESTING L.L.C.

OPERATOR : Pickrell Drilling Co Inc
WELL NAME: Davies "A" # 1
LOCATION : 13-34S-32W Seward KS
INTERVAL : 2616.00 To 2710.00 ft

DATE 3/13/97
KB 2750.00 ft TICKET NO: 9500 DST #1
GR 2745.00 ft FORMATION: Krider
TD 2710.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10248	10248	13788			PF Fr. 2250 to 2320 hr
SI 60 Range(Psi)	4400.0	4400.0	4650.0	0.0	0.0	IS Fr. 2320 to 0020 hr
SF 30 Clock(hrs)	12 HR	12 HR	12 HR			SF Fr. 0020 to 0050 hr
FS 60 Depth(ft)	2702.0	2702.0	2707.0	0.0	0.0	FS Fr. 0050 to 0150 hr

	Field	1	2	3	4	
A. Init Hydro	1329.0	1469.0	0.0	0.0	0.0	T STARTED 2100 hr
B. First Flow	61.0	85.0	0.0	0.0	0.0	T ON BOTM 2240 hr
B1. Final Flow	85.0	101.0	0.0	0.0	0.0	T OPEN 2250 hr
C. In Shut-in	508.0	514.0	0.0	0.0	0.0	T PULLED 0150 hr
D. Init Flow	91.0	121.0	0.0	0.0	0.0	T OUT 0310 hr
E. Final Flow	110.0	124.0	0.0	0.0	0.0	
F. Fl Shut-in	480.0	480.0	0.0	0.0	0.0	
G. Final Hydro	1294.0	1255.0	0.0	0.0	0.0	
Inside/Outside	I	I	O			

RECOVERY

Tot Fluid 125.00 ft of 125.00 ft in DC and 0.00 ft in DP
65.00 ft of Watery Mud
0.00 ft of 18%water 82%mud
60.00 ft of Watery Mud
0.00 ft of 30%water 70%mud
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of RW 1.99 @ 50F

SALINITY 4500.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
Weak to fair blow, 2 - 5"

Initial Shut In:

Final Flow:
Weak blow, .5 - 2.5"

Final Shut In:

SLID TOOL 5 - 6 ' TO BOTTOM

SAMPLES:

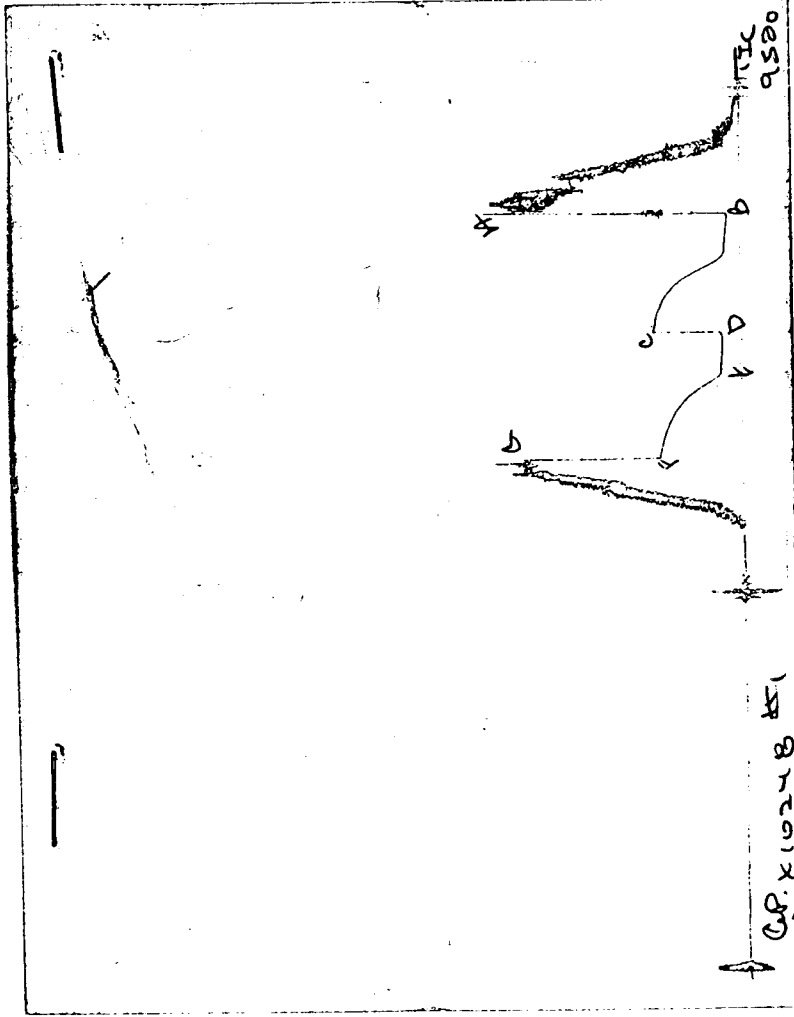
SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.20 lb/cf
Vis.	44.00 S/L
W.L.	18.40 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	89.00 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	Gary Pevoteaux
Co. Rep.	Bill Klaver
Contr.	Co Tools
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Pickrell Drilling Co Inc
WELL NAME: Davies "A" #1
LOCATION : 13-34S-32W Seward KS
INTERVAL : 3344.00 To 3402.00 ft

DATE 3/15/97			
KB	2744.00 ft	TICKET NO: 9912	DST #2
GR	2739.00 ft	FORMATION: Council Grove	
TD	3402.00 ft	TEST TYPE: CONV	

RECORDED DATA

Mins			Field	1	2	3	4	TIME DATA-----
PF	30	Rec.	13339	13339	13276			PF Fr. 1309 to 1339 hr
SI	60	Range(Psi)	4000.0	4000.0	4000.0	0.0	0.0	IS Fr. 1339 to 1439 hr
SF	90	Clock(hrs)	12 HR	12 HR	12 HR			SF Fr. 1439 to 1609 hr
FS	90	Depth(ft)	3397.0	3397.0	3350.0	0.0	0.0	FS Fr. 1609 to 1739 hr

	Field	1	2	3	4			
A. Init Hydro	1642.0	1898.0	0.0	0.0	0.0	T STARTED	1130	hr
B. First Flow	145.0	158.0	0.0	0.0	0.0	T ON BOTM	1300	hr
B1. Final Flow	301.0	322.0	0.0	0.0	0.0	T OPEN	1309	hr
C. In Shut-in	839.0	873.0	0.0	0.0	0.0	T PULLED	1739	hr
D. Init Flow	395.0	417.0	0.0	0.0	0.0	T OUT	2000	hr
E. Final Flow	619.0	656.0	0.0	0.0	0.0			
F. Fl Shut-in	839.0	877.0	0.0	0.0	0.0	TOOL DATA-----		
G. Final Hydro	1592.0	1642.0	0.0	0.0	0.0	Tool Wt.		18
Inside/Outside	O	O	I			Wt Set On Packer		300

RECOVERY

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RECOVERED
Tot Fluid 1368.00 ft of 218.00 ft in DC and 1150.00 ft in DP
0.00 ft of
1368.00 ft of Water
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
0.00 ft of RW .16 @ 70F
SALINITY 50000.00 P.P.M. A.P.I. Gravity 0.00

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BLOW DESCRIPTION

Initial Flow:
Fair to strong blow off bottom in 4min

Initital Shut In:
Bled off blow, no return

Final Flow:
Weak to fair blow off bottom in 6 min

Final Shut In:
Bled off blow, no return

SAMPLES:
SENT TO:

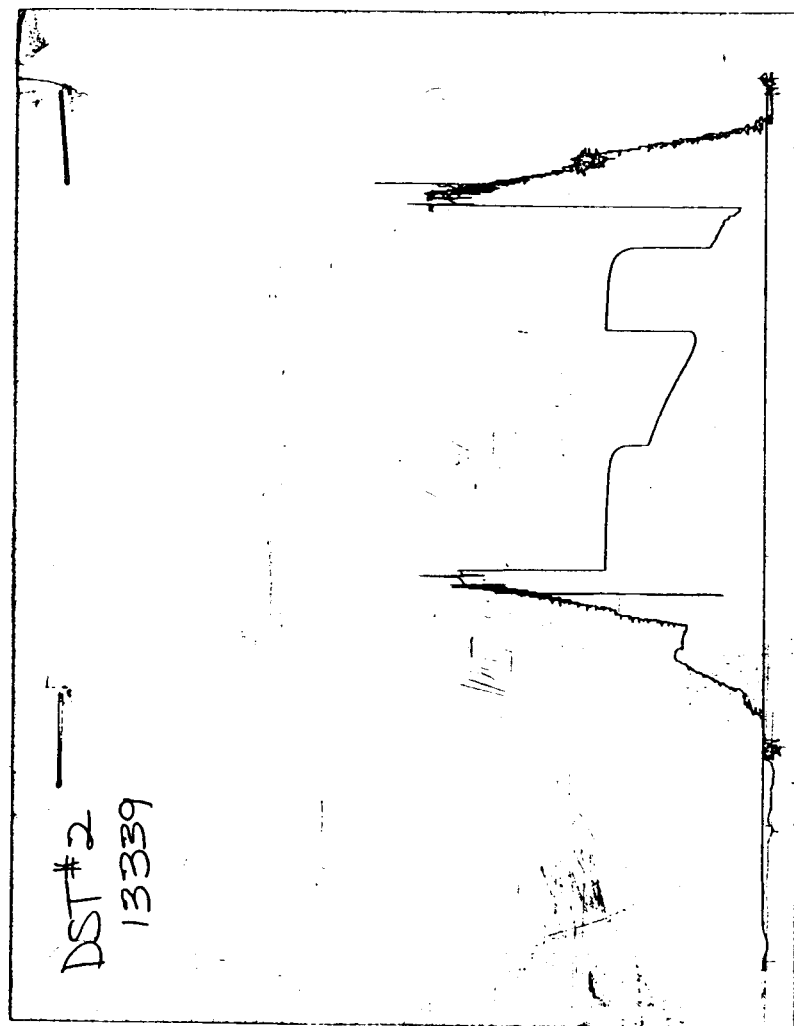
MUD DATA-----

Mud Type	Chemical
Weight	9.50 lb/cf
Vis.	34.00 S/L
W.L.	0.00 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00	ft
Btm. H. Temp.	128.00	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 Stienbrink	
Co. Rep.	Bill Klaver	
Contr.	Pickrell	
Rig #		1
Unit #		
Pump T.		

Test Successful: Y

CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Pickrell Drilling Co Inc
WELL NAME: Davies "A" #1
LOCATION : 13-34S-32W Seward Cty KS
INTERVAL : 4374.00 To 4425.00 ft

DATE 3/18/97
KB 2744.00 ft
GR 2739.00 ft
TD 4425.00 ft
TICKET NO: 8592
FORMATION: Toronto
TEST TYPE: CONV
DST #3

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11038	11038	5495			PF Fr. 0200 to 0230 hr
SI 60 Range(Psi)	5075.0	5075.0	4200.0	0.0	0.0	IS Fr. 0230 to 0330 hr
SF 90 Clock(hrs)	12 hr	12 hr	12 hr			SF Fr. 0330 to 0500 hr
FS 90 Depth(ft)	4383.0	4383.0	4422.0	0.0	0.0	FS Fr. 0500 to 0630 hr

	Field	1	2	3	4	
A. Init Hydro	2157.0	2153.0	0.0	0.0	0.0	T STARTED 0030 hr
B. First Flow	14.0	41.0	0.0	0.0	0.0	T ON BOTM 0155 hr
B1. Final Flow	27.0	52.0	0.0	0.0	0.0	T OPEN 0200 hr
C. In Shut-in	1020.0	109.0	0.0	0.0	0.0	T PULLED 0630 hr
D. Init Flow	41.0	88.0	0.0	0.0	0.0	T OUT 0900 hr
E. Final Flow	55.0	93.0	0.0	0.0	0.0	
F. Fl Shut-in	1121.0	1142.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2055.0	2118.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 25000.00 lbs
						Wt Pulled Loose 95000.00 lbs
						Initial Str Wt 55000.00 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 238.00 ft
						D.P. Length 4109.00 ft

RECOVERY

Tot Fluid 125.00 ft of 125.00 ft in DC and 0.00 ft in DP
125.00 ft of Drilling mud w/trace of oil
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 -
Weak blow - built to 2"

Final Flow -
Weak blow - built to 3.5"

SAMPLES:

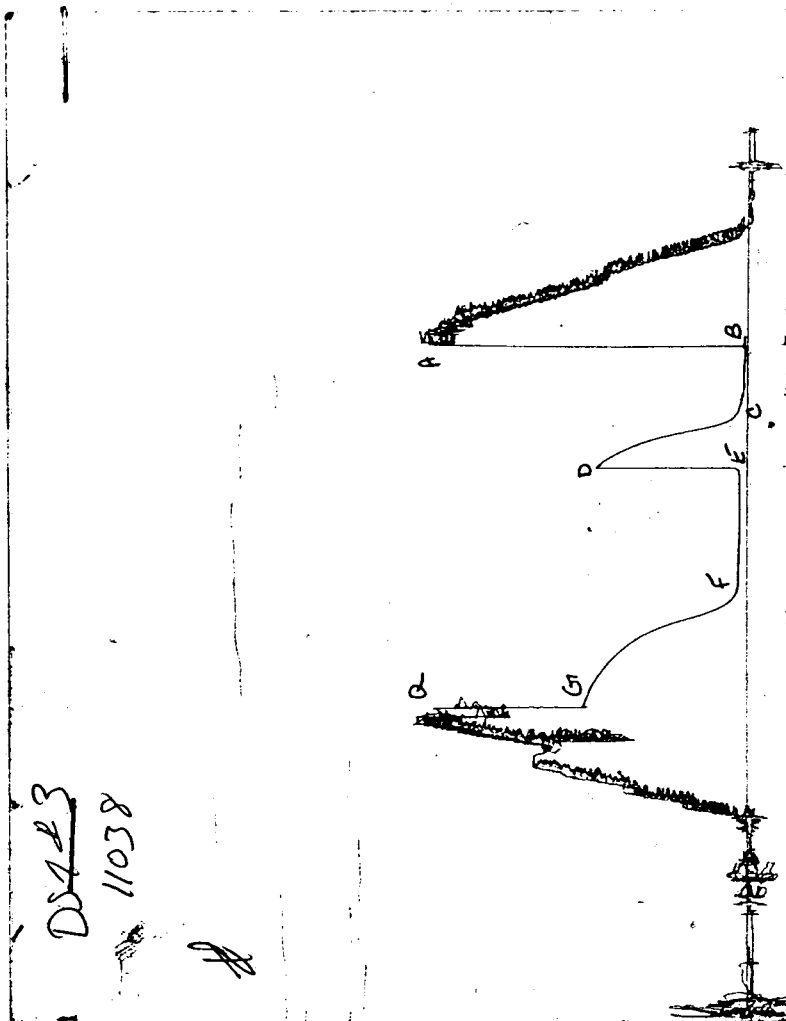
SENT TO:

MUD DATA-----
Mud Type Chemical
Weight 8.80 lb/cf
Vis. 42.00 S/L
W.L. 12.00 in3
F.C. 0.00 in
Mud Drop

Amt. of fill 0.00 ft
Btm. H. Temp. 117.00 F
Hole Condition good
% Porosity 0.00
Packer Size 6.75 in
No. of Packers 2
Cushion Amt. 0.00
Cushion Type
Reversed Out
Tool Chased
Tester Tom Horacek
Co. Rep. Bill Klaver
Contr. Pickrell
Rig # 1
Unit #
Pump T.

Test Successful: Y

CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Pickrell Drilling Co.
WELL NAME: Davies A #1
LOCATION : 13-34S-32W Sewared KS
INTERVAL : 4830.00 To 4850.00 ft

DATE 3/19/97
KB 2744.00 ft TICKET NO: 8593 DST #4
GR 2739.00 ft FORMATION: Kansas City "Drum"
TD 4850.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 0 Rec.	11038	11038	5495			PF Fr. to hr
SI 0 Range(Psi)	5075.0	5075.0	4200.0	0.0	0.0	IS Fr. to hr
SF 0 Clock(hrs)	12 HR	12 HR	12 HR			SF Fr. to hr
FS 0 Depth(ft)	4839.0	4839.0	4847.0	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 1615 hr
B. First Flow	0.0	0.0	0.0	0.0	0.0	T ON BOTM hr
Bl. Final Flow	0.0	0.0	0.0	0.0	0.0	T OPEN hr
C. In Shut-in	0.0	0.0	0.0	0.0	0.0	T PULLED hr
D. Init Flow	0.0	0.0	0.0	0.0	0.0	T OUT 2115 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	TOOL DATA-----
G. Final Hydro	0.0	0.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	I	I	O			Wt Set On Packer 0.00 lbs
						Wt Pulled Loose 0.00 lbs
						Initial Str Wt 0.00 lbs
						Unseated Str Wt 0.00 lbs
						Bot Choke 0.00 in
						Hole Size 0.00 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 238.00 ft
						D.P. Length 4578.00 ft

RECOVERY

Tot Fluid 0.00 ft of 0.00 ft in DC and 0.00 ft in DP
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:
8 stands from bottom
Tool would not go, MISRUN

Initial Shut In:

Final Flow:

Final Shut In:

SAMPLES:

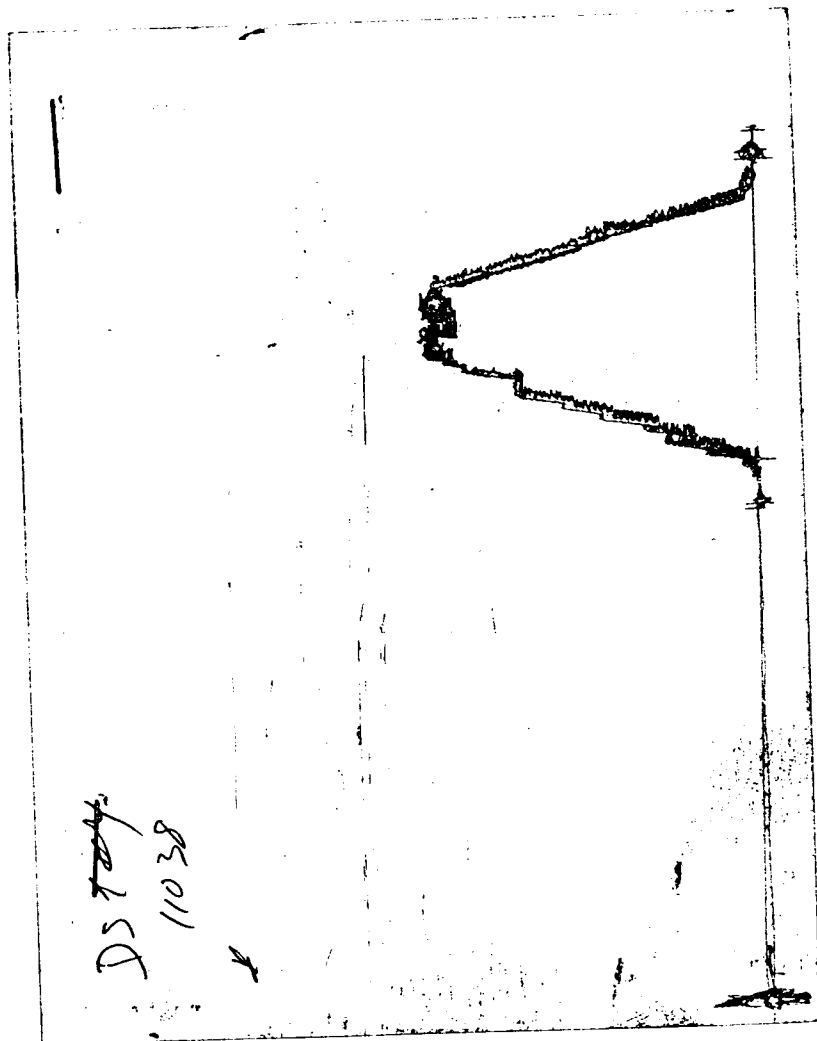
SENT TO:

MUD DATA-----
Mud Type Chemical
Weight 9.10 lb/cf
Vis. 49.00 S/L
W.L. 10.40 in3
F.C. 0.00 in
Mud Drop

Amt. of fill 0.00 ft
Btm. H. Temp. 0.00 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 Tom Horacek
Co. Rep. Bill Klaver
Contr. Pickrell Drlg
Rig # 1
Unit #
Pump T.

Test Successful: N

CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Pickrell Drilling Co
WELL NAME: Davies A #1
LOCATION : 13-34S-32W Seward KS
INTERVAL : 4830.00 To 4850.00 ft

DATE 3/20/97
KB 2744.00 ft TICKET NO: 8594 DST #5
GR 2737.00 ft FORMATION: Kansas City "Drum"
TD 4850.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11038	11038	5495			PF Fr. 0950 to 1020 hr
SI 60 Range(Psi)	5075.0	5075.0	4200.0	0.0	0.0	IS Fr. 1020 to 1120 hr
SF 90 Clock(hrs)	12 HR	12 HR	12 HR			SF Fr. 1120 to 1250 hr
FS 90 Depth(ft)	4839.0	4839.0	4847.0	0.0	0.0	FS Fr. 1250 to 1420 hr

	Field	1	2	3	4	
A. Init Hydro	2464.0	2483.0	0.0	0.0	0.0	T STARTED 0800 hr
B. First Flow	68.0	96.0	0.0	0.0	0.0	T ON BOTM 0940 hr
Bl. Final Flow	163.0	201.0	0.0	0.0	0.0	T OPEN 0950 hr
C. In Shut-in	1297.0	1314.0	0.0	0.0	0.0	T PULLED 1420 hr
D. Init Flow	243.0	284.0	0.0	0.0	0.0	T OUT 1700 hr
E. Final Flow	455.0	467.0	0.0	0.0	0.0	
F. Fl Shut-in	1448.0	1344.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2413.0	2342.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	I	I	O			Wt Set On Packer 25000.00 lbs
						Wt Pulled Loose 100000.00 lbs
						Initial Str Wt 65000.00 lbs
						Unseated Str Wt 72000.00 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 238.00 ft
						D.P. Length 4578.00 ft

RECOVERY

Tot Fluid 930.00 ft of 238.00 ft in DC and 692.00 ft in DP
110.00 ft of Heavy Oil and Gas Cut Watery Mud
0.00 ft of 15%gas 35%oil 25%water 25%mud
820.00 ft of Salt Water
0.00 ft of
1700.00 ft of Gas In Pipe
0.00 ft of
0.00 ft of RW .080 @ 82F
0.00 ft of
SALINITY 85000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
Strong blow, bottom of bucket in 3 min

Initial Shut In:
Bled off blow, weak blow, built to 8"

Final Flow:
Fair blow, bottom of bucket in 15 min

Final Shut In:
Bled off blow, weak blow, built to 8"

SAMPLES:

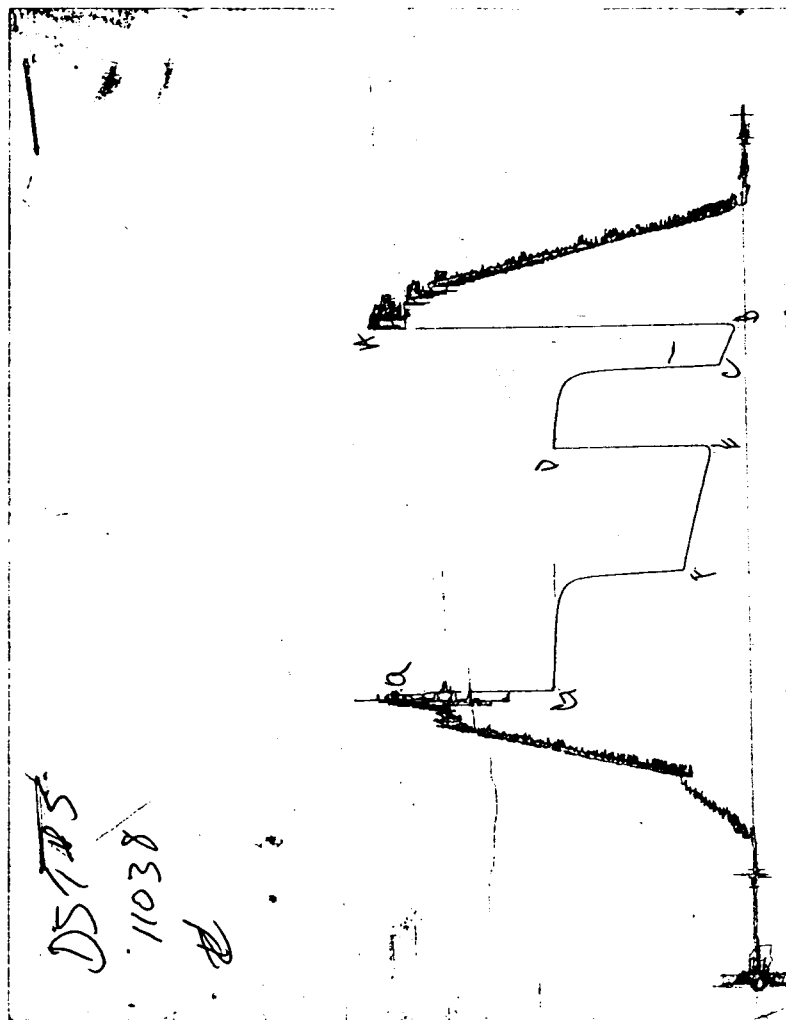
SENT TO:

MUD DATA-----
Mud Type Chemical
Weight 9.10 lb/cf
Vis. 55.00 S/L
W.L. 9.80 in3
F.C. 0.00 in
Mud Drop

Amt. of fill 0.00 ft
Btm. H. Temp. 121.00 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 Tom Horacek
Co. Rep. Bill Klaver
Contr. Pickrell Drlg
Rig # 1
Unit #
Pump T.

Test Successful: Y

CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Pickrell Drilling Co Inc
WELL NAME: Davies A #1
LOCATION : 13-34S-32W Seward KS
INTERVAL : 5915.00 To 5932.00 ft

DATE 3/25/97
KB 2744.00 ft TICKET NO: 8595 DST #6
GR 2737.00 ft FORMATION: Morrow
TD 5932.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11038	11038	5495			PF Fr. 1250 to 1320 hr
SI 60 Range(Psi)	5075.0	5075.0	4200.0	0.0	0.0	IS Fr. 1320 to 1420 hr
SF 30 Clock(hrs)	12 Hr	12 Hr	12 Hr			SF Fr. 1420 to 1450 hr
FS 60 Depth(ft)	5918.0	5918.0	5929.0	0.0	0.0	FS Fr. 1450 to 1550 hr

	Field	1	2	3	4	
A. Init Hydro	2876.0	3022.0	0.0	0.0	0.0	T STARTED 1015 hr
B. First Flow	14.0	75.0	0.0	0.0	0.0	T ON BOTM 1240 hr
B1. Final Flow	14.0	51.0	0.0	0.0	0.0	T OPEN 1250 hr
C. In Shut-in	68.0	108.0	0.0	0.0	0.0	T PULLED 1550 hr
D. Init Flow	14.0	70.0	0.0	0.0	0.0	T OUT 1800 hr
E. Final Flow	14.0	85.0	0.0	0.0	0.0	
F. Fl Shut-in	82.0	132.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2825.0	2986.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	I	I	O			Wt Set On Packer 25000.00 lbs
						Wt Pulled Loose 90000.00 lbs
						Initial Str Wt 70000.00 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 238.00 ft
						D.P. Length 5659.00 ft

RECOVERY

Tot Fluid 20.00 ft of 20.00 ft in DC and 0.00 ft in DP
20.00 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:
Weak blow, Built to 2"

Initial Shut In:

Final Flow:
Weak blow, died in 25 mins

Final Shut In:

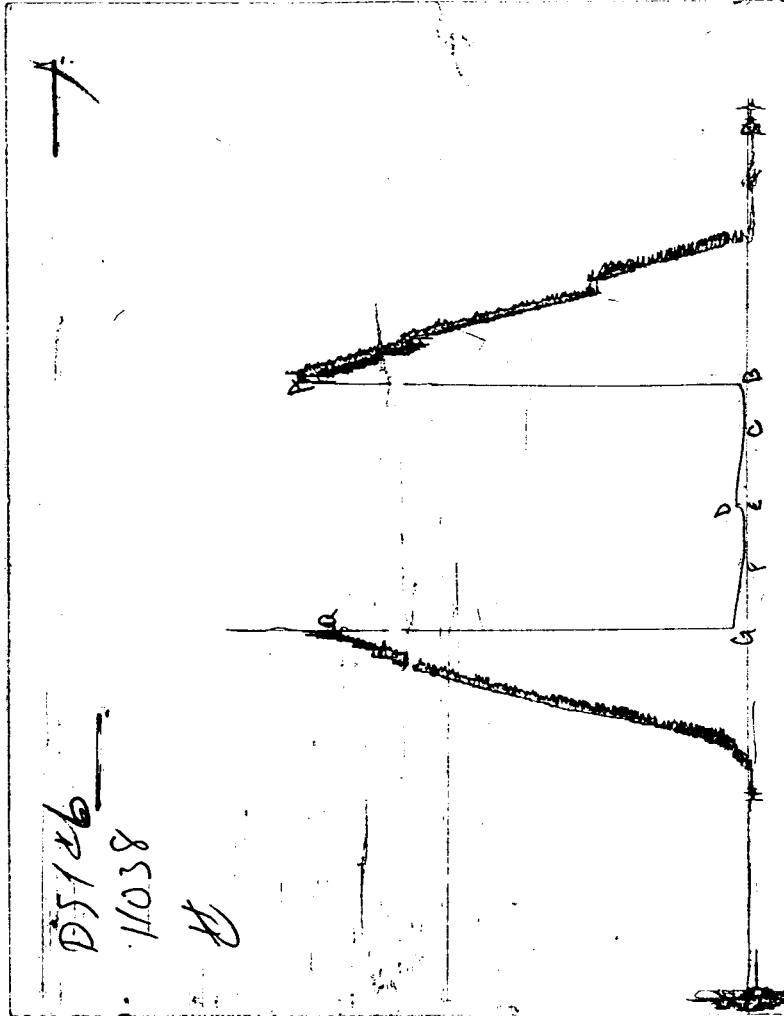
SAMPLES:

SENT TO:

MUD DATA-----
Mud Type Chemical
Weight 9.10 lb/cf
Vis. 52.00 S/L
W.L. 8.00 in3
F.C. 0.00 in
Mud Drop
Amt. of fill 0.00 ft
Btm. H. Temp. 127.00 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 Tom Horacek
Co. Rep. Bill Klaver
Contr. Pickrell Drlg
Rig # 1
Unit #
Pump T.

Test Successful: Y

CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Pickrell Drilling Co Inc
WELL NAME: Davies A # 1
LOCATION : 13-34S-32W Seward KS
INTERVAL : 5955.00 To 6010.00 ft

DATE 3/26/97
KB 2744.00 ft TICKET NO: 8596 DST #7
GR 2737.00 ft FORMATION: Chester
TD 5010.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11038	11038	5495			PF Fr. 1215 to 1245 hr
SI 60 Range(Psi)	5075.0	5075.0	4200.0	0.0	0.0	IS Fr. 1245 to 1345 hr
SF 90 Clock(hrs)	12 HR	12 HR	12 HR			SF Fr. 1345 to 1515 hr
FS 90 Depth(ft)	5959.0	5959.0	6007.0	0.0	0.0	FS Fr. 1515 to 1645 hr

	Field	1	2	3	4	
A. Init Hydro	2902.0	2981.0	0.0	0.0	0.0	T STARTED 0945 hr
B. First Flow	27.0	56.0	0.0	0.0	0.0	T ON BOTM 1205 hr
B1. Final Flow	27.0	32.0	0.0	0.0	0.0	T OPEN 1215 hr
C. In Shut-in	95.0	94.0	0.0	0.0	0.0	T PULLED 1645 hr
D. Init Flow	27.0	48.0	0.0	0.0	0.0	T OUT 1900 hr
E. Final Flow	41.0	33.0	0.0	0.0	0.0	
F. Fl Shut-in	95.0	102.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2876.0	2946.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	I	I	O			Wt Set On Packer 25000.00 lbs
						Wt Pulled Loose 120000.00 lbs
						Initial Str Wt 70000.00 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 208.00 ft
						D.P. Length 5752.00 ft

RECOVERY

Tot Fluid 20.00 ft of 20.00 ft in DC and 0.00 ft in DP
20.00 ft of Slight Gas Cut Drilling Mud
0.00 ft of
0.00 ft of
600.00 ft of Gas In Pipe
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:
Fair blow, bottom of bucket in 12 min

Initial Shut In:
Bled off blow, weak blow, bottom of bucket in 25 min

Final Flow:
Fair blow, bottom of bucket in 15 min

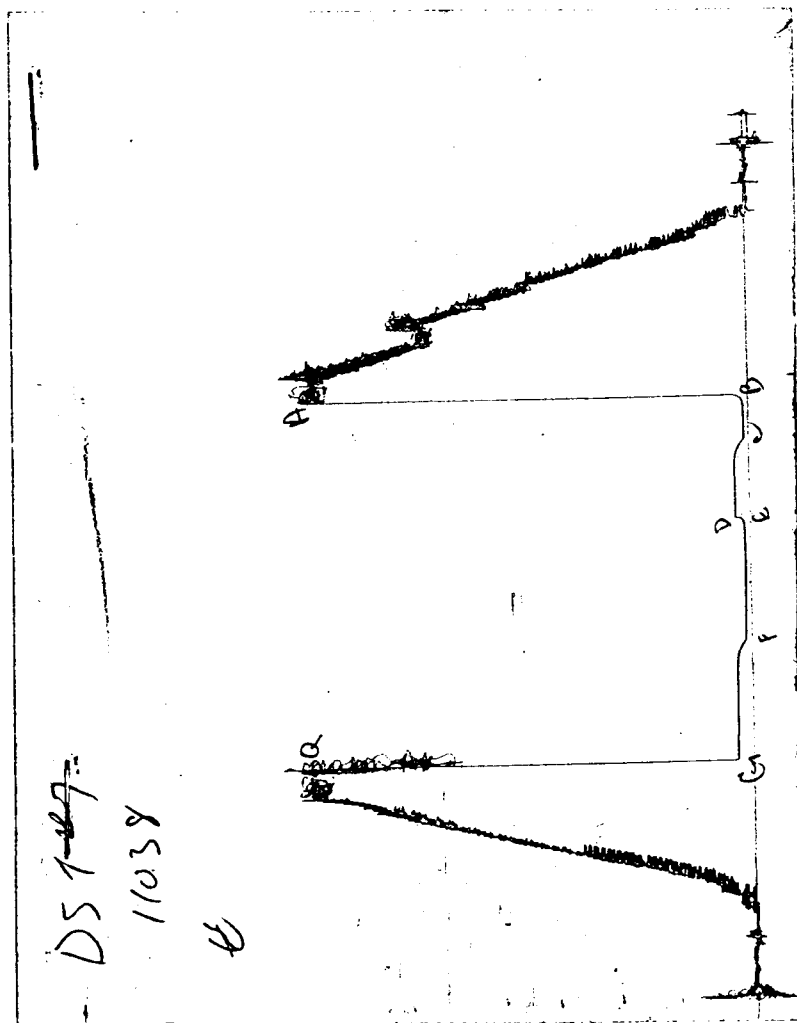
Final Shut In:
Bottom of bucket blow back

SAMPLES:
SENT TO:

MUD DATA-----
Mud Type Chemical
Weight 9.10 lb/cf
Vis. 60.00 S/L
W.L. 8.00 in3
F.C. 0.00 in
Mud Drop
Amt. of fill 0.00 ft
Btm. H. Temp. 128.00 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 Tom Horacek
Co. Rep. Bill Klaver
Contr. Pickrell Drlg
Rig # 1
Unit #
Pump T.

Test Successful: Y

CHART PAGE



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