

WELL NAME: Lund #1-B
COMPANY: Pickrell Drilling Co. Inc.
LOCATION: 13-3S-28W
Decatur County, Kansas
DATE: 12/18/97

TRILOBITE TESTING L.L.C.

OPERATOR : Pickrell Drilling Co Inc
WELL NAME: Lund #1-B
LOCATION : 13-3S-28W Decatur Co. KS
INTERVAL : 3790.00 To 3816.00 ft

DATE 12-9-97
KB 2724.00 ft TICKET NO: 10830 DST #1
GR 2719.00 ft FORMATION: Lansing B
TD 3816.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	13551	13551	13266			PF Fr. 0825 to 0855 hr
SI 60	Range(Psi)	4150.0	4150.0	4000.0	0.0	0.0	IS Fr. 0855 to 0955 hr
SF 90	Clock(hrs)	12 hr	12 hr	12 hr			SF Fr. 0955 to 1125 hr
FS 90	Depth(ft)	3795.0	3795.0	3798.0	0.0	0.0	FS Fr. 1125 to 1255 hr

	Field	1	2	3	4	
A. Init Hydro	1905.0	1901.0	1843.0	0.0	0.0	T STARTED 0600 hr
B. First Flow	52.0	48.0	53.0	0.0	0.0	T ON BOTM 0820 hr
B1. Final Flow	62.0	57.0	62.0	0.0	0.0	T OPEN 0825 hr
C. In Shut-in	1295.0	1286.0	1237.0	0.0	0.0	T PULLED 1255 hr
D. Init Flow	115.0	98.0	100.0	0.0	0.0	T OUT 1500 hr
E. Final Flow	135.0	125.0	119.0	0.0	0.0	
F. Fl Shut-in	1108.0	1113.0	1074.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1864.0	1886.0	1810.0	0.0	0.0	Tool Wt. 2500.00 lbs
Inside/Outside	i	i	o			Wt Set On Packer 25000.00 lbs
						Wt Pulled Loose 0.00 lbs
						Initial Str Wt 62000.00 lbs
						Unseated Str Wt 0.00 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 175.00 ft
						D.P. Length 3595.00 ft

RECOVERY

Tot Fluid 205.00 ft of 175.00 ft in DC and 30.00 ft in DP
30.00 ft of Heavy Oil Cut Muddy Water 30%oil 30%mud 40%w
175.00 ft of Muddy Water 20%mud 80%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

SALINITY 33000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow: Weak to fair blow, built
to 4 inches in bucket.

Initial Shutin:

Final Flow: No blow, flushed tool 10
minutes into Final Flow, weak blow
to fair blow built to 3" in bucket.

Final Shutin:

SAMPLES:
SENT TO:

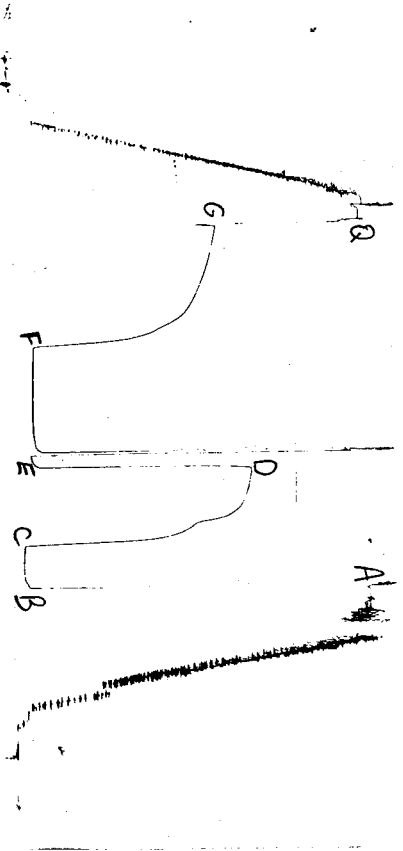
MUD DATA-----
Mud Type Chem
Weight 9.20 lb/cf
Vis. 37.00 S/L
W.L. 8.00 in3
F.C. 0.00 in
Mud Drop

Amt. of fill 0.00 ft
Btm. H. Temp. 105.00 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 Steve Eisenhower
Co. Rep. Bill Klawer
Contr. Pickrell
Rig # 10
Unit #
Pump T.

Test Successful: Y

CHART PAGE

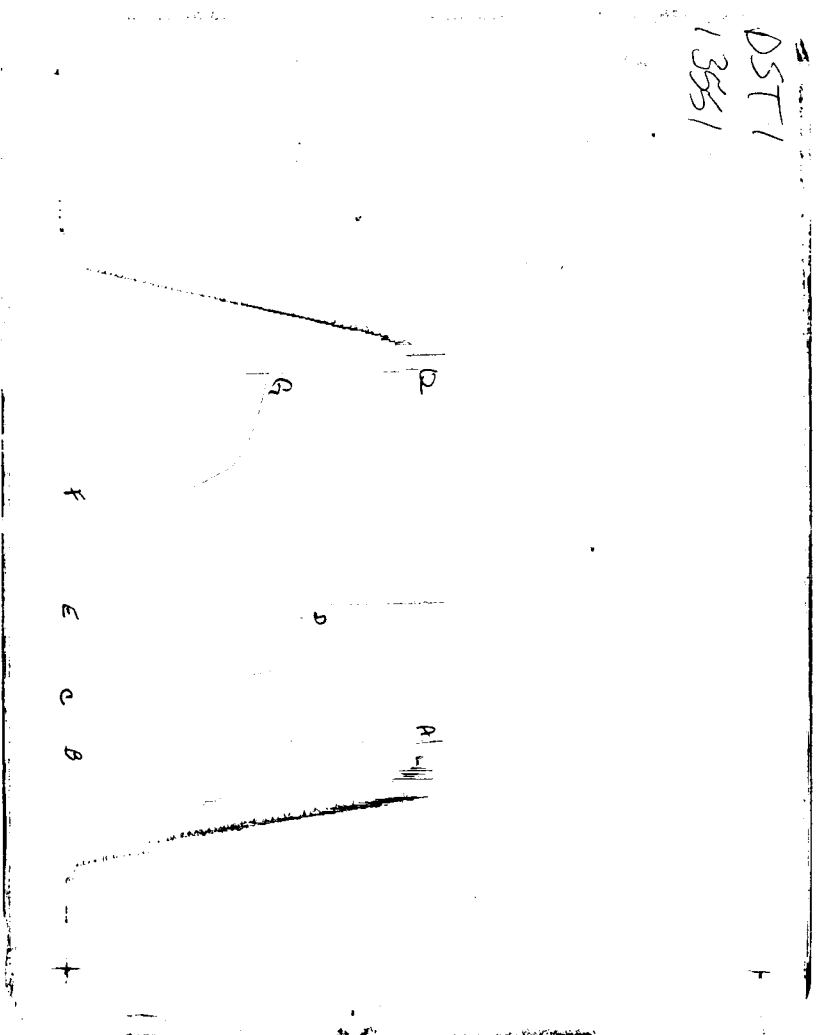
DST /
13266



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CHART PAGE

DST 1
13551



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

TRILOBITE TESTING L.L.C.

OPERATOR : Pickrell Drilling Co Inc
WELL NAME: Lund #1-B
LOCATION : 13-3S-28W Decatur Co. KS
INTERVAL : 3825.00 To 3863.00 ft

DATE 12-10-97
KB 2724.00 ft TICKET NO: 10831 DST #2
GR 2719.00 ft FORMATION: Lansing E
TD 3863.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 0 Rec.						PF Fr. to hr
SI 0 Range(Psi)	0.0	0.0	0.0	0.0	0.0	IS Fr. to hr
SF 0 Clock(hrs)						SF Fr. to hr
FS 0 Depth(ft)	0.0	0.0	0.0	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 0130 hr
B. First Flow	0.0	0.0	0.0	0.0	0.0	T ON BOTM hr
B1. 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 0645 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	0.0	0.0	0.0	0.0	0.0	
Inside/Outside						

RECOVERY

Tot Fluid 0.00 ft of 0.00 ft in DC and 0.00 ft in DP
0.00 ft of MISRUN
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.

MISRUN

TOOL DATA-----
Tool Wt. 2500.00 lbs
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 175.00 in
D. Pipe ID 3630.00 in
D.C. Length 0.00 ft
D.P. Length 0.00 ft

MUD DATA-----
Mud Type Chem
Weight 9.30 lb/c
Vis. 44.00 S/L
W.L. 8.20 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 Steve Eisenhower
Co. Rep. Bill Klaver
Contr. Pickrell
Rig # 10
Unit #
Pump T.

SAMPLES:

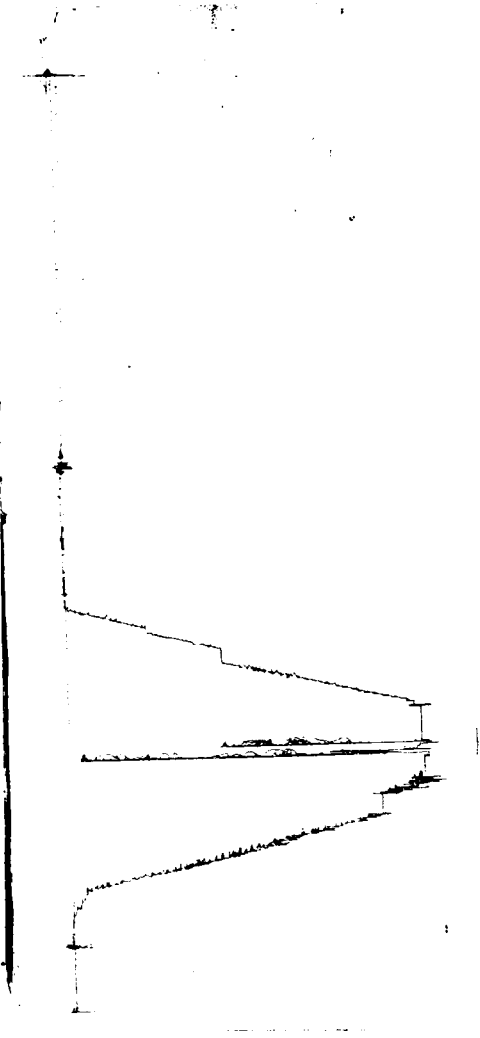
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Test Successful: N

CHART PAGE

DST 2

13551



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TRILOBITE TESTING L.L.C.

OPERATOR : Pickrell Drilling Co Inc
WELL NAME: Lund #1-B
LOCATION : 13-3S-28W Decatur Co. KS
INTERVAL : 3828.00 To 3863.00 ft

DATE 12-10-97
KB 2724.00 ft TICKET NO: 10832 DST #3
GR 2719.00 ft FORMATION: Lansing E
TD 3863.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 0 Rec.						PF Fr. to hr
SI 0 Range(Psi)	0.0	0.0	0.0	0.0	0.0	IS Fr. to hr
SF 0 Clock(hrs)						SF Fr. to hr
FS 0 Depth(ft)	0.0	0.0	0.0	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 1745 hr
B. First Flow	0.0	0.0	0.0	0.0	0.0	T ON BOTM hr
B1. 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 2230 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. 2500.00 lbs
Inside/Outside						Wt Set On Packer 25000.00 lbs
						Wt Pulled Loose 80000.00 lbs
						Initial Str Wt 62000.00 lbs
						Unseated Str Wt 0.00 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 175.00 ft
						D.P. Length 3633.00 ft

RECOVERY

Tot Fluid 363.00 ft of 0.00 ft in DC and 0.00 ft in DP
363.00 ft of Mud
0.00 ft of
0.00 ft of ***MISRUN***
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
Packer Failure

MISRUN

SAMPLES:
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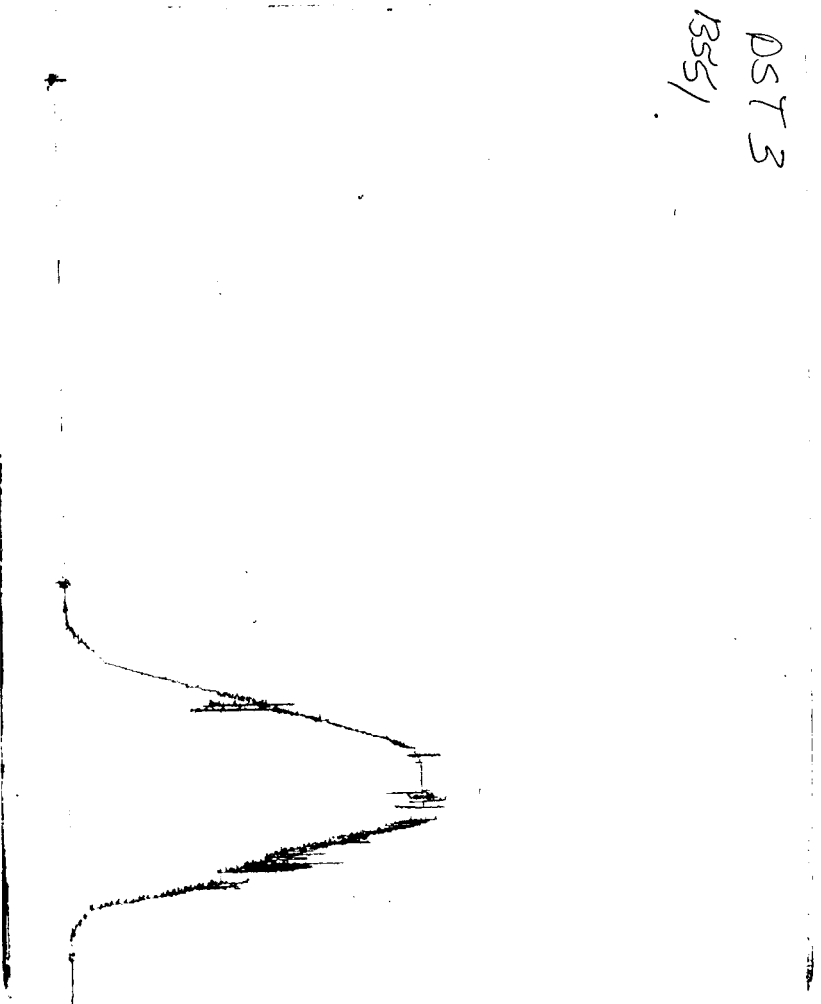
MUD DATA-----
Mud Type Chem
Weight 9.20 lb/c
Vis. 48.00 S/L
W.L. 10.00 in3
F.C. 0.00 in
Mud Drop

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 Steve Eisenhower
Co. Rep. Bill Klaver
Contr. Pickrell
Rig # 10
Unit #
Pump T.

Test Successful: N

CHART PAGE

DST 3
1355/



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

TRILOBITE TESTING L.L.C.

OPERATOR : Pickrell Drilling Co Inc
WELL NAME: Lund #1-B
LOCATION : 13-3S-28W Decatur Co. KS
INTERVAL : 3822.00 To 3863.00 ft

DATE 12-11-97
KB 2724.00 ft
GR 2719.00 ft
TD 3863.00 ft

TICKET NO: 10498
FORMATION: Lansing/Kansas City
TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 0 Rec.	13551	13551				PF Fr. to hr
SI 0 Range(Psi)	4150.0	4150.0	0.0	0.0	0.0	IS Fr. to hr
SF 0 Clock(hrs)						SF Fr. to hr
FS 0 Depth(ft)	3832.0	3832.0	0.0	0.0	0.0	FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	1792.0	1804.0	0.0	0.0	0.0	T STARTED 2300 hr
B. First Flow	0.0	0.0	0.0	0.0	0.0	T ON BOTM 0055 hr
B1. Final Flow	0.0	0.0	0.0	0.0	0.0	T OPEN 0100 hr
C. In Shut-in	0.0	0.0	0.0	0.0	0.0	T PULLED 0130 hr
D. Init Flow	0.0	0.0	0.0	0.0	0.0	T OUT 0330 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	1792.0	1804.0	0.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	i	i				Wt Set On Packer 0.00 lbs
						Wt Pulled Loose 0.00 lbs
						Initial Str Wt 62000.00 lbs
						Unseated Str Wt 0.00 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 175.00 ft
						D.P. Length 3663.00 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 ***MISRUN***
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: No fluid in hole before
setting tool - tried to fill hole,
would not fill. TOH w/tool.

MISRUN

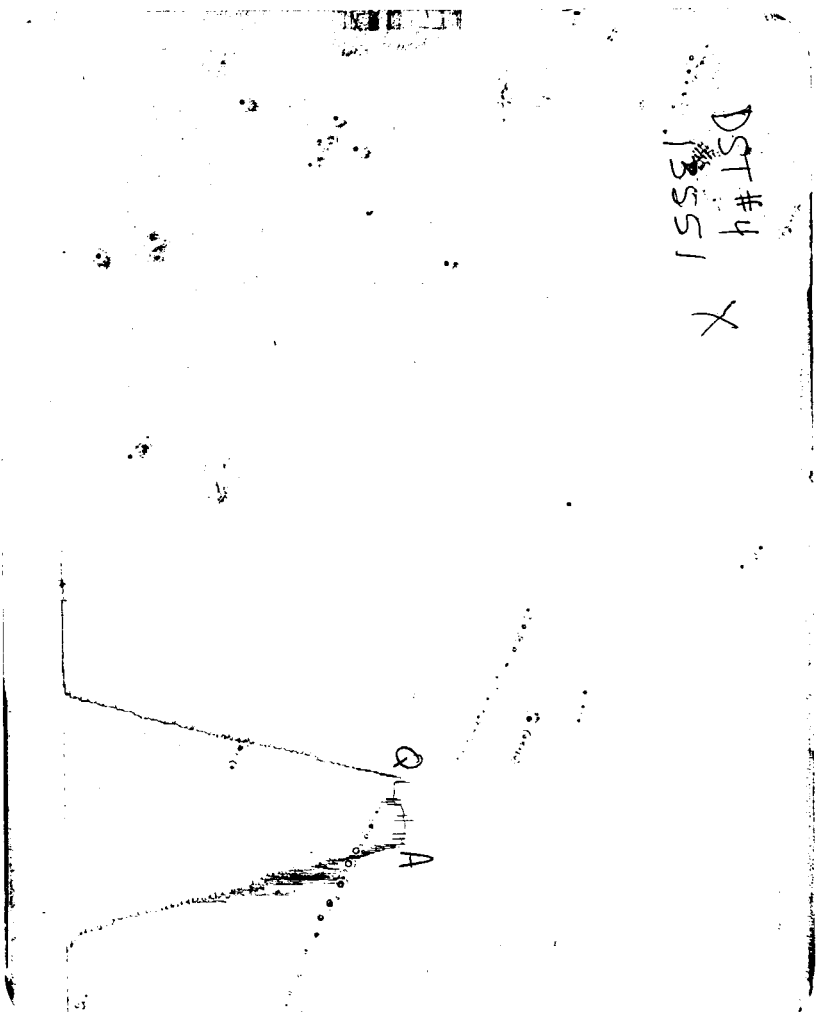
SAMPLES:
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Test Successful: N

MUD DATA-----

Mud Type	Chem
Weight	9.20 lb/c
Vis.	48.00 S/L
W.L.	10.00 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	1120.00 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.	Bill Klaver
Contr.	Pickell
Rig #	10
Unit #	
Pump T.	

CHART PAGE



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TRILOBITE TESTING L.L.C.

OPERATOR : Pickrell Drilling Co Inc
WELL NAME: Lund #1-B
LOCATION : 13-3S-28W Decatur Co. KS
INTERVAL : 3822.00 To 3863.00 ft

DATE 12-11-97
KB 2724.00 ft
GR 2719.00 ft
TD 3863.00 ft

TICKET NO: 10499
FORMATION: Lansing/ KC
TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13551	13551				PF Fr. 2010 to 2040 hr
SI 60 Range(Psi)	4150.0	4150.0	0.0	0.0	0.0	IS Fr. 2040 to 2140 hr
SF 90 Clock(hrs)	24 hr	24 hr				SF Fr. 2140 to 2310 hr
FS 360 Depth(ft)	3863.0	3863.0	0.0	0.0	0.0	FS Fr. 2310 to 0510 hr

	Field	1	2	3	4	
A. Init Hydro	1812.0	1944.0	0.0	0.0	0.0	T STARTED 1815 hr
B. First Flow	73.0	96.0	0.0	0.0	0.0	T ON BOTM 2000 hr
B1. Final Flow	156.0	176.0	0.0	0.0	0.0	T OPEN 2010 hr
C. In Shut-in	1222.0	1223.0	0.0	0.0	0.0	T PULLED 0510 hr
D. Init Flow	209.0	224.0	0.0	0.0	0.0	T OUT 1000 hr
E. Final Flow	397.0	413.0	0.0	0.0	0.0	
F. Fl Shut-in	1222.0	1244.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1771.0	1907.0	0.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	i	i				Wt Set On Packer 35000.00 lbs
						Wt Pulled Loose 90000.00 lbs
						Initial Str Wt 62000.00 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 175.00 ft
						D.P. Length 3663.00 ft

RECOVERY

Tot Fluid 825.00 ft of 175.00 ft in DC and 650.00 ft in DP
155.00 ft of Drilling mud.
670.00 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

SALINITY 30000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow: Tool slid 15'. Fair to strong blow off bottom in 15 mins.
Initial Shutin: Bled off blow, no return.
Final Flow: Weak surface blow slowly built to bottom in 35 mins.
Final Shutin: Bled off blow, no return.

SAMPLES:

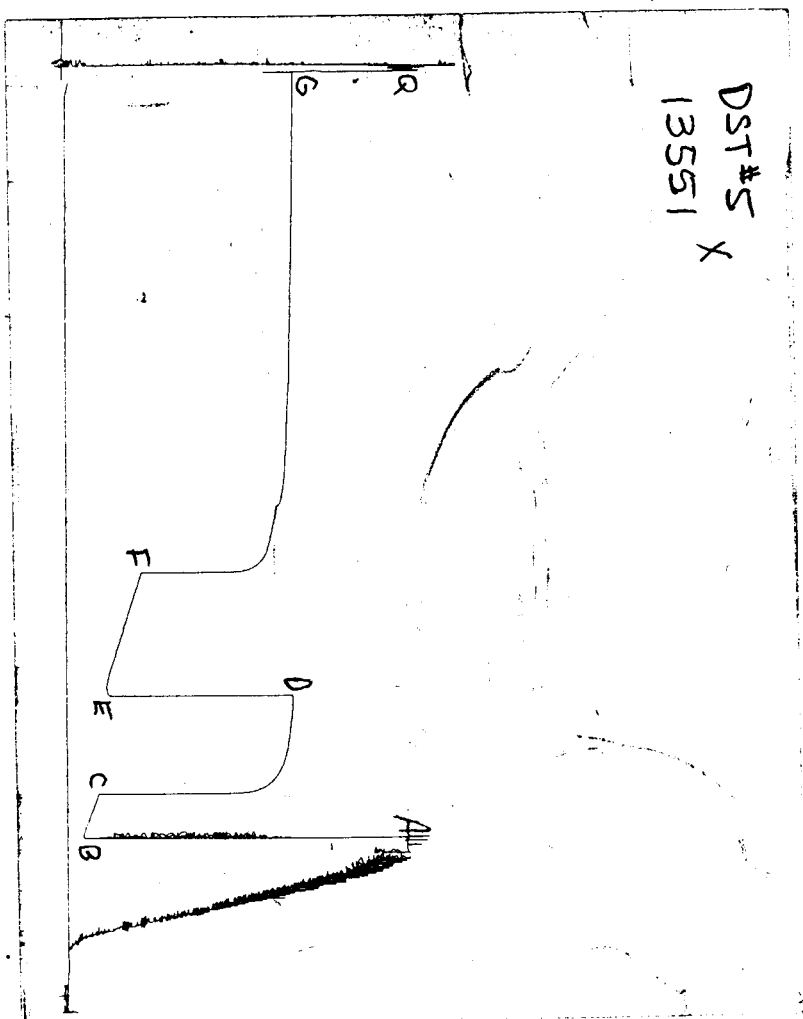
SENT TO:

MUD DATA-----

Mud Type	Chem
Weight	9.00 lb/c
Vis.	46.00 S/L
W.L.	10.00 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	135.00 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.	Bill Klaver
Contr.	Pickrell
Rig #	10
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE .



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