

Well Name: Newell Unit 1-28
Company: Larson Engineering Inc.
Location: 28-17s-32w
Scott County Kansas
Date: 8-17-99

TRILOBITE TESTING L.L.C.

OPERATOR : Larson Engineering Inc.
WELL NAME: Newell Unit 1-28
LOCATION : 28-17s-32w Scott co KS
INTERVAL : 4051.00 To 4061.00 ft

DATE 8-12-99
KB 2985.00 ft TICKET NO: 11930 DST #1
GR 2980.00 ft FORMATION: Kansas City E
TD 4061.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	11058	11058	2023			PF Fr. 0225 to 0240 hr
SI 30 Range(Psi)	4475.0	4475.0	4000.0	0.0	0.0	IS Fr. 0240 to 0310 hr
SF 45 Clock(hrs)	12	12	12			SF Fr. 0310 to 0355 hr
FS 90 Depth(ft)	4052.0	4052.0	4058.0	0.0	0.0	FS Fr. 0355 to 0525 hr

	Field	1	2	3	4	
A. Init Hydro	1974.0	1986.0	0.0	0.0	0.0	T STARTED 2340 hr
B. First Flow	44.0	38.0	0.0	0.0	0.0	T ON BOTM 0220 hr
B1. Final Flow	88.0	85.0	0.0	0.0	0.0	T OPEN 0225 hr
C. In Shut-in	986.0	989.0	0.0	0.0	0.0	T PULLED 0525 hr
D. Init Flow	144.0	144.0	0.0	0.0	0.0	T OUT 0715 hr
E. Final Flow	266.0	267.0	0.0	0.0	0.0	
F. Fl Shut-in	963.0	964.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1963.0	1968.0	0.0	0.0	0.0	Tool Wt. 4000.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 26000.00 lbs
						Wt Pulled Loose 50000.00 lbs
						Initial Str Wt 40000.00 lbs
						Unseated Str Wt 43000.00 lbs
						Bot Choke 0.72 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 4163.00 ft

RECOVERY

Tot Fluid 585.00 ft of 0.00 ft in DC and 585.00 ft in DP
45.00 ft of Mud cut water 80% water 20% mud
540.00 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 24000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
Bottom of bucket in 11 1/2 mins.
Initial Shut-in:
No return
Final Flow:
Bottom of bucket in 20 mins.
Final Shut-in:
No return

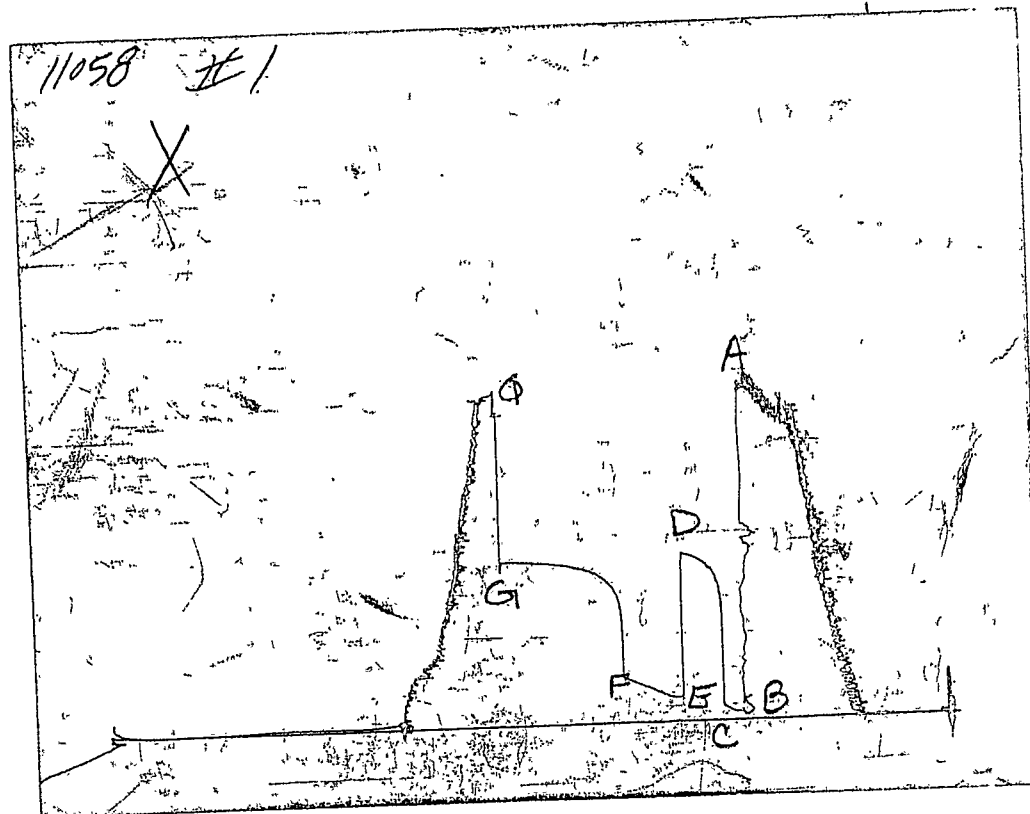
SAMPLES:
SENT TO:

MUD DATA-----
Mud Type Chemical
Weight 9.10 lb/cf
Vis. 43.00 S/L
W.L. 9.60 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 Shane McBride
Co. Rep. Steve Davis
Contr. L.D.
Rig #
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 : Larson Engineering Inc.
WELL NAME: Newell Unit 1-28
LOCATION : 28-17s-32s Scott co KS
INTERVAL : 3984.00 To 4012.00 ft

DATE 8-13-99
KB 2985.00 ft TICKET NO: 11931 DST #2
GR 2980.00 ft FORMATION: Kansas City B
TD 4061.00 ft TEST TYPE: CONV-STRADDLE

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	11058	11058	2023	13309		PF Fr. 0930 to 1000 hr
SI 30	Range(Psi)	4475.0	4475.0	4000.0	4700.0	0.0	IS Fr. 1000 to 1030 hr
SF 30	Clock(hrs)	12	12	12	12		SF Fr. 1030 to 1100 hr
FS 30	Depth(ft)	3985.0	3985.0	4007.0	4058.0	0.0	FS Fr. 1100 to 1130 hr

	Field	1	2	3	4	
A. Init Hydro	1940.0	1909.0	0.0	0.0	0.0	T STARTED 0745 hr
B. First Flow	11.0	23.0	0.0	0.0	0.0	T ON BOTM 0925 hr
B1. Final Flow	11.0	16.0	0.0	0.0	0.0	T OPEN 0930 hr
C. In Shut-in	489.0	482.0	0.0	0.0	0.0	T PULLED 1130 hr
D. Init Flow	11.0	30.0	0.0	0.0	0.0	T OUT 1325 hr
E. Final Flow	11.0	16.0	0.0	0.0	0.0	
F. Fl Shut-in	534.0	538.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1929.0	1904.0	0.0	0.0	0.0	Tool Wt. 4000.00 lbs
Inside/Outside	o	o	i	s		Wt Set On Packer 26000.00 lbs
						Wt Pulled Loose 47000.00 lbs
						Initial Str Wt 40000.00 lbs
						Unseated Str Wt 40000.00 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 4100.00 ft

RECOVERY

Tot Fluid 5.00 ft of 0.00 ft in DC and 5.00 ft in DP
5.00 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 1/2' blow
Initial Shut-in:
No return
Final Flow:
No blow
Final Shut-in:
No return

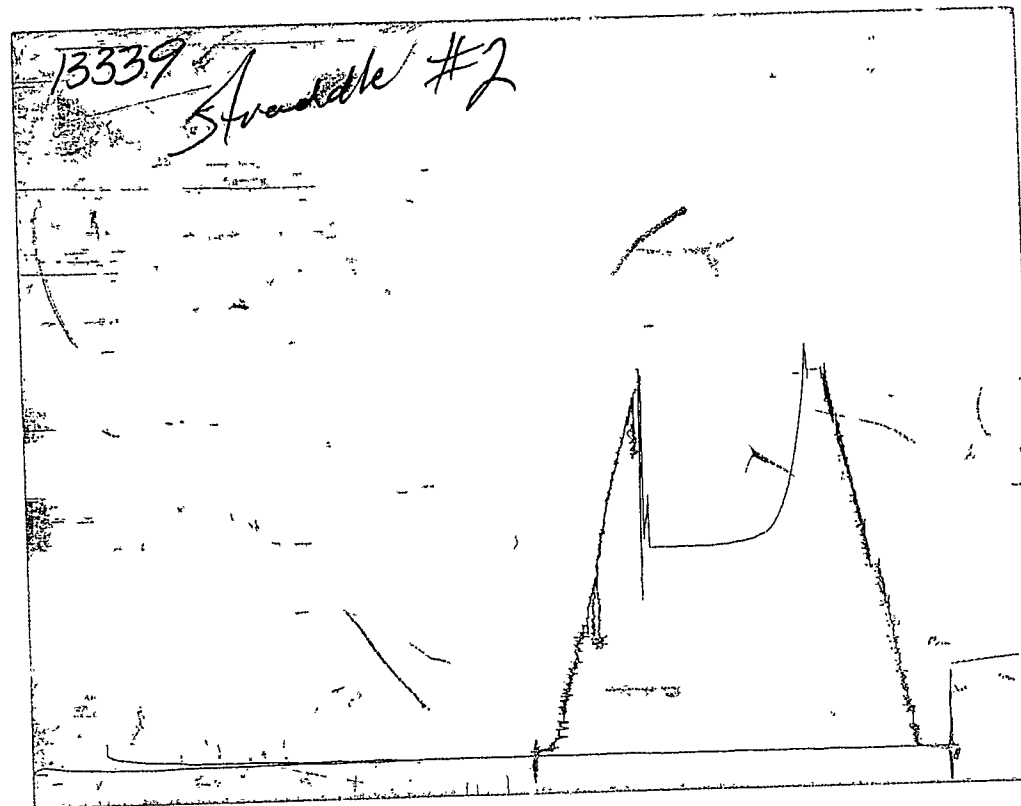
MUD DATA-----
Mud Type chemical
Weight 9.10 lb/cf
Vis. 43.00 S/L
W.L. 9.60 in3
F.C. 0.00 in
Mud Drop

Amt. of fill 0.00 ft
Btm. H. Temp. 120.00 F
Hole Condition
% Porosity 0.00
Packer Size 6.75 in
No. of Packers 3
Cushion Amt. 0.00
Cushion Type
Reversed Out
Tool Chased
Tester Shane McBride
Co. Rep. Steve Davis
Contr. L.D.
Rig #
Unit #
Pump T.

SAMPLES:
SENT TO:

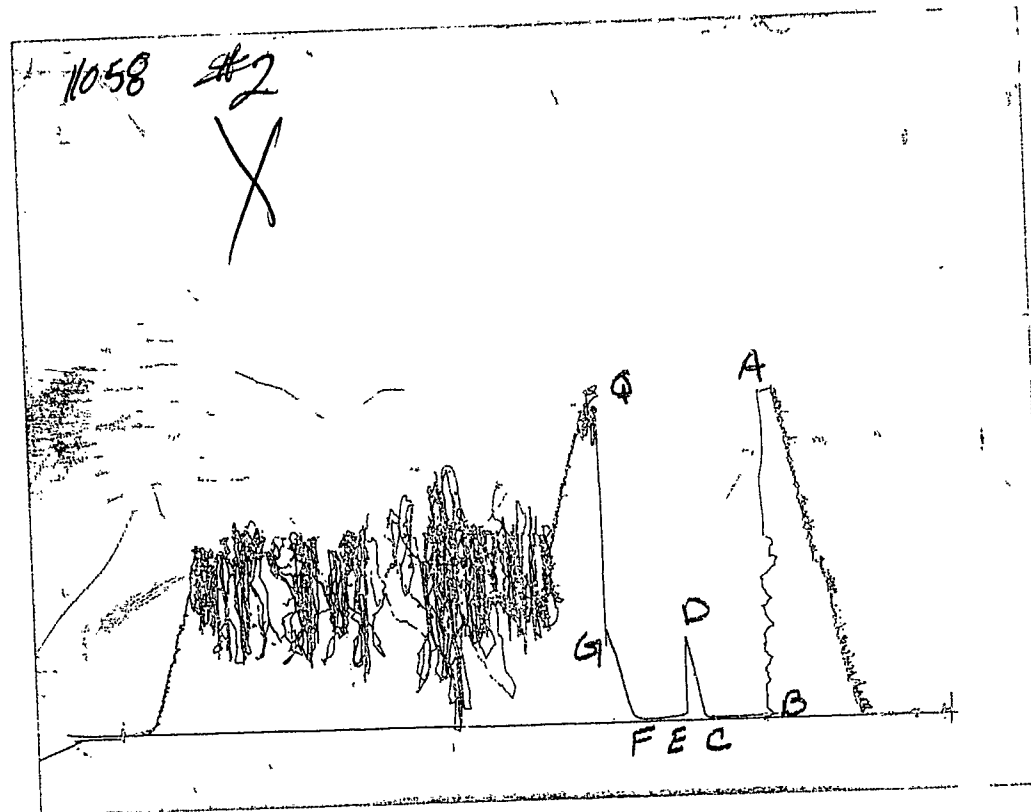
Test Successful: Y

CHART PAGE



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