15-033-21104

3-34s-20w

ORIGINAL

CONFIDENTIAL

KCC

AUG 2 3 2000

CONFIDENTIAL

RELEASED

SEP 18 2001

FROM CONFIDENTIAL

RECEIVED
STATE CORPORATION COMMISSION

AUG 24 2000

CONSERVATION DIVISION

WELL NAME: Lester #1-3
COMPANY: Mull Drilling Co., Inc.
LOCATION: 3-34s-20w
Comanche co Kansas
DATE: 8/25/00

CONFIDENTIAL

TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : Mull Drilling Co. Inc. DATE 7-14-00
WELL NAME: Lester #1-3 KB 1780.00 ft TICKET NO: 13052 DST #1
LOCATION : 3-34s-20w Comanche co KS GR 0.00 ft FORMATION: Novinger
INTERVAL : 4845.00 To 4951.00 ft TD 4951.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4
PF 10	Rec.	13277	13277	3026		
SI 30	Range(Psi)	4125.0	4125.0	4995.0	0.0	0.0
SF 60	Clock(hrs)	18hr	18hr	elect		
FS 120	Depth(ft)	4951.0	4951.0	4853.0	0.0	0.0

TIME DATA----------
PF Fr. 1037 to 1047 hr
IS Fr. 1047 to 1117 hr
SF Fr. 1117 to 1217 hr
FS Fr. 1217 to 1417 hr

	Field	1	2	3	4
A. Init Hydro	2391.0	2392.0	2293.0	0.0	0.0
B. First Flow	129.0	140.0	47.0	0.0	0.0
B1. Final Flow	129.0	124.0	93.0	0.0	0.0
C. In Shut-in	442.0	464.0	441.0	0.0	0.0
D. Init Flow	129.0	140.0	49.0	0.0	0.0
E. Final Flow	151.0	155.0	82.0	0.0	0.0
F. Fl Shut-in	1562.0	1569.0	1551.0	0.0	0.0
G. Final Hydro	2339.0	2380.0	2279.0	0.0	0.0
Inside/Outside		O	O	I	

T STARTED 0620 hr
T ON BOTM 1036 hr
T OPEN 1037 hr
T PULLED 1417 hr
T OUT 1720 hr

RECOVERY
Tot Fluid 150.00 ft of 150.00 ft in DC and 0.00 ft in DP
30.00 ft of Mud
0.00 ft of 100% mud
120.00 ft of Gas cut mud
0.00 ft of 5% gas 95% mud
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

KCC
AUG 2? 2000
CONFIDENTIAL

TOOL DATA----------

Tool Wt.	2000.00 lbs
Wt Set On Packer	22000.00 lbs
Wt Pulled Loose	80000.00 lbs
Initial Str Wt	58000.00 lbs
Unseated Str Wt	60000.00 lbs
Bot Choke	0.78 in
Hole Size	7.78 in
D Col. ID	2.25 in
D. Pipe ID	3.38 in
D.C. Length	179.00 ft
D.P. Length	4706.00 ft

BLOW DESCRIPTION
Initial Flow:
Strong blow. Bottom of bucket in 1 minute.
Initial Shut-In:
Bled 2". No blow back.
Final Flow:
Bottom of bucket as soon as tool opened.
Final Shut-In:
Bled 2". No blow back.

RELEASED
SEP 18 2001
FROM CONFIDENTIAL

MUD DATA----------

Mud Type	Chemical
Weight	9.00 lb/cf
Vis.	45.00 S/L
W.L.	11.00 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	N
Tool Chased	N
Tester	Scott Bugbee
Co. Rep.	Roger Martin
Contr.	Duke
Rig #	5
Unit #	
Pump T.	

SAMPLES:
SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Lester #1-3

LOCATION : 3-34s-20w Comanche co KS

TICKET No. 13052 D.S.T. No. 1 DATE 7-14-00

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR 44

TOTAL TOOL 71

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands 1 Single Total 62

TOTAL ASSEMBLY 133

D.C. ABOVE TOOLS.Stands2 Single 1 Total 179

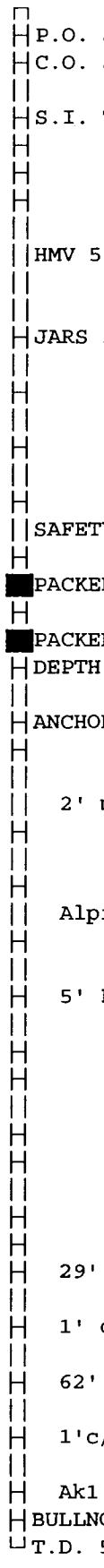
D.P. ABOVE TOOLS.Stands72 Single 1 Total 4644

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4956

TOTAL DEPTH 4951

TOTAL DRILL PIPE ABOVE K.B. 5

REMARKS:



P.O. SUB top of tool	4818
C.O. SUB 1' DP	4819
S.I. TOOL 5'	4824
HMV 5'	4829
JARS 5'	4834
SAFETY JOINT 2'	4836
PACKER 5'	4841
PACKER 5'	4845
DEPTH 4845	
1'	4846
ANCHOR	
2' mperf	4848
Alpine Rec.	4853
5' PU sub	4853
29' perf	4882
1' c/o sub	4883
62' pipe	4945
1'c/o sub	4946
Ak1 Rec.	4951
BULLNOSE	
T.D. 5'	4951

TEST HISTORY

13052 DST#1 Lester #1-3 Mull Drilling Co.Inc.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2293.08
B:	0.00	47.43
C:	11.50	93.75
D:	26.50	441.54
E:	0.00	49.67
F:	60.50	82.14
G:	120.50	1551.07
Q:	0.00	2279.95

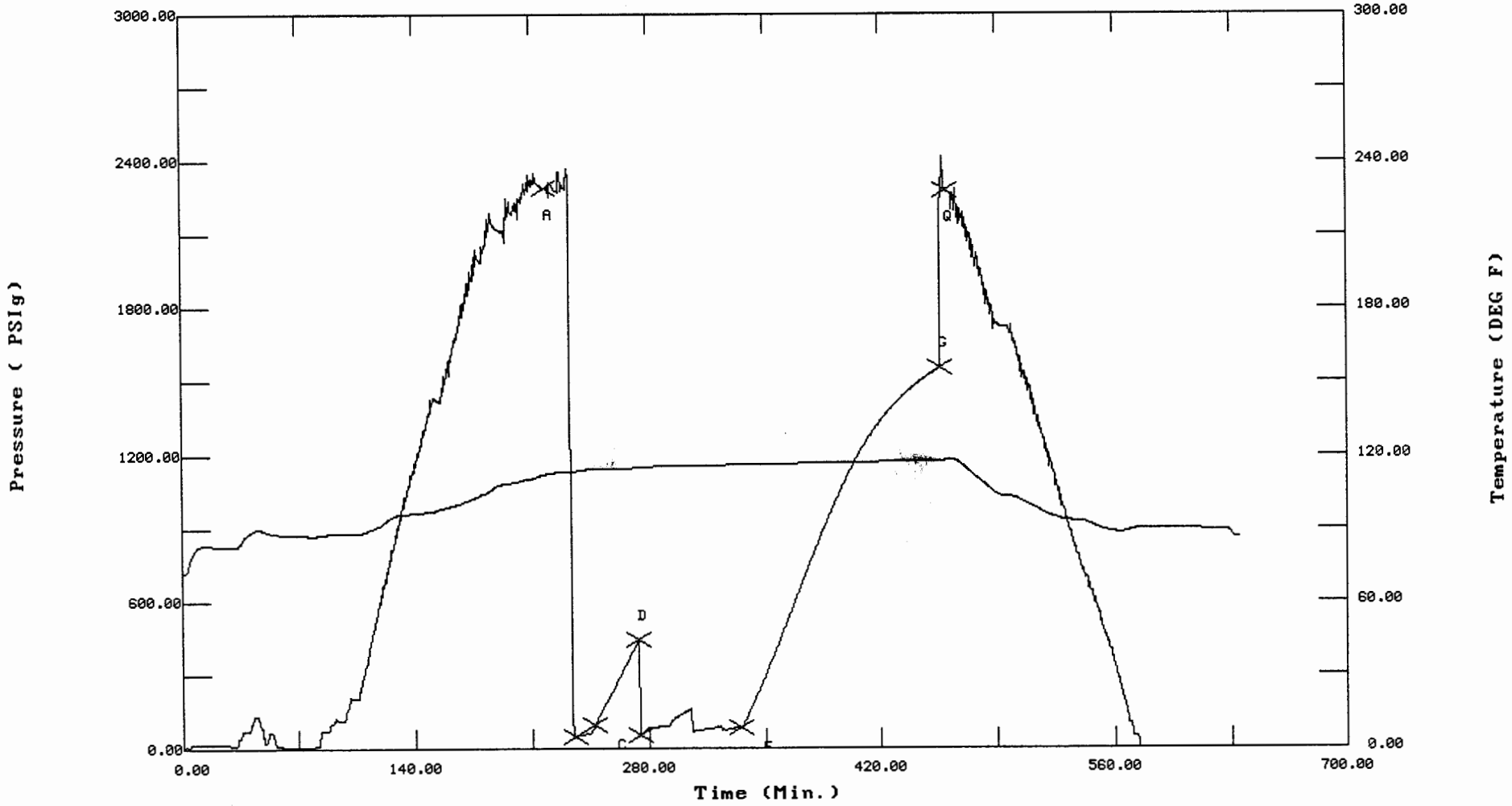
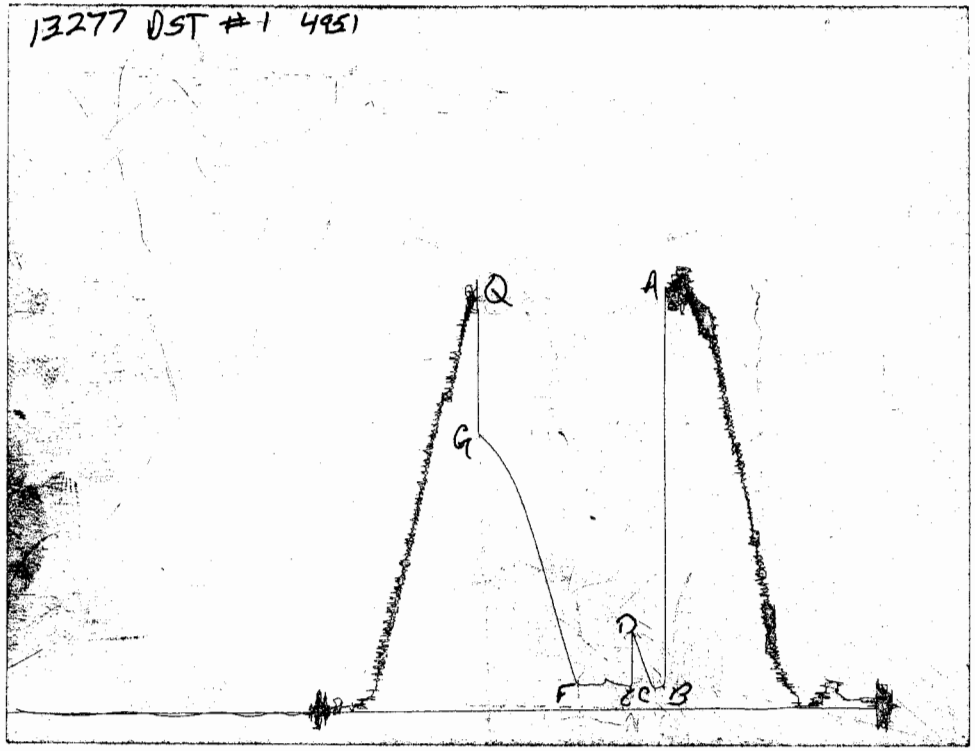


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

№ 13052

Test Ticket

Well Name & No. Lester #1-3 Test No. #1 Date 7-14-00

Company Mull Drilling Co. Inc. Zone Tested Novinger

Address P.O. Box 2758 Wichita Ks. 67201-2758 Elevation 1780 KB ____ GL

Co. Rep / Geo. Roger Martin Cont. Duke 5 Est. Ft. of Pay ____ Por. ____ %

Location: Sec. 3 Twp. 34S Rge. 20W Co. Comanche State Ks.

No. of Copies ____ Distribution Sheet (Y, N) ____ Turnkey (Y, N) ____ Evaluation (Y, N) ____

Interval Tested 4845 - 4951 Initial Str Wt./Lbs. 58,000 Unseated Str Wt./Lbs. 60,000

Anchor Length 106 Wt. Set Lbs. 22,000 Wt. Pulled Loose/Lbs. 80,000

Top Packer Depth 4840 Tool Weight 2000

Bottom Packer Depth 4845 Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓

Total Depth 4951 Wt. Pipe Run ____ Drill Collar Run 179 2+1

Mud Wt. 9.0 LCM 4 Vis. 45 WL 11.0 Drill Pipe Size 4½ XH Ft. Run 4706

Blow Description 1st open Strong blow B.O.B. in 1 min.
Bled 2" no blow back
2nd open B.O.B. as soon as tool opened
Bled 2" no blow back

Recovery — Total Feet 150 GIP ____ Ft. in DC 150 Ft. in DP ____

Rec. 30	Feet Of Mud	%gas	%oil	%water	100	%mud
Rec. 120	Feet Of Gas cut mud	5 %gas	%oil	%water	95	%mud
Rec. ____	Feet Of ____	%gas	%oil	%water		%mud
Rec. ____	Feet Of ____	%gas	%oil	%water		%mud
Rec. ____	Feet Of ____	%gas	%oil	%water		%mud

BHT 120 °F Gravity ____ °API D@ ____ °F Corrected Gravity ____ °API

RW ____ @ ____ °F Chlorides ____ ppm Recovery Chlorides 4006 ppm System

	AK-1	Alpine					
(A) Initial Hydrostatic Mud	2391	2293	PSI	Recorder No.	3026	T-On Location	4:45 A.M.
(B) First Initial Flow Pressure	129	47	PSI	(depth)	4853	T-Started	6:20 A.M.
(C) First Final Flow Pressure	129	93	PSI	Recorder No.	13277	T-Open	10:37 A.M.
(D) Initial Shut-In Pressure	442	441	PSI	(depth)	4951	T-Pulled	2:47 P.M.
(E) Second Initial Flow Pressure	129	49	PSI	Recorder No.	____	T-Out	5:20 P.M
(F) Second Final Flow Pressure	151	82	PSI	(depth)	____	T-Off Location	____
(G) Final Shut-in Pressure	1562	1551	PSI	Initial Opening	10	Test ✓	700.00
(Q) Final Hydrostatic Mud	2339	2279	PSI	Initial Shut-in	30	Jars ✓	200.00
				Final Flow	60	Safety Joint ✓	50.00
				Final Shut-in	120	Straddle	____
						Circ. Sub ✓	N/C
						Sampler	____
						Extra Packer	____
						Elec. Rec. ✓	150.00
						Mileage	125.00
						Other	____
						TOTAL PRICE $	1225.00

Approved By Roger L. Martin

Our Representative Scott Burgbee

TRILOBITE TESTING L.L.C.

OPERATOR : Mull Drilling Inc. DATE 07/15/200
WELL NAME: Lester#1-3 KB 1780.00 ft TICKET NO: 12809 DST #2
LOCATION : 3-34s-20w Comanche co KS GR 1769.00 ft FORMATION: Mississippi
INTERVAL : 5055.00 To 5240.00 ft TD 5240.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4
PF 10	Rec.	13805	13805	2350		
SI 30	Range(Psi)	4250.0	4250.0	4995.0	0.0	0.0
SF 75	Clock(hrs)	12hr.	12hr.	elec.		
FS 150	Depth(ft)	5237.0	5237.0	5061.0	0.0	0.0

TIME DATA----------
PF Fr. 0237 to 0247 hr
IS Fr. 0247 to 0317 hr
SF Fr. 0317 to 0432 hr
FS Fr. 0432 to 0702 hr

	Field	1	2	3	4
A. Init Hydro	2635.0	2640.0	2505.0	0.0	0.0
B. First Flow	194.0	215.0	78.0	0.0	0.0
B1. Final Flow	194.0	207.0	104.0	0.0	0.0
C. In Shut-in	1018.0	1022.0	970.0	0.0	0.0
D. Init Flow	172.0	171.0	63.0	0.0	0.0
E. Final Flow	194.0	181.0	83.0	0.0	0.0
F. Fl Shut-in	1951.0	1941.0	1827.0	0.0	0.0
G. Final Hydro	2603.0	2576.0	2455.0	0.0	0.0
Inside/Outside		O	O	I	

T STARTED 2257 hr
T ON BOTM 0234 hr
T OPEN 0237 hr
T PULLED 0702 hr
T OUT hr

RECOVERY
Tot Fluid 90.00 ft of 90.00 ft in DC and 0.00 ft in DP
4953.00 ft of Gas in pipe.
90.00 ft of Slightly gas cut mud
0.00 ft of 10% gas 90% mud
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

TOOL DATA----------

Tool Wt.	2100.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	90000.00 lbs
Initial Str Wt	60000.00 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	150.89 ft
D.P. Length	5046.11 ft

BLOW DESCRIPTION
Initial Flow:
Strong blow built to bottom of bucket in 1 minute 45 seconds.
Initial Shut-In:
Bled down for 5 minutes. No blow back.
Final Flow:
Strong blow bottom of bucket in 15 seconds. Gas to surface in 30 minutes Gauge gas
Final Shut-In:
Bled down for 10 minutes. No blow back.

SAMPLES: Caraway analytical 728 N.Roosevelt
SENT TO:Liberal,Kansas 67901

MUD DATA----------

Mud Type	Chemical
Weight	9.00 lb/c
Vis.	50.00 S/L
W.L.	12.00 in3
F.C.	0.32 in
Mud Drop	N
Amt. of fill	0.00 ft
Btm. H. Temp.	0.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 n
Cushion Type	none
Reversed Out	N
Tool Chased	N
Tester	Darren L.Amerine
Co. Rep.	Roger L.Martin
Contr.	Duke
Rig #	5
Unit #	none
Pump T.	none

Test Successful: Y

GAS RECOVERY

COMPANY: Mull Drilling Inc. DATE: 07/15/200
WELL NAME: Lester#1-3 KB Elev: 1780.00 ft TICKET #12809 DST #2
WELL LOCATION: 3-34s-20w Comanche co KS GR Elev: 1769.00 ft FORMATION: Mississippi
INTERVAL Fr.: 5055.00 To 5240.00 T.D.: 5240.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Merla gauge

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
35	0.25	0	5	3710.0
40	0.25	0	12	5860.0
45	0.25	0	15	6550.0
50	0.25	0	18	7120.0
55	0.25	0	20	7510.0
60	0.25	0	20	7510.0
65	0.25	0	21	7620.0
70	0.25	0	21	7620.0
75	0.25	0	22	7880.0

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Lester#1-3

LOCATION : 3-34s-20w Comanche co KS

TICKET No. 12809 D.S.T. No. 2 DATE 07/15/200

TOTAL TOOL TO BOTTOM OF TOP PACKERS 28

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR 31

TOTAL TOOL 59

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands 2 Single 1 Total 154.56

TOTAL ASSEMBLY .....

D.C. ABOVE TOOLS.Stands2 Single 1 Total 150.89

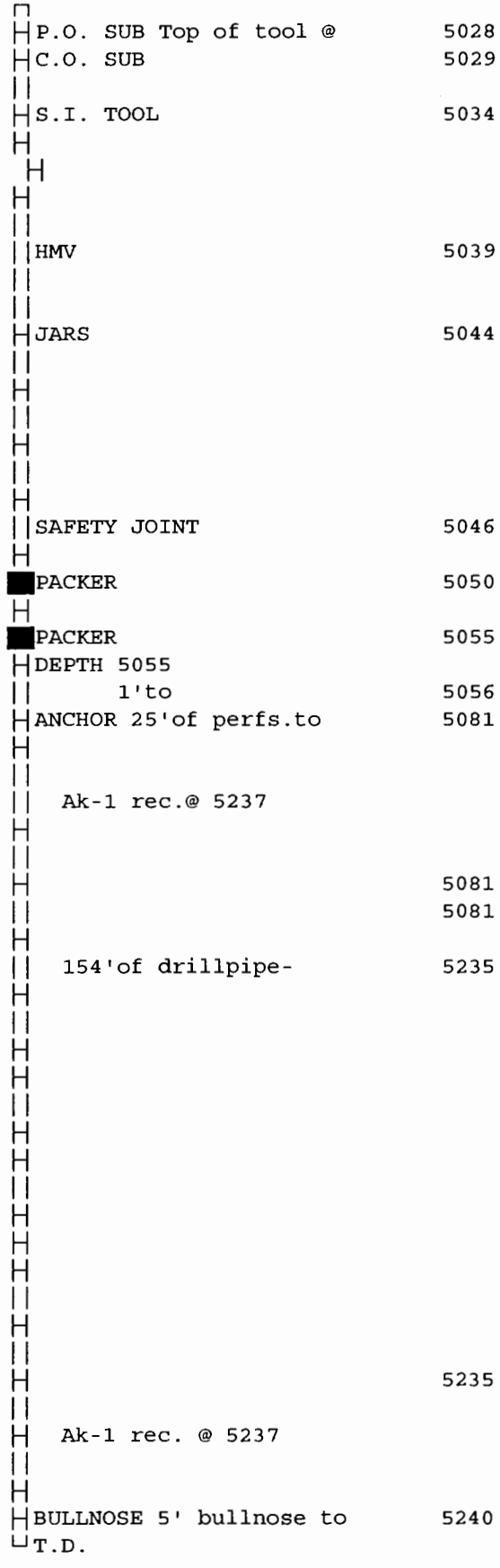
D.P. ABOVE TOOLS.Stands79 Single 1 Total 4891.55

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5256

TOTAL DEPTH 5240

TOTAL DRILL PIPE ABOVE K.B. 16

REMARKS:

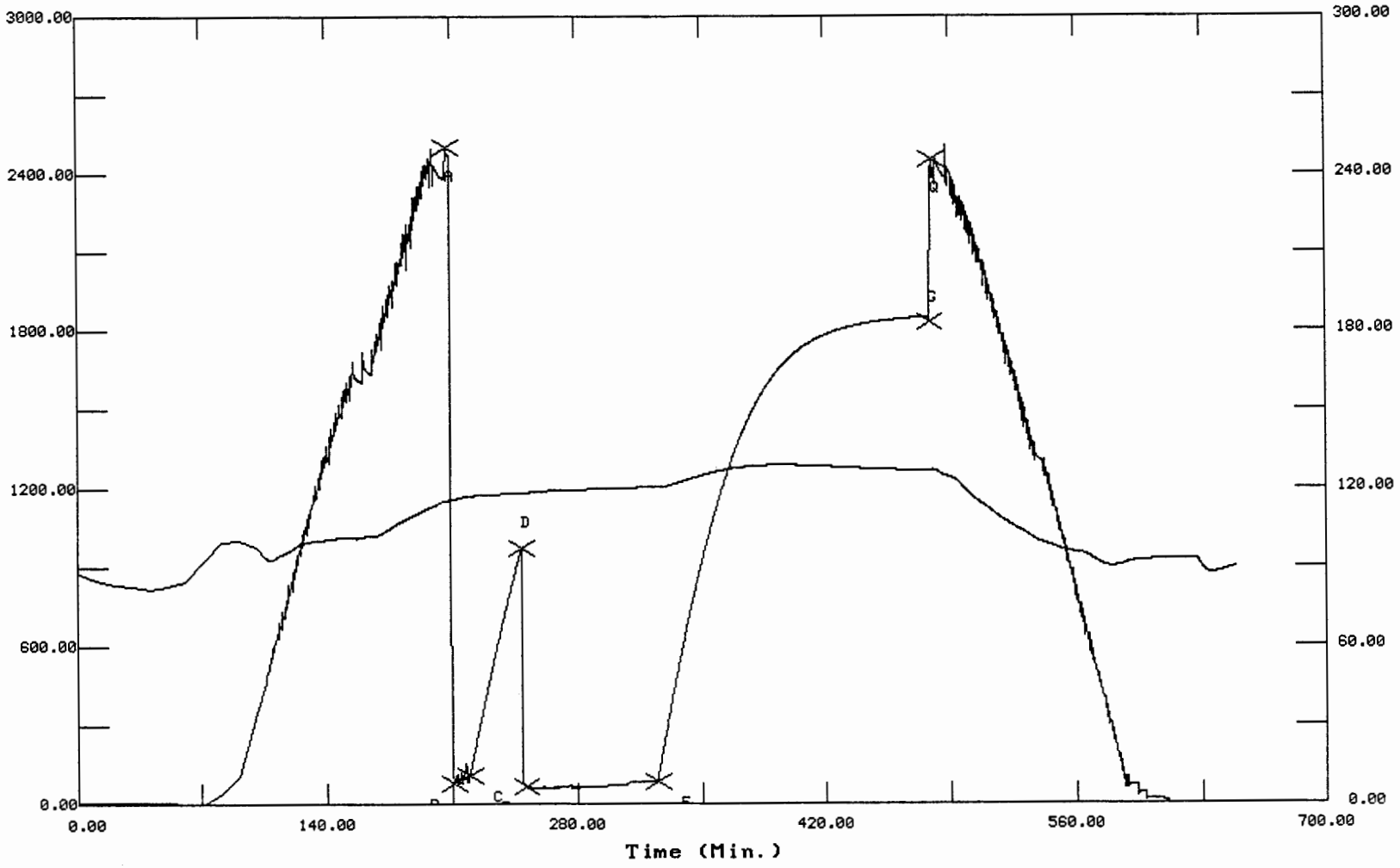


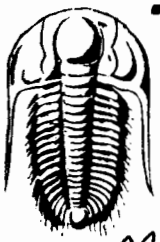
TEST HISTORY

Tk#12809 DST#2 Lester#1-3 Mull Drilling Co, Inc.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2505.15
B:	0.00	77.62
C:	8.25	104.40
D:	29.50	969.78
E:	0.00	62.69
F:	74.00	83.25
G:	153.50	1827.18
Q:	0.00	2455.22





TRILOBITE TESTING L.L.C.

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

GAS VOLUME REPORT

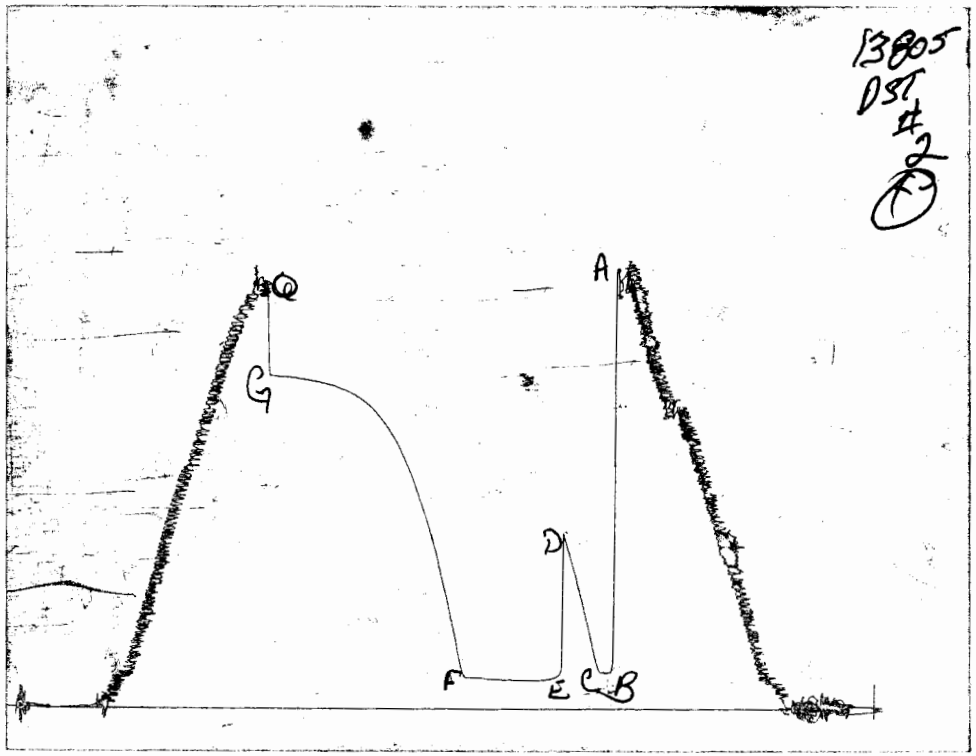
Mull Drilling (OPERATOR) — Tester #1-3 (WELL NAME AND NO.) — M. 55. — #2 (DST NO.)

675 in 30 mins on Final Flow.

Min.	Ins. of Water PSIG	Orifice Size	CF/D	Min.	Ins. of Water PSIG	Orifice Size	CF/D
35	5	1/4	3,710				
40	12	1/4	5860				
45	15	1/4	6,530				
50	18	1/4	7,120				
55	20	1/4	7,510				
60	20	1/4	7,510				
65	21	1/4	7,620				
70	21	1/4	7,620				
75	22	1/4	7,880				

Remarks:

CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 12809

Well Name & No. Lester #1-3 Test No. #2 Date 07/15/2000

Company Mull Drilling Co. Inc. Zone Tested Miss.

Address P.O. box 2758 Wichita, Ks 67201-2758 Elevation 1780' KB 1769 GL

Co. Rep / Geo. Roger L. Martin Cont. Duke #5 Est. Ft. of Pay ___ Por. ___ %

Location: Sec. 3 Twp. 34S Rge. 20W Co. Comanche State Ks.

No. of Copies 5 Distribution Sheet (Y, N) Y Turnkey (Y, N) — Evaluation (Y, N) —

Interval Tested 5055' - 5240' Initial Str Wt./Lbs. 60,000 Unseated Str Wt./Lbs. 60,000

Anchor Length 185' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 90,000

Top Packer Depth 5050' Tool Weight 200

Bottom Packer Depth 5055' Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓

Total Depth 5240' Wt. Pipe Run N/A Drill Collar Run 150.89

Mud Wt. 9.0 LCM 3# Vis. 50 WL 12.0 Drill Pipe Size 4½ XH Ft. Run 5046.11

Blow Description IF: Strong blow built to b.o.b in 1min 45 sec.
ISI: Bled down for 5 mins. N/R blow back
FF: Strong blow b.o.b in 15 sec. GTS in 30 mins Gauge Gas
FSI: Bled down for 10 mins NR blow back

Recovery — Total Feet 90' GIP 4953' Ft. in DC 90 Ft. in DP 0

Rec. 90'	Feet Of SOCM	10 %gas	%oil	%water 90	%mud
Rec. 4953'	Feet Of Gas In Pipe	%gas	%oil	%water	%mud
Rec.	Feet Of	%gas	%oil	%water	%mud
Rec.	Feet Of	%gas	%oil	%water	%mud
Rec.	Feet Of	%gas	%oil	%water	%mud

BHT 129 °F Gravity ___ °API D@ ___ °F Corrected Gravity ___ °API

RW ___ @ ___ °F Chlorides ___ ppm Recovery Chlorides 8000 ppm System

	AK-1	Alpine				
(A) Initital Hydrostatic Mud	2635	2505	PSI	Recorder No.	2350	T-On Location 2200
(B) First Initial Flow Pressure	194	78	PSI	(depth)	5061'	T-Started 2257
(C) First Final Flow Pressure	194	104	PSI	Recorder No.	13805	T-Open 0237
(D) Initial Shut-In Pressure	1018	970	PSI	(depth)	5237'	T-Pulled 0702
(E) Second Initial Flow Pressure	172	63	PSI	Recorder No.		T-Out 0900
(F) Second Final Flow Pressure	194	83	PSI	(depth)		T-Off Location 1030
(G) Final Shut-in Pressure	1951	1827	PSI	Initial Opening	10	Test ✓
(Q) Final Hydrostatic Mud	2603	2455	PSI	Initial Shut-in	30	Jars ✓
				Final Flow	75	Safety Joint ✓
				Final Shut-in	150	Straddle ___
						Circ. Sub ___
						Sampler ___
						Extra Packer ___
						Elec. Rec. ✓
						Mileage ___
						Other ___
						TOTAL PRICE $ ___

Approved By Roger L. Martin

Our Representative Darren Shmeir

TRILOBITE TESTING L.L.C.

OPERATOR : Mull Drilling Co., Inc. DATE 07-20-000
WELL NAME: Lester #1-3 KB 1780.00 ft TICKET NO: 12875 DST #3
LOCATION : 3-34s-20w Comanche co KS GR 1769.00 ft FORMATION: Viola
INTERVAL : 6122.00 To 6160.00 ft TD 6160.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4
PF 20	Rec.	10248	10248	2342		
SI 45	Range(Psi)	4400.0	4400.0	4995.0	0.0	0.0
SF 30	Clock(hrs)	12 hr	12 hr	batt.		
FS 30	Depth(ft)	6157.0	6157.0	6127.0	0.0	0.0

TIME DATA----------
PF Fr. 0210 to 0230 hr
IS Fr. 0230 to 0315 hr
SF Fr. 0315 to 0345 hr
FS Fr. 0345 to 0415 hr

	Field	1	2	3	4
A. Init Hydro	2978.0	2940.0	2944.0	0.0	0.0
B. First Flow	57.0	65.0	44.0	0.0	0.0
B1. Final Flow	53.0	54.0	42.0	0.0	0.0
C. In Shut-in	234.0	230.0	233.0	0.0	0.0
D. Init Flow	57.0	63.0	45.0	0.0	0.0
E. Final Flow	78.0	88.0	73.0	0.0	0.0
F. Fl Shut-in	168.0	159.0	162.0	0.0	0.0
G. Final Hydro	2933.0	2934.0	2874.0	0.0	0.0
Inside/Outside	O	O	I	T	

T STARTED 2249 hr
T ON BOTM 0200 hr
T OPEN 0210 hr
T PULLED 0417 hr
T OUT 0700 hr

RECOVERY
Tot Fluid 125.00 ft of 125.00 ft in DC and 0.00 ft in DP
125.00 ft of Drilling mud
0.00 ft of Oil scum @ top of tool.
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of Rw n.c. ohms @ degrees F.
0.00 ft of EST.FT. of PAY----------10
SALINITY 4000.00 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	70000.00 lbs
Initial Str Wt	56000.00 lbs
Unseated Str Wt	60000.00 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	120.00 ft
D.P. Length	6013.00 ft

BLOW DESCRIPTION
Initial Flow:
Weak blow (1 1/4")

Initial Shut-In:
No blow.

Final Flow:
No blow. Flushed tool 6 minutes into
Final Flow. Weak blow returned
(1 1/2" decreasing)
Final Shut-In:
No blow.

SAMPLES: none
SENT TO:Caraway/Liberal

MUD DATA----------

Mud Type	Chemical
Weight	9.00 lb/c:
Vis.	58.00 S/L
W.L.	8.00 in3
F.C.	0.20 in
Mud Drop	N
Amt. of fill	0.00 ft
Btm. H. Temp.	131.00 F
Hole Condition	good
% Porosity	10.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 N
Cushion Type	None
Reversed Out	N
Tool Chased	N
Tester	Gary Pevoteaux
Co. Rep.	Scott Mueller
Contr.	Duke Drlg.
Rig #	5
Unit #	
Pump T.	LCM 6 #/bl

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Lester #1-3

LOCATION : 3-34s-20w Comanche co KS

TICKET No. 12875 D.S.T. No. 3 DATE 07-20-000

TOTAL TOOL TO BOTTOM OF TOP PACKERS 22

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR 38

TOTAL TOOL 60

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 60

D.C. ABOVE TOOLS.Stands2 Single Total 120

D.P. ABOVE TOOLS.Stands96 Single 1 Total 6013

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 6193

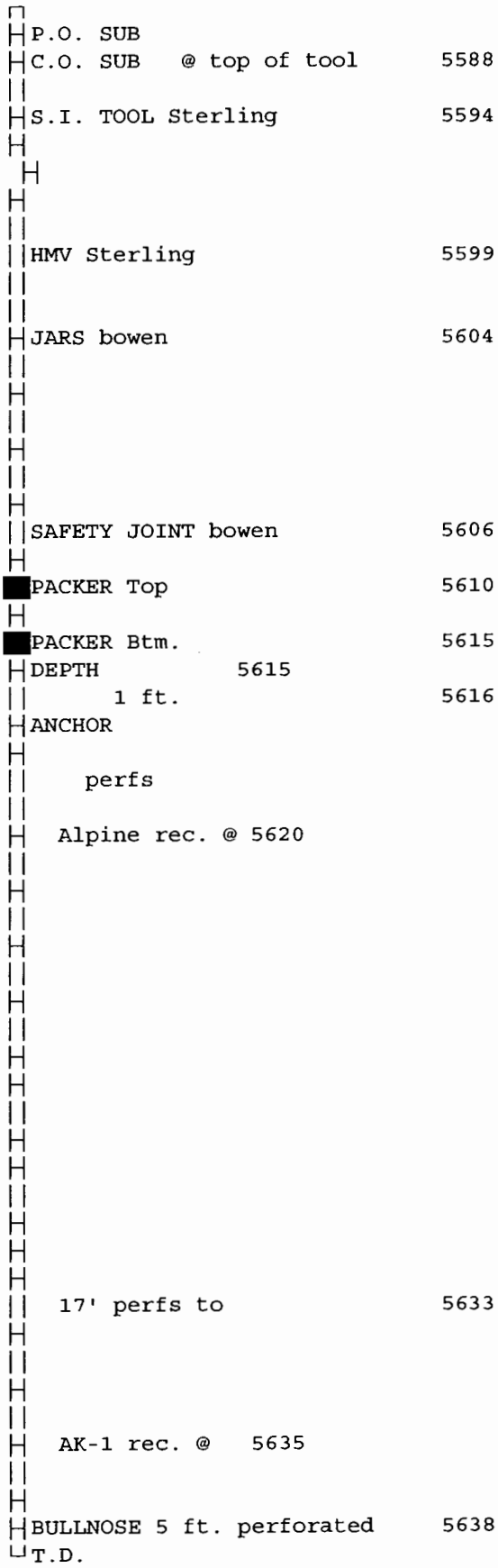
TOTAL DEPTH 6160

TOTAL DRILL PIPE ABOVE K.B. 33

REMARKS:
Comments:

FLUID SAMPLER DATA (not run)

GAS---------- cubic ft
OIL---------- ML.
MUD---------- ML.
WATER---------- ML.
OTHER----------
PRESSURE---------- PSI
Rw ---------- ohms @ deg. F.
CHLORIDES---------- ppm.
GRAVITY---------- deg.API



TEST HISTORY

12875 DST#3 LESTER #1-3 MULL DRILLING CO.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2943.76
B:	0.00	44.22
C:	23.00	41.96
D:	43.50	232.72
E:	0.00	45.23
F:	32.50	72.59
G:	28.50	161.55
Q:	0.00	2874.10

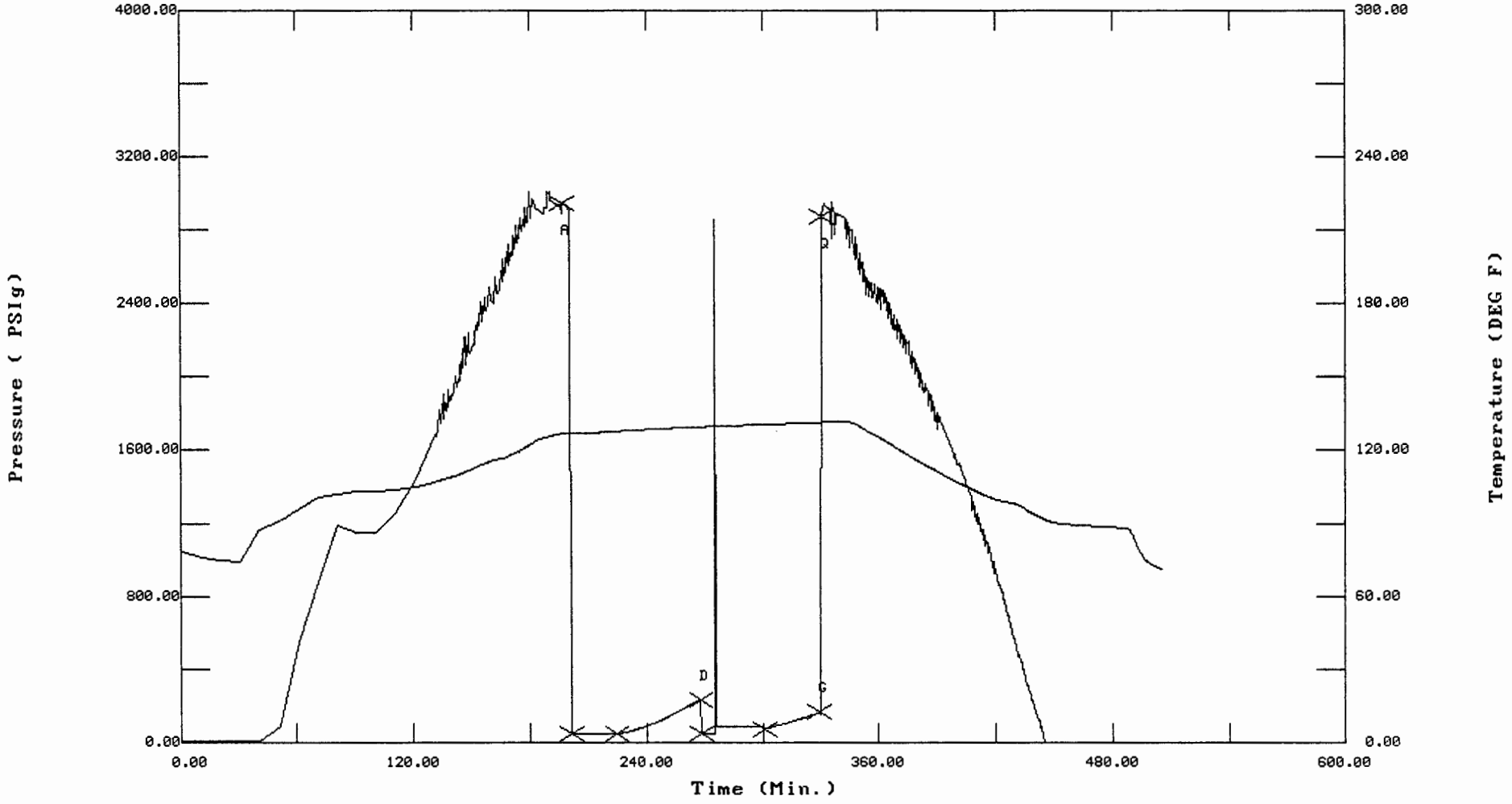
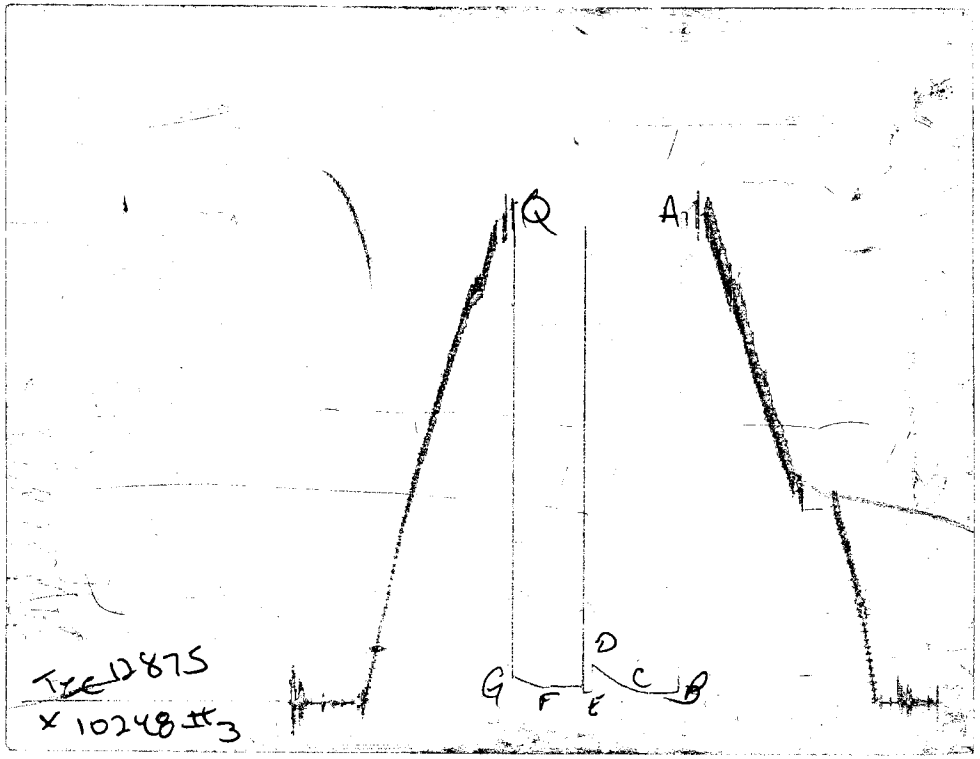


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 12875

Well Name & No. Lester II 1-3 Test No. 3 Date 7-20-2000

Company Mull Drlg. Co. Inc. Zone Tested Viola

Address P.O. Box 2758, Wichita Ks, 67201 Elevation 1780 KB 1769 GL

Co. Rep / Geo. Scott Muller Cont. Duke Drlg. #5 Est. Ft. of Pay 10 Por. ____ %

Location: Sec. 3 Twp. 34S Rge. 30W Co. Comanche State Ks.

No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) ____ Evaluation (Y, N) ____

Interval Tested 6122-6160' Initial Str Wt./Lbs. 56,000 Unseated Str Wt./Lbs. 60,000

Anchor Length 38' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 70,000

Top Packer Depth 6117' Tool Weight 2100 II

Bottom Packer Depth 6122' Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓

Total Depth 6160' Wt. Pipe Run None Drill Collar Run 120

Mud Wt. 9.0 LCM 6# Vis. 58 WL 8.0 cc. Drill Pipe Size 4½" X.H. Ft. Run 6013

Blow Description IF: Weak blow. (1¼") ISI: No blow. FF: No blow. Flushed tool 6 mins. in to F.F.P. Weak blow. returned (1½" decreasing) FSI: No blow.

Recovery — Total Feet 125 GIP None Ft. in DC 125 Ft. in DP 0

Rec. 125	Feet Of Drlg. Mud.	%gas	%oil	%water	%mud
Rec.	Feet Of Oil scum @ top of tool.	%gas	%oil	%water	%mud
Rec.	Feet Of	%gas	%oil	%water	%mud
Rec.	Feet Of	%gas	%oil	%water	%mud
Rec.	Feet Of	%gas	%oil	%water	%mud

BHT 131 °F Gravity N/A °API D@ ~ °F Corrected Gravity N/A °API

RW N.C. @ ~ °F Chlorides 4,000 ppm Recovery Chlorides 4,000 ppm System

	AK-1	Alpine					
(A) Initital Hydrostatic Mud	2978	2944	PSI	Recorder No.	2342	T-On Location	2115
(B) First Initial Flow Pressure	57	44	PSI	(depth)	6127'	T-Started	2249
(C) First Final Flow Pressure	53	42	PSI	Recorder No.	10246	T-Open	0210
(D) Initial Shut-In Pressure	234	233	PSI	(depth)	6157'	T-Pulled	0417
(E) Second Initial Flow Pressure	57	45	PSI	Recorder No.	~	T-Out	0700
(F) Second Final Flow Pressure	78	73	PSI	(depth)	~	T-Off Location	0835
(G) Final Shut-in Pressure	166	162	PSI	Initial Opening	20	Test	✓ 900
(Q) Final Hydrostatic Mud	2933	2874	PSI	Initial Shut-in	45	Jars	
				Final Flow	30	Safety Joint	✓ 50
				Final Shut-in	30	Straddle	
						Circ. Sub	
						Sampler	
						Extra Packer	
						Elec. Rec.	✓ 150
						Mileage	
						Other	✓
						TOTAL PRICE $	✓ 1100 cc

Approved By D. Scott Muller

Our Representative Corey Pinkerton