15-101-21768 TRILOBITE TESTING L.L.C. 35-18s-28w

OPERATOR : Younger Energy Corp. DATE 7-12-99
WELL NAME: Jack Dunne #1-35 KB 2699.00 ft TICKET NO: 11925 DST #1
LOCATION : 35-18S-28W Lane KS GR 2694.00 ft FORMATION: KC 70'
INTERVAL : 4010.00 To 4030.00 ft TD 4030.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

	Mins		Field	1	2	3	4
PF	5	Rec.	13339	13339	3024		
SI	30	Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0
SF	45	Clock(hrs)	12 HR	12	ALP		
FS	120	Depth(ft)	4025.0	4025.0	4013.0	0.0	0.0

TIME DATA----------
PF Fr. 0933 to 0938 hr
IS Fr. 0938 to 1008 hr
SF Fr. 1008 to 1053 hr
FS Fr. 1053 to 1253 hr

	Field	1	2	3	4
A. Init Hydro	1902.0	1926.0	1894.0	0.0	0.0
B. First Flow	207.0	213.0	147.0	0.0	0.0
B1. Final Flow	218.0	232.0	284.0	0.0	0.0
C. In Shut-in	959.0	970.0	1019.0	0.0	0.0
D. Init Flow	395.0	392.0	327.0	0.0	0.0
E. Final Flow	447.0	462.0	614.0	0.0	0.0
F. Fl Shut-in	0.0	0.0	946.0	0.0	0.0
G. Final Hydro	1832.0	1791.0	1865.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 0800 hr
T ON BOTM 0931 hr
T OPEN 0933 hr
T PULLED 1253 hr
T OUT 1545 hr

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

Tool Wt.	1800.00 lbs
Wt Set On Packer	30000.00 lbs
Wt Pulled Loose	75000.00 lbs
Initial Str Wt	55000.00 lbs
Unseated Str Wt	65000.00 lbs
Bot Choke	0.75 in
Hole Size	8.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	520.00 ft
D.P. Length	3503.00 ft

RECOVERY
Tot Fluid 1690.00 ft of 520.00 ft in DC and 1170.00 ft in DP
1050.00 ft of Gas in pipe
1410.00 ft of Clean gassy oil 10%gas 90%oil
280.00 ft of Oil cut mud 5%oil 95%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 39.00

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

Mud Type	Chemical
Weight	8.90 lb/cf
Vis.	45.00 S/L
W.L.	10.40 in3
F.C.	0.00 in
Mud Drop	N
Amt. of fill	0.00 ft
Btm. H. Temp.	127.00 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.	Scott Oatsdean
Contr.	Murfin
Rig #	8
Unit #	
Pump T.	

BLOW DESCRIPTION
Initial Flow:
Fair to strong blow
2 mins.
Initial Shut-in:
Surface return built to 11'
Final Flow:
Fair to strong blow off bottom in
1 min
Final Shut-in:
Surface return built to bottom in
13 mins.

SAMPLES:
SENT TO:

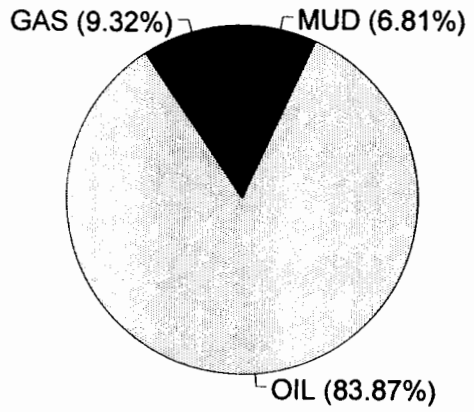
Test Successful: Y

CALCULATED RECOVERY ANALYSIS

DST 1 TICKET

SAMPLE #		TOTAL FEET	GAS %	GAS FEET	OIL %	OIL FEET	WATER %	WATER FEET	M %
DRILL	1	1050	100	0	0	0		0	0
PIPE	2	1170	10	117	90	1053		0	
	3			0		0		0	
	4			0		0		0	
	5			0		0		0	
	6			0		0		0	
WEIGHT	1			0		0		0	
PIPE	2			0		0		0	
	3			0		0		0	
	4			0		0		0	
	5			0				0	
DRILL	1	240	10	24	90	216		0	
COLLARS	2	280	5	0	0	0		0	95
	3			0		0		0	
	4			0		0		0	
	5			0		0		0	
TOTAL		2740		141		1269		0	

			HRS OPEN		BBL/DAY
BBL OIL=	16.0299	*	0.83	=	463.5152
BBL WATER=	0	*		=	0
BBL MUD=	1.30074				
BBL GAS =	1.7811				



*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Jack Dunne #1-35

LOCATION : 35-18S-28W Lane KS

TICKET No. 11925 D.S.T. No. 1 DATE 7-12-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS 22

INTERVAL TOOL 20

BOTTOM PACKERS AND ANCHOR .....

TOTAL TOOL 42

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 42

D.C. ABOVE TOOLS.Stands9 Single Total 520

D.P. ABOVE TOOLS.Stands56 Single 1 Total 3503

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4066

TOTAL DEPTH 4030

TOTAL DRILL PIPE ABOVE K.B. 35

REMARKS:



P.O. SUB 1' Above 120' DC	3868
C.O. SUB 1'	3988
S.I. TOOL 5'	3994
HMV 5'	3999
JARS n/a	
SAFETY JOINT 2'	4001
PACKER 4'	4005
PACKER 5'	4010
DEPTH	
STUBB 1'	4011
ANCHOR	
Alp Rec. @	4013
14' Perf	4025
T.C.	
DEPTH	
AK-1 Rec. @	4025
BULLNOSE 5'	
T.D.	4030

TEST HISTORY

11925 DST #1 Jack Dunne #1-35 Younger Energy Corp.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	1894.58
B:	0.00	147.26
C:	7.00	284.79
D:	30.00	1019.15
E:	0.00	327.69
F:	45.00	614.92
G:	123.00	946.79
Q:	0.00	1865.62

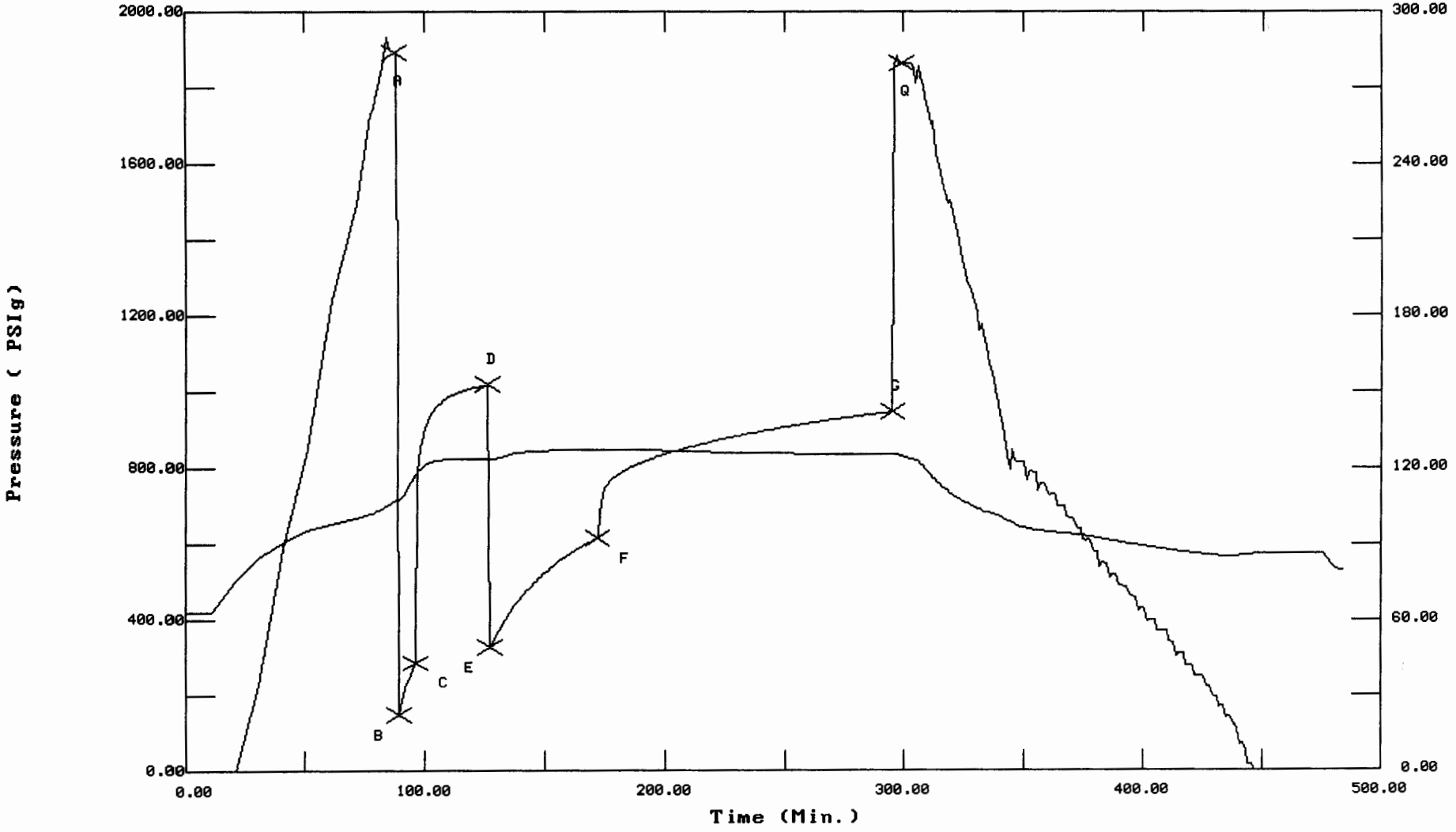
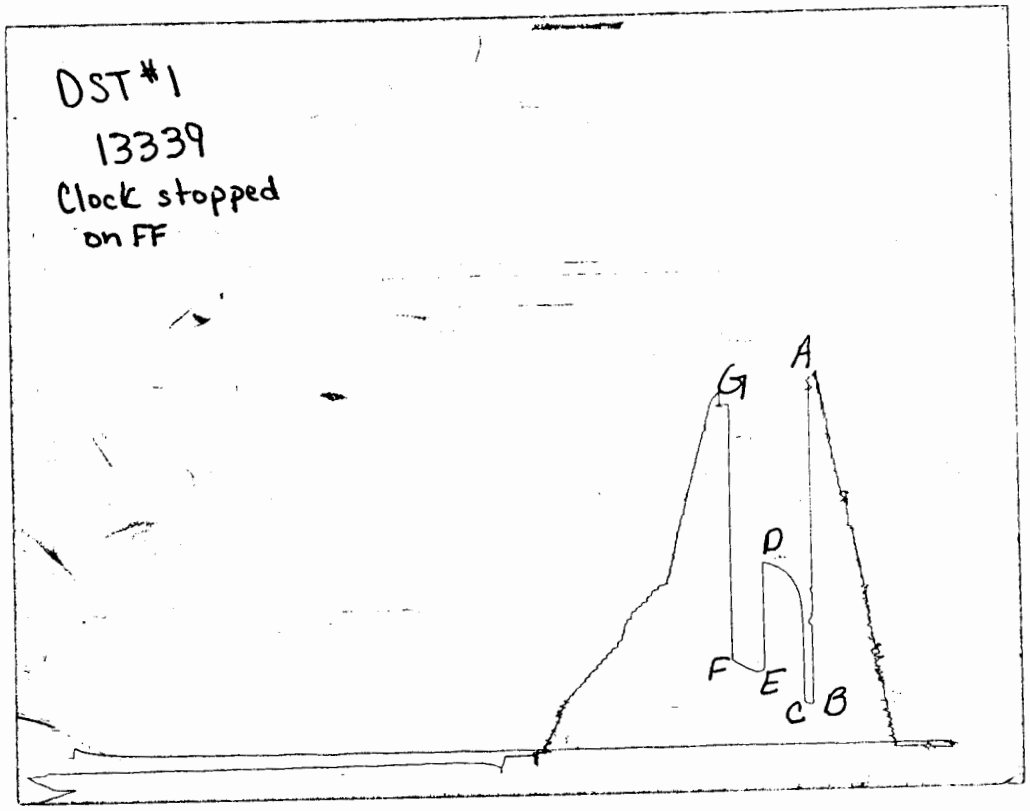


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601 № 11925

Test Ticket

Well Name & No. Jack Dunne #1-35 Test No. 1 Date 7-12-99

Company Younger Energy Corporation Zone Tested KC. 70'

Address 453 S. Webb Rd Ste 100 Wichita, KS. 67207 Elevation 2699 KB 2694 GL

Co. Rep / Geo. Scott Oatsdean Cont. Murfin #8 Est. Ft. of Pay ___ Por. ___ %

Location: Sec. 35 Twp. 18S Rge. 28W Co. Lane State KS.

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

Interval Tested 4010 - 4030 Initial Str Wt./Lbs. 55,000 Unseated Str Wt./Lbs. 65,000

Anchor Length 20' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 75,000

Top Packer Depth 4005 Tool Weight 1,800

Bottom Packer Depth 4010 Hole Size — 7 7/8" ___ Rubber Size — 6 3/4" ___

Total Depth 4030 Wt. Pipe Run — Drill Collar Run 520' (9)

Mud Wt. 8.9 LCM ___ Vis. 45 WL 10.4 Drill Pipe Size 4½" XH Ft. Run 3503' (56.1)

Blow Description IF: Fair to strong blow off bttm in 2 mins.

ISI: Surface blow built to 11" return.

FF: Strong blow off bttm 1 min.

FSI: Surface blow built to bttm ~~return~~ in 13 mins.

Recovery — Total Feet 1690' GIP 1050' Ft. in DC 520' Ft. in DP 1170'

Rec. ___	Feet Of ___		%gas		%oil		%water		%mud
Rec. 1410'	Feet Of CGO	10	%gas	90	%oil		%water		%mud
Rec. ___	Feet Of ___		%gas		%oil		%water		%mud
Rec. 240'	Feet Of OCM		%gas	5	%oil		%water	95	%mud
Rec. ___	Feet Of ___		%gas		%oil		%water		%mud

BHT 127° °F Gravity 35 °API D@ 100° °F Corrected Gravity 39 °API

RW ___ @ ___ °F Chlorides ___ ppm Recovery Chlorides 2,000 ppm System

	AK-1	Alpine				
(A) Initital Hydrostatic Mud	1902	1894	PSI	Recorder No.	3024	T-On Location 0630
(B) First Initial Flow Pressure	207	147	PSI	(depth)	4013	T-Started 0800
(C) First Final Flow Pressure	318	284	PSI	Recorder No.	13339	T-Open 0933
(D) Initial Shut-In Pressure	959	1019	PSI	(depth)	4025	T-Pulled 1250
(E) Second Initial Flow Pressure	395	327	PSI	Recorder No.	—	T-Out 1545
(F) Second Final Flow Pressure	447	614	PSI	(depth)	—	T-Off Location 1645
(G) Final Shut-in Pressure	___	946	PSI	Initial Opening	5	Test 700
(Q) Final Hydrostatic Mud	1832	1865	PSI	Initial Shut-in	30	Jars ___
				Final Flow	45	Safety Joint X 50
				Final Shut-in	120	Straddle ___
						Circ. Sub X N/C
						Sampler ___
						Extra Packer ___
						Elec. Rec. X 150
						Mileage ___
						Other ___
						TOTAL PRICE $ 900

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Scott A Oatsdean

Our Representative Rod Steinbrink

TRILOBITE TESTING L.L.C.

OPERATOR : Younger Energy Corp. DATE 7-13-99
WELL NAME: Jack Dunne #1-35 KB 2699.00 ft TICKET NO: 11951 DST #2
LOCATION : 35-18S-28W Lane KS GR 2694.00 ft FORMATION: KC 140'
INTERVAL : 4100.00 To 4135.00 ft TD 4135.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4
PF 5	Rec.	13339	13339	3024		
SI 30	Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0
SF 30	Clock(hrs)	12 HR	12	ALP		
FS 120	Depth(ft)	4130.0	4130.0	4102.0	0.0	0.0

TIME DATA----------
PF Fr. 0449 to 0454 hr
IS Fr. 0454 to 0524 hr
SF Fr. 0524 to 0554 hr
FS Fr. 0554 to 0754 hr

	Field	1	2	3	4
A. Init Hydro	0.0	0.0	1945.0	0.0	0.0
B. First Flow	0.0	0.0	14.0	0.0	0.0
B1. Final Flow	0.0	0.0	43.0	0.0	0.0
C. In Shut-in	0.0	0.0	1103.0	0.0	0.0
D. Init Flow	0.0	0.0	55.0	0.0	0.0
E. Final Flow	0.0	0.0	123.0	0.0	0.0
F. Fl Shut-in	0.0	0.0	1109.0	0.0	0.0
G. Final Hydro	0.0	0.0	1930.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 0245 hr
T ON BOTM 0447 hr
T OPEN 0449 hr
T PULLED 0754 hr
T OUT 0930 hr

RECOVERY
Tot Fluid 270.00 ft of 270.00 ft in DC and 0.00 ft in DP
140.00 ft of Clean gassy oil 10%gas 90%oil
130.00 ft of Oil cut mud 20%oil 80%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 39.00

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

Tool Wt.	1800.00 lbs
Wt Set On Packer	30000.00 lbs
Wt Pulled Loose	70000.00 lbs
Initial Str Wt	58000.00 lbs
Unseated Str Wt	60000.00 lbs
Bot Choke	0.75 in
Hole Size	8.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	520.00 ft
D.P. Length	0.00 ft

BLOW DESCRIPTION
Initial Flow:
Weak blow built to 3"
Initial Shut-in:
No return blow
Final Flow:
Weak to fair blow built to bottom in 22 mins.
Final Shut-in:
Weak surface return died in 10 mins

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

Mud Type	Chemical
Weight	8.90 lb/cf
Vis.	45.00 S/L
W.L.	10.40 in3
F.C.	0.00 in
Mud Drop	N
Amt. of fill	0.00 ft
Btm. H. Temp.	120.00 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.	Scott Oatsdean
Contr.	Murfin
Rig #	8
Unit #	
Pump T.	

SAMPLES:
SENT TO:

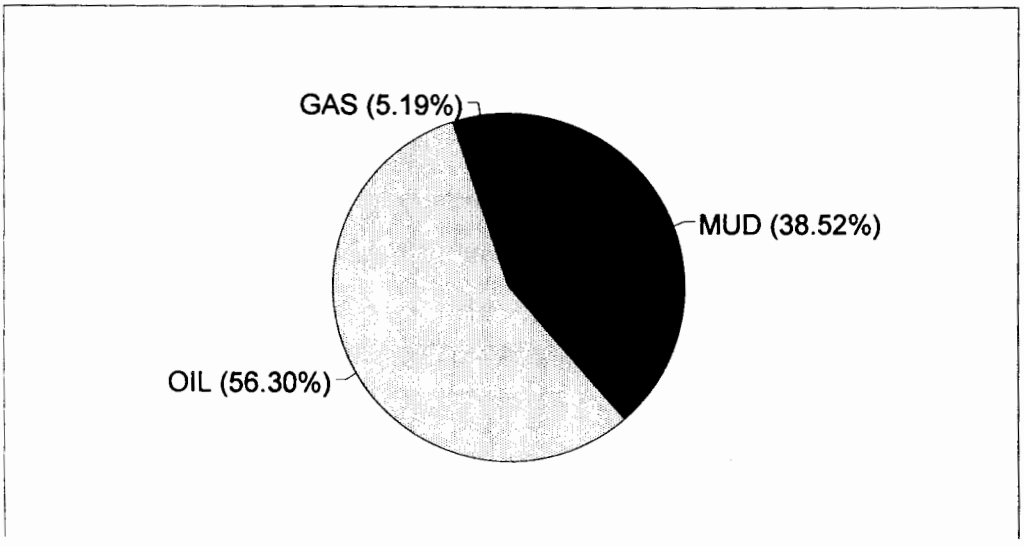
Test Successful: Y

CALCULATED RECOVERY ANALYSIS

DST 2 TICKET 11951

SAMPLE	#	TOTAL FEET	GAS %	GAS FEET	OIL %	OIL FEET	WATER %	WATER FEET	MUD %	MUD FEET
DRILL	1	0	0	0	0	0		0	0	0
PIPE	2			0		0		0		0
	3			0		0		0		0
	4			0		0		0		0
	5			0		0		0		0
	6			0		0		0		0
WEIGHT	1			0		0		0		0
PIPE	2			0		0		0		0
	3			0		0		0		0
	4			0		0		0		0
	5			0				0		0
DRILL	1	140	10	14	90	126		0		0
COLLARS	2	130		0	20	26		0	80	104
	3			0		0		0		0
	4			0		0		0		0
	5			0		0		0		0
TOTAL		270		14		152		0		104

			HRS OPEN		BBL/DAY
BBL OIL=	0.74328	*	0.5	=	35.67744
BBL WATER=	0	*		=	0
BBL MUD=	0.50856				
BBL GAS =	0.06846				



*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Jack Dunne #1-35

LOCATION : 35-18S-28W Lane KS

TICKET No. 11951 D.S.T. No. 2 DATE 7-13-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS 22

INTERVAL TOOL 35

BOTTOM PACKERS AND ANCHOR .....

TOTAL TOOL 57

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 57

D.C. ABOVE TOOLS.Stands9 Single Total 520

D.P. ABOVE TOOLS.Stands58 Single Total 3595

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4172

TOTAL DEPTH 4135

TOTAL DRILL PIPE ABOVE K.B. 37

REMARKS:



P.O. SUB 1' Above 120' DC	3958
C.O. SUB 1'	4078
S.I. TOOL 5'	4084
HMV 5'	4089
JARS n/a	
SAFETY JOINT 2'	4091
PACKER 4'	4095
PACKER 5'	4100
DEPTH	
STUBB 1'	4101
ANCHOR	
Alp Rec. @	4102
29' Perf	4130
T.C.	
DEPTH	
AK-1 Rec. @	4130
BULLNOSE 5'	
T.D.	4135

TEST HISTORY

11951 DST #2 Jack Dunne #1-35 Younger Energy Corp.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	1945.95
B:	0.00	14.68
C:	6.00	43.70
D:	32.00	1103.34
E:	0.00	55.32
F:	29.00	123.17
G:	119.00	1109.51
Q:	0.00	1930.49

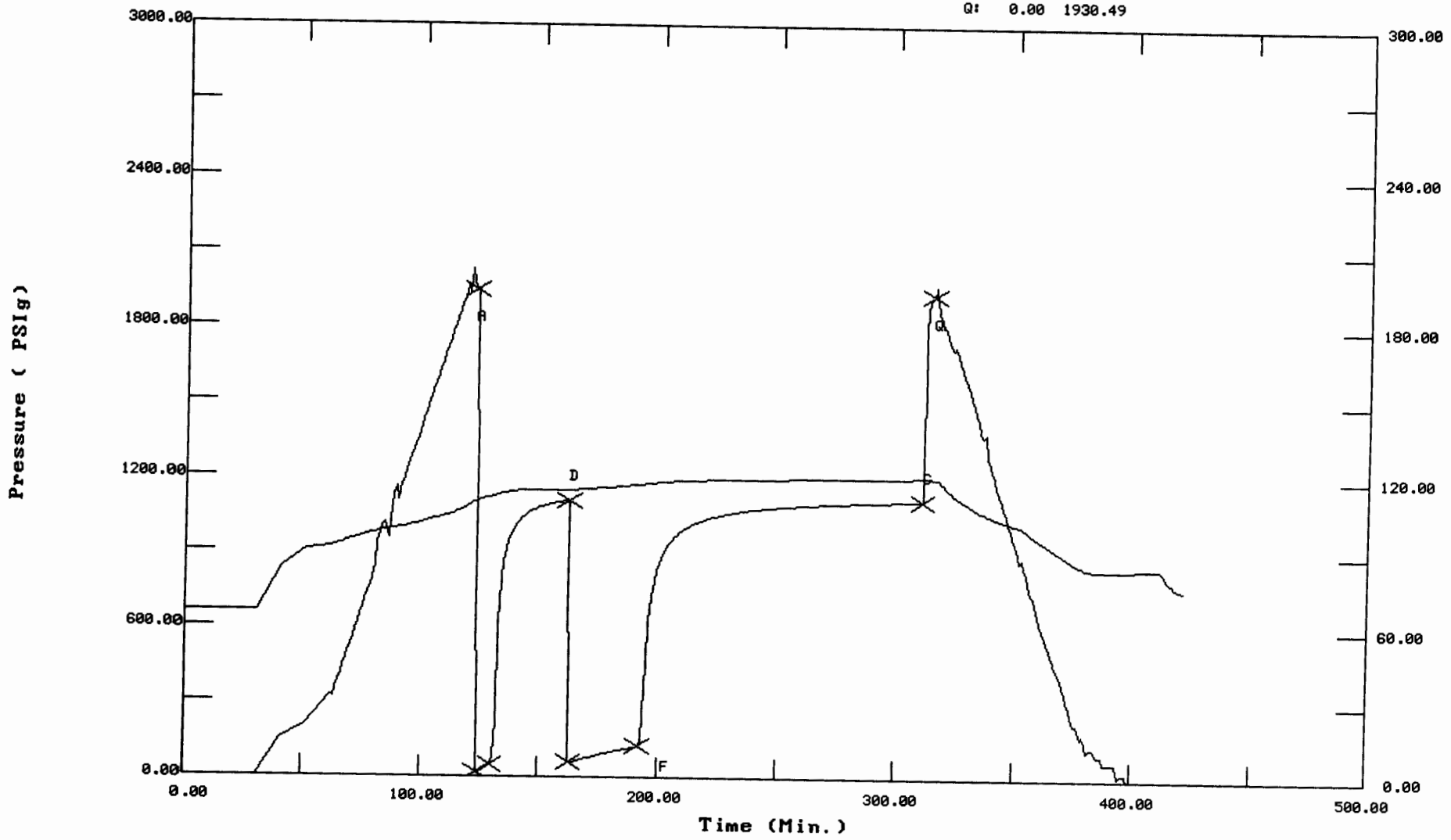
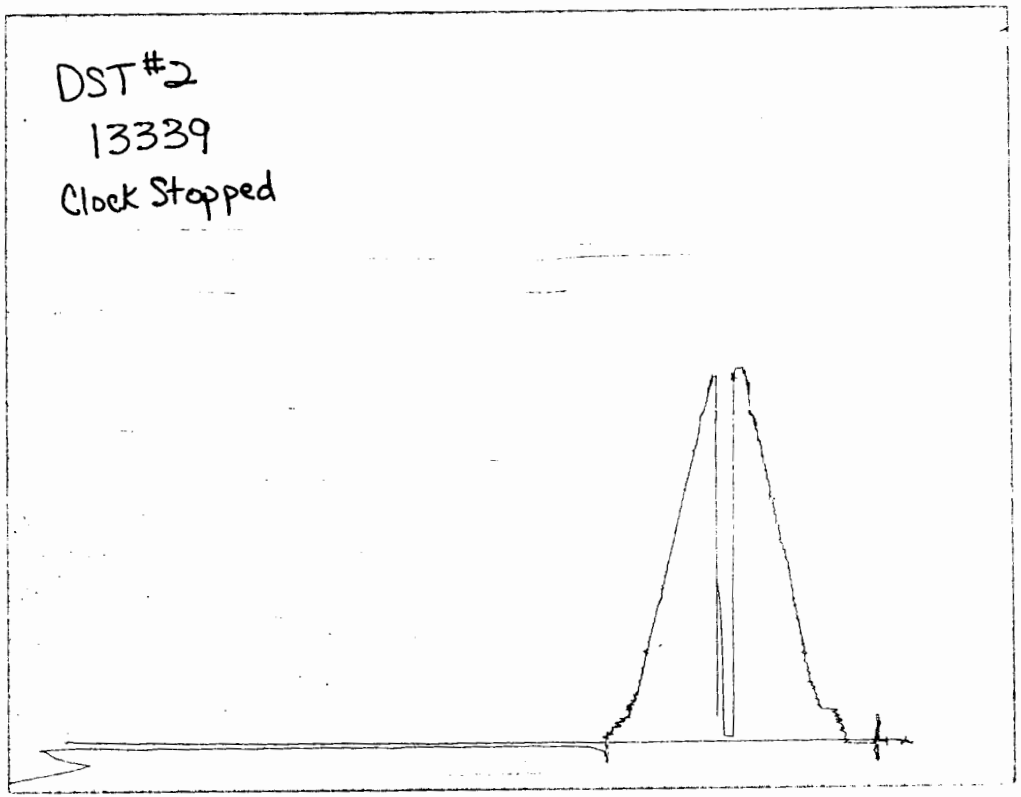


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601 № 11951

Test Ticket

Well Name & No. Jack Dunne #1-35 Test No. 2 Date 7-13-99

Company Younger Energy Corporation Zone Tested KC 140'

Address 453 S. Webb Rd Ste 100 Wichita, KS. 67207 Elevation 2699 KB 2694 GL

Co. Rep / Geo. Scott Oatsdean Cont. Murfin #8 Est. Ft. of Pay ___ Por. ___ %

Location: Sec. 35 Twp. 18S Rge. 28W Co. Lane State KS.

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

Interval Tested 4100-4135 Initial Str Wt./Lbs. 58,000 Unseated Str Wt./Lbs. 60,000

Anchor Length 35' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 70,000

Top Packer Depth 4095 Tool Weight 1,800

Bottom Packer Depth 4100 Hole Size — 7 7/8" ___ Rubber Size — 6 3/4" ___

Total Depth 4135 Wt. Pipe Run ___ Drill Collar Run 520' (9)

Mud Wt. 8.9 LCM ___ Vis. 45 WL 10.4 Drill Pipe Size 4½" XH Ft. Run 3595' (58)

Blow Description IF: Weak blow built to 3".

ISI: No return blow.

FF: Weak to fair blow built to bttm in 22 mins.

FSI: Weak surface return died in 10 mins.

Recovery — Total Feet 270' GIP — Ft. in DC 270' Ft. in DP —

Rec. ___	Feet Of ___	%gas	%oil	%water	%mud
Rec. 140'	Feet Of CGO	%gas	%oil	%water	%mud
Rec. ___	Feet Of ___	%gas	%oil	%water	%mud
Rec. 130'	Feet Of OCM	%gas	20 %oil	%water	80 %mud
Rec. ___	Feet Of ___	%gas	%oil	%water	%mud

BHT 120° °F Gravity 35 °API D@ 90° °F Corrected Gravity 39 °API

RW ___ @ ___ °F Chlorides ___ ppm Recovery Chlorides 2,000 ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud		1945	PSI	Recorder No.	3024	T-On Location	0200
(B) First Initial Flow Pressure		14	PSI	(depth)	4102	T-Started	0245
(C) First Final Flow Pressure		43	PSI	Recorder No.	13339	T-Open	0449
(D) Initial Shut-In Pressure		1103	PSI	(depth)	4130	T-Pulled	0754
(E) Second Initial Flow Pressure		55	PSI	Recorder No.	—	T-Out	0930
(F) Second Final Flow Pressure		123	PSI	(depth)	—	T-Off Location	1030
(G) Final Shut-in Pressure		1109	PSI	Initial Opening	5	Test	700
(Q) Final Hydrostatic Mud		1930	PSI	Initial Shut-in	30	Jars	
				Final Flow	30	Safety Joint	X 56
				Final Shut-in	120	Straddle	
						Circ. Sub	X N/C
						Sampler	
						Extra Packer	
						Elec. Rec.	X 150
						Mileage	
						Other	
						TOTAL PRICE $	900

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Scott A Oatsdean

Our Representative Rod Steinbrink

TRILOBITE TESTING L.L.C.

OPERATOR : Younger Enegry Corp. DATE 7-13-99
WELL NAME: Jack Dunne #1-35 KB 2699.00 ft TICKET NO: 11952 DST #3
LOCATION : 35-18S-28W Lane KS GR 2694.00 ft FORMATION: KC 180'
INTERVAL : 4165.00 To 4196.00 ft TD 4195.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4
PF 5	Rec.	13339	13339	3024		
SI 30	Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0
SF 45	Clock(hrs)	12 HR	12	ALP		
FS 120	Depth(ft)	4190.0	4190.0	4167.0	0.0	0.0

TIME DATA----------
PF Fr. 2235 to 2240 hr
IS Fr. 2240 to 2310 hr
SF Fr. 2310 to 2355 hr
FS Fr. 2355 to 0155 hr

	Field	1	2	3	4
A. Init Hydro	2023.0	2047.0	2001.0	0.0	0.0
B. First Flow	10.0	66.0	12.0	0.0	0.0
B1. Final Flow	10.0	47.0	13.0	0.0	0.0
C. In Shut-in	759.0	758.0	804.0	0.0	0.0
D. Init Flow	31.0	56.0	18.0	0.0	0.0
E. Final Flow	31.0	43.0	34.0	0.0	0.0
F. Fl Shut-in	739.0	742.0	793.0	0.0	0.0
G. Final Hydro	1972.0	1958.0	1958.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 2055 hr
T ON BOTM 2233 hr
T OPEN 2235 hr
T PULLED 0155 hr
T OUT 0400 hr

RECOVERY
Tot Fluid 30.00 ft of 30.00 ft in DC and 0.00 ft in DP
20.00 ft of Free Oil
10.00 ft of Oil cut mud 20%oil 80%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 39.00

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

Tool Wt.	1800.00 lbs
Wt Set On Packer	30000.00 lbs
Wt Pulled Loose	70000.00 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	2.25 in
D. Pipe ID	3.80 in
D.C. Length	520.00 ft
D.P. Length	3655.00 ft

BLOW DESCRIPTION
Initial Flow:
Weak surface blow built to 1"
Initial Shut-in:
No return blow
Final Flow:
Weak surface return built to 6"
Final Shut-in:
No return blow

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

Mud Type	Chemical
Weight	8.90 lb/cf
Vis.	44.00 S/L
W.L.	10.40 in3
F.C.	0.00 in
Mud Drop	N
Amt. of fill	0.00 ft
Btm. H. Temp.	119.00 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.	Scott Oatsdean
Contr.	Murfin
Rig #	8
Unit #	
Pump T.	

SAMPLES:
SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

:LL NAME: Jack Dunne #1-35

)CATION : 35-18S-28W Lane KS

'CKET No. 11952 D.S.T. No. 3 DATE 7-13-99

)TAL TOOL TO BOTTOM OF TOP PACKERS 22

!TERVAL TOOL 30

)TTOM PACKERS AND ANCHOR .....

)TAL TOOL 52

:ILL COLLAR ANCHOR IN INTERVAL .....

C. ANCHOR STND.Stands Single Total

P. ANCHOR STND.Stands Single Total

)TAL ASSEMBLY 52

C. ABOVE TOOLS.Stands9 Single Total 520

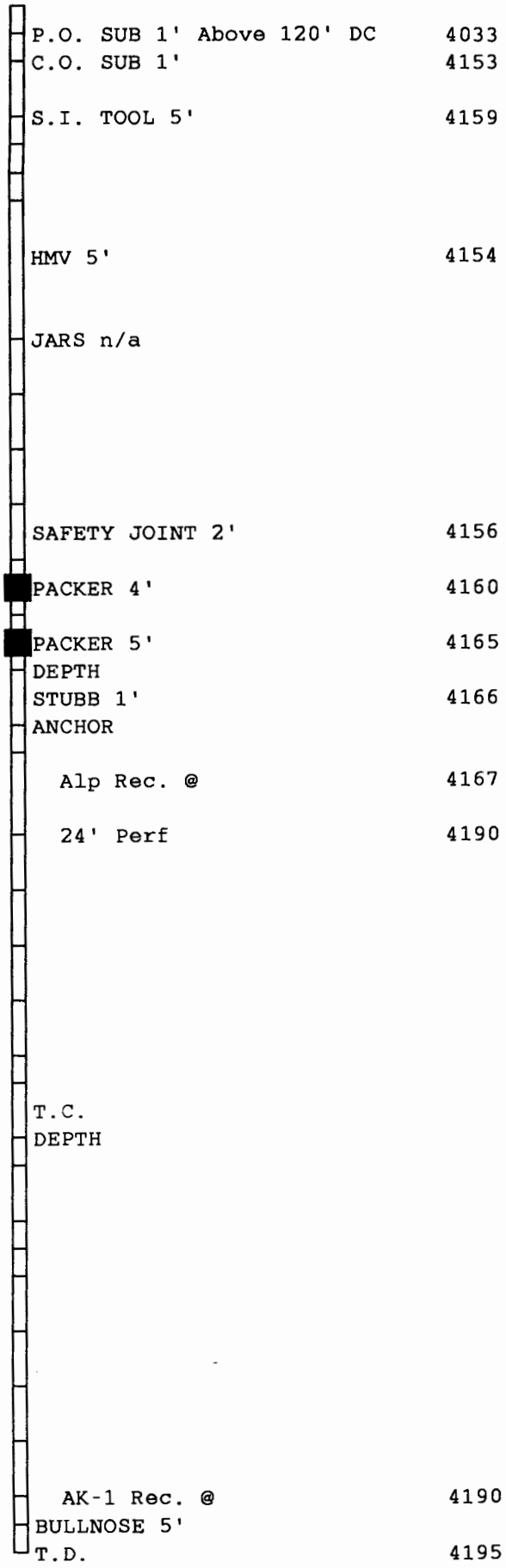
P. ABOVE TOOLS.Stands59 Single Total 3655

:TAL DRILL COLLARS DRILL PIPE & TOOLS .. 4227

:TAL DEPTH 4195

)TAL DRILL PIPE ABOVE K.B. 32

:MARKS:

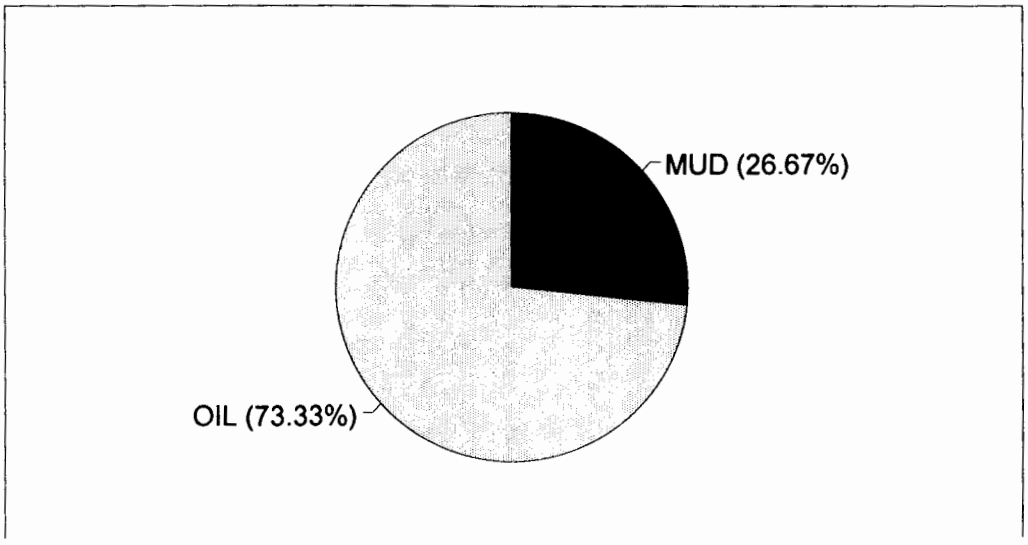


CALCULATED RECOVERY ANALYSIS

DST 3 TICKET 11952

SAMPLE #		TOTAL FEET	GAS %	GAS FEET	OIL %	OIL FEET	WATER %	WATER FEET	MUD %	MUD FEET
DRILL	1	0	0	0	0	0		0	0	0
PIPE	2	0	0	0	0	0		0		0
	3			0		0		0		0
	4			0		0		0		0
	5			0		0		0		0
	6			0		0		0		0
WEIGHT	1			0		0		0		0
PIPE	2			0		0		0		0
	3			0		0		0		0
	4			0		0		0		0
	5			0				0		0
DRILL	1	20	0	0	100	20		0		0
COLLARS	2	10	0	0	20	2		0	80	8
	3	0	5	0	0	0		0	0	0
	4	0	5	0		0	0	0	0	0
	5			0		0		0		0
TOTAL		30		0		22		0		8

			HRS OPEN		BBL/DAY
BBL OIL=	0.10758	*	0.83	=	3.110747
BBL WATER=	0	*		=	0
BBL MUD=	0.03912				
BBL GAS =	0				



TEST HISTORY

11952 DST #3 Jack Dunne #1-35 Younger Energy Corp.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2001.59
B:	0.00	12.88
C:	4.00	13.04
D:	31.00	804.96
E:	0.00	18.65
F:	43.00	34.29
G:	119.00	793.74
Q:	0.00	1958.37

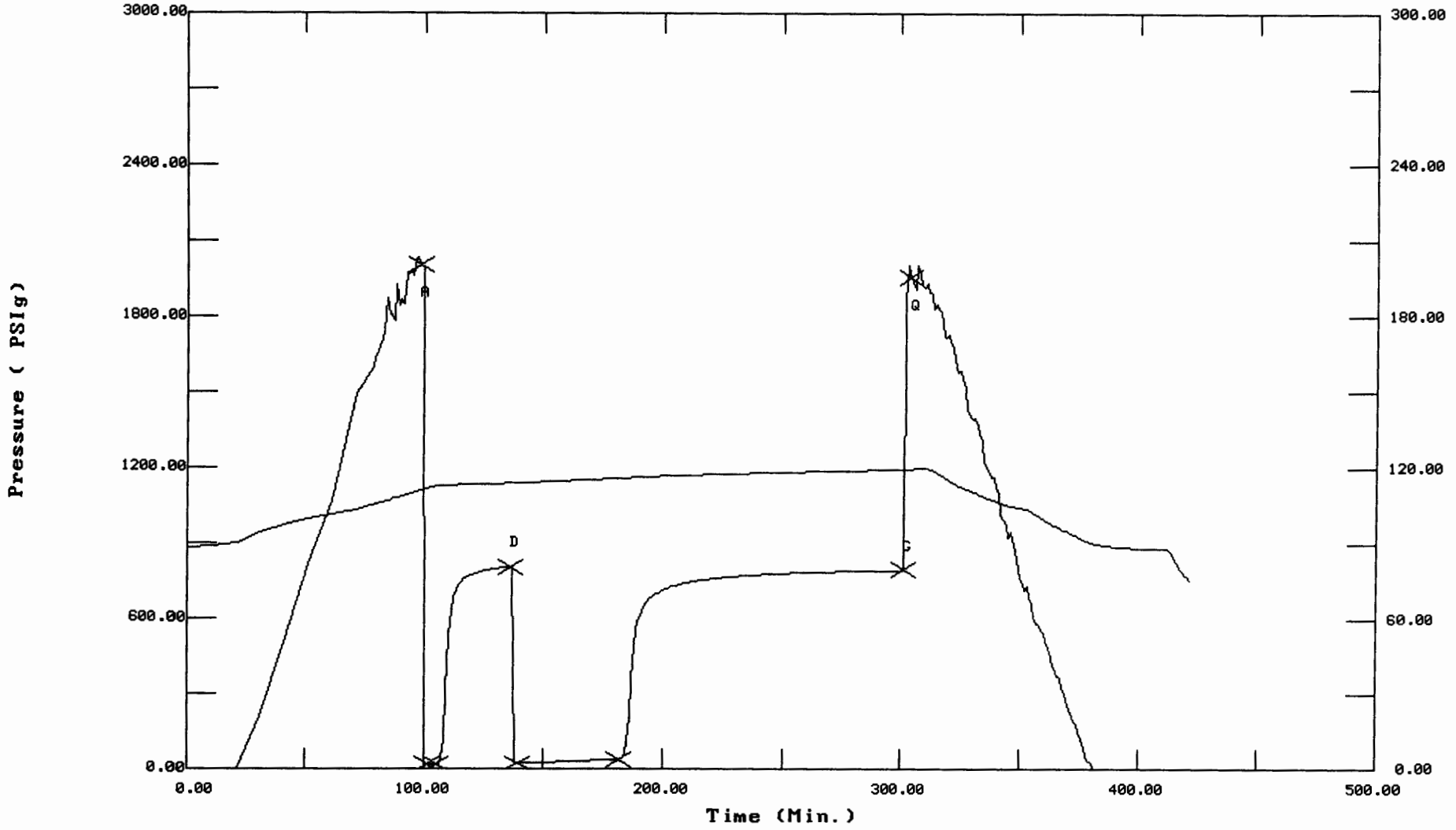
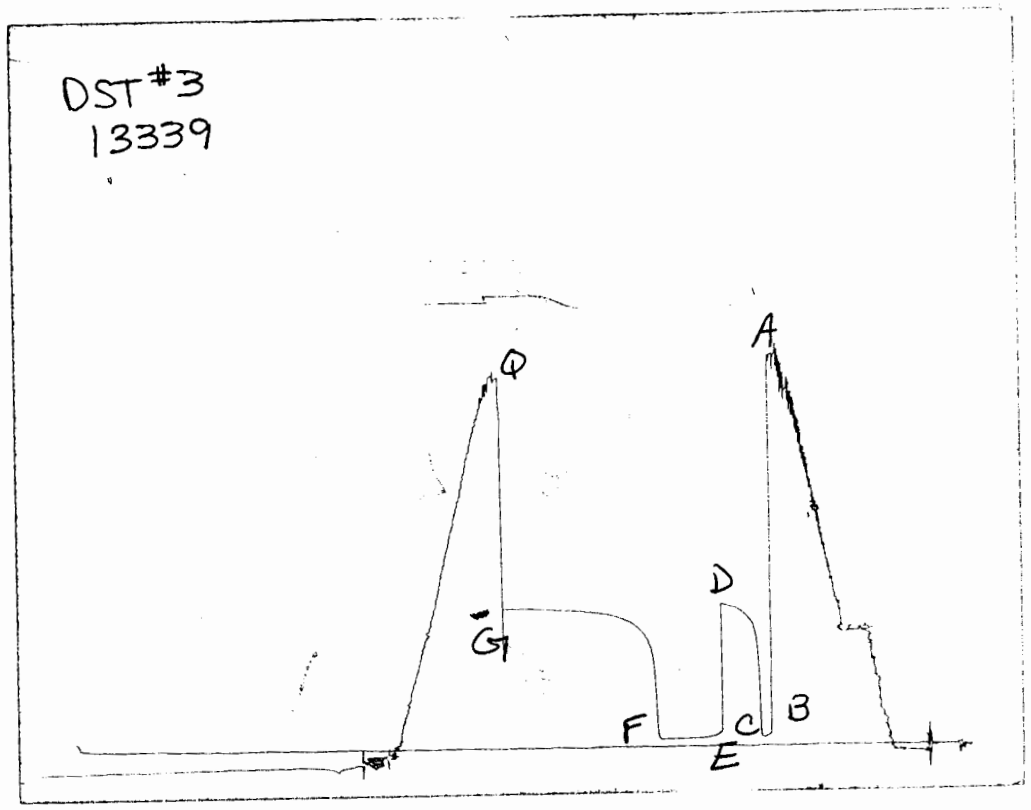


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601 Nº 11952

Test Ticket

Well Name & No. Jack Dunne #1-35 Test No. 3 Date 7-13-99

Company Younger Energy Corporation Zone Tested KC. 180'

Address 453 S. Webb Rd Ste 100 Wichita, KS 67207 Elevation 2699 KB 2694 GL

Co. Rep / Geo. Scott Oatsdean Cont. Murfin #8 Est. Ft. of Pay ___ Por. ___ %

Location: Sec. 35 Twp. 18 S Rge. 28 W Co. Lane State KS

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

Interval Tested 4165 - 4195 Initial Str Wt./Lbs. 58,000 Unseated Str Wt./Lbs. 58,000

Anchor Length 30' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. ___

Top Packer Depth 4160 Tool Weight 1,800

Bottom Packer Depth 4165 Hole Size — 7 7/8" ___ Rubber Size — 6 3/4" ___

Total Depth 4195 Wt. Pipe Run — Drill Collar Run 520' (9)

Mud Wt. 8.9 LCM ___ Vis. 44 WL 10.4 Drill Pipe Size 4½" XH Ft. Run 3655' (59)

Blow Description IF: Weak surface blow built to 1"

ISI: No blow back

FF: Weak surface return slowly built to 6"

FSI: No blow back

Recovery — Total Feet 30' GIP — Ft. in DC 30' Ft. in DP —

Rec. ___	Feet Of ___	%gas	%oil	%water	%mud
Rec. 20'	Feet Of FO	%gas	100 %oil	%water	%mud
Rec. ___	Feet Of ___	%gas	%oil	%water	%mud
Rec. 10'	Feet Of OCM	%gas	20 %oil	%water 80	%mud
Rec. ___	Feet Of ___	%gas	%oil	%water	%mud

BHT 119° °F Gravity 37 °API D@ 80° °F Corrected Gravity 39 °API

RW ___ @ ___ °F Chlorides ___ ppm Recovery Chlorides 2,500 ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud	2023	2001	PSI	Recorder No.	3024	T-On Location 2000
(B) First Initial Flow Pressure	10	12	PSI	(depth)	4167	T-Started 2055
(C) First Final Flow Pressure	10	13	PSI	Recorder No.	13339	T-Open 2235
(D) Initial Shut-In Pressure	759	804	PSI	(depth)	4190	T-Pulled 0155
(E) Second Initial Flow Pressure	31	18	PSI	Recorder No.	—	T-Out 0400
(F) Second Final Flow Pressure	31	34	PSI	(depth)	—	T-Off Location 0430
(G) Final Shut-in Pressure	739	793	PSI	Initial Opening	5	Test 700
(Q) Final Hydrostatic Mud	1972	1958	PSI	Initial Shut-in	30	Jars ___
				Final Flow	45	Safety Joint X 50
				Final Shut-in	120	Straddle ___
						Circ. Sub X N/C
						Sampler ___
						Extra Packer ___
						Elec. Rec. X 150
						Mileage ___
						Other ___
						TOTAL PRICE $ 900

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By [signature]

Our Representative Rod Steinbrink

TRILOBITE TESTING L.L.C.

OPERATOR : Younger Energy Corp. DATE 7-14-99
WELL NAME: Jack Dunne #1-35 KB 2699.00 ft TICKET NO: 11953 DST #4
LOCATION : 35-18S-28W Lane KS GR 2694.00 ft FORMATION: KC 200'
INTERVAL : 4195.00 To 4230.00 ft TD 4230.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4
PF 5	Rec.	13339	13339	3024		
SI 30	Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0
SF 45	Clock(hrs)	12 HR	12	ALP		
FS 120	Depth(ft)	4220.0	4220.0	4198.0	0.0	0.0

TIME DATA----------
PF Fr. 1327 to 1333 hr
IS Fr. 1333 to 1403 hr
SF Fr. 1403 to 1448 hr
FS Fr. 1448 to 1648 hr

	Field	1	2	3	4
A. Init Hydro	2123.0	2165.0	2008.0	0.0	0.0
B. First Flow	52.0	71.0	12.0	0.0	0.0
B1. Final Flow	52.0	68.0	27.0	0.0	0.0
C. In Shut-in	719.0	734.0	770.0	0.0	0.0
D. Init Flow	72.0	87.0	35.0	0.0	0.0
E. Final Flow	83.0	87.0	91.0	0.0	0.0
F. Fl Shut-in	749.0	752.0	775.0	0.0	0.0
G. Final Hydro	2073.0	2093.0	1958.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 1125 hr
T ON BOTM 1325 hr
T OPEN 1327 hr
T PULLED 1648 hr
T OUT 1830 hr

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

Tool Wt.	1800.00 lbs
Wt Set On Packer	30000.00 lbs
Wt Pulled Loose	70000.00 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	2.25 in
D. Pipe ID	3.80 in
D.C. Length	520.00 ft
D.P. Length	3686.00 ft

RECOVERY
Tot Fluid 140.00 ft of 140.00 ft in DC and 0.00 ft in DP
10.00 ft of Free Oil
10.00 ft of Oil cut mud 10%gas 40%oil 50%mud
60.00 ft of Slight gas oil cut mud 5%gas 15%oil 80%mud
60.00 ft of Slight oily mud cut water 5%oil 55%wtr 40%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 44.00

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

Mud Type	Chemical
Weight	8.90 lb/cf
Vis.	56.00 S/L
W.L.	11.20 in3
F.C.	0.00 in
Mud Drop	N
Amt. of fill	0.00 ft
Btm. H. Temp.	121.00 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.	Scott Oatsdean
Contr.	Murfin
Rig #	8
Unit #	
Pump T.	

BLOW DESCRIPTION
Initial Flow:
Weak surface blow built to 1"
Initial Shut-in:
No return blow
Final Flow:
Weak surface blow slowly built to 5"
Final Shut-in:
No return blow

SAMPLES:
SENT TO:

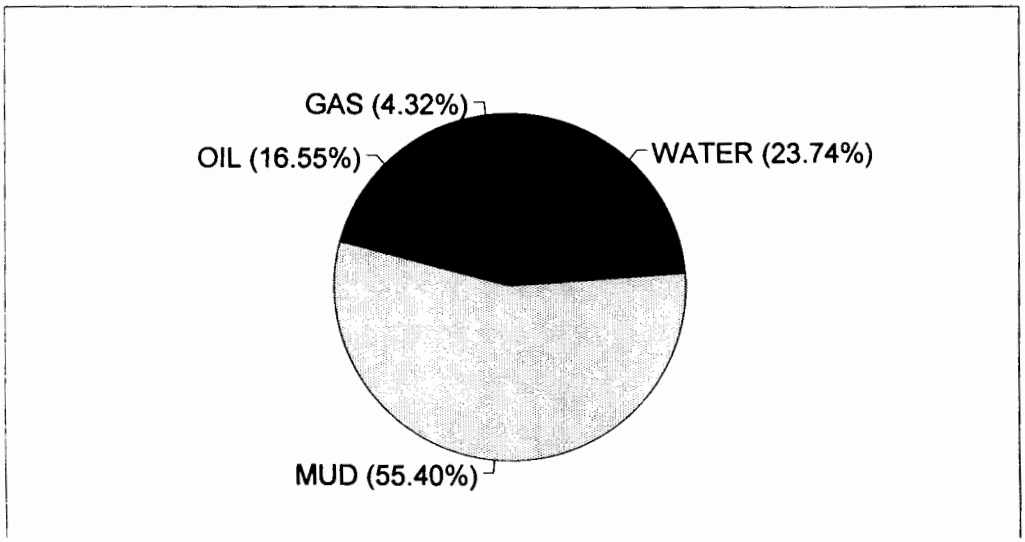
Test Successful: Y

CALCULATED RECOVERY ANALYSIS

DST 4 TICKET 11953

SAMPLE	#	TOTAL FEET	GAS %	GAS FEET	OIL %	OIL FEET	WATER %	WATER FEET	MUD %	MUD FEET
DRILL	1	0	0	0	0	0		0	0	0
PIPE	2	0	0	0	0	0		0		0
	3			0		0		0		0
	4			0		0		0		0
	5			0		0		0		0
	6			0		0		0		0
WEIGHT	1			0		0		0		0
PIPE	2			0		0		0		0
	3			0		0		0		0
	4			0		0		0		0
	5			0				0		0
DRILL	1	10	0	0	100	10		0		0
COLLARS	2	10	10	0	40	4		0	50	5
	3	60	5	3	15	9		0	80	48
	4	60	5	3		0	55	33	40	24
	5			0		0		0		0
TOTAL		140		6		23		33		77

			HRS OPEN		BBL/DAY
BBL OIL=	0.11247	*	0.83	=	3.252145
BBL WATER=	0.16137	*		=	4.66612
BBL MUD=	0.37653				
BBL GAS =	0.02934				



*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Jack Dunne #1-35

LOCATION : 35-18S-28W Lane KS

TICKET No. 11953 D.S.T. No. 4 DATE 7-14-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS 22

INTERVAL TOOL 35

BOTTOM PACKERS AND ANCHOR .....

TOTAL TOOL 57

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 57

D.C. ABOVE TOOLS.Stands9 Single Total 520

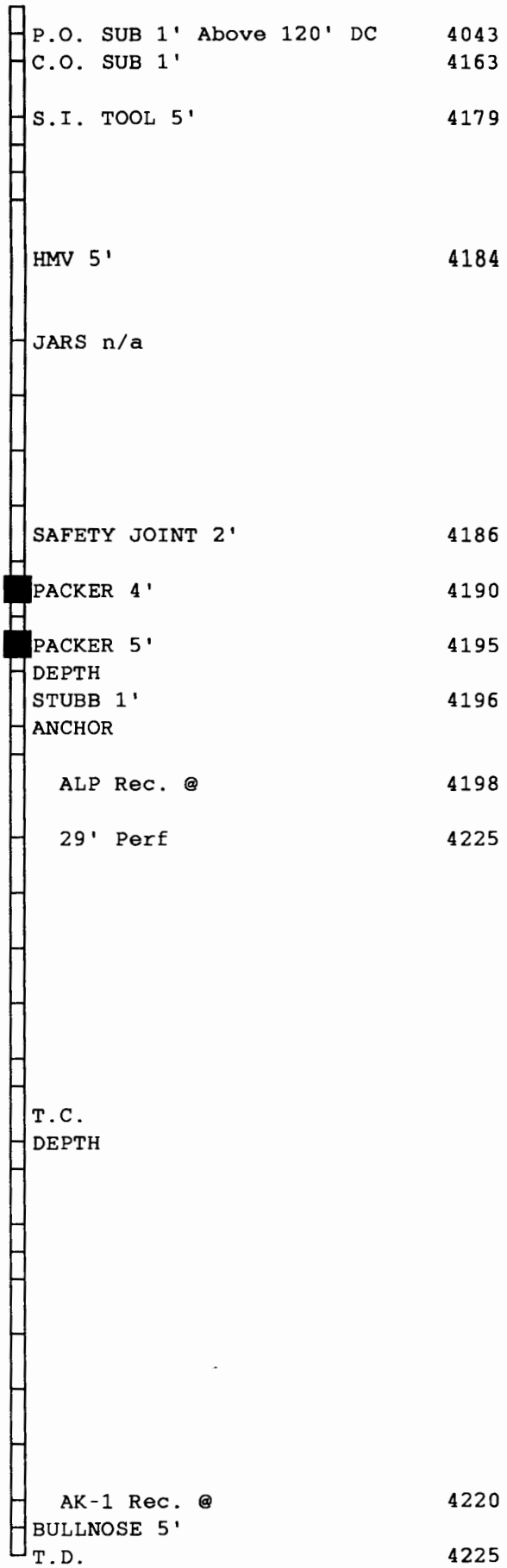
D.P. ABOVE TOOLS.Stands59 Single 1 Total 3686

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5263

TOTAL DEPTH 4230

TOTAL DRILL PIPE ABOVE K.B. 33

REMARKS:



TEST HISTORY

11953 DST #4 Jack Dunne #1-35 Younger Energy Corp.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2008.48
B:	0.00	12.84
C:	6.00	27.42
D:	31.00	770.23
E:	0.00	35.61
F:	46.00	91.43
G:	127.00	775.02
Q:	0.00	1958.27

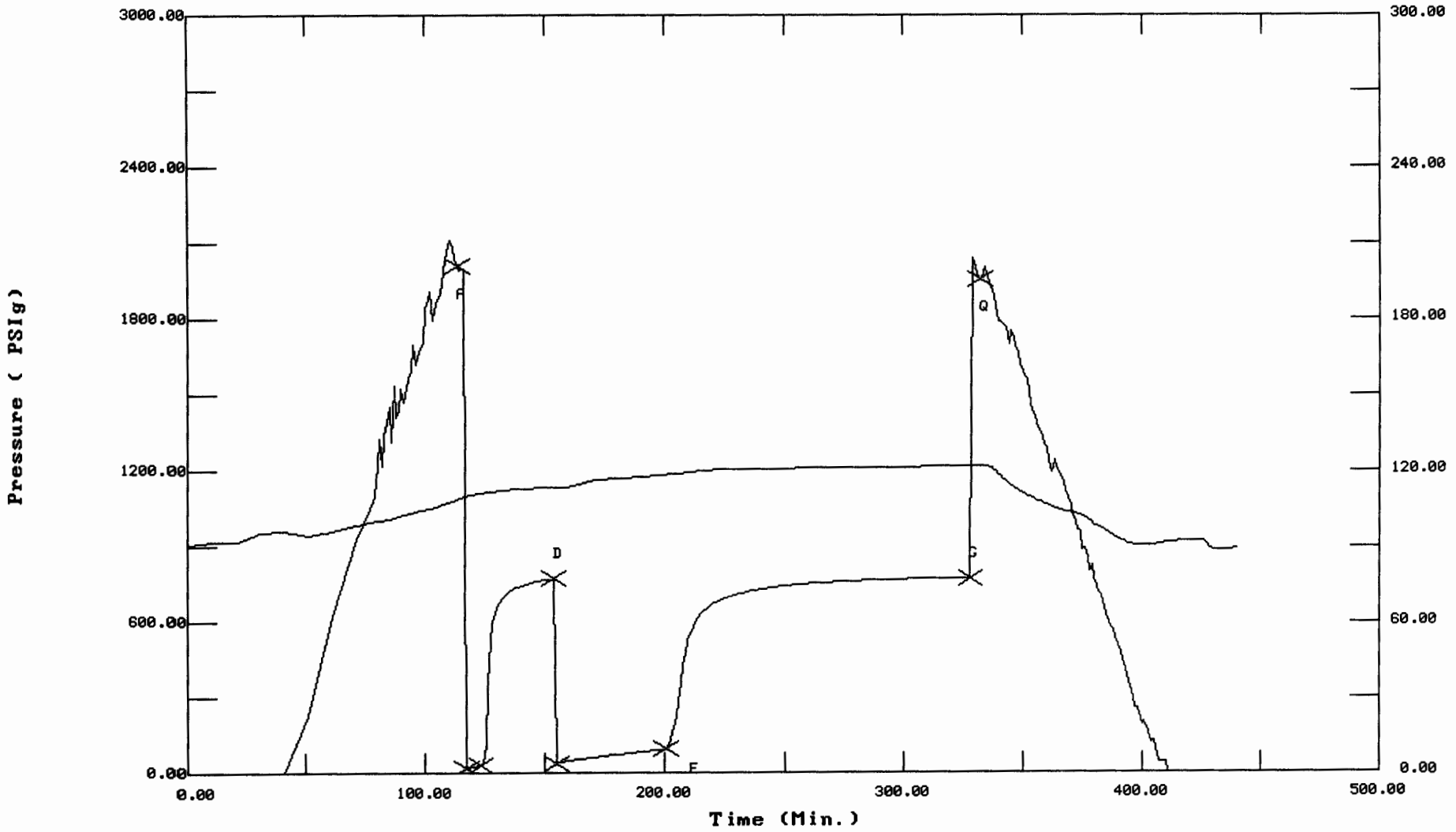
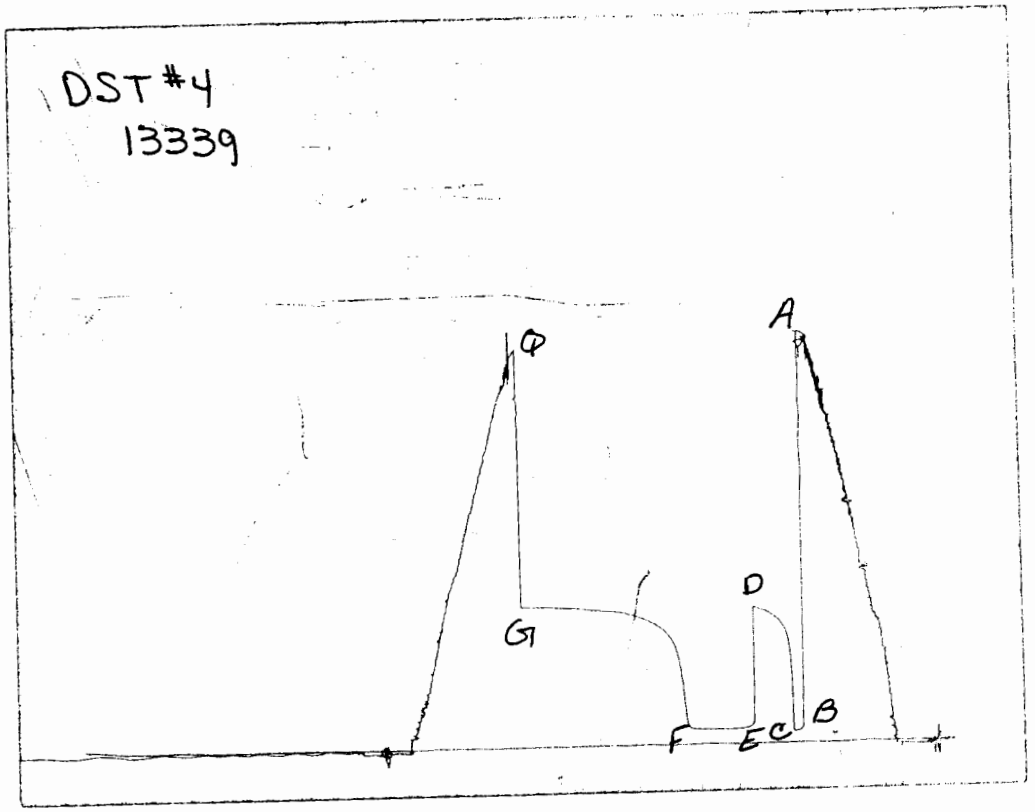


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601 Nº 11953

Test Ticket

Well Name & No. Jack Dunne #1-35 Test No. 4 Date 7-14-99

Company Younger Energy Corporation Zone Tested KC 200'

Address 453 S Webb Rd Ste 100 Wichita, KS. 67207 Elevation 2699 KB 2694 GL

Co. Rep / Geo. Scott Oatsdean Cont. Murfin #8 Est. Ft. of Pay ___ Por. ___ %

Location: Sec. 35 Twp. 18S Rge. 28W Co. Lane State KS.

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

Interval Tested 4195 - 4230 Initial Str Wt./Lbs. 58,000 Unseated Str Wt./Lbs. 58,000

Anchor Length 35' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 70,000

Top Packer Depth 4190 Tool Weight 1,800

Bottom Packer Depth 4195 Hole Size — 7 7/8" ___ Rubber Size — 6 3/4" ___

Total Depth 4230 Wt. Pipe Run — Drill Collar Run 520' (9)

Mud Wt. 8.9 LCM ___ Vis. 56 WL 11.2 Drill Pipe Size 4½" XH Ft. Run 3686' (59.1)

Blow Description IF: Weak surface blow built to 1"

FF: Weak surface blow slowly built to 5"

FSI: No return blow.

Recovery — Total Feet 140' GIP — Ft. in DC 140' Ft. in DP —

Rec. 10'	Feet Of FO		%gas		%oil		%water		%mud
Rec. 10'	Feet Of OCM	10	%gas	40	%oil	—	%water	50	%mud
Rec. 60'	Feet Of SGOCM	5	%gas	15	%oil	—	%water	80	%mud
Rec. 60'	Feet Of SDMCW		%gas	5	%oil	55	%water	40	%mud
Rec. ___	Feet Of ___		%gas		%oil		%water		%mud

BHT 121° °F Gravity 40 °API D@ 100° °F Corrected Gravity 44 °API

RW ___ @ ___ °F Chlorides ___ ppm Recovery Chlorides 2,800 ppm System

	AK-1	Alpine				
(A) Initital Hydrostatic Mud	2123	2008	PSI	Recorder No.	3024	T-On Location 100
(B) First Initial Flow Pressure	52	12	PSI	(depth)	4198	T-Started 1125
(C) First Final Flow Pressure	52	27	PSI	Recorder No.	13339	T-Open 1327
(D) Initial Shut-In Pressure	719	770	PSI	(depth)	4220	T-Pulled 1648
(E) Second Initial Flow Pressure	72	35	PSI	Recorder No.	—	T-Out 1830
(F) Second Final Flow Pressure	83	91	PSI	(depth)	—	T-Off Location 1930
(G) Final Shut-in Pressure	749	775	PSI	Initial Opening	5	Test 700
(Q) Final Hydrostatic Mud	2073	1958	PSI	Initial Shut-in	30	Jars ___
				Final Flow	45	Safety Joint X 50
				Final Shut-in	120	Straddle ___
						Circ. Sub X N/C
						Sampler ___
						Extra Packer ___
						Elec. Rec. X 150
						Mileage ___
						Other ___
						TOTAL PRICE $ 900

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Scott A Oatsdean

Our Representative Rod Steinbrink

TRILOBITE TESTING L.L.C.

OPERATOR : Younger Energy Corp. DATE 7-15-99
WELL NAME: Jack Dunne #1-35 KB 2699.00 ft TICKET NO: 11954 DST #5
LOCATION : 35-18S-28W Lane KS GR 2694.00 ft FORMATION: KC 220'& Middle Crk
INTERVAL : 4230.00 To 4280.00 ft TD 4280.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4
PF 5	Rec.	13339	13339	3024		
SI 30	Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0
SF 45	Clock(hrs)	12 HR	12	Alp		
FS 120	Depth(ft)	4075.0	4075.0	4235.0	0.0	0.0

TIME DATA----------
PF Fr. 0827 to 0833 hr
IS Fr. 0833 to 0903 hr
SF Fr. 0903 to 0948 hr
FS Fr. 0948 to 1148 hr

	Field	1	2	3	4
A. Init Hydro	2103.0	2114.0	2077.0	0.0	0.0
B. First Flow	72.0	82.0	16.0	0.0	0.0
B1. Final Flow	72.0	82.0	45.0	0.0	0.0
C. In Shut-in	919.0	910.0	945.0	0.0	0.0
D. Init Flow	114.0	110.0	56.0	0.0	0.0
E. Final Flow	155.0	142.0	180.0	0.0	0.0
F. Fl Shut-in	919.0	910.0	937.0	0.0	0.0
G. Final Hydro	2043.0	2047.0	2037.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 0625 hr
T ON BOTM 0831 hr
T OPEN 0833 hr
T PULLED 1148 hr
T OUT 1400 hr

RECOVERY
Tot Fluid 490.00 ft of 490.00 ft in DC and 0.00 ft in DP
570.00 ft of Gas in pipe
460.00 ft of Clean gassy oil 15%gas 85%oil
30.00 ft of Slight gassy oil cut mud
0.00 ft of 10% gas 30% oil 60% 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 42.00

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

Tool Wt.	1800.00 lbs
Wt Set On Packer	30000.00 lbs
Wt Pulled Loose	70000.00 lbs
Initial Str Wt	60000.00 lbs
Unseated Str Wt	65000.00 lbs
Bot Choke	0.75 in
Hole Size	8.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	520.00 ft
D.P. Length	3717.00 ft

BLOW DESCRIPTION
Initial Flow:
Weak to fair built to 9"
Initial Shut-in:
Surface return steady throughout
Final Flow:
Fair to strong blow off bottom in 10 mins.
Final Shut-in:
Surface return built off bottom in 11 mins.

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

Mud Type	Chemical
Weight	9.00 lb/cf
Vis.	52.00 S/L
W.L.	9.60 in3
F.C.	0.00 in
Mud Drop	N
Amt. of fill	0.00 ft
Btm. H. Temp.	124.00 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.	Scott Oatsdean
Contr.	Murfin
Rig #	8
Unit #	
Pump T.	

SAMPLES:
SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

ELL NAME: Jack Dunne #1-35

OCATION : 35-18S-28W Lane KS

ICKET No. 11954 D.S.T. No. 5 DATE 7-15-99

OTAL TOOL TO BOTTOM OF TOP PACKERS 22

NTERVAL TOOL 19

OTTOM PACKERS AND ANCHOR .....

OTAL TOOL 41

RILL COLLAR ANCHOR IN INTERVAL .....

.C. ANCHOR STND.Stands Single Total

.P. ANCHOR STND.Stands Single 1 Total 31

OTAL ASSEMBLY 72

.C. ABOVE TOOLS.Stands9 Single Total 520

.P. ABOVE TOOLS.Stands60 Single Total 3717

OTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4309

OTAL DEPTH 4280

OTAL DRILL PIPE ABOVE K.B. 29

EMARKS:



P.O. SUB 1' Above 120' DC	4088
C.O. SUB 1'	4208
S.I. TOOL 5'	4214
HMV 5'	4219
JARS n/a	
SAFETY JOINT 2'	4221
PACKER 4'	4225
PACKER 5'	4230
DEPTH	
STUBB 1'	4231
ANCHOR	
ALP Rec. @	4235
11' Perf	4242
1' c//o sub	4243
31' DP	4274
1'c/o sub	4275
T.C.	
DEPTH	
AK-1 Rec. @	4275
BULLNOSE 5'	
T.D.	4280

TEST HISTORY

11954 DST #5 Jack Dunne #1-35 Younger Energy Corp.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2077.19
B:	0.00	16.21
C:	6.00	45.13
D:	29.92	945.51
E:	0.00	56.12
F:	44.83	180.15
G:	126.08	937.49
Q:	0.00	2037.45

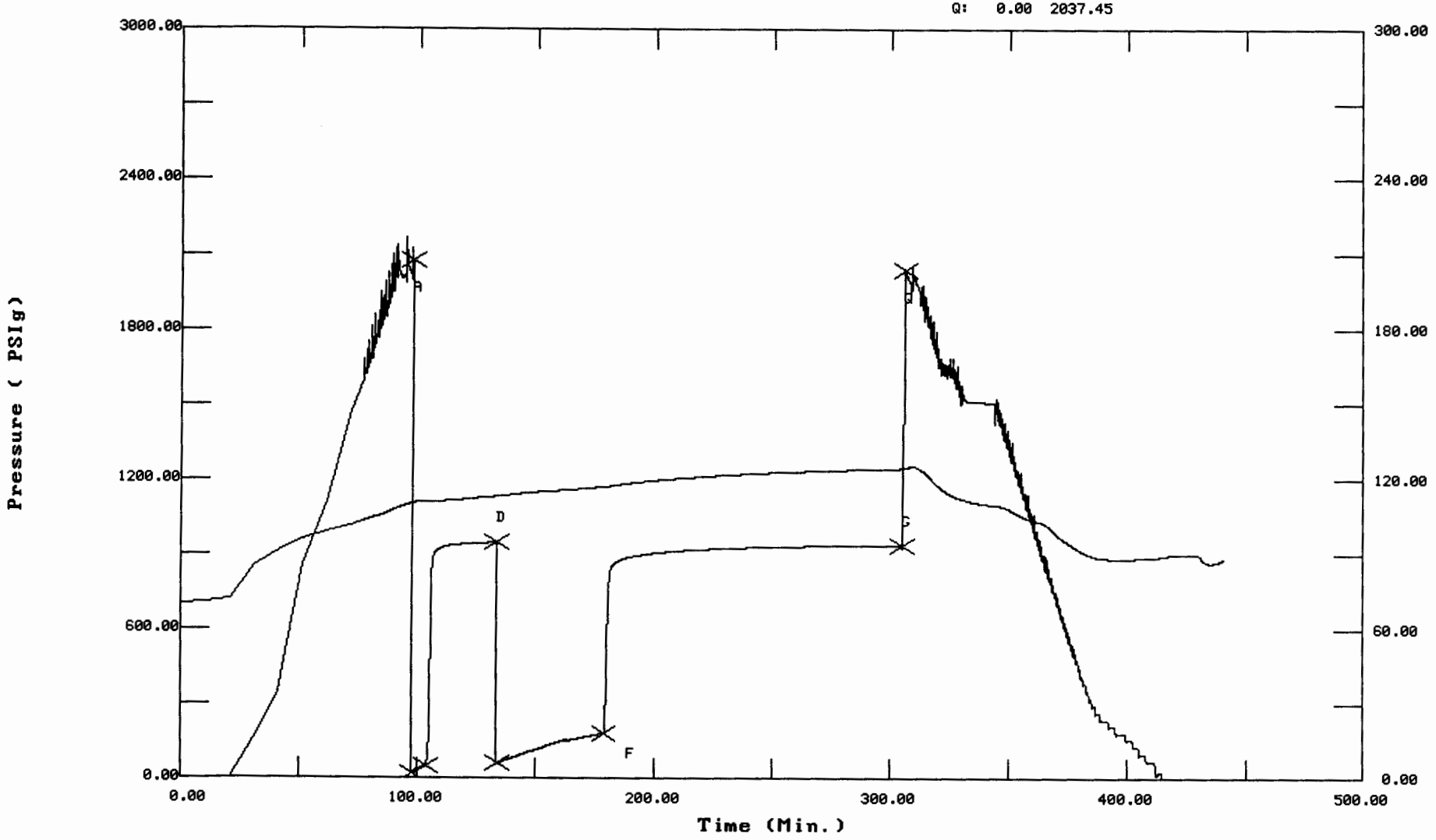
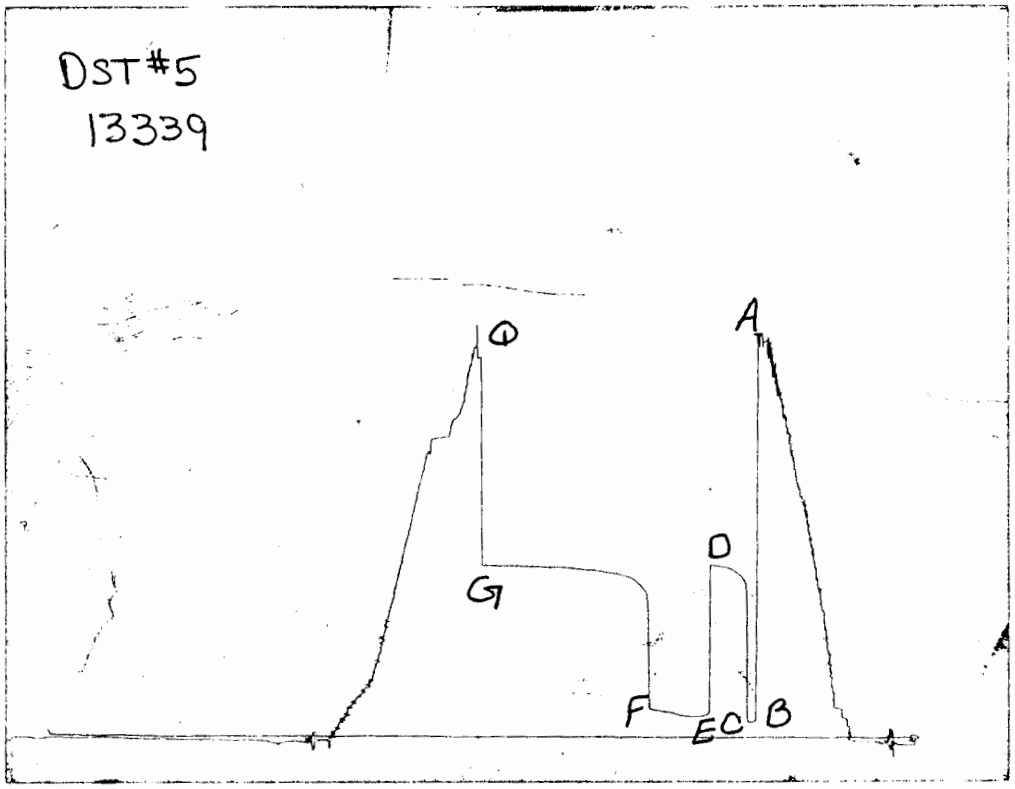


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601 No. 11954

Test Ticket

Well Name & No. Jack Dunne #1-35 Test No. 5 Date 7-15-99

Company Younger Energy Corporation Zone Tested KC 220' & Mdle Cr.

Address 453 S Webb Rd Ste 100 Wichita, KS. 67207 Elevation 2699 KB 2694 GL

Co. Rep / Geo. Scott Oatsdean Cont. Murfin #8 Est. Ft. of Pay ___ Por. ___ %

Location: Sec. 35 Twp. 18S Rge. 28W Co. Lane State KS.

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

Interval Tested 4230-4280 Initial Str Wt./Lbs. 60,000 Unseated Str Wt./Lbs. 65,000

Anchor Length 50' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 70,000

Top Packer Depth 4225 Tool Weight 1,800

Bottom Packer Depth 4230 Hole Size — 7 7/8" ___ Rubber Size — 6 3/4" ___

Total Depth 4280 Wt. Pipe Run — Drill Collar Run 520' (9)

Mud Wt. 9.0 LCM ___ Vis. 52 WL 9.6 Drill Pipe Size 4½" XH Ft. Run 3717' (60)

Blow Description IF: Weak to fair blow built to 9"

ISI: Surface return steady throughout.

FF: Fair to strong blow off bttm in 10 mins.

FSI: Surface return built off bttm in 11 mins.

Recovery — Total Feet 490' GIP 570' Ft. in DC 490' Ft. in DP —

Rec.		Feet Of		%gas	%oil	%water	%mud
Rec.	460'	Feet Of	CGO	15 %gas	85 %oil	%water	%mud
Rec.		Feet Of		%gas	%oil	%water	%mud
Rec.	30'	Feet Of	SGOCM	10 %gas	30 %oil	%water	60 %mud
Rec.		Feet Of		%gas	%oil	%water	%mud

BHT 124° °F Gravity 39 °API D@ 90° °F Corrected Gravity 42 °API

RW ___ @ ___ °F Chlorides ___ ppm Recovery Chlorides 3,000 ppm System

	AK-1	Alpine				
(A) Initital Hydrostatic Mud	2103		PSI	Recorder No.	3024	T-On Location 0545
(B) First Initial Flow Pressure	72		PSI	(depth)	4235	T-Started 0645
(C) First Final Flow Pressure	72		PSI	Recorder No.	13339	T-Open 0827
(D) Initial Shut-In Pressure	919		PSI	(depth)	4275	T-Pulled 1148
(E) Second Initial Flow Pressure	114		PSI	Recorder No.	—	T-Out 1400
(F) Second Final Flow Pressure	155		PSI	(depth)	—	T-Off Location 1500
(G) Final Shut-in Pressure	919		PSI	Initial Opening	5	Test 700
(Q) Final Hydrostatic Mud	2043		PSI	Initial Shut-in	30	Jars ___
				Final Flow	45	Safety Joint X 50
				Final Shut-in	120	Straddle ___
						Circ. Sub X H/C
						Sampler ___
						Extra Packer ___
						Elec. Rec. X 15-0
						Mileage ___
						Other ___
						TOTAL PRICE $ 900

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Scott A Oatsdean

Our Representative Rod Steinbrink

TRILOBITE TESTING L.L.C.

OPERATOR : Younger Energy Corp. DATE 7-15-99
WELL NAME: Jack Dunne #1-35 KB 2699.00 ft TICKET NO: 11955 DST #6
LOCATION : 35-18S-28W Lane KS GR 2694.00 ft FORMATION: Pleasaton
INTERVAL : 4283.00 To 4312.00 ft TD 4312.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4
PF 5	Rec.	13339	13339	3024		
SI 30	Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0
SF 20	Clock(hrs)	12 HR	12	ALP		
FS 60	Depth(ft)	4307.0	4307.0	4288.0	0.0	0.0

TIME DATA----------
PF Fr. 0027 to 0032 hr
IS Fr. 0032 to 0102 hr
SF Fr. 0102 to 0122 hr
FS Fr. 0122 to 0222 hr

	Field	1	2	3	4
A. Init Hydro	2043.0	2038.0	2087.0	0.0	0.0
B. First Flow	10.0	33.0	10.0	0.0	0.0
B1. Final Flow	10.0	31.0	13.0	0.0	0.0
C. In Shut-in	20.0	37.0	47.0	0.0	0.0
D. Init Flow	10.0	27.0	16.0	0.0	0.0
E. Final Flow	10.0	27.0	18.0	0.0	0.0
F. Fl Shut-in	20.0	36.0	56.0	0.0	0.0
G. Final Hydro	2013.0	2013.0	2007.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 2254 hr
T ON BOTM 0025 hr
T OPEN 0027 hr
T PULLED 0222 hr
T OUT 0430 hr

RECOVERY
Tot Fluid 5.00 ft of 5.00 ft in DC and 0.00 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
SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

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

Tool Wt.	1800.00 lbs
Wt Set On Packer	30000.00 lbs
Wt Pulled Loose	70000.00 lbs
Initial Str Wt	60000.00 lbs
Unseated Str Wt	60000.00 lbs
Bot Choke	0.75 in
Hole Size	8.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	520.00 ft
D.P. Length	3780.00 ft

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

Mud Type	Chemical
Weight	9.00 lb/cf
Vis.	52.00 S/L
W.L.	10.50 in3
F.C.	0.00 in
Mud Drop	N

BLOW DESCRIPTION
Initial Flow:
Weak surface blow almost died
Final Flow:
No return blow

Amt. of fill	0.00 ft
Btm. H. Temp.	118.00 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.	John Christian
Contr.	Murfin
Rig #	8
Unit #	
Pump T.	

SAMPLES:
SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

ELL NAME: Jack Dunne #1-35

OCATION : 35-18S-28W Lane KS

ICKET No. 11955 D.S.T. No. 6 DATE 7-15-99

OTAL TOOL TO BOTTOM OF TOP PACKERS 22

NTERVAL TOOL 29

OTTOM PACKERS AND ANCHOR .....

OTAL TOOL 51

RILL COLLAR ANCHOR IN INTERVAL .....

.C. ANCHOR STND.Stands Single Total

.P. ANCHOR STND.Stands Single Total

OTAL ASSEMBLY 51

.C. ABOVE TOOLS.Stands9 Single Total 520

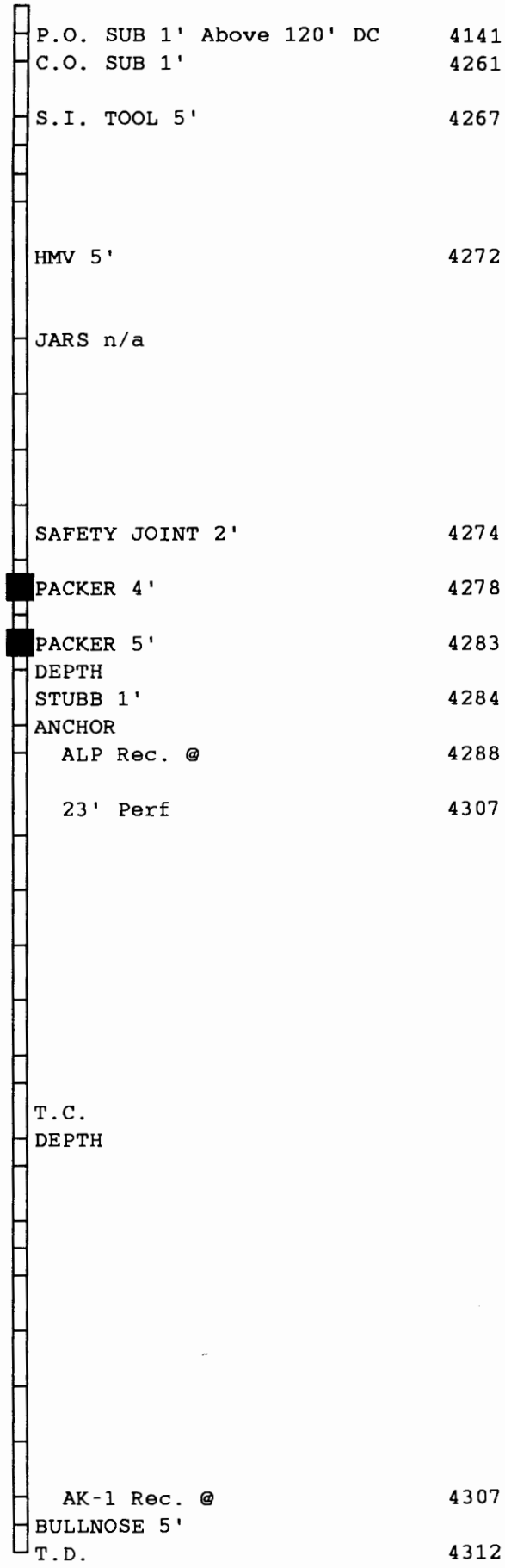
.P. ABOVE TOOLS.Stands61 Single Total 3780

OTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4351

OTAL DEPTH 4312

OTAL DRILL PIPE ABOVE K.B. 39

EMARKS:



TEST HISTORY

11955 DST #6 Jack Dunne #1-35 Younger Energy Corp

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2087.80
B:	0.00	10.20
C:	15.25	13.87
D:	17.33	47.33
E:	0.00	16.23
F:	15.75	16.93
G:	64.92	56.78
Q:	0.00	2007.09

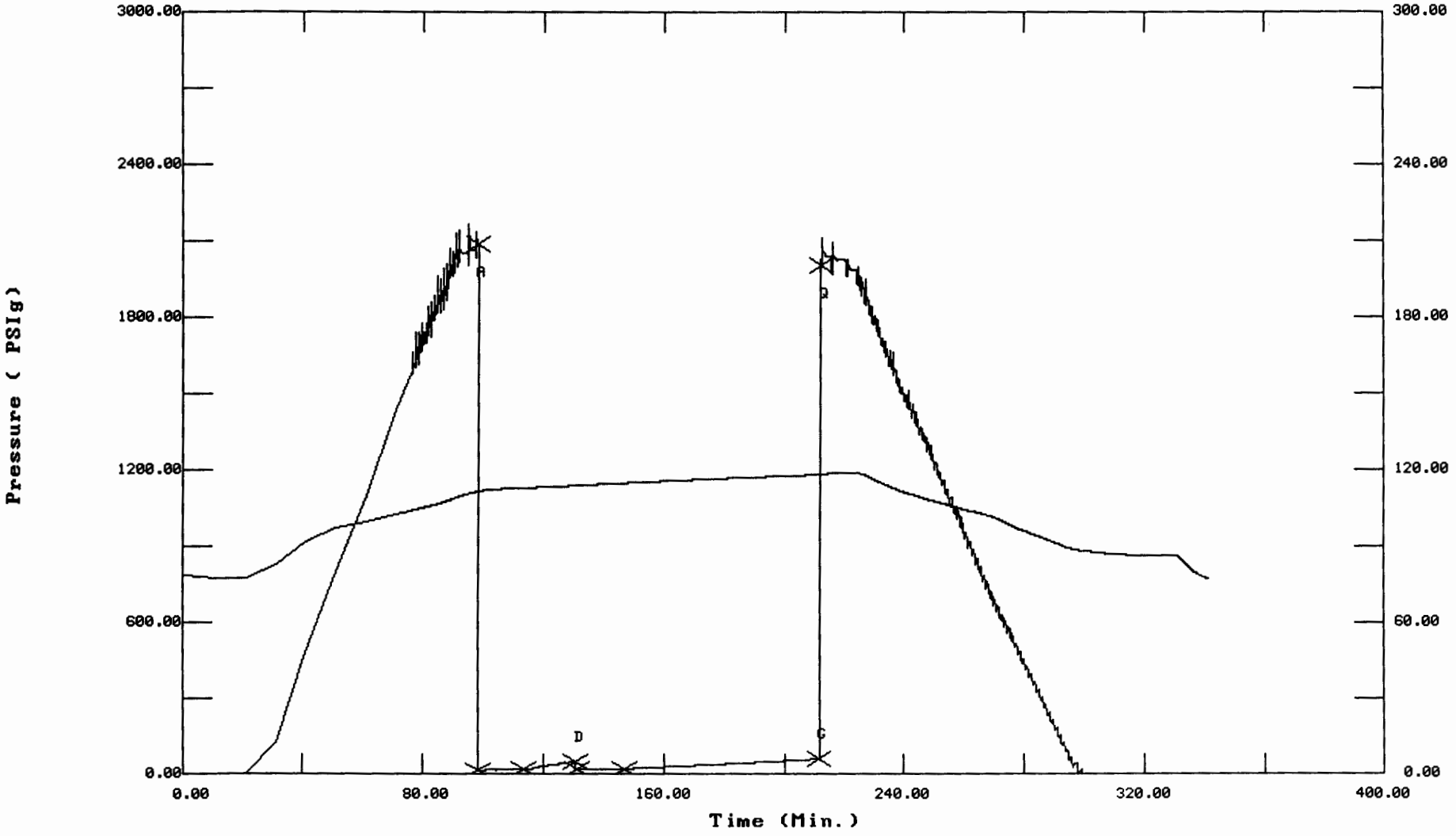
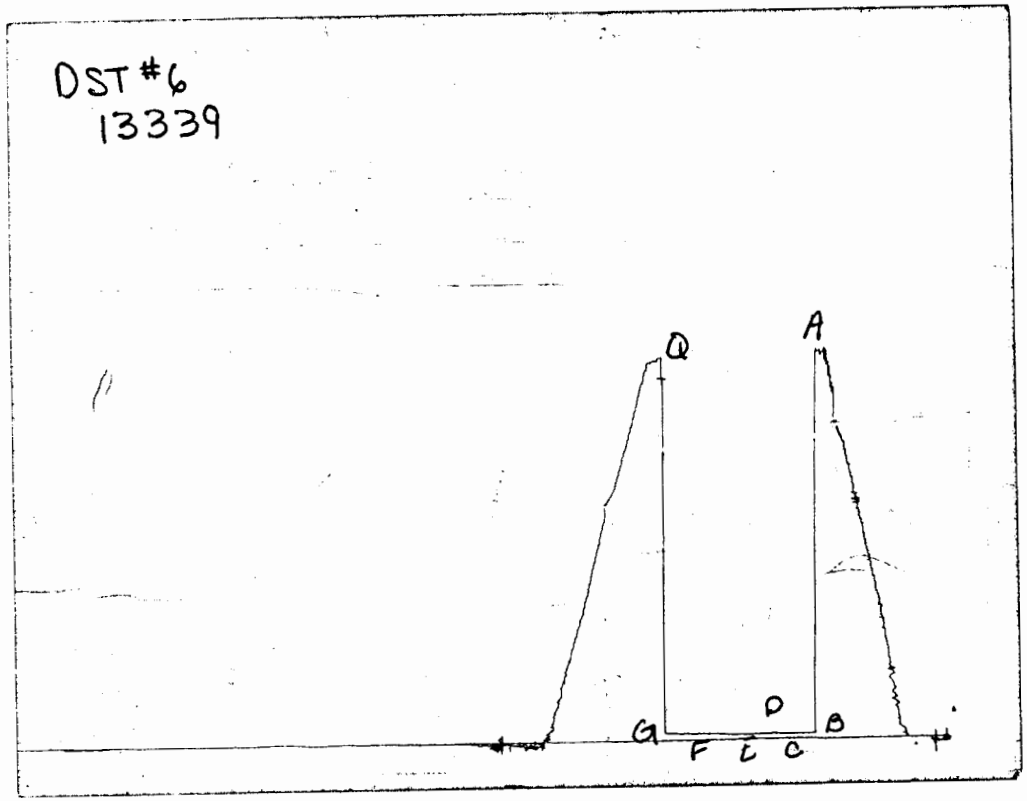


CHART PAGE



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TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601 № 11955

Test Ticket

Well Name & No. Jack Dunne #1-35 Test No. 6 Date 7-15-99

Company Younger Energy Corporation Zone Tested Pleasanton

Address 453 S Webb Rd Ste 100 Wichita, KS. 67207 Elevation 2699 KB 2694 GL

Co. Rep / Geo. John Christian Cont. Murfin #8 Est. Ft. of Pay ___ Por. ___ %

Location: Sec. 35 Twp. 18S Rge. 28W Co. Lane State KS.

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

Interval Tested 4283 - 4312 Initial Str Wt./Lbs. 60,000 Unseated Str Wt./Lbs. 60,000

Anchor Length 29' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 70,000

Top Packer Depth 4278 Tool Weight 1,800

Bottom Packer Depth 4283 Hole Size — 7 7/8" ___ Rubber Size — 6 3/4" ___

Total Depth 4312 Wt. Pipe Run — Drill Collar Run 520' (9)

Mud Wt. 9.0 LCM ___ Vis. 52 WL 10.5 Drill Pipe Size 4½" XH Ft. Run 3780' (61)

Blow Description IF: Weak surface blow almost died

FF: No return blow.

Recovery — Total Feet 5' GIP — Ft. in DC 5' Ft. in DP —

Rec. ___	Feet Of ___	%gas	%oil	%water	%mud
Rec. ___	Feet Of ___	%gas	%oil	%water	%mud
Rec. 5'	Feet Of Drlg Mud	%gas	%oil	%water	%mud
Rec. ___	Feet Of ___	%gas	%oil	%water	%mud
Rec. ___	Feet Of ___	%gas	%oil	%water	%mud

BHT 118° °F Gravity ___ °API D@ ___ °F Corrected Gravity ___ °API

RW ___ @ ___ °F Chlorides ___ ppm Recovery Chlorides 3,000 ppm System

	AK-1	Alpine				
(A) Initital Hydrostatic Mud	2043	2087	PSI	Recorder No.	3024	T-On Location 2200
(B) First Initial Flow Pressure	10	10	PSI	(depth)	4288	T-Started 2254
(C) First Final Flow Pressure	10	13	PSI	Recorder No.	13339	T-Open 0027
(D) Initial Shut-In Pressure	20	47	PSI	(depth)	4307	T-Pulled 0220
(E) Second Initial Flow Pressure	10	16	PSI	Recorder No.	—	T-Out 0430
(F) Second Final Flow Pressure	10	18	PSI	(depth)	—	T-Off Location 0515
(G) Final Shut-in Pressure	20	56	PSI	Initial Opening	5	Test 700
(Q) Final Hydrostatic Mud	2013	2007	PSI	Initial Shut-in	30	Jars ___
				Final Flow	20	Safety Joint X 50
				Final Shut-in	60	Straddle ___
						Circ. Sub X N/C
						Sampler ___
						Extra Packer ___
						Elec. Rec. X 150
						Mileage ___
						Other ___
						TOTAL PRICE $ 900

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By ___

Our Representative Rod Steinbrink

TRILOBITE TESTING L.L.C.

OPERATOR : Younger Energy Corp DATE 7-16-99
WELL NAME: Jack Dunne #1-35 KB 2699.00 ft TICKET NO: 11956 DST #7
LOCATION : 35-18S-28W Lane KS GR 2694.00 ft FORMATION: Pawnee
INTERVAL : 4386.00 To 4406.00 ft TD 4406.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4
PF 5	Rec.	13339	13339	3024		
SI 30	Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0
SF 20	Clock(hrs)	12 HR	12	ALP		
FS 15	Depth(ft)	4401.0	4401.0	4388.0	0.0	0.0

TIME DATA----------
PF Fr. 2031 to 2036 hr
IS Fr. 2036 to 2106 hr
SF Fr. 2106 to 2126 hr
FS Fr. 2126 to 2142 hr

	Field	1	2	3	4
A. Init Hydro	2123.0	2168.0	2162.0	0.0	0.0
B. First Flow	10.0	15.0	13.0	0.0	0.0
B1. Final Flow	10.0	17.0	18.0	0.0	0.0
C. In Shut-in	699.0	744.0	838.0	0.0	0.0
D. Init Flow	20.0	45.0	15.0	0.0	0.0
E. Final Flow	20.0	45.0	16.0	0.0	0.0
F. Fl Shut-in	31.0	39.0	154.0	0.0	0.0
G. Final Hydro	2103.0	2117.0	2115.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 1815 hr
T ON BOTM 2029 hr
T OPEN 2031 hr
T PULLED 2142 hr
T OUT 2345 hr

RECOVERY
Tot Fluid 1.00 ft of 1.00 ft in DC and 0.00 ft in DP
1.00 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

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

Tool Wt.	1800.00 lbs
Wt Set On Packer	30000.00 lbs
Wt Pulled Loose	65000.00 lbs
Initial Str Wt	60000.00 lbs
Unseated Str Wt	60000.00 lbs
Bot Choke	0.75 in
Hole Size	8.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	520.00 ft
D.P. Length	3873.00 ft

BLOW DESCRIPTION
Initial Flow:
Weak surface blow throughout
Final Flow:
No return blow

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

Mud Type	Chemical
Weight	9.00 lb/cf
Vis.	47.00 S/L
W.L.	9.60 in3
F.C.	0.00 in
Mud Drop	N
Amt. of fill	0.00 ft
Btm. H. Temp.	119.00 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.	John Christensen
Contr.	Murfin
Rig #	8
Unit #	
Pump T.	

SAMPLES:
SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

ELL NAME: Jack Dunne #1-35

OCATION : 35-18S-28W Lane KS

ICKET No. 11956 D.S.T. No. 7 DATE 7-16-99

OTAL TOOL TO BOTTOM OF TOP PACKERS 22

NTERVAL TOOL 20

OTTOM PACKERS AND ANCHOR .....

OTAL TOOL 42

RILL COLLAR ANCHOR IN INTERVAL .....

.C. ANCHOR STND.Stands Single Total

.P. ANCHOR STND.Stands Single Total

OTAL ASSEMBLY 42

.C. ABOVE TOOLS.Stands9 Single Total 520

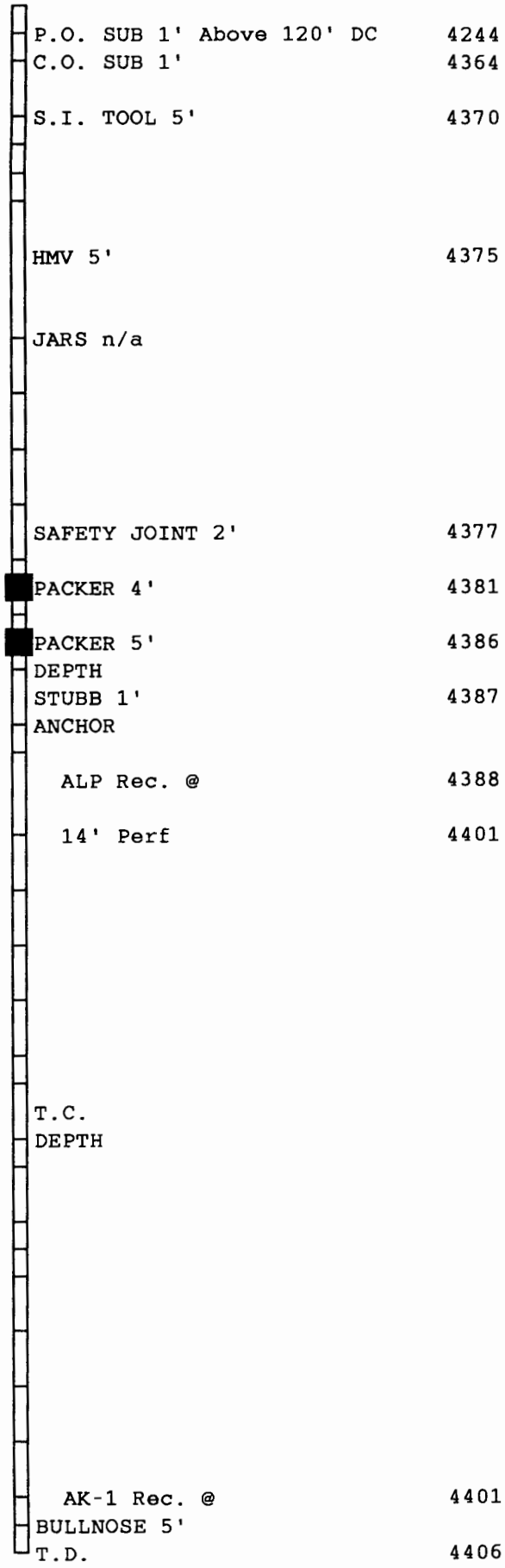
.P. ABOVE TOOLS.Stands62 Single 1 Total 3873

OTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4435

OTAL DEPTH 4406

OTAL DRILL PIPE ABOVE K.B. 29

EMARKS:



TEST HISTORY

11956 DST #7 Jack Dunne #1-35 Younger Energy Corp.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2162.49
B:	0.00	13.52
C:	14.17	18.85
D:	22.42	838.70
E:	0.00	15.87
F:	19.75	16.72
G:	13.75	154.07
Q:	0.00	2115.58

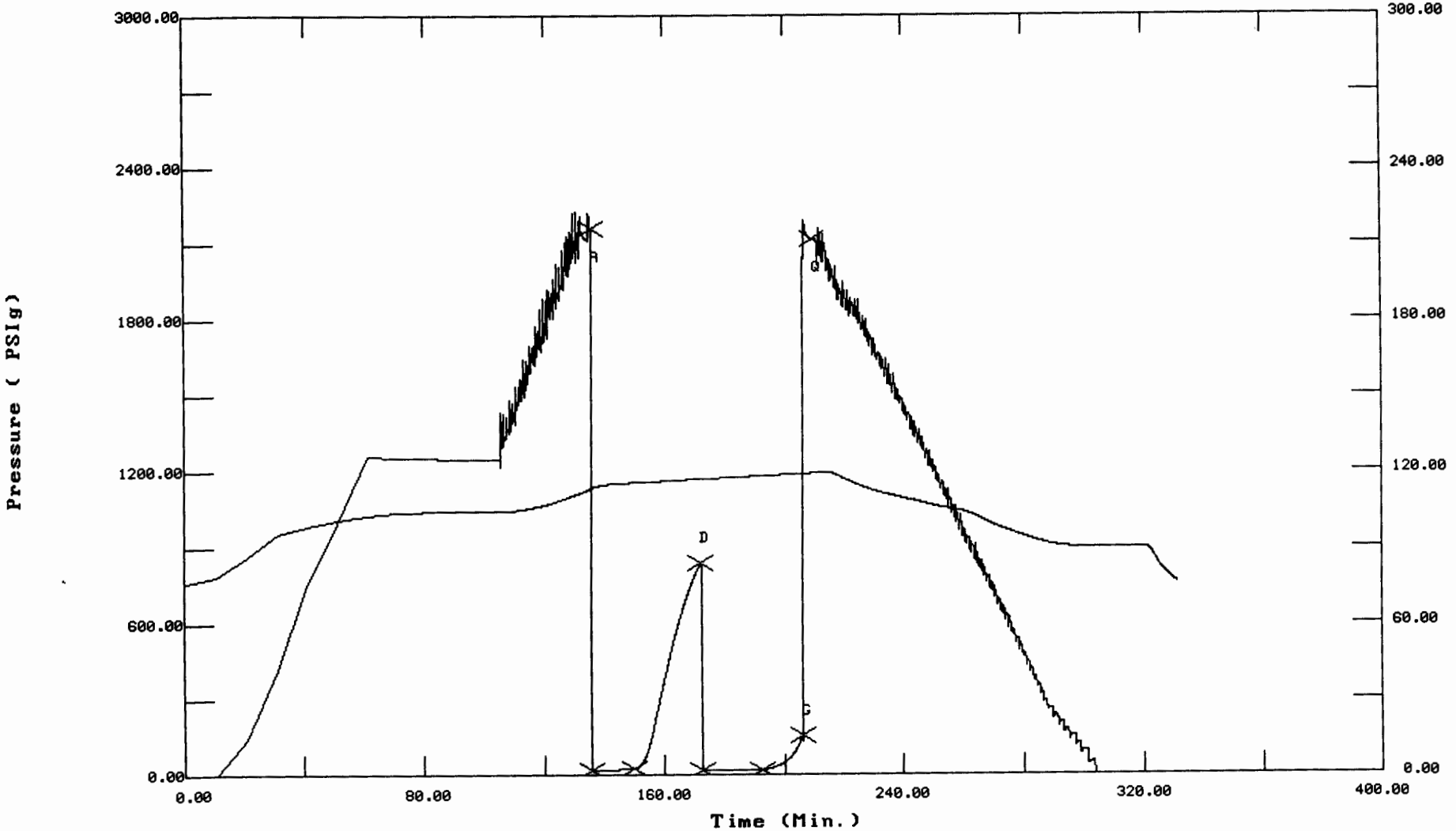
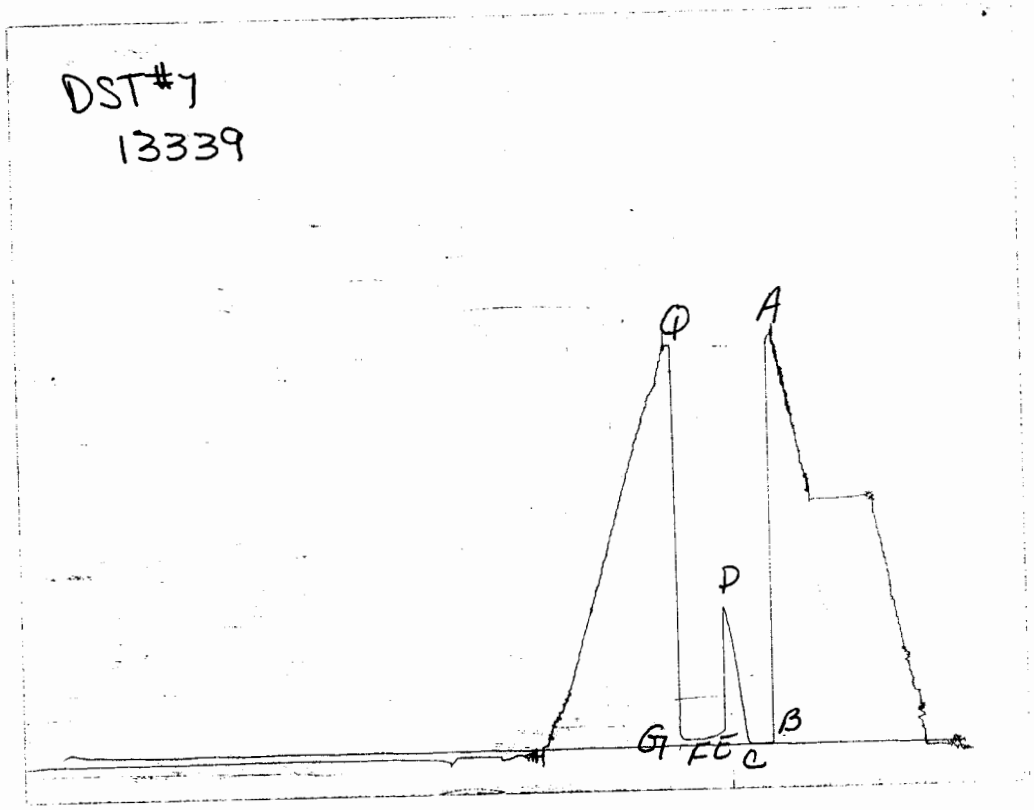


CHART PAGE



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TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601 Nº 11956

Test Ticket

Well Name & No. Jack Dunne #1-35 Test No. 1 Date 7-16-99

Company Younger Energy Corporation Zone Tested Pawnee

Address 453 S Webb Rd Ste 100 Wichita, KS 67207 Elevation 2699 KB 2694 GL

Co. Rep / Geo. John Christensen Cont. Murfin #8 Est. Ft. of Pay ___ Por. ___ %

Location: Sec. 35 Twp. 18S Rge. 28W Co. Lane State KS

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

Interval Tested 4386 - 4406 Initial Str Wt./Lbs. 60,000 Unseated Str Wt./Lbs. 60,000

Anchor Length 20' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 65,000

Top Packer Depth 4381 Tool Weight 1,800

Bottom Packer Depth 4386 Hole Size — 7 7/8" ___ Rubber Size — 6 3/4" ___

Total Depth 4406 Wt. Pipe Run — Drill Collar Run 520' (9)

Mud Wt. 9.0 LCM ___ Vis. 47 WL 9.6 Drill Pipe Size 4½" XH Ft. Run 3873' (62.1

Blow Description IF: Weak surface blow throughout.

FF: No return blow.

Recovery — Total Feet ___ GIP — Ft. in DC 1' Ft. in DP —

Rec. ___	Feet Of ___	%gas	%oil	%water	%mud
Rec. 1'	Feet Of Drlg Mud	%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 119° °F Gravity ___ °API D@ ___ °F Corrected Gravity ___ °API

RW ___ @ ___ °F Chlorides ___ ppm Recovery Chlorides 3,000 ppm System

	AK-1	Alpine					
(A) Initial Hydrostatic Mud	2123	2162	PSI	Recorder No.	3024	T-On Location	1745
(B) First Initial Flow Pressure	10	13	PSI	(depth)	4388	T-Started	1815
(C) First Final Flow Pressure	10	18	PSI	Recorder No.	13339	T-Open	2031
(D) Initial Shut-In Pressure	~~2069~~	838	PSI	(depth)	4401	T-Pulled	2242
(E) Second Initial Flow Pressure	20	15	PSI	Recorder No.	—	T-Out	2345
(F) Second Final Flow Pressure	20	16	PSI	(depth)	—	T-Off Location	0030
(G) Final Shut-in Pressure	36	154	PSI	Initial Opening	5	Test	700
(Q) Final Hydrostatic Mud	2103	2115	PSI	Initial Shut-in	30	Jars	
				Final Flow	20	Safety Joint	X 50
				Final Shut-in	15	Straddle	
						Circ. Sub	X N/C
						Sampler	
						Extra Packer	
						Elec. Rec.	X 150
						Mileage	
						Other	
						TOTAL PRICE $	900

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By ___

Our Representative Rod Steinbrink

TRILOBITE TESTING L.L.C.

OPERATOR : Younger Energy Corp. DATE 7-17-99
WELL NAME: Jack Dunne #1-35 KB 2699.00 ft TICKET NO: 11957 DST #8
LOCATION : 35-18S-28W Lane KS. GR 26940.00 ft FORMATION: Mississippian
INTERVAL : 4522.00 To 4541.00 ft TD 4541.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4
PF 5	Rec.	13339	13339	3024		
SI 30	Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0
SF 45	Clock(hrs)	12 HR	12	ALP		
FS 120	Depth(ft)	4536.0	4536.0	4525.0	0.0	0.0

TIME DATA----------
PF Fr. 0002 to 0007 hr
IS Fr. 0007 to 0037 hr
SF Fr. 0037 to 0122 hr
FS Fr. 0122 to 0322 hr

	Field	1	2	3	4
A. Init Hydro	2263.0	2265.0	2268.0	0.0	0.0
B. First Flow	52.0	74.0	16.0	0.0	0.0
B1. Final Flow	52.0	59.0	35.0	0.0	0.0
C. In Shut-in	1200.0	1220.0	1257.0	0.0	0.0
D. Init Flow	72.0	77.0	39.0	0.0	0.0
E. Final Flow	114.0	97.0	146.0	0.0	0.0
F. Fl Shut-in	1170.0	1171.0	1208.0	0.0	0.0
G. Final Hydro	2223.0	2237.0	2155.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 2203 hr
T ON BOTM 2400 hr
T OPEN 0002 hr
T PULLED 0322 hr
T OUT 0645 hr

RECOVERY
Tot Fluid 315.00 ft of 315.00 ft in DC and 0.00 ft in DP
315.00 ft of Sulfer Water with trace of oil at top
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 .30 @ 80 deg =
SALINITY 20000.00 P.P.M. A.P.I. Gravity 0.00

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

Tool Wt.	1800.00 lbs
Wt Set On Packer	30000.00 lbs
Wt Pulled Loose	70000.00 lbs
Initial Str Wt	65000.00 lbs
Unseated Str Wt	65000.00 lbs
Bot Choke	0.75 in
Hole Size	8.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	520.00 ft
D.P. Length	3997.00 ft

BLOW DESCRIPTION
Initial Flow:
Weak Surface blow built to 1"
Final Flow:
Weak to fair blow slowly built to 9"
Final Shut-in:
No return blow

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

Mud Type	Chemical
Weight	9.20 lb/cf
Vis.	51.00 S/L
W.L.	10.40 in3
F.C.	0.00 in
Mud Drop	N
Amt. of fill	0.00 ft
Btm. H. Temp.	134.00 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.	John Christensen
Contr.	Murfin
Rig #	8
Unit #	
Pump T.	

SAMPLES:
SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

LL NAME: Jack Dunne #1-35

CATION : 35-18S-28W Lane KS.

CKET No. 11957 D.S.T. No. 8 DATE 7-17-99

TAL TOOL TO BOTTOM OF TOP PACKERS 22

TERVAL TOOL 19

TTOM PACKERS AND ANCHOR .....

TAL TOOL 41

ILL COLLAR ANCHOR IN INTERVAL .....

C. ANCHOR STND.Stands Single Total

P. ANCHOR STND.Stands Single Total

TAL ASSEMBLY 41

C. ABOVE TOOLS.Stands9 Single Total 520

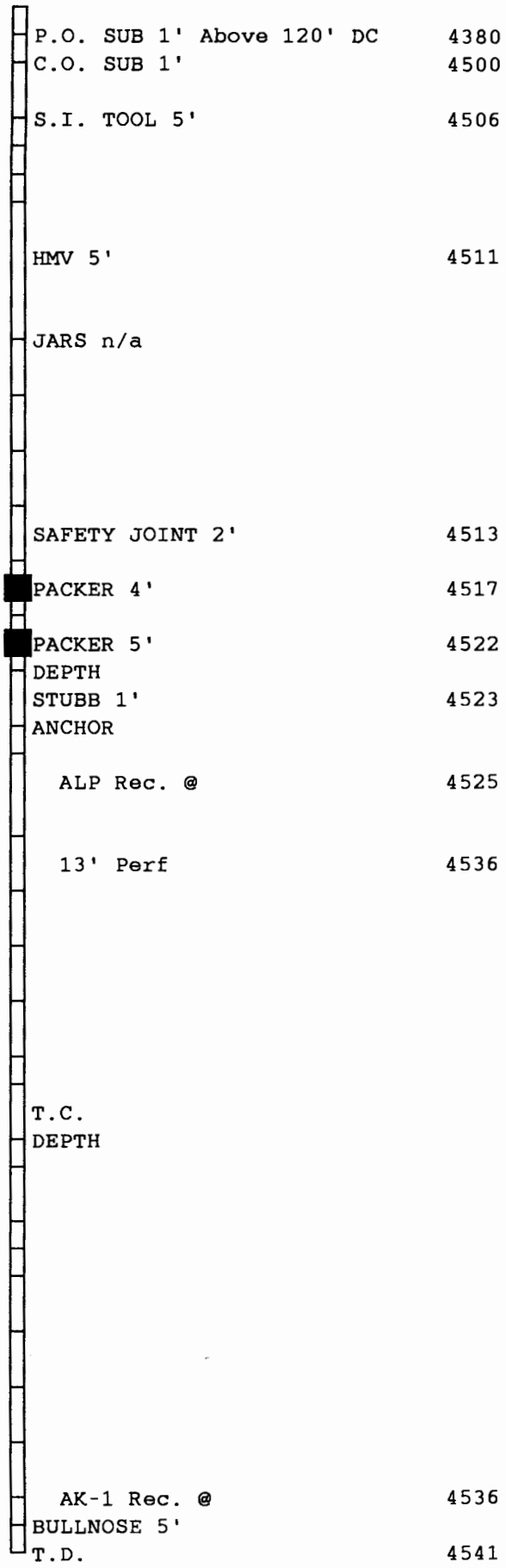
P. ABOVE TOOLS.Stands64 Single 1 Total 3997

TAL DRILL COLLARS DRILL PIPE & TOOLS .. 4558

TAL DEPTH 4541

TAL DRILL PIPE ABOVE K.B. 17

EMARKS:



TEST HISTORY

11957 DST #8 Jack Dunne #1-35 Younger Energy Corp.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2268.27
B:	0.00	16.15
C:	6.42	35.59
D:	29.92	1257.87
E:	0.00	39.12
F:	46.42	146.58
G:	119.42	1208.67
Q:	0.00	2155.56

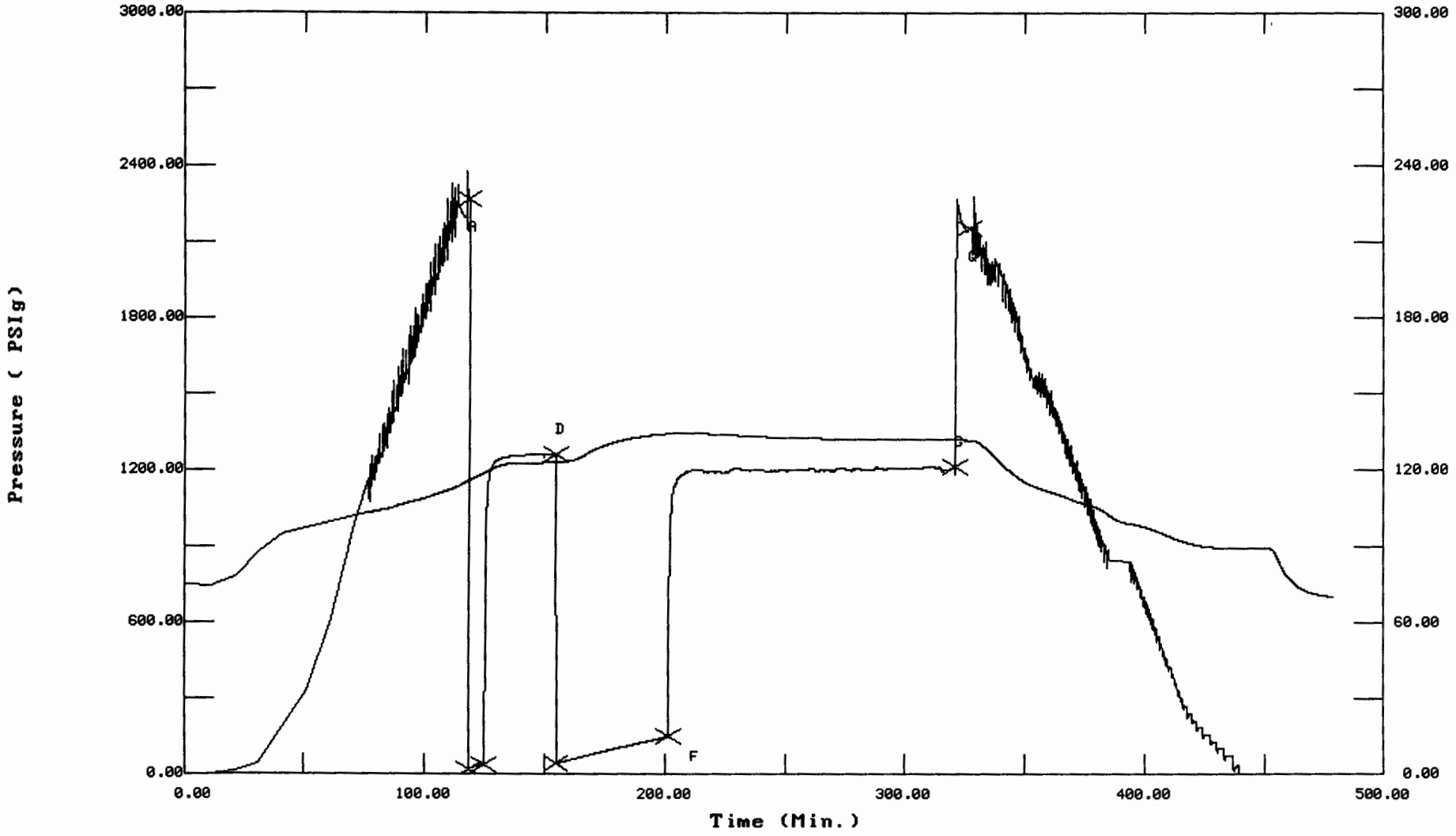
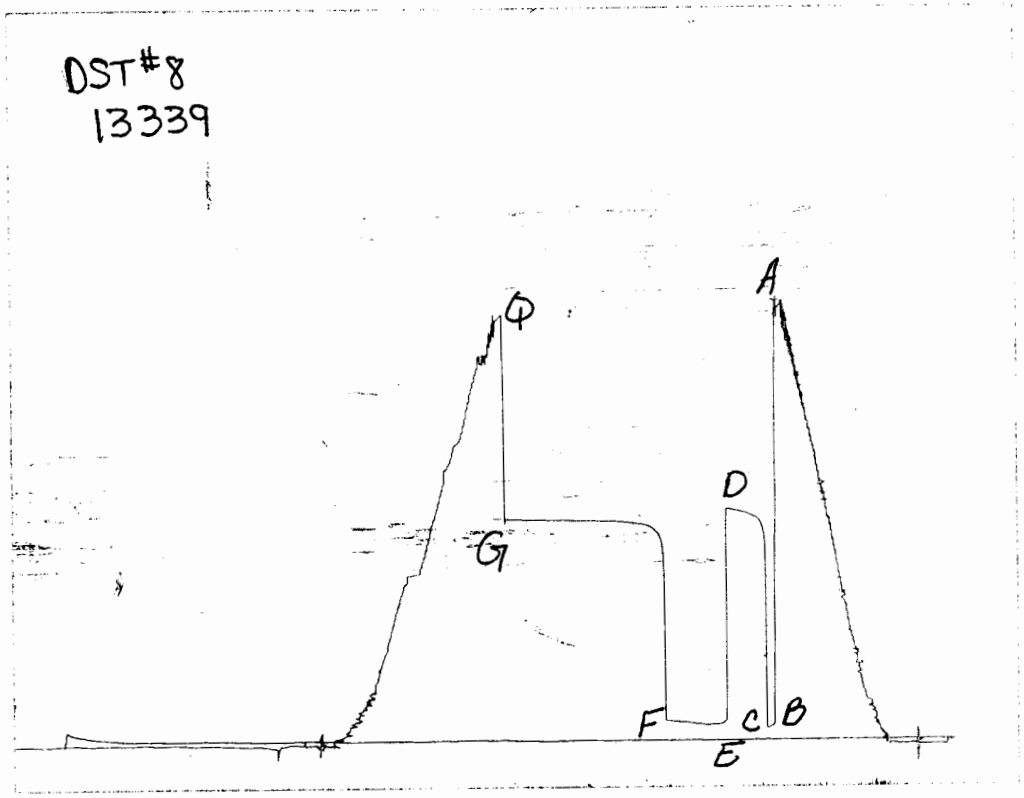


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601 № 11957

Test Ticket

Well Name & No. Jack Dunne #1-35 Test No. 8 Date 7-17-99

Company Younger Energy Corporation Zone Tested Mississippian

Address 453 S Webb Rd Ste 100 Wichita, KS. 67207 Elevation 2699 KB 2694 GL

Co. Rep / Geo. John Christensen Cont. Murfin #8 Est. Ft. of Pay ___ Por. ___ %

Location: Sec. 35 Twp. 18 S Rge. 28 W Co. Lane State KS.

No. of Copies 4 Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N) ___

Interval Tested 4522 - 4541 Initial Str Wt./Lbs. 65,000 Unseated Str Wt./Lbs. 65,000

Anchor Length 19' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 70,000

Top Packer Depth 4517 Tool Weight 1,800

Bottom Packer Depth 4522 Hole Size — 7 7/8" Rubber Size — 6 3/4"

Total Depth 4541 Wt. Pipe Run — Drill Collar Run 520' (9)

Mud Wt. 9.2 LCM ___ Vis. 51 WL 10.4 Drill Pipe Size 4½" XH Ft. Run 3997' (64

Blow Description IF: Weak surface blow built to 1"

FF: Weak to fair return slowly built to 9"

FSI: No return blow.

Recovery — Total Feet 315' GIP — Ft. in DC 315' Ft. in DP —

Rec. ___	Feet Of ___	%gas	%oil	%water	%mud
Rec. 315'	Feet Of Sulfer Wtr	%gas	%oil	%water	%mud
Rec. ___	Feet Of w/ Trc. Oil on top	%gas	%oil	%water	%mud
Rec. ___	Feet Of ___	%gas	%oil	%water	%mud
Rec. ___	Feet Of ___	%gas	%oil	%water	%mud

BHT 134° °F Gravity ___ °API D@ ___ °F Corrected Gravity ___ °API

RW .30 @ 80° °F Chlorides 20,000 ppm Recovery Chlorides 2,500 ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud	2263	2268	PSI	Recorder No.	3024	T-On Location 2100
(B) First Initial Flow Pressure	52	16	PSI	(depth)	4525	T-Started 2203
(C) First Final Flow Pressure	52	35	PSI	Recorder No.	13339	T-Open 0002
(D) Initial Shut-In Pressure	1200	1257	PSI	(depth)	4536	T-Pulled 0322
(E) Second Initial Flow Pressure	72	39	PSI	Recorder No.	—	T-Out 0545
(F) Second Final Flow Pressure	114	146	PSI	(depth)	—	T-Off Location 0700
(G) Final Shut-in Pressure	1170	1208	PSI	Initial Opening	5	Test 700
(Q) Final Hydrostatic Mud	2223	2155	PSI	Initial Shut-in	30	Jars ___
				Final Flow	45	Safety Joint X 50
				Final Shut-in	120	Straddle ___
						Circ. Sub X N/C
						Sampler ___
						Extra Packer ___
						Elec. Rec. X 150
						Mileage ___
						Other ___
						TOTAL PRICE $ 900

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By J W Christensen

Our Representative Rod Steinbrink