15-007-22628

TRILOBITE TESTING L.L.C.

35-34s-12w

OPERATOR : Lotus Oper Co.L.L.C
WELL NAME: #1 Burgess
LOCATION : 35-34s-12w Barber co KS
INTERVAL : 4477.00 To 4540.00 ft

DATE 09/24/200
KB 1423.00 ft
GR 1415.00 ft
TD 4540.00 ft

TICKET NO: 13231 DST #1
FORMATION: Swope/Hertha
TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4
PF 45	Rec.	13805	13805	2350		
SI 45	Range(Psi)	4250.0	4250.0	4995.0	0.0	0.0
SF 60	Clock(hrs)	12hr.	12hr.	elec.		
FS 60	Depth(ft)	4537.0	4537.0	4483.0	0.0	0.0

TIME DATA----------
PF Fr. 0910 to 0955 hr
IS Fr. 0955 to 1040 hr
SF Fr. 1040 to 1140 hr
FS Fr. 1140 to 1240 hr

	Field	1	2	3	4
A. Init Hydro	2261.0	2264.0	2211.0	0.0	0.0
B. First Flow	97.0	95.0	19.0	0.0	0.0
B1. Final Flow	97.0	93.0	36.0	0.0	0.0
C. In Shut-in	1673.0	1683.0	1655.0	0.0	0.0
D. Init Flow	119.0	108.0	34.0	0.0	0.0
E. Final Flow	119.0	114.0	62.0	0.0	0.0
F. Fl Shut-in	1683.0	1676.0	1645.0	0.0	0.0
G. Final Hydro	2282.0	2241.0	2207.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 0644 hr
T ON BOTM 0907 hr
T OPEN 0910 hr
T PULLED 1240 hr
T OUT 1415 hr

RECOVERY
Tot Fluid 68.00 ft of 0.00 ft in DC and 68.00 ft in DP
1100.00 ft of Gas in pipe
68.00 ft of Slightly gas cut watery mud
0.00 ft of 5% gas 35% water 60% mud
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
SALINITY 18000.00 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	0.00 lbs
Initial Str Wt	52000.00 lbs
Unseated Str Wt	54000.00 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	4514.00 ft

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

Mud Type	Chemical
Weight	9.40 lb/c
Vis.	46.00 S/L
W.L.	10.20 in3
F.C.	0.32 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 n
Cushion Type	none
Reversed Out	N
Tool Chased	N
Tester	Darren L.Amerine
Co. Rep.	Tim Hellman
Contr.	Duke
Rig #	2
Unit #	none
Pump T.	none

BLOW DESCRIPTION
Initial Flow:
Fair blow built to bottom of bucket
in 14 minutes.
Initial Shut-In:
Bled down for 4 minutes. No blow back

Final Flow:
Fair blow built to bottom of bucket
in 42 minutes.
Final Shut-In:
Bled down for 2 minuts. No blow back.

SAMPLES:
SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: #1 Burgess

LOCATION : 35-34s-12w Barber co KS

TICKET No. 13231 D.S.T. No. 1 DATE 09/24/200

TOTAL TOOL TO BOTTOM OF TOP PACKERS 22

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR 34

TOTAL TOOL 56

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 29

TOTAL ASSEMBLY 85

D.C. ABOVE TOOLS.Stands Single Total

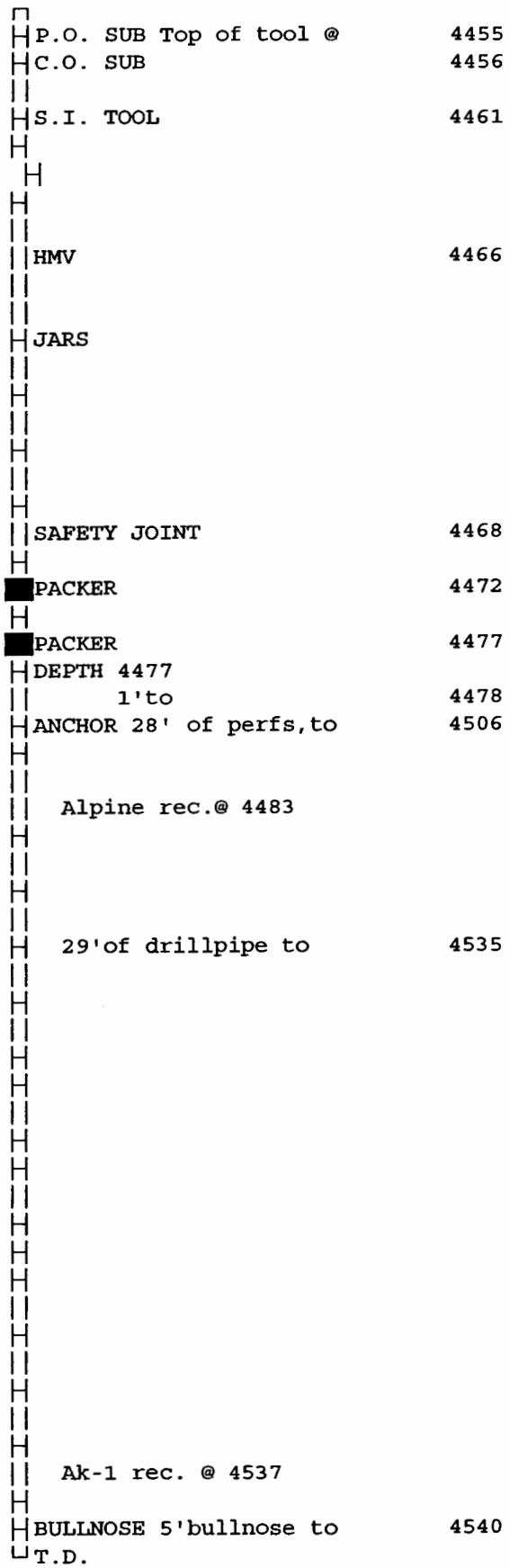
D.P. ABOVE TOOLS.Stands72 Single Total 4485

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4570

TOTAL DEPTH 4540

TOTAL DRILL PIPE ABOVE K.B. 30

REMARKS:



TEST HISTORY

Tk#13231 DST#1 #1 Burgess Lotus Operating Co., LLC

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2210.90
B:	0.00	19.38
C:	44.92	36.08
D:	45.42	1654.88
E:	0.00	34.15
F:	60.25	61.67
G:	64.25	1644.81
Q:	0.00	2206.96

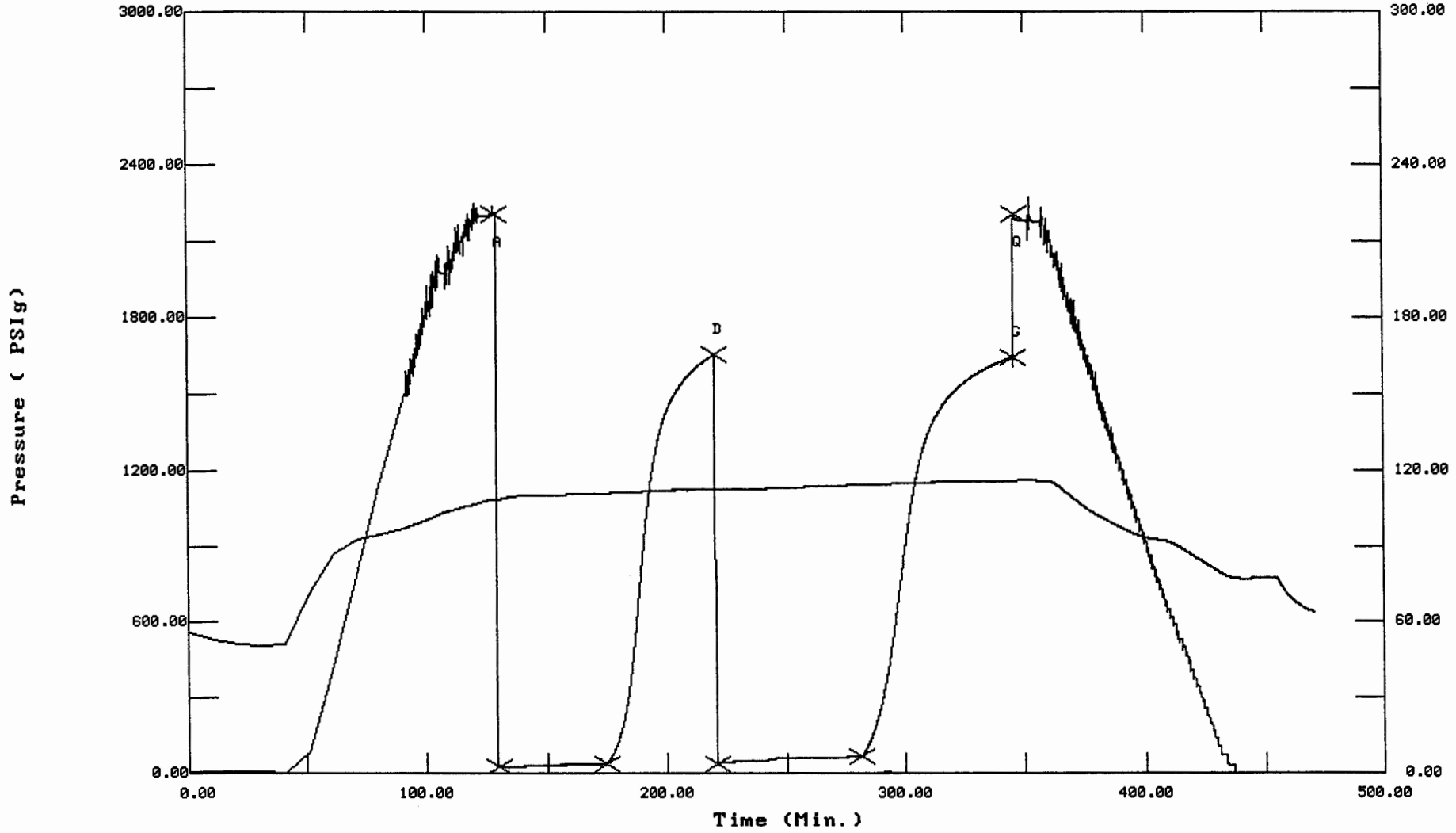
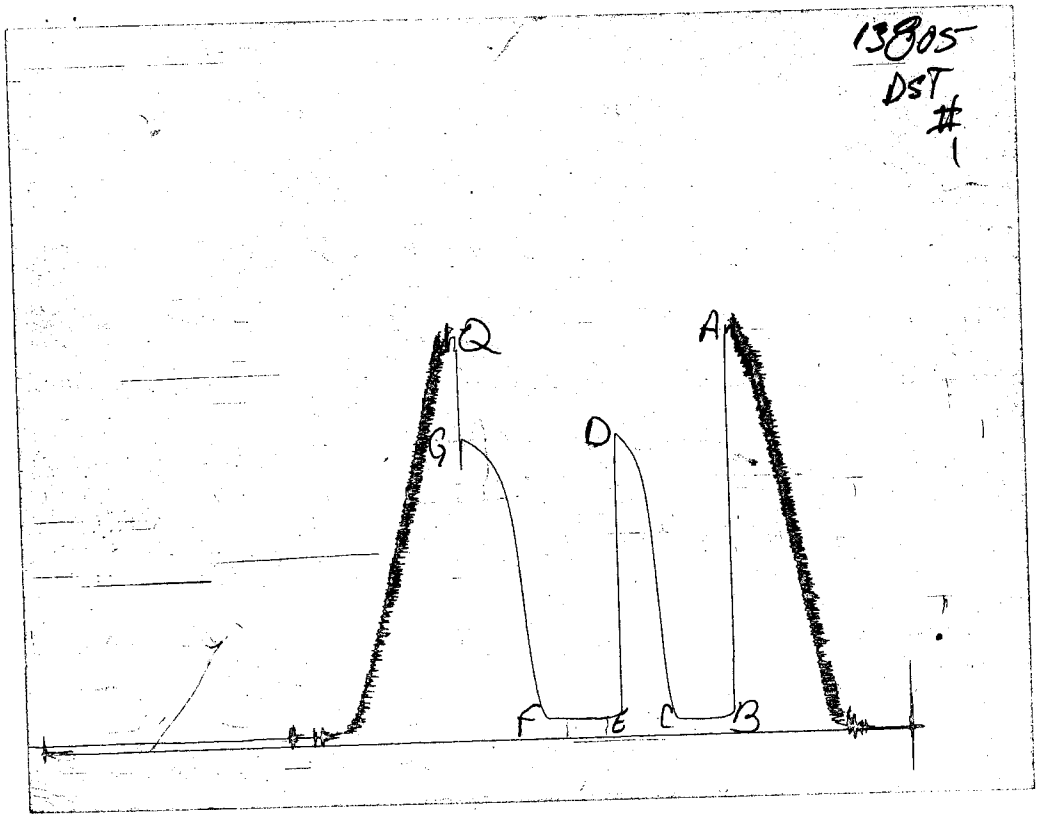


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

№ 13231

Test Ticket

Well Name & No. #1 Burgess Test No. #1 Date 09/24/00

Company Lotus Operating Co, LLC Zone Tested Hertha / Swope

Address 100 S Main Suite 520 Wichita, Ks 67202 Elevation 1423 KB 1415 GL

Co. Rep / Geo. Tim Hellman Cont. Duke #2 Est. Ft. of Pay ___ Por. ___ %

Location: Sec. 35 Twp. 34S Rge. 12W Co. Barber State KS

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

Interval Tested 4477' - 4540' Initial Str Wt./Lbs. 52,000 Unseated Str Wt./Lbs. 52,000

Anchor Length 63' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 60,000

Top Packer Depth 4472' Tool Weight 2100

Bottom Packer Depth 4477' Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓

Total Depth 4540' Wt. Pipe Run N/A Drill Collar Run N/A

Mud Wt. 9.1 LCM Trace Vis. 46 WL 10.2 Drill Pipe Size 4½ XH Ft. Run 4514'

Blow Description IF: Fair blow built to b.o.b in 14 mins.
ISI: Bled down for 4 mins No blow back.
FF: Fair blow built to b.o.b in 42 mins.
FSI: Bled down for 2 mins.

Recovery — Total Feet 68' GIP 1100 Ft. in DC N/A Ft. in DP 68'

Rec. 68	Feet Of SGCWM	5 %gas	%oil	35 %water	60 %mud
Rec. 1100	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 120° °F Gravity ___ °API D@ ___ °F Corrected Gravity ___ °API

RW .8 @ 55 °F Chlorides 18,000 ppm Recovery Chlorides 3,300 ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud	2261	2211	PSI	Recorder No. 2350	T-On Location 0545 :59
(B) First Initial Flow Pressure	97	19	PSI	(depth) 4483'	T-Started 0644
(C) First Final Flow Pressure	97	36	PSI	Recorder No. 13805	T-Open 0910 7:30
(D) Initial Shut-In Pressure	1673	1655	PSI	(depth) 4537'	T-Pulled 1240
(E) Second Initial Flow Pressure	119	34	PSI	Recorder No.	T-Out 1415
(F) Second Final Flow Pressure	119	62	PSI	(depth)	T-Off Location 1530
(G) Final Shut-in Pressure	1683	1645	PSI	Initial Opening 45	Test 750 ✓
(Q) Final Hydrostatic Mud	2282	2207	PSI	Initial Shut-in 45	Jars
				Final Flow 60	Safety Joint 50 ✓
				Final Shut-in 60	Straddle
					Circ. Sub
					Sampler
					Extra Packer
					Elec. Rec. 150 ✓
					Mileage 53 mi. 53
					Other
					TOTAL PRICE $ 1003

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 Tim Hellman

Our Representative Darren L Rineer

TRILOBITE TESTING L.L.C.

OPERATOR : Lotus Oper Co.L.L.C
WELL NAME: #1-Burgess
LOCATION : 35-34s-12w Barber co KS
INTERVAL : 4646.00 To 4672.00 ft

DATE 09/25/200
KB 1423.00 ft
GR 1415.00 ft
TD 4672.00 ft
TICKET NO: 13232 DST #2
FORMATION: Pawnee
TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins			Field	1	2	3	4
PF	60	Rec.	13805	13805	2350		
SI	60	Range(Psi)	4250.0	4250.0	4995.0	0.0	0.0
SF	60	Clock(hrs)	12hr.	12hr.	elec.		
FS	90	Depth(ft)	4669.0	4669.0	4652.0	0.0	0.0

TIME DATA----------
PF Fr. 0945 to 1045 hr
IS Fr. 1045 to 1145 hr
SF Fr. 1145 to 1245 hr
FS Fr. 1245 to 1415 hr

	Field	1	2	3	4
A. Init Hydro	2336.0	2331.0	2307.0	0.0	0.0
B. First Flow	43.0	36.0	16.0	0.0	0.0
B1. Final Flow	22.0	24.0	9.0	0.0	0.0
C. In Shut-in	1865.0	1858.0	1714.0	0.0	0.0
D. Init Flow	75.0	74.0	15.0	0.0	0.0
E. Final Flow	65.0	57.0	10.0	0.0	0.0
F. Fl Shut-in	1876.0	1867.0	1876.0	0.0	0.0
G. Final Hydro	2336.0	2297.0	2305.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 0736 hr
T ON BOTM 0942 hr
T OPEN 0945 hr
T PULLED 1415 hr
T OUT 1545 hr

RECOVERY
Tot Fluid 15.00 ft of 0.00 ft in DC and 15.00 ft in DP
4621.00 ft of Gas in pipe
15.00 ft of Drilling mud
0.00 ft of 100% 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	58000.00 lbs
Initial Str Wt	52000.00 lbs
Unseated Str Wt	53000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	0.00 in
D. Pipe ID	3.80 in
D.C. Length	0.00 ft
D.P. Length	4636.00 ft

BLOW DESCRIPTION
Initial Flow:
Fair blow bottom of bucket in 3 1/2 minutes.
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 2 minutes Gauge gas.
Final Shut-In:
Bled down for 10 minutes. No blow back.

SAMPLES: Caraway Analytical 728 N.Roosevelt
SENT TO:Liberal,Ks.67901

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

Mud Type	Chemical
Weight	9.40 lb/c
Vis.	48.00 S/L
W.L.	10.20 in3
F.C.	0.32 in
Mud Drop N	
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 n
Cushion Type	none
Reversed Out N	
Tool Chased N	
Tester	Darren L.Amerine
Co. Rep.	Tim Hellman
Contr.	Duke
Rig #	2
Unit #	none
Pump T.	none

Test Successful: Y

GAS RECOVERY

COMPANY: Lotus Oper Co.L.L.C DATE: 09/25/200
WELL NAME: #1-Burgess KB Elev: 1423.00 ft TICKET #13232 DST #2
WELL LOCATION: 35-34s-12w Barber co KS GR Elev: 1415.00 ft FORMATION: Pawnee
INTERVAL Fr.: 4646.00 To 4672.00 T.D.: 4672.00 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)
12	0.12	0	28	2790.0
22	0.25	0	27	8725.0
32	0.25	0	27	8725.0
42	0.25	0	28	8890.0
52	0.25	0	30	9200.0
60	0.25	0	31	9350.0

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: #1-Burgess

LOCATION : 35-34s-12w Barber co KS

TICKET No. 13232 D.S.T. No. 2 DATE 09/25/200

TOTAL TOOL TO BOTTOM OF TOP PACKERS 22

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR 26

TOTAL TOOL 48

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY .....

D.C. ABOVE TOOLS.Stands Single Total

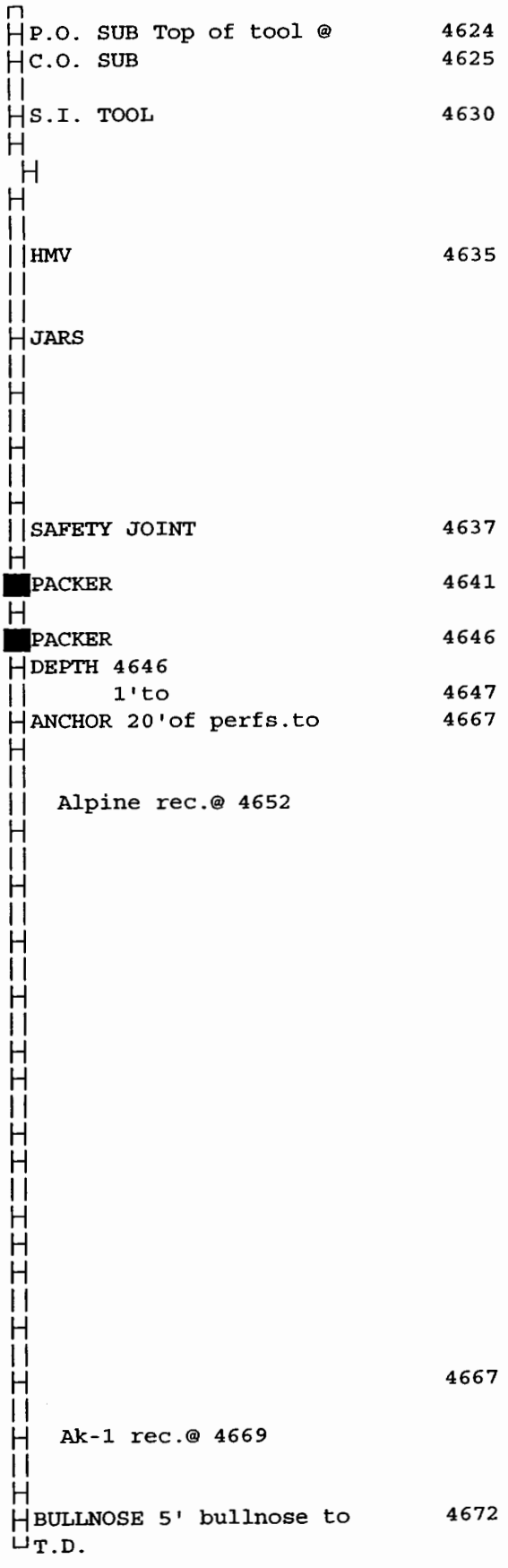
D.P. ABOVE TOOLS.Stands75 Single 1 Total 4636

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4684

TOTAL DEPTH 4672

TOTAL DRILL PIPE ABOVE K.B. 12

REMARKS:



TEST HISTORY

Tk#13232 DST#2 #1-Burgess Lotus Operating Co., LLC

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2307.00
B:	0.00	15.52
C:	61.08	9.31
D:	58.25	1714.05
E:	0.00	14.60
F:	57.58	9.98
G:	93.83	1875.75
Q:	0.00	2305.24

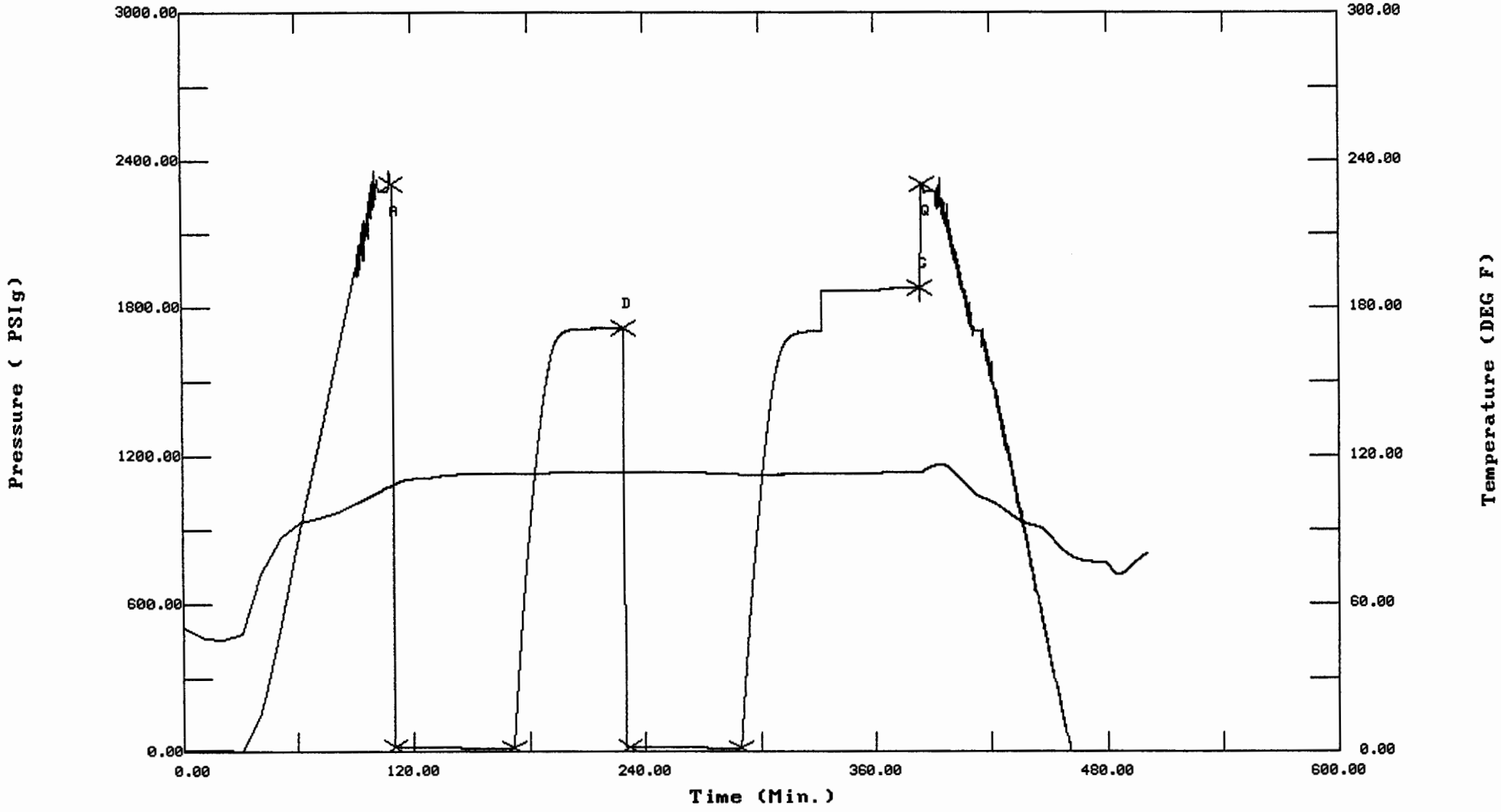
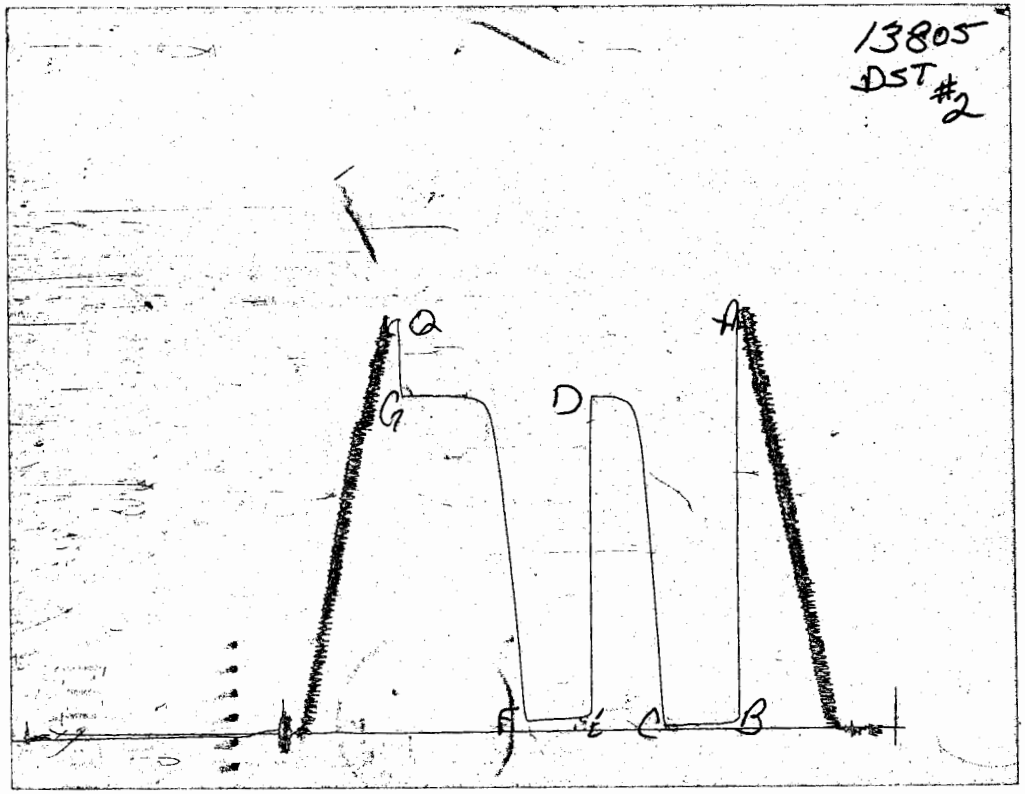


CHART PAGE



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



TRILOBITE TESTING L.L.C.

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

GAS VOLUME REPORT

Lotus Operating Co. LLC (OPERATOR) | #1-Burgess (WELL NAME AND NO.) | Pawnee | #1 (DST NO.)

GTS 2 mins. on FF

Min.	Ins. of Water	Orifice Size	CF/D	Min.	Ins. of Water PSIG	Orifice Size	CF/D
12	28"	@ 1/8"	2,790				
22	27"	@ 1/4	8,725				
32	27"	@ 1/4	8,725				
42	28"	@ 1/4	8890				
52	30"	@ 1/4	9,200				
60	31"	@ 1/4	9,350				

Remarks:

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

№ 13232

Test Ticket

Well Name & No. #1-Burgess Test No. #2 Date 09/25/00

Company Lotus Operating, Co. LLC Zone Tested (Pawnee)

Address 100 S. Main Suite 520 Wichita, Ks 67202 Elevation 1623 KB 1615 GL

Co. Rep / Geo. Tim Hellman Cont. Duke #2 Est. Ft. of Pay ___ Por. ___ %

Location: Sec. 35 Twp. 34S Rge. 12W Co. Barber State KS

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

Interval Tested 4646' - 4672' Initial Str Wt./Lbs. 52,000 Unseated Str Wt./Lbs. 52000

Anchor Length 26' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 53,000

Top Packer Depth 4641' Tool Weight 2100

Bottom Packer Depth 4646' Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓

Total Depth 4672' Wt. Pipe Run N/A Drill Collar Run N/A

Mud Wt. 9.4 LCM Trace Vis. 48 WL 10.2 Drill Pipe Size 4½ XH Ft. Run 4636'

Blow Description IF: Fair blow B.O.B in 3½ mins.
ISI: Bled down for 5 mins. No blow back
FF: Strong blow B.O.B in 15 sec. GTS in 2 mins. Gauge Gas.
FSI: Bled down for 10 mins. No blow back

Recovery — Total Feet 15' GIP 462' Ft. in DC ___ Ft. in DP 15'

Rec. 15	Feet Of Drilling Mud	%gas	%oil	%water	100	%mud
Rec. 462'	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 118° °F Gravity ___ °API D@ ___ °F Corrected Gravity ___ °API

RW ___ @ ___ °F Chlorides ___ ppm Recovery Chlorides 3600 ppm System

	AK-1	Alpine				
(A) Initital Hydrostatic Mud	2336	2307	PSI	Recorder No.	2350	T-On Location 0720 :16
(B) First Initial Flow Pressure	43	16	PSI	(depth)	4652'	T-Started 0736
(C) First Final Flow Pressure	22	9	PSI	Recorder No.	13805	T-Open 0945 8:09
(D) Initial Shut-In Pressure	1865	1714	PSI	(depth)	4669'	T-Pulled 1415
(E) Second Initial Flow Pressure	75	15	PSI	Recorder No.	___	T-Out 1545
(F) Second Final Flow Pressure	65	10	PSI	(depth)	___	T-Off Location 1700
(G) Final Shut-in Pressure	1876	1876	PSI	Initial Opening	60	Test ✓ 750
(Q) Final Hydrostatic Mud	2336	2305	PSI	Initial Shut-in	60	Jars ___
				Final Flow	60	Safety Joint ✓ 50
				Final Shut-in	90	Straddle ___
						Circ. Sub ___
						Sampler ___
						Extra Packer ___
						Elec. Rec. ✓ 150
						Mileage 55 mi 53
						Other ___
						TOTAL PRICE $ 1003

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 Tim Hellman

Our Representative Darren L. Gorline

TRILOBITE TESTING L.L.C.

OPERATOR : Lotus Oper. Co., LLC — DATE 09/26/200
WELL NAME: #1-Burgess — KB 1423.00 ft — TICKET NO: 13233 DST #3
LOCATION : 35-34s-12w Barber co KS — GR 1415.00 ft — FORMATION: Cherokee sd.
INTERVAL : 4714.00 To 4731.00 ft — TD 4731.00 ft — TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4
PF 30	Rec.	13805	13805	2350		
SI 45	Range(Psi)	4250.0	4250.0	4995.0	0.0	0.0
SF 30	Clock(hrs)	12hr.	12hr.	elec.		
FS 60	Depth(ft)	4728.0	4728.0	4720.0	0.0	0.0

TIME DATA----------
PF Fr. 0410 to 0440 hr
IS Fr. 0440 to 0525 hr
SF Fr. 0525 to 0555 hr
FS Fr. 0555 to 0655 hr

	Field	1	2	3	4
A. Init Hydro	2357.0	2351.0	2345.0	0.0	0.0
B. First Flow	54.0	81.0	16.0	0.0	0.0
B1. Final Flow	43.0	56.0	13.0	0.0	0.0
C. In Shut-in	65.0	66.0	34.0	0.0	0.0
D. Init Flow	43.0	58.0	19.0	0.0	0.0
E. Final Flow	43.0	58.0	19.0	0.0	0.0
F. Fl Shut-in	65.0	53.0	28.0	0.0	0.0
G. Final Hydro	2389.0	2373.0	2138.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 0159 hr
T ON BOTM 0408 hr
T OPEN 0410 hr
T PULLED 0655 hr
T OUT 0830 hr

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 100% 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.	2100.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	68000.00 lbs
Initial Str Wt	54000.00 lbs
Unseated Str Wt	54000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	0.00 in
D. Pipe ID	3.80 in
D.C. Length	0.00 ft
D.P. Length	4698.00 ft

BLOW DESCRIPTION
Initial Flow:
Weak surface built to 1/4" in H2O bucket.
Initial Shut-In:
Died in 4 minutes.

Final Flow:
Dead blow.

Final Shut-In:
No blow back.

SAMPLES:
SENT TO:

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

Mud Type	Chemical
Weight	9.30 lb/c
Vis.	48.00 S/L
W.L.	10.20 in3
F.C.	0.32 in
Mud Drop N	
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 n
Cushion Type	none
Reversed Out N	
Tool Chased N	
Tester	Darren L.Amerine
Co. Rep.	Tim Hellman
Contr.	Duke
Rig #	2
Unit #	none
Pump T.	none

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: #1-Burgess

LOCATION : 35-34s-12w Barber co KS

TICKET No. 13233 D.S.T. No. 3 DATE 09/26/200

TOTAL TOOL TO BOTTOM OF TOP PACKERS 22

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR 17

TOTAL TOOL 39

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY .....

D.C. ABOVE TOOLS.Stands Single Total

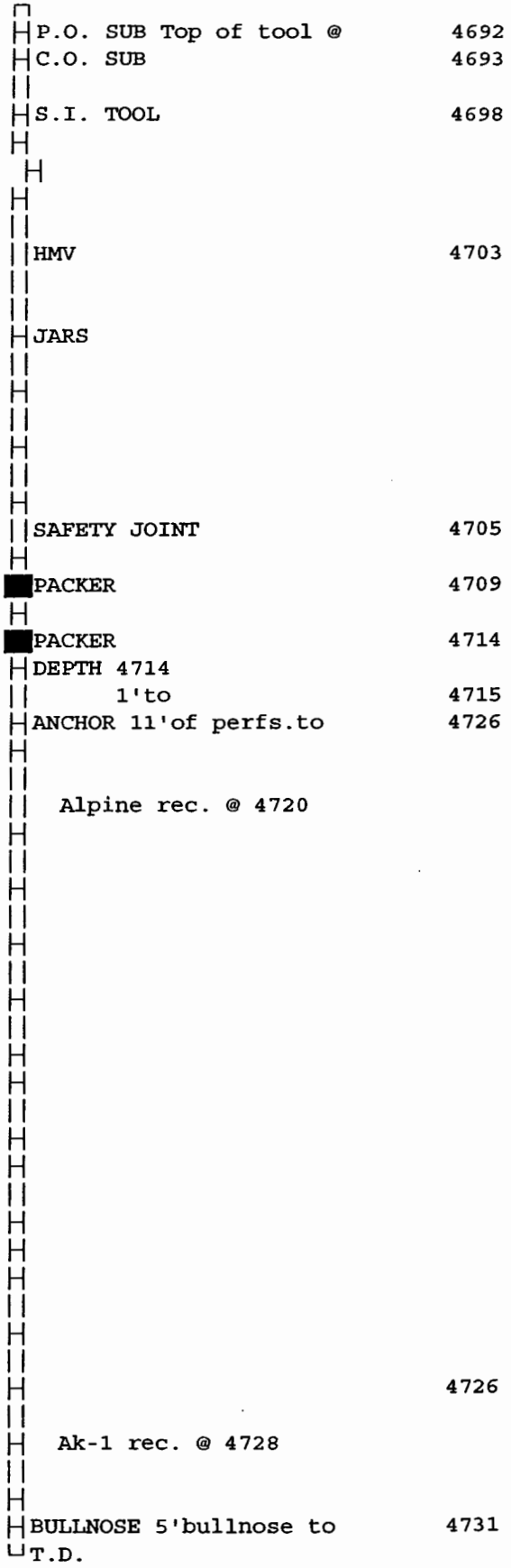
D.P. ABOVE TOOLS.Stands75 Single 1 Total 4698

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4737

TOTAL DEPTH 4731

TOTAL DRILL PIPE ABOVE K.B. 6

REMARKS:



TEST HISTORY

Tk#13233 DST#3 #1-Burgess Lotus Operating Co., LLC

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2345.02
B:	0.00	16.44
C:	31.00	13.08
D:	44.00	34.49
E:	0.00	19.30
F:	28.50	18.96
G:	59.00	28.19
Q:	0.00	2137.55

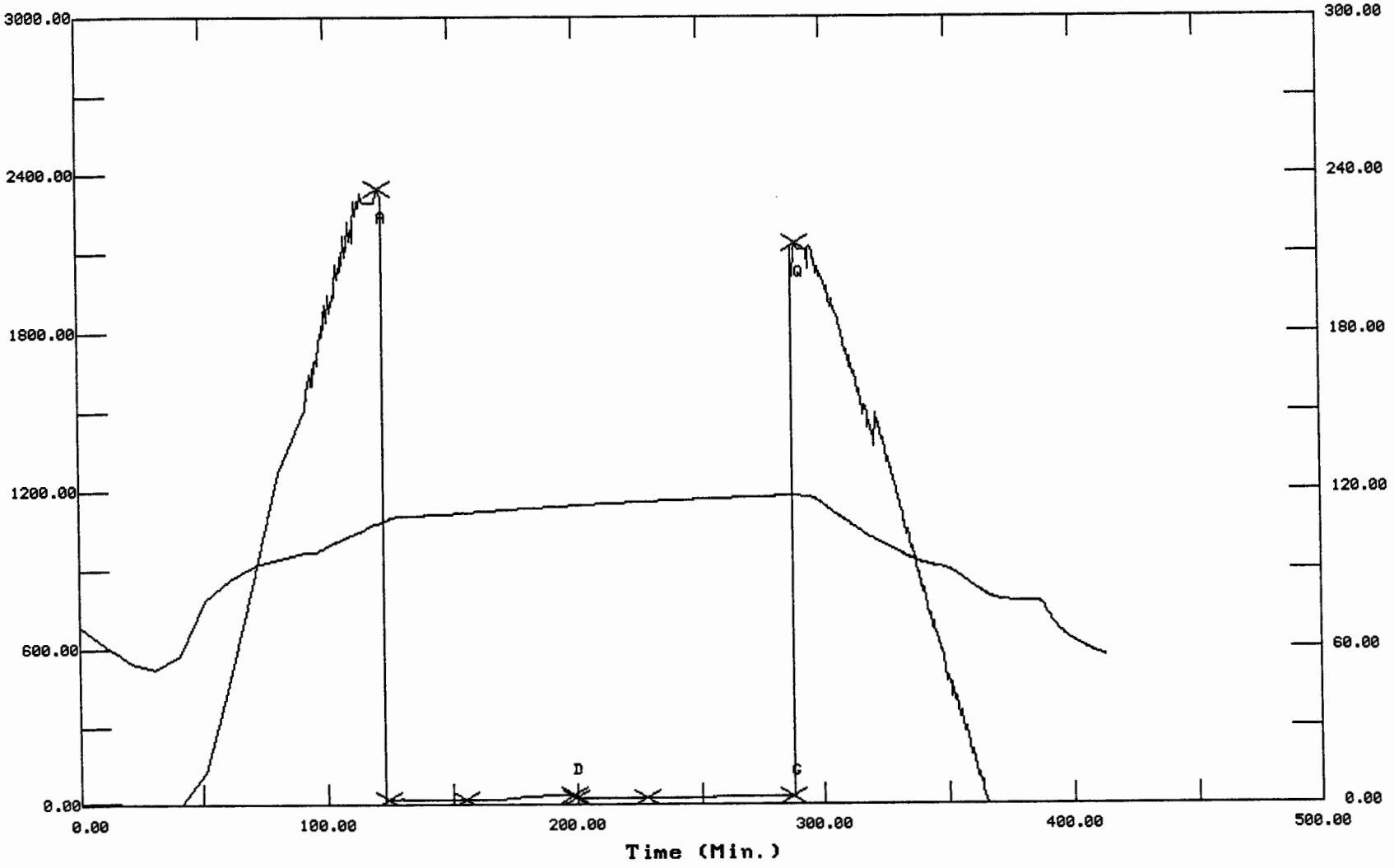
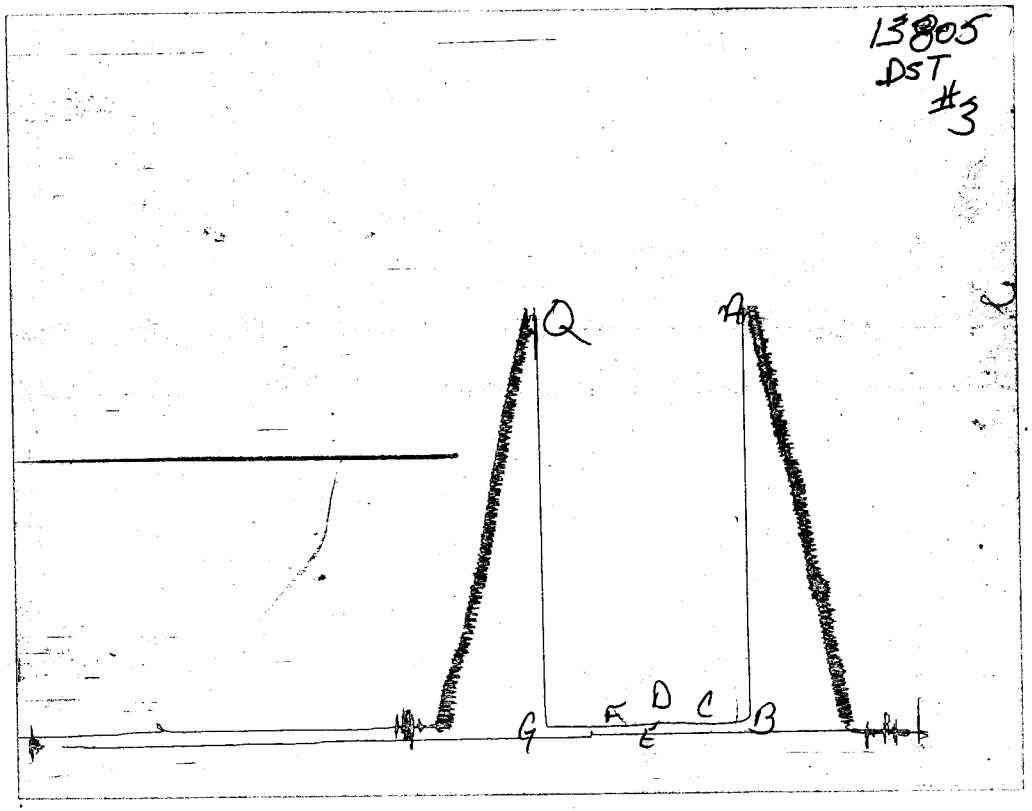


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

№ 13233

Test Ticket

Well Name & No. #1 Burgess Test No. #3 Date 09/26/00

Company Lotus Oper. Co. LLC Zone Tested Cherokee Sd.

Address 100 S main Suite 520 Wichita, Ks. 67202 Elevation 1423 KB 1415 GL

Co. Rep / Geo. Tim Hellman Cont. Duke #2 Est. Ft. of Pay ___ Por. ___ %

Location: Sec. 35 Twp. 34S Rge. 12W Co. Barber State KS

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

Interval Tested 4714 - 4731 Initial Str Wt./Lbs. 54,000 Unseated Str Wt./Lbs. 54,000

Anchor Length @ 17' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 68,000

Top Packer Depth 4709' Tool Weight 2100

Bottom Packer Depth 4714' Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓

Total Depth 4731' Wt. Pipe Run N/A Drill Collar Run N/A

Mud Wt. 9.3 LCM Trace Vis. 48 WL 10.2 Drill Pipe Size 4½ XH Ft. Run 4698'

Blow Description IF: Weak surface built to ¼" in H2O bucket

ISI: Died in 7 mins.

FF: Dead blow.

FSI: No blow back.

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

Rec. 5'	Feet Of Drilling Mud	%gas	%oil	%water	100	%mud
Rec. ___	Feet Of ___	%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 118° °F Gravity ___ °API D@ ___ °F Corrected Gravity ___ °API

RW ___ @ ___ °F Chlorides ___ ppm Recovery Chlorides 3600 ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud	2357	2345	PSI	Recorder No.	2350	T-On Location 0145
(B) First Initial Flow Pressure	54	16	PSI	(depth)	4720	T-Started 0159
(C) First Final Flow Pressure	43	13	PSI	Recorder No.	13805	T-Open 0410
(D) Initial Shut-In Pressure	65	34	PSI	(depth)	4728	T-Pulled 0655
(E) Second Initial Flow Pressure	43	19	PSI	Recorder No.		T-Out 0830
(F) Second Final Flow Pressure	43	19	PSI	(depth)		T-Off Location 0930
(G) Final Shut-in Pressure	65	28	PSI	Initial Opening	30	Test ✓ 950
(Q) Final Hydrostatic Mud	2389	2138	PSI	Initial Shut-in	45	Jars ___
				Final Flow	30	Safety Joint ✓ 50
				Final Shut-in	60	Straddle ___
						Circ. Sub ___
						Sampler ___
						Extra Packer ___
						Elec. Rec. ✓ 150
						Mileage 55 m. 53
						Other ___
						TOTAL PRICE $ 1003

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 Tim Hellman

Our Representative Darren Gonzales

TRILOBITE TESTING L.L.C.

OPERATOR : Lotus Oper. Co., LLC. DATE 09/26/200
WELL NAME: #1-Burgess KB 1423.00 ft TICKET NO: 13234 DST #4
LOCATION : 35-34s-12w Barber co KS GR 1415.00 ft FORMATION: Mississippi
INTERVAL : 4738.00 To 4790.00 ft TD 4790.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins			Field	1	2	3	4
PF	45	Rec.	13805	13805	2350		
SI	60	Range(Psi)	4250.0	4250.0	4995.0	0.0	0.0
SF	60	Clock(hrs)	12hr.	12hr.	elec.		
FS	60	Depth(ft)	4787.0	4787.0	4744.0	0.0	0.0

TIME DATA----------
PF Fr. 1905 to 1950 hr
IS Fr. 1950 to 2050 hr
SF Fr. 2050 to 2150 hr
FS Fr. 2150 to 2250 hr

	Field	1	2	3	4
A. Init Hydro	2485.0	2464.0	2431.0	0.0	0.0
B. First Flow	97.0	85.0	15.0	0.0	0.0
B1. Final Flow	75.0	73.0	23.0	0.0	0.0
C. In Shut-in	248.0	247.0	196.0	0.0	0.0
D. Init Flow	97.0	110.0	17.0	0.0	0.0
E. Final Flow	86.0	77.0	19.0	0.0	0.0
F. Fl Shut-in	237.0	239.0	185.0	0.0	0.0
G. Final Hydro	2517.0	2516.0	2273.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 1657 hr
T ON BOTM 1902 hr
T OPEN 1905 hr
T PULLED 2250 hr
T OUT 0045 hr

RECOVERY
Tot Fluid 20.00 ft of 0.00 ft in DC and 20.00 ft in DP
800.00 ft of Gas in pipe
20.00 ft of Very slightly oil cut mud
0.00 ft of 2% oil 98% 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	65000.00 lbs
Initial Str Wt	54000.00 lbs
Unseated Str Wt	54000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	0.00 in
D. Pipe ID	3.80 in
D.C. Length	0.00 ft
D.P. Length	4763.00 ft

BLOW DESCRIPTION
Initial Flow:
Fair blow bottom of bucket in 22 1/2 minutes.
Initial Shut-In:
Bled down for 5 minutes.

Final Flow:
Fair blow bottom of bucket in 8 minutes.
Final Shut-In:
Bled down for 5 minutes. No blow back

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

Mud Type	Chemical
Weight	9.40 lb/c
Vis.	47.00 S/L
W.L.	10.40 in3
F.C.	0.32 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 n
Cushion Type	none
Reversed Out N	
Tool Chased N	
Tester	Darren L.Amerine
Co. Rep.	Tim Hellman
Contr.	Duke
Rig #	2
Unit #	none
Pump T.	none

SAMPLES:
SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: #1-Burgess

LOCATION : 35-34s-12w Barber co KS

TICKET No. 13234 D.S.T. No. 4 DATE 09/26/200

TOTAL TOOL TO BOTTOM OF TOP PACKERS 22

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR 21

TOTAL TOOL 43

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 31

TOTAL ASSEMBLY 74

D.C. ABOVE TOOLS.Stands Single Total

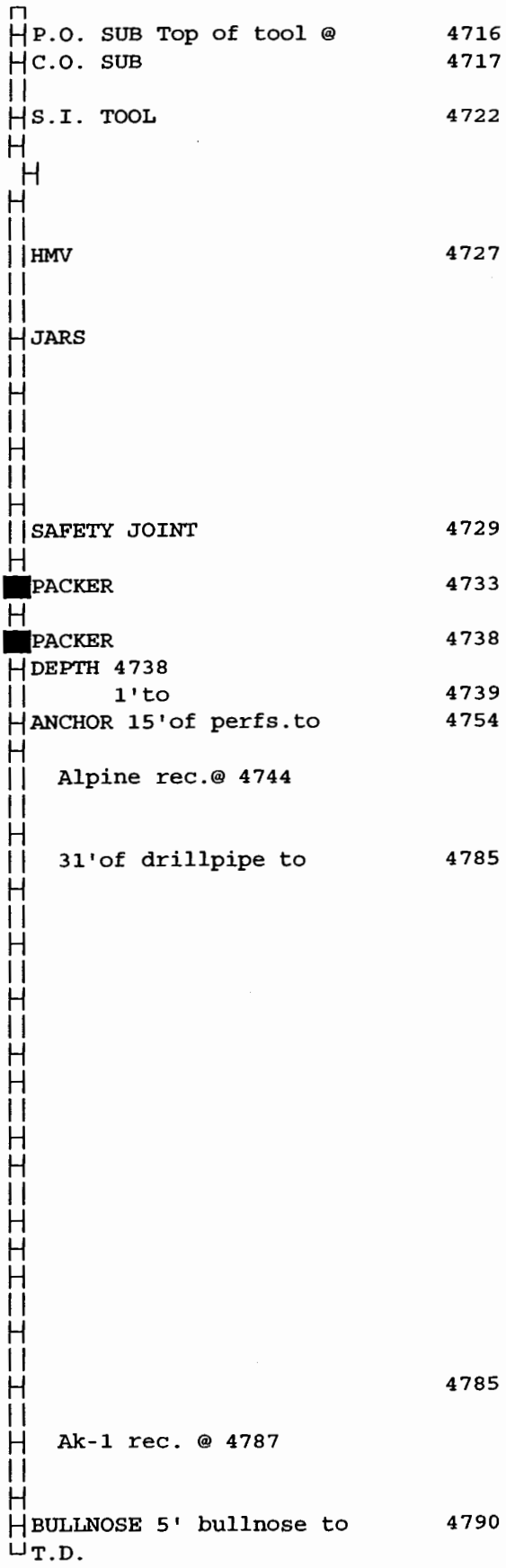
D.P. ABOVE TOOLS.Stands77 Single Total 4732

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4806

TOTAL DEPTH 4790

TOTAL DRILL PIPE ABOVE K.B. 16

REMARKS:



TEST HISTORY

Tk#13234 DST#4 #1-Burgess Lotus, Operating Co., LLC

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2430.63
B:	0.00	15.27
C:	43.67	23.41
D:	60.33	195.71
E:	0.00	16.53
F:	59.33	18.79
G:	64.00	185.39
Q:	0.00	2272.92

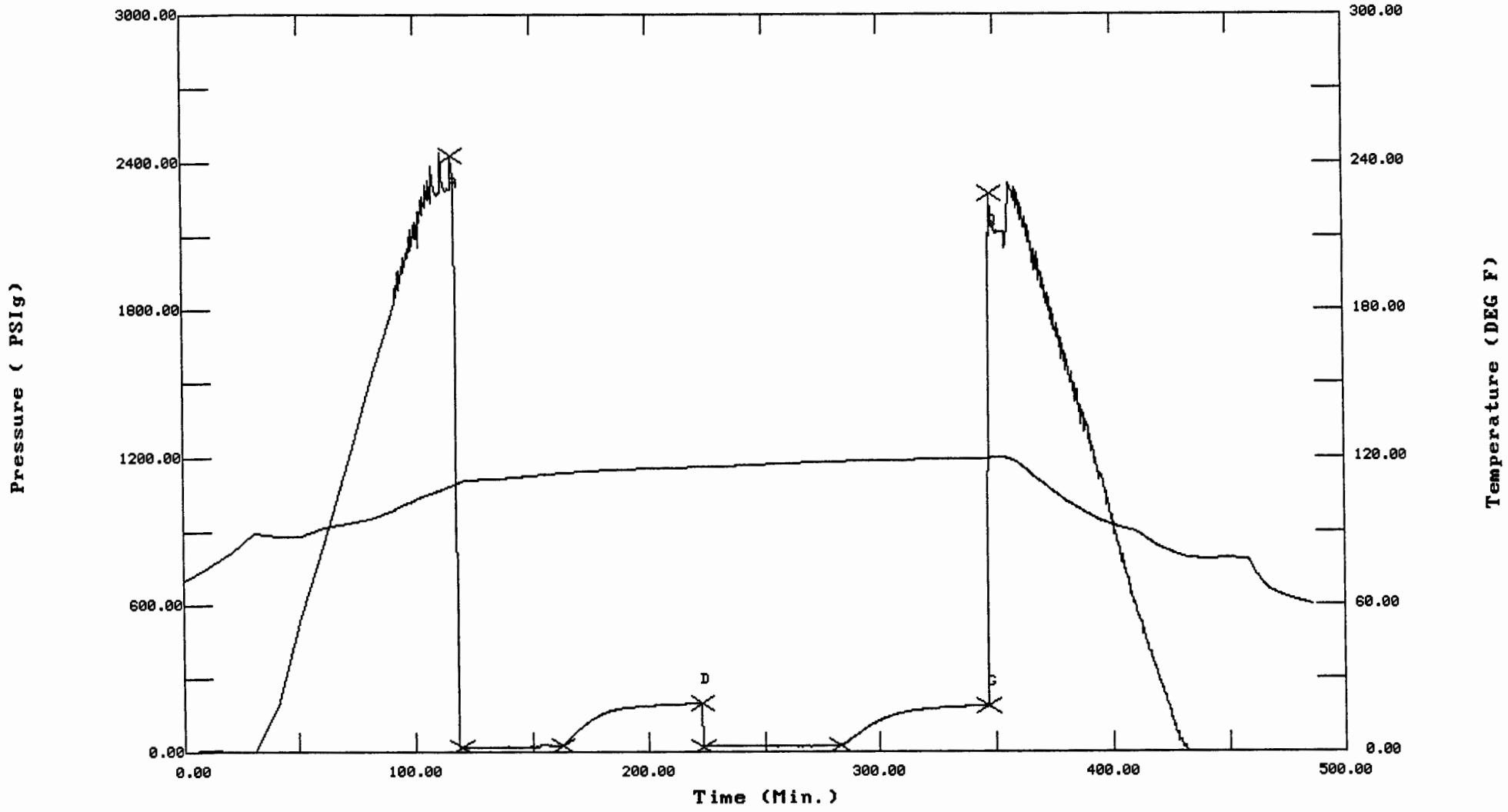
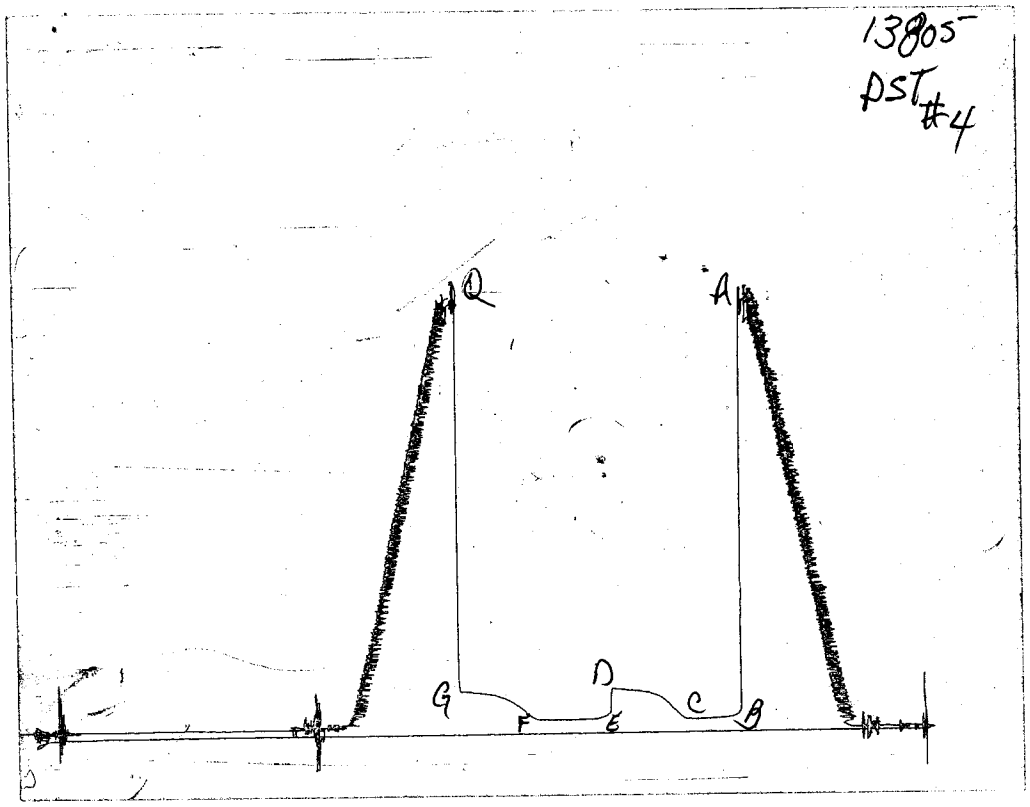


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

№ 13234

Test Ticket

Well Name & No. #1-Burgess Test No. #4 Date 09/26/00

Company Lotus Operating, Co. L.L.C Zone Tested Miss.

Address 100 S Main Suite 520 Wichita, Ks. 67202 Elevation 1423 KB 1415 GL

Co. Rep / Geo. Tim Hellman Cont. Duke #2 Est. Ft. of Pay ___ Por. ___ %

Location: Sec. 35 Twp. 34S Rge. 12W Co. Barber State Ks

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

Interval Tested 4738' - 4790' Initial Str Wt./Lbs. 54,000 Unseated Str Wt./Lbs. 54,000

Anchor Length 52' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 65,000

Top Packer Depth 4735' Tool Weight 2100

Bottom Packer Depth 4738' Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓

Total Depth 4790 Wt. Pipe Run N/A Drill Collar Run N/A

Mud Wt. 9.4 LCM Trace Vis. 47 WL 10.4 Drill Pipe Size 4½ XH Ft. Run 4763'

Blow Description IF: Fair blow B.O.B. in 22½ mins.

ISI: Bled down for 5 mins.

FF: Fair blow B.O.B. in 8 mins.

FSI: Bled down for 5 mins No blow back.

Recovery — Total Feet 20' GIP 800 Ft. in DC ___ Ft. in DP 20

Rec. 20	Feet Of VSOCM	%gas 2	%oil	%water 98	%mud
Rec. @ 800	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 120 °F Gravity ___ °API D@ ___ °F Corrected Gravity ___ °API

RW ___ @ ___ °F Chlorides ___ ppm Recovery Chlorides 4,000 ppm System

	AK-1	Alpine				
(A) Initital Hydrostatic Mud	2485	2431	PSI	Recorder No. 2350	T-On Location 1630
(B) First Initial Flow Pressure	97	15	PSI	(depth) 4744	T-Started 1657
(C) First Final Flow Pressure	75	23	PSI	Recorder No. 13805	T-Open 1905
(D) Initial Shut-In Pressure	248	196	PSI	(depth) 4787	T-Pulled 2250
(E) Second Initial Flow Pressure	97	17	PSI	Recorder No. ___	T-Out 0045
(F) Second Final Flow Pressure	86	19	PSI	(depth) ___	T-Off Location 0200
(G) Final Shut-in Pressure	237	185	PSI	Initial Opening 45	Test 850 ✓
(Q) Final Hydrostatic Mud	2517	2273	PSI	Initial Shut-in 60	Jars ___
				Final Flow 60	Safety Joint ✓ 50
				Final Shut-in 60	Straddle ___
				___	Circ. Sub ___
				___	Sampler ___
					Extra Packer ___
					Elec. Rec. ✓ 150
					Mileage 55 55
					Other ___
					TOTAL PRICE $ 1063

7:48 / 8:15

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 Tim Hellman

Our Representative Darren Kamerer

NATURAL GAS ANALYSIS REPORT

Sampled by:
Trilobite Testing, L. L. C.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 913-625-5620

Analyzed by:
Caraway Analytical, Inc
P. O. Box 2137
Liberal, Kansas 67905
Phone: 316-624-5389
Fax: 316-626-7108

Lab Number: 20005404 Analyzed: 10/02/00

Sample From: Burgess #1 DST 2 Pressure:
Producer: Lotus Operating Co., LLC Temperature:

Date: Location: 35-34-12

Time: County: Barber
Sampler: State: Kansas
Source: Formation: Pawnee

		Mole %	GPM
Helium	He:	0.088	0.000
Hydrogen	H2:	0.007	0.000
Oxygen	O2:	0.049	0.000
Nitrogen	N2:	2.753	0.000
Carbon Dioxide	CO2:	0.044	0.000
Methane	C1:	88.829	0.000
Ethane	C2:	4.398	1.176
Propane	C3:	1.897	0.523
Iso Butane	iC4:	0.189	0.062
Normal Butane	nC4:	0.635	0.200
Iso Pentane	iC5:	0.169	0.062
Normal Pentane	nC5:	0.229	0.083
Hexanes Plus	C6+:	0.713	0.311
	TOTAL:	100.000	2.417

Z Fact: 0.9975
SP.GR.: 0.6458
BTU (SAT): 1088.2 @ 14.73 psia
BTU (DRY): 1107.4 @ 14.73 psia

OCTANE RATING: 123.0

COMMENTS: 0.049