Company Plano Petroleum Corporation — Lease & Well No. #2 Frick

Elevation 2234 Kelly Bushing — Formation Lansing — Effective Pay -- — Ft. — Ticket No. 15714

Date 8/13/82 — Sec. 12 — Twp. 20S — Range 20W — County Pawnee — State Kansas

Test Approved by Allen S. Monroe — Western Representative Darrell Claphan

Formation Test No. 1 — Interval Tested from 3768 ft. to 3793 ft. — Total Depth 3793 ft.

Packer Depth 3763 ft. — Size 6 3/4 in. — Packer Depth 3768 ft. — Size 6 3/4 in.

Packer Depth - ft. — Size - in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3775 ft. — Recorder Number 10980 — Cap. 4200

Bottom Recorder Depth (Outside) 3779 ft. — Recorder Number 6233 — Cap. 4000

Below Straddle Recorder Depth - ft. — Recorder Number - — Cap. -

Drilling Contractor Sterling Drlg. Rig #4 — Drill Collar Length 310 — I. D. 2.2 in.

Mud Type monopac — Viscosity 41 — Weight Pipe Length 455 — I. D. 2.7 in.

Weight 9.3 — Water Loss 14.4 cc. — Drill Pipe Length 2974 — I. D. 3.8 in.

Chlorides 20,000 P.P.M. — Test Tool Length 29 ft. — Tool Size 4.5 in.

Jars: Make WTC — Serial Number 414 — Anchor Length 25 ft. — Size 5.5 in.

Did Well Flow? No — Reversed Out Yes — Surface Choke Size 3/4 in. — Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. — Tool Joint Size 4.5 in.

Blow: Initial flow period weak building to strong in ten minjtes one half inch to fourteen inches. Weak building to strong blow in seven minutes on final flow.

Recovered 1340 ft. of muddy water Chlorides 65,000 ppm

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Read bottom chart - clock stopped on top recorder.

Time Set Packer(s) 9:55 A.M. P.M. — Time Started Off Bottom 12:40 ~~A.M.~~ P.M. — Maximum Temperature 114°

Initial Hydrostatic Pressure			(A)	1845	P.S.I.	
Initial Flow Period	Minutes 30		(B)	207	P.S.I. to (C)	419 P.S.I.
Initial Closed In Period	Minutes 45		(D)	1224	P.S.I.	
Final Flow Period	Minutes 45		(E)	475	P.S.I. to (F)	609 P.S.I.
Final Closed In Period	Minutes 42		(G)	1194	P.S.I.	
Final Hydrostatic Pressure			(H)	1823	P.S.I.	

WESTERN TESTING CO., INC.
Pressure Data

Date 8/13/82 Test Ticket No. 15714

Recorder No. 6233 Capacity 4000 Location 3779 Ft.

Clock No. ------ Elevation 2234 Kelly Bushing Well Temperature 114 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1845 P.S.I.	Open Tool		9:55A M	
B	First Initial Flow Pressure	207 P.S.I.	First Flow Pressure		30 Mins.	30 Mins.
C	First Final Flow Pressure	419 P.S.I.	Initial Closed-in Pressure		45 Mins.	45 Mins.
D	Initial Closed-in Pressure	1224 P.S.I.	Second Flow Pressure		45 Mins.	45 Mins.
E	Second Initial Flow Pressure	475 P.S.I.	Final Closed-in Pressure		45 Mins.	42 Mins.
F	Second Final Flow Pressure	609 P.S.I.				
G	Final Closed-in Pressure	1194 P.S.I.				
H	Final Hydrostatic Mud	1823 P.S.I.				

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Mins.	Press.
P 1 0	207
P 2 5	212
P 3 10	260
P 4 15	306
P 5 20	358
P 6 25	402
P 7 30	419
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 15 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	419
3	1062
6	1103
9	1123
12	1143
15	1161
18	1176
21	1187
24	1192
27	1199
30	1205
33	1210
36	1215
39	1218
42	1221
45	1224

Second Flow Pressure
Breakdown: 9 Inc.
of 5 mins. and a
final inc. of 0 Min.

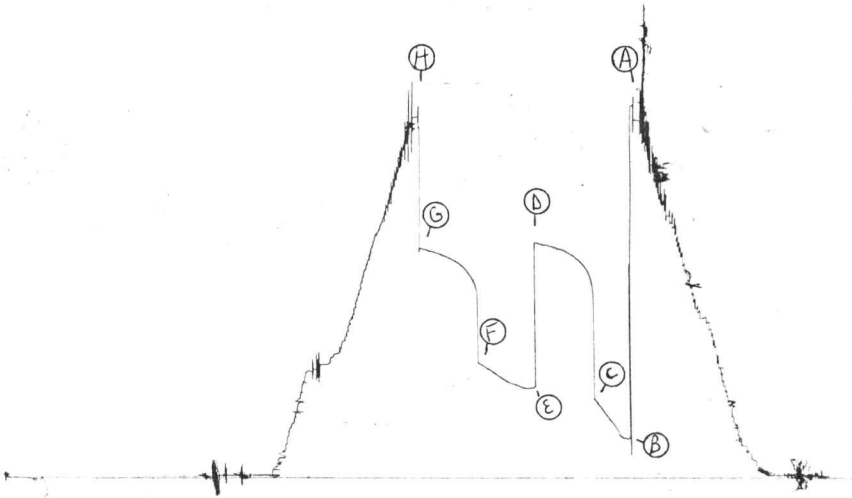
Point Minutes	Press.
0	475
5	475
10	483
15	496
20	510
25	533
30	556
35	579
40	602
45	609

Final Shut-In
Breakdown: 14 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	609
3	1048
6	1077
9	1100
12	1117
15	1130
18	1143
21	1153
24	1162
27	1170
30	1176
33	1181
36	1186
39	1191
42	1194

WTC - 4

IRT # 15714



6233

Company Plano Petroleum Corporation — Lease & Well No. #2 Frick

Elevation 2234 Kelly Bushing — Formation Cherokee Sand — Effective Pay -- Ft. — Ticket No. 15715

Date 8/ 15/82 — Sec. 12 — Twp. 20S — Range 20W — County Pawnee — State Kansas

Test Approved by Allen S. Monroe — Western Representative Darrell Claphan

Formation Test No. 2 — Interval Tested from 4212 ft. to 4246 ft. — Total Depth 4246 ft.

Packer Depth 4207 ft. — Size 6 3/4 in. — Packer Depth 4212 ft. — Size 6 5/8 in.

Packer Depth - ft. — Size - in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4219 ft. — Recorder Number 10980 — Cap. 4200

Bottom Recorder Depth (Outside) 4223 ft. — Recorder Number 6233 — Cap. 4000

Below Straddle Recorder Depth - ft. — Recorder Number - — Cap. -

Drilling Contractor Sterling Drlg. Co. Rig #2 — Drill Collar Length 310 — I. D. 2.2 in.

Mud Type monopac — Viscosity 72 — Weight Pipe Length 455 — I. D. 2.7 in.

Weight 9.5 — Water Loss 8.8 cc. — Drill Pipe Length 3418 — I. D. 3.8 in.

Chlorides 23,000 P.P.M. — Test Tool Length 29 ft. — Tool Size 4.5 in.

Jars: Make WTC — Serial Number 414 — Anchor Length 34 ft. — Size 5.5 in.

Did Well Flow? No — Reversed Out No — Surface Choke Size 3/4 in. — Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. — Tool Joint Size 4.5 in.

Blow: Initial flow period weak building to good blow one fourth to nine inches.

Recovered 180 ft. of gas in pipe

Recovered 120 ft. of oil and gas cut mud — 40% oil;19% gas;41% mud

Recovered 60 ft. of gas cut muddy oil — 47% oil;19% gas;34% mud

Recovered ft. of No Water

Recovered ft. of

Remarks:

Read bottom chart; rig broke down going into hole.

Time Set Packer(s) 11:10 A.M. P.M. — Time Started Off Bottom 11:40 A.M. P.M. — Maximum Temperature 118°

Initial Hydrostatic Pressure (A) 2097 P.S.I.

Initial Flow Period Minutes 20 (B) 96 P.S.I. to (C) 102 P.S.I.

Initial Closed In Period Minutes 9 (D) 440 P.S.I.

Final Flow Period Minutes -- (E) -- P.S.I. to (F) -- P.S.I.

Final Closed In Period Minutes -- (G) -- P.S.I.

Final Hydrostatic Pressure (H) 2092 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 8/15/82 Test Ticket No. 15715

Recorder No. 6233 Capacity 4000 Location 4223 Ft.

Clock No. -- Elevation 2234 Kelly Bushing Well Temperature 118 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2097 P.S.I.	Open Tool		11:10A M	
B	First Initial Flow Pressure	96 P.S.I.	First Flow Pressure		20 Mins.	20 Mins.
C	First Final Flow Pressure	102 P.S.I.	Initial Closed-in Pressure		10 Mins.	9 Mins.
D	Initial Closed-in Pressure	440 P.S.I.	Second Flow Pressure		-- Mins.	-- Mins.
E	Second Initial Flow Pressure	-- P.S.I.	Final Closed-in Pressure		-- Mins.	-- Mins.
F	Second Final Flow Pressure	-- P.S.I.				
G	Final Closed-in Pressure	-- P.S.I.				
H	Final Hydrostatic Mud	2092 P.S.I.				

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 4 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Mins.	Press.
P 1 0	96
P 2 5	96
P 3 10	96
P 4 15	96
P 5 20	102
P 6	
P 7	
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 3 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	102
3	366
6	420
9	440

Second Flow Pressure
Breakdown: 0 Inc.
of 5 mins. and a
final inc. of 0 Min.

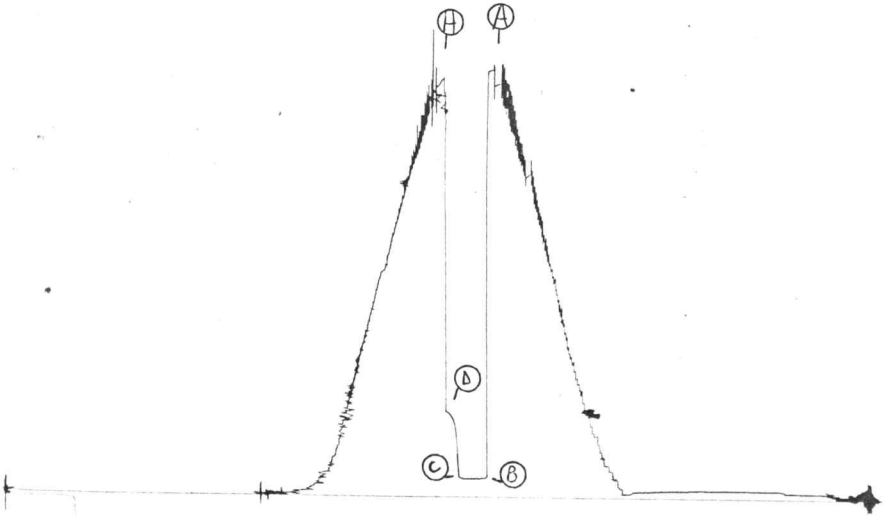
Point Minutes	Press.

Final Shut-In
Breakdown: 0 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.

WTC - 4

TKT # 15715



6233

Company Plano Petroleum Corporation — Lease & Well No. #2 Frick

Elevation 2234 Kelly Bushing — Formation Cherokee Sand — Effective Pay -- Ft. — Ticket No. 15716

Date 8/ 16/82 — Sec. 12 — Twp. 20S — Range 20W — County Pawnee — State Kansas

Test Approved by Allen S. Monroe — Western Representative Darrell Claphab

Formation Test No. 3 — Interval Tested from 4247 ft. to 4277 ft. — Total Depth 4277 ft.

Packer Depth 4242 ft. — Size 6 3/4 in. — Packer Depth 4247 ft. — Size 6 5/8 in.

Packer Depth - ft. — Size - in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4254 ft. — Recorder Number 10980 — Cap. 4200

Bottom Recorder Depth (Outside) 4258 ft. — Recorder Number 6233 — Cap. 4000

Below Straddle Recorder Depth - ft. — Recorder Number - — Cap. --

Drilling Contractor Sterling Drlg. Co. Rig #2 — Drill Collar Length 310 — I. D. 2.2 in.

Mud Type monopac — Viscosity 47 — Weight Pipe Length 455 — I. D. 2.7 in.

Weight 9.5 — Water Loss 9.6 cc. — Drill Pipe Length 3453 — I. D. 3.8 in.

Chlorides 28,000 P.P.M. — Test Tool Length 29 ft. — Tool Size 4.5 in.

Jars: Make WTC — Serial Number 414 — Anchor Length 30 ft. — Size 5.5 in.

Did Well Flow? No — Reversed Out No — Surface Choke Size 3/4 in. — Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. — Tool Joint Size 4.5 in.

Blow: Initial flow period weak building to strong in three minutes. Weak building to strong in twelve minutes on final flow period.

Recovered 100 ft. of very slightly oil cut watery mud — Less than 1% oil

Recovered 760 ft. of muddy water — Chlorides 28,000 ppm

Recovered ____ ft. of

Recovered ____ ft. of

Recovered ____ ft. of

Remarks: Pulled tool loose on final flow; reset and ran 15,20

Time Set Packer(s) 2:10 ~~P.M.~~ A.M. — Time Started Off Bottom 3:20 ~~P.M.~~ A.M. — Maximum Temperature 122°

Initial Hydrostatic Pressure			(A)	2152	P.S.I.	
Initial Flow Period	Minutes	15	(B)	222 P.S.I.	to (C)	292 P.S.I.
Initial Closed In Period	Minutes	18	(D)	775	P.S.I.	
Final Flow Period	Minutes	20	(E)	397 P.S.I.	to (F)	479 P.S.I.
Final Closed In Period	Minutes	--	(G)	--	P.S.I.	
Final Hydrostatic Pressure			(H)	2152	P.S.I.	

WTC-1

WESTERN TESTING CO., INC.
Pressure Data

Date 8/16/82 Test Ticket No. 15716

Recorder No. 10980 Capacity 4200 Location 4254 Ft.

Clock No. -- Elevation 2234 Kelly Bushing Well Temperature 122 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2152 P.S.I.	Open Tool	2:10A M	
B First Initial Flow Pressure	222 P.S.I.	First Flow Pressure	15 Mins.	15 Mins.
C First Final Flow Pressure	292 P.S.I.	Initial Closed-in Pressure	20 Mins.	18 Mins.
D Initial Closed-in Pressure	775 P.S.I.	Second Flow Pressure	15 Mins.	20 Mins.
E Second Initial Flow Pressure	397 P.S.I.	Final Closed-in Pressure	20 Mins.	-- Mins.
F Second Final Flow Pressure	479 P.S.I.			
G Final Closed-in Pressure	-- P.S.I.			
H Final Hydrostatic Mud	2152 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 3 Inc. of 5 mins. and a final inc. of 0 Min.

Point Mins.	Press.
P 1 0	222
P 2 5	240
P 3 10	278
P 4 15	292
P 5	
P 6	
P 7	
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 6 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	292
3	620
6	701
9	737
12	759
15	771
18	775

Second Flow Pressure
Breakdown: 4 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	397
5	FLUSHED TOOL
10	474
15	475
20	479

Final Shut-In
Breakdown: 0 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.

WTC - 4

IKT #.15716

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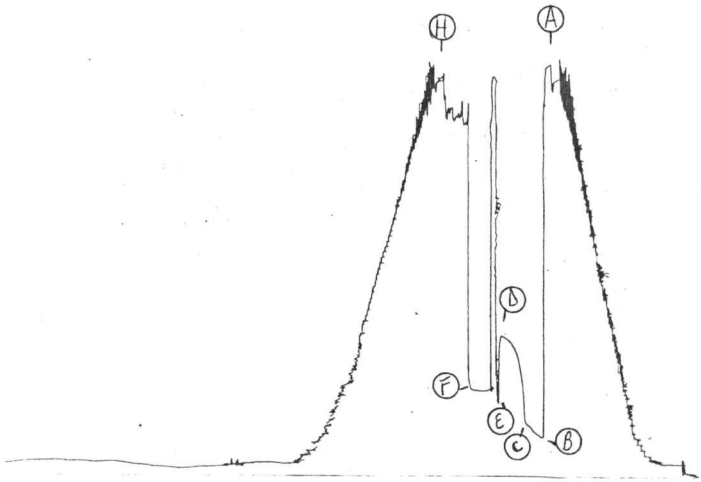


Company Plano Petroleum Corporation — Lease & Well No. #2 Frick

Elevation 2234 Kelly Bushing — Formation Cherokee — Effective Pay -- Ft. — Ticket No. 15717

Date 8/16/82 — Sec. 12 — Twp. 20S — Range 20W — County Pawnee — State Kansas

Test Approved by Allen S. Monroe — Western Representative Darrell Claphan

Formation Test No. 4 — Interval Tested from 4282 ft. to 4324 ft. — Total Depth 4324 ft.

Packer Depth 4277 ft. — Size 6 5/8 in. — Packer Depth 4282 ft. — Size 6 3/4 in.

Packer Depth - ft. — Size - in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4289 ft. — Recorder Number 10980 — Cap. 4200

Bottom Recorder Depth (Outside) 4293 ft. — Recorder Number 6233 — Cap. 4000

Below Straddle Recorder Depth - ft. — Recorder Number - — Cap. -

Drilling Contractor Sterling Drlg. Rig #4 — Drill Collar Length 310 — I. D. 2.2 in.

Mud Type monopac — Viscosity 47 — Weight Pipe Length 455 — I. D. 2.7 in.

Weight 9.5 — Water Loss 9.6 cc. — Drill Pipe Length 3488 — I. D. 3.8 in.

Chlorides 28,000 P.P.M. — Test Tool Length 29 ft. — Tool Size 4.5 in.

Jars: Make WTC — Serial Number 414 — Anchor Length 42 ft. — Size 5.5 in.

Did Well Flow? No — Reversed Out No — Surface Choke Size 3/4 in. — Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. — Tool Joint Size 4.5 in.

Blow: Initial flow period weak building to strong blow in seven minutes.

Recovered 390 ft. of muddy water — Chlorides 34,000 ppm

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Read bottom chart

Time Set Packer(s) 6:30 ~~A.M.~~ P.M. — Time Started Off Bottom 7:00 ~~A.M.~~ P.M. — Maximum Temperature 123°

Initial Hydrostatic Pressure			(A)	2137	P.S.I.	
Initial Flow Period	Minutes 15	(B)	117	P.S.I. to (C)	190	P.S.I.
Initial Closed In Period	Minutes 15	(D)	763	P.S.I.		
Final Flow Period	Minutes --	(E)	--	P.S.I. to (F)	--	P.S.I.
Final Closed In Period	Minutes --	(G)	--	P.S.I.		
Final Hydrostatic Pressure		(H)	2097	P.S.I.		

WESTERN TESTING CO., INC.
Pressure Data

Date 8/16/82 Test Ticket No. 15717

Recorder No. 6233 Capacity 4000 Location 4293 Ft.

Clock No. -- Elevation 2234 Kelly Bushing Well Temperature 123 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2137 P.S.I.	Open Tool	6:30P M	
B First Initial Flow Pressure	117 P.S.I.	First Flow Pressure	15 Mins.	15 Mins.
C First Final Flow Pressure	190 P.S.I.	Initial Closed-in Pressure	15 Mins.	15 Mins.
D Initial Closed-in Pressure	763 P.S.I.	Second Flow Pressure	-- Mins.	-- Mins.
E Second Initial Flow Pressure	-- P.S.I.	Final Closed-in Pressure	-- Mins.	-- Mins.
F Second Final Flow Pressure	-- P.S.I.			
G Final Closed-in Pressure	-- P.S.I.			
H Final Hydrostatic Mud	2097 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 3 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Mins.	Press.
P 1 0	117
P 2 5	121
P 3 10	160
P 4 15	190
P 5	
P 6	
P 7	
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 5 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	190
3	700
6	730
9	748
12	761
15	763

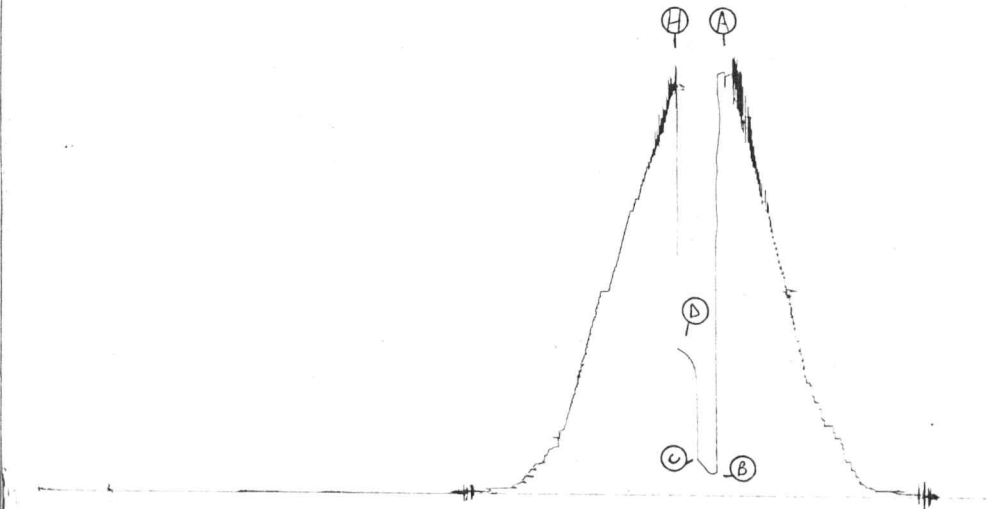
Second Flow Pressure
Breakdown: 0 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.

Final Shut-In
Breakdown: 0 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.

TKT #15717



6233