Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Texas Energies, Inc. Lease & Well No. Hess #1

Elevation 1992 Ground Level Formation Kansas City Effective Pay - Ft. Ticket No. 24766

Date 5-30-77 Sec. 22 Twp. 28S Range 14W County Pratt State Kansas

Test Approved by James F. Dilts Western Representative Max Knipe

Formation Test No. 1 O.K. X Misrun - Interval Tested From 3935' to 3967' Total Depth 3967'

Size Main Hole 77/8 Rat Hole - Conv. - B.T. X Damaged - Yes X No Conv. - B.T. X Damaged - Yes X No

Top Packer Depth 3930 Ft. Size 6 3/4 Bottom Packer Depth 3935 Ft. Size 6 3/4

Straddle - Conv. - B.T. - Damaged - Yes - No Packer Depth - Ft. Size -

Tool Size 5½ OD Tool Joint Size 4½ FH Anchor Length 32 Ft. Size 5½ OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3942 Ft. Clock No. 6861 Depth 3945 Ft. Clock No. 6892

Top Make Kuster Cap. 4300 No. 1567 ~~Inside~~ Outside Bottom Make Kuster Cap. 4250 No. 1051 ~~Inside~~ Outside

Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 9:55 P M

Tool Open I.F.P. From 10:00 PM. to 10:30PM. - Hr. 30 Min. From (B) 239 P.S.I. To (C) 166 P.S.I.

Tool Closed I.C.I.P. From 10:30M. to 11:15PM. - Hr. 45 Min (D) 256 P.S.I.

Tool Open F.F.P. From 11:15PM. to 11:45PM. - Hr. 30 Min. From (E) 172 P.S.I. To (F) 168 P.S.I.

Tool Closed F.C.I.P. From 11:45M. to 12:30AM. - Hr. 45 Min. (G) 178 P.S.I.

Initial Hydrostatic Pressure (A) 1985 P.S.I. Final Hydrostatic Pressure (H) 1936 P.S.I. Maximum Temp. 115

INFORMATION

BLOW Good blow decreasing to 2" by the end of the final flow period.

Did Well Flow - Yes X No Recovery Total Ft. 247' mud with approximately 1' clear water on top.
water check - (28,000 P.P.M. chlorides) See remarks.

Reversed Out - Yes X No Mud Type drispac Viscosity 43 Weight 9.2 Water Loss 13.8 cc. Chlorides 24,000 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint - Jars: Size - In. Make - Ser. No. -

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? - Where? -

DRILLING CONTRACTOR Gabbert-Jones, Inc. Length Drill Pipe? 3667 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½FH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 248 Ft. I.D. Drill Collars 2¼ In.

Tool Joint Size 4½H90 In. Length D.S.T. Tool 52 Ft.

Remarks: Slid tool 12' to bottom - picked up fluid sliding to bottom. Pressures from outside recorder #1051.

WESTERN TESTING CO., INC.
Pressure Data

Date 5-30-77 Test Ticket No. 24766

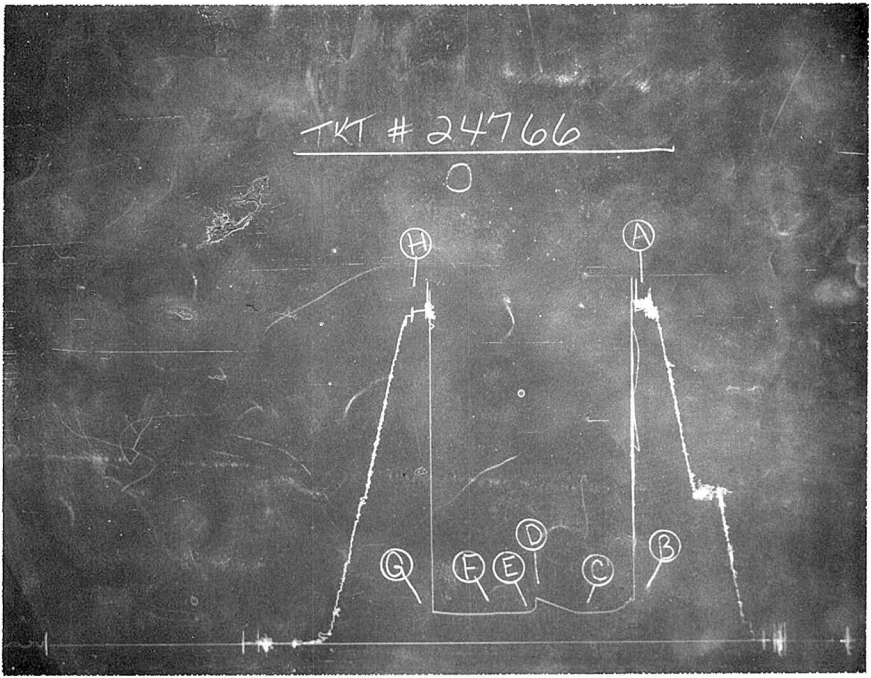
Recorder No. 1051 Capacity 4250 Location 3945 Ft.

Clock No. 6892 Elevation 1992 Ground Level Well Temperature 115 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1985	P.S.I.	Open Tool	9:55 PM	
B	First Initial Flow Pressure	239	P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	166	P.S.I.	Initial Closed-in Pressure	45 Mins.	48 Mins.
D	Initial Closed-in Pressure	256	P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E	Second Initial Flow Pressure	172	P.S.I.	Final Closed-in Pressure	45 Mins.	48 Mins.
F	Second Final Flow Pressure	168	P.S.I.			
G	Final Closed-in Pressure	178	P.S.I.			
H	Final Hydrostatic Mud	1936	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 6 Inc.		Breakdown: 16 Inc.		Breakdown: 6 Inc.		Breakdown: 16 Inc.	
of 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	239	0	166	0	172	0	168
P 2 5	221	3	166	5	170	3	166
P 3 10	191	6	166	10	168	6	166
P 4 15	172	9	166	15	168	9	166
P 5 20	168	12	166	20	168	12	166
P 6 25	166	15	168	25	168	15	166
P 7 30	166	18	172	30	168	18	166
P 8		21	178			21	166
P 9		24	187			24	166
P10		27	196			27	166
P11		30	204			30	166
P12		33	213			33	168
P13		36	219			36	170
P14		39	230			39	172
P15		42	239			42	174
P16		45	249			45	176
P17		48	256			48	178
P18							
P19							
P20							


TKT # 24766
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Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Texas Energies, Inc. Lease & Well No. Hess #1

Elevation 1992 Ground Level Formation Kansas City Effective Pay - Ft. Ticket No. 24768

Date 5-31-77 Sec. 22 Twp. 28S Range 14W County Pratt State Kansas

Test Approved by James F. Dilts Western Representative Max Knipe

Formation Test No. 2 O.K. X Misrun - Interval Tested From 4090' to 4118' Total Depth 4118'

Size Main Hole 7 7/8 Rat Hole - Conv. - B.T. X Damaged - Yes X No Conv. - B.T. X Damaged - Yes X No

Top Packer Depth 4085 Ft. Size 6 3/4 Bottom Packer Depth 4090 Ft. Size 6 3/4

Straddle - Conv. - B.T. - Damaged - Yes - No Packer Depth - Ft. Size -

Tool Size 5½ OD Tool Joint Size 4½ FH Anchor Length 28 Ft. Size 5½ OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4103 Ft. Clock No. 6861 Depth 4106 Ft. Clock No. 6892

Top Make Kuster Cap. 4300 No. 1567 ~~Inside~~ ~~Outside~~ Bottom Make Kuster Cap. 4250 No. 1051 ~~Inside~~ Outside

Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 6:32 PM

Tool Open I.F.P. From 6:35 PM. to 7:05 PM. - Hr. 30 Min. From (B) 43 P.S.I. To (C) 37 P.S.I.

Tool Closed I.C.I.P. From 7:05 PM. to 7:50 PM. - Hr. 45 Min (D) 771 P.S.I.

Tool Open F.F.P. From 7:50 PM. to 8:35 PM. - Hr. 45 Min. From (E) 57 P.S.I. To (F) 56 P.S.I.

Tool Closed F.C.I.P. From 8:35 PM. to 9:35 PM. 1 Hr. - Min. (G) 834 P.S.I.

Initial Hydrostatic Pressure (A) 2009 P.S.I. Final Hydrostatic Pressure (H) 2000 P.S.I. Maximum Temp. 118

INFORMATION

BLOW Good 10" blow.

Did Well Flow - Yes X No Recovery Total Ft. 200' gas in pipe, 75' total fluid; 15' of 15% oil, 10% water, 75% mud, 60' of 10% oil, 25% water, 60% mud.

Reversed Out - Yes X No Mud Type drispac Viscosity 45 Weight 9.2 Water Loss 19.2 cc. Chlorides 28,000 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint - Jars: Size - In. Make - Ser. No. -

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? no Where? -

DRILLING CONTRACTOR Gabbert - Jones, Inc. Length Drill Pipe? 3817 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½FH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 248 Ft. I.D. Drill Collars 2¼ In.

Tool Joint Size 4½H90 In. Length D.S.T. Tool 48 Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 5-31-77 Test Ticket No. 24768

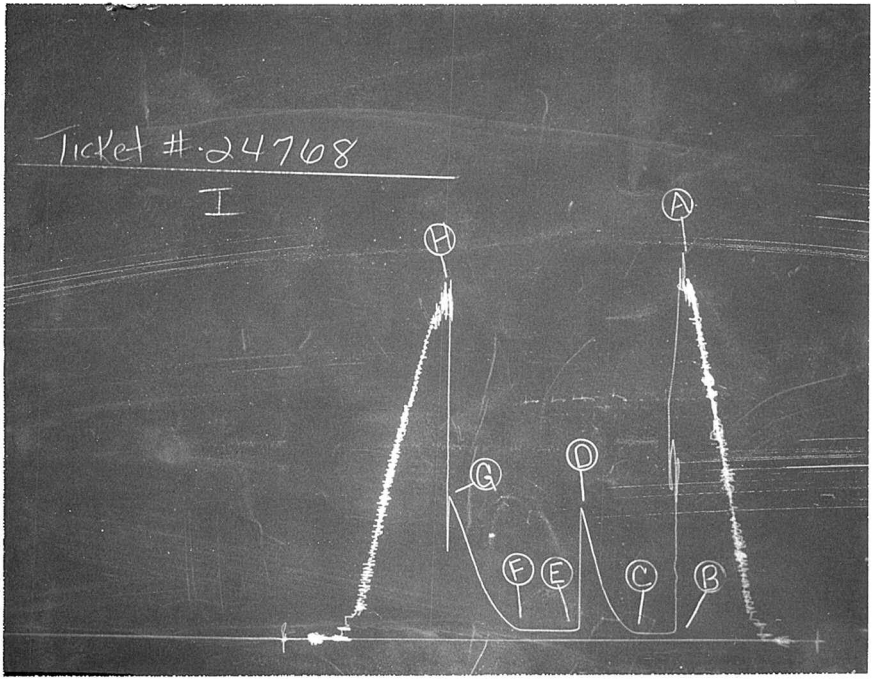
Recorder No. 1567 Capacity 4300 Location 4103 Ft.

Clock No. 6861 Elevation 1992 Ground Level Well Temperature 118 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2009 P.S.I.	Open Tool	6:32 PM	
B First Initial Flow Pressure	43 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	37 P.S.I.	Initial Closed-in Pressure	45 Mins.	48 Mins.
D Initial Closed-in Pressure	771 P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E Second Initial Flow Pressure	57 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	56 P.S.I.			
G Final Closed-in Pressure	834 P.S.I.			
H Final Hydrostatic Mud	2000 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 6 Inc.		Breakdown: 16 Inc.		Breakdown: 9 Inc.		Breakdown: 20 Inc.	
of 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	43	0	37	0	57	0	56
P 2 5	37	3	39	5	52	3	58
P 3 10	37	6	48	10	52	6	67
P 4 15	37	9	60	15	53	9	84
P 5 20	37	12	78	20	53	12	103
P 6 25	37	15	102	25	54	15	125
P 7 30	37	18	130	30	54	18	151
P 8		21	164	35	55	21	177
P 9		24	201	40	55	24	212
P10		27	246	45	56	27	251
P11		30	300			30	290
P12		33	372			33	339
P13		36	448			36	400
P14		39	526			39	454
P15		42	614			42	519
P16		45	696			45	575
P17		48	771			48	633
P18						51	696
P19						54	745
P20						57	793
						60	834


Ticket #.24768
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WESTERN TESTERS

Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Texas Energies, Inc. Lease & Well No. Hess #1

Elevation 1992 Ground Level Formation Mississippi Effective Pay - Ft. Ticket No. 24807

Date 6-2-77 Sec. 22 Twp. 28S Range 14W County Pratt State Kansas

Test Approved by James F. Dilts Western Representative Joe N. Lusk

Formation Test No. 3 O.K. X Misrun - Interval Tested From 4404' to 4430' Total Depth 4430'

Size Main Hole 7 7/8 Rat Hole - Conv. - B.T. X Damaged - Yes X No Conv. X B.T. - Damaged - Yes X No

Top Packer Depth 4399 Ft. Size 6 3/4 Bottom Packer Depth 4404 Ft. Size 6 3/4

Straddle - Conv. - B.T. - Damaged - Yes - No Packer Depth - Ft. Size -

Tool Size 5½ OD Tool Joint Size 4½ FH Anchor Length 26 Ft. Size 5½ OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4408 Ft. Clock No. 5665 Depth 4411 Ft. Clock No. 6894

Top Make Kuster Cap. 4400 No. 2603 ~~Inside~~ ~~Outside~~ Bottom Make Kuster Cap. 4000 No. 3660 ~~Inside~~ Outside

Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 1:40 A M

Tool Open I.F.P. From 1:42 AM. to 2:27 AM. - Hr. 45 Min. From (B) 38 P.S.I. To (C) 33 P.S.I.

Tool Closed I.C.I.P. From 2:27 AM. to 3:27 AM. 1 Hr. - Min (D) 1417 P.S.I.

Tool Open F.F.P. From 3:27 M. to 4:27 AM. 1 Hr. - Min. From (E) 78 P.S.I. To (F) 78 P.S.I.

Tool Closed F.C.I.P. From 4:27 M. to 5:57 AM. 1 Hr. 30 Min. (G) 1415 P.S.I.

Initial Hydrostatic Pressure (A) 2213 P.S.I. Final Hydrostatic Pressure (H) 2137 P.S.I. Maximum Temp. 125

INFORMATION

BLOW Weak blow on initial flow period. Weak blow in final flow period.

Did Well Flow - Yes X No Recovery Total Ft. 130' total recovery. 70' mud, 60' water.

Reversed Out - Yes X No Mud Type premix Viscosity 44 Weight 9.3 Water Loss 17.2 cc. Chlorides 28,000 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint - Jars: Size - In. Make - Ser. No. -

Dual Packer yes Did Packers Hold? yes Did Tool Plug? no Where? -

DRILLING CONTRACTOR Gabbert - Jones, Inc. Length Drill Pipe? 4135 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½FH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 248 Ft. I.D. Drill Collars 2¼ In.

Tool Joint Size 4½H90 In. Length D.S.T. Tool 47 Ft.

Remarks: Chlorides check - top 39,000 P.P. M.

" " - Bottom 60,000 P.P.M.

WESTERN TESTING CO., INC.
Pressure Data

Date 6-2-77 Test Ticket No. 24807

Recorder No. 2603 Capacity 4400 Location 5665 Ft.

Clock No. 5665 Elevation 1992 Ground Level Well Temperature 125 °F

Point		Pressure	
A	Initial Hydrostatic Mud	2213	P.S.I.
B	First Initial Flow Pressure	38	P.S.I.
C	First Final Flow Pressure	33	P.S.I.
D	Initial Closed-in Pressure	1417	P.S.I.
E	Second Initial Flow Pressure	78	P.S.I.
F	Second Final Flow Pressure	78	P.S.I.
G	Final Closed-in Pressure	1415	P.S.I.
H	Final Hydrostatic Mud	2137	P.S.I.

	Time Given	Time Computed
Open Tool	1:40 A M	
First Flow Pressure	45 Mins.	45 Mins.
Initial Closed-in Pressure	60 Mins.	63 Mins.
Second Flow Pressure	60 Mins.	60 Mins.
Final Closed-in Pressure	90 Mins.	90 Mins.

PRESSURE BREAKDOWN

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

Initial Shut-In
Breakdown: 21 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 30 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point	Mins.	Press.	Point	Minutes	Press.	Point	Minutes	Press.	Point	Minutes	Press.
P 1	0	38		0	33		0	78		0	78
P 2	5	33		3	42		5	78		3	118
P 3	10	33		6	149		10	78		6	241
P 4	15	33		9	527		15	78		9	487
P 5	20	33		12	832		20	78		12	739
P 6	25	33		15	969		25	78		15	905
P 7	30	33		18	1058		30	78		18	998
P 8	35	33		21	1122		35	78		21	1062
P 9	40	33		24	1171		40	78		24	1107
P10	45	33		27	1209		45	78		27	1147
P11				30	1244		50	78		30	1175
P12				33	1271		55	78		33	1204
P13				36	1293		60	78		36	1226
P14				39	1315					39	1246
P15				42	1335					42	1264
P16				45	1351					45	1280
P17				48	1366					48	1295
P18				51	1377					51	1309
P19				54	1391					54	1320
P20				57	1402					57	1333
				60	1411					60	1340
				63	1417						

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WESTERN TESTING CO., INC.

Pressure Data

Date 6-2-77 Test Ticket No. 24807

Recorder No. 2603 Capacity 4400 Location 5665 Ft.

Clock No. 5665 Elevation 1992 Ground Level Well Temperature 125 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2213 P.S.I.		Open Tool	1:40 AM	
B	First Initial Flow Pressure	38 P.S.I.		First Flow Pressure	45 Mins.	45 Mins.
C	First Final Flow Pressure	33 P.S.I.		Initial Closed-in Pressure	60 Mins.	63 Mins.
D	Initial Closed-in Pressure	1417 P.S.I.		Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	78 P.S.I.		Final Closed-in Pressure	90 Mins.	90 Mins.
F	Second Final Flow Pressure	78 P.S.I.				
G	Final Closed-in Pressure	1415 P.S.I.				
H	Final Hydrostatic Mud	2137 P.S.I.				

PRESSURE BREAKDOWN

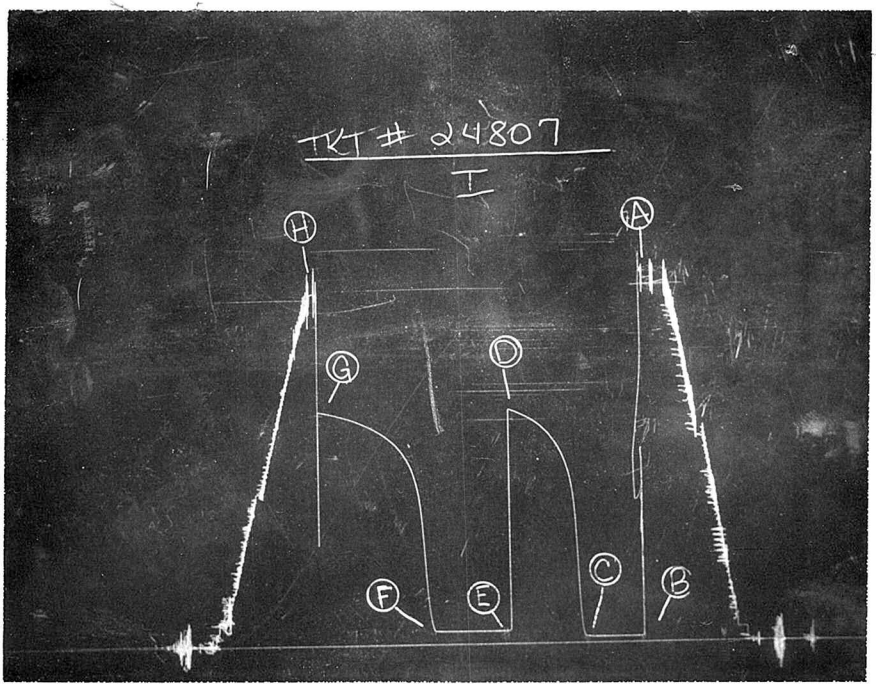
First Flow Pressure
Breakdown: 9 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 21 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 30 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						63	1351
P 2						66	1360
P 3						69	1369
P 4						72	1377
P 5						75	1384
P 6						78	1391
P 7						81	1397
P 8						84	1402
P 9						87	1409
P10						90	1415
P11							
P12							
P13							
P14							
P15							
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P17							
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TKT # 24807
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Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Texas Energies, Inc. Lease & Well No. Hess #1

Elevation 1992 Ground Level Formation Viola Effective Pay - Ft. Ticket No. 24808

Date 6-2-77 Sec. 22 Twp. 28S Range 14W County Pratt State Kansas

Test Approved by James F. Dilts Western Representative Joe N. Lusk

Formation Test No. 4 O.K. X Misrun - Interval Tested From 4480' to 4495' Total Depth 4495'

Size Main Hole 77/8 Rat Hole - Conv. X B.T. - Damaged - Yes X No Conv. - B.T. X Damaged - Yes X No

Top Packer Depth 4475 Ft. Size 6 3/4 Bottom Packer Depth 4480 Ft. Size 6 3/4

Straddle - Conv. - B.T. - Damaged - Yes - No Packer Depth - Ft. Size -

Tool Size 5½ OD Tool Joint Size 4½ FH Anchor Length 15 Ft. Size 5½ OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4444 Ft. Clock No. 5665 Depth 4487 Ft. Clock No. 6894

Top Make Kuster Cap. 4400 No. 2603 ~~Outside~~ Inside Bottom Make Kuster Cap. 4000 No. 3660 ~~Inside~~ Outside

Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 7:50 PM

Tool Open I.F.P. From 7:52 P M. to 8:22P M. - Hr. 30 Min. From (B) 36 P.S.I. To (C) 33 P.S.I.

Tool Closed I.C.I.P. From 8:22 M. to 8:52P M. - Hr. 30 Min (D) 33 P.S.I.

Tool Open F.F.P. From 8:52P M. to 9:22P M. - Hr. 30 Min. From (E) 33 P.S.I. To (F) 33 P.S.I.

Tool Closed F.C.I.P. From 9:22 M. to 10:07 M. = Hr. 45 Min. (G) 33 P.S.I.

Initial Hydrostatic Pressure (A) 2291 P.S.I. Final Hydrostatic Pressure (H) 2216 P.S.I. Maximum Temp. 125

INFORMATION

BLOW Very weak blow, died in 15 minutes on initial flow period. No blow on final flow period.

Did Well Flow - Yes X No Recovery Total Ft. 30' mud.

Reversed Out - Yes X No Mud Type premix Viscosity 43 Weight 9.4 Water Loss 16.0 cc. Chlorides 25,000 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint - Jars: Size - In. Make - Ser. No. -

Dual Packer yes Did Packers Hold? yes Did Tool Plug? no Where? -

DRILLING CONTRACTOR Gabbert-Jones, Inc. Length Drill Pipe? 4210 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½FH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 248 Ft. I.D. Drill Collars 2¼ In.

Tool Joint Size 4½FH In. Length D.S.T. Tool 37 Ft.

Remarks:

WESTERN TESTING CO., INC.

Pressure Data

Date 6-2-77 Test Ticket No. 24808

Recorder No. 2603 Capacity 4400 Location 4444 Ft.

Clock No. 5665 Elevation 1992 Ground Level Well Temperature 125 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2291	P.S.I.	Open Tool 7:50 PM	
B First Initial Flow Pressure	36	P.S.I.	First Flow Pressure 30 Mins.	30 Mins.
C First Final Flow Pressure	33	P.S.I.	Initial Closed-in Pressure 30 Mins.	30 Mins.
D Initial Closed-in Pressure	33	P.S.I.	Second Flow Pressure 30 Mins.	30 Mins.
E Second Initial Flow Pressure	33	P.S.I.	Final Closed-in Pressure 45 Mins.	45 Mins.
F Second Final Flow Pressure	33	P.S.I.		
G Final Closed-in Pressure	33	P.S.I.		
H Final Hydrostatic Mud	2216	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	36
P 2 5	33
P 3 10	33
P 4 15	33
P 5 20	33
P 6 25	33
P 7 30	33
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 0 Min.

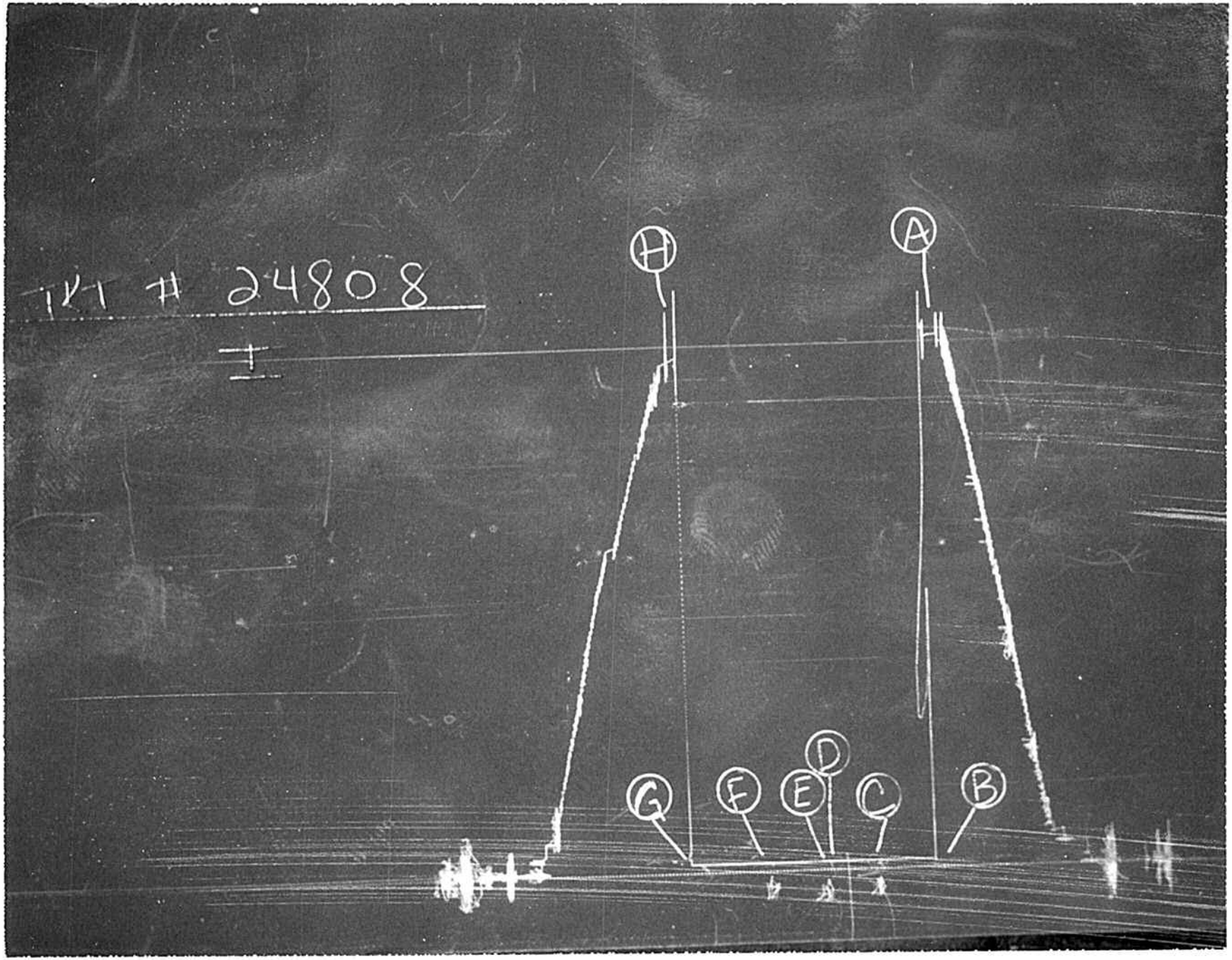
Point Minutes	Press.
0	33
3	33
6	33
9	33
12	33
15	33
18	33
21	33
24	33
27	33
30	33

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

Point Minutes	Press.
0	33
5	33
10	33
15	33
20	33
25	33
30	33

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

Point Minutes	Press.
0	33
3	33
6	33
9	33
12	33
15	33
18	33
21	33
24	33
27	33
30	33
33	33
36	33
39	33
42	33
45	33


IKI # 24808
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Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Texas Energies, Inc. Lease & Well No. Hess #1

Elevation 1992 Ground Level Formation Simpson Effective Pay - Ft. Ticket No. 24809

Date 6-3-77 Sec. 22 Twp. 28S Range 14W County Pratt State Kansas

Test Approved by James F. Dilts Western Representative Joe N. Lusk

Formation Test No. 5 O.K. X Misrun - Interval Tested From 4515' to 4548' Total Depth 4548'

Size Main Hole 77/8 Rat Hole - Conv. - B.T. X Damaged - Yes X No Conv. X B.T. - Damaged - Yes X No

Top Packer Depth 4510 Ft. Size 63/4 Bottom Packer Depth 4515 Ft. Size 6 3/4

Straddle - Conv. - B.T. - Damaged - Yes - No Packer Depth - Ft. Size -

Tool Size 5½ OD Tool Joint Size 4½ FH Anchor Length 33 Ft. Size 5½ OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4519 Ft. Clock No. 5665 Depth 4522 Ft. Clock No. 6894

Top Make Kuster Cap. 4400 No. 2603 Inside ~~Outside~~ Bottom Make Kuster Cap. 4000 No. 3660 ~~Inside~~ Outside

Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 2:08 P M

Tool Open I.F.P. From 2:10 PM. to 2:40 PM. - Hr. 30 Min. From (B) 38 P.S.I. To (C) 33 P.S.I.

Tool Closed I.C.I.P. From 2:40PM. to 3:10 PM. - Hr. 30 Min (D) 33 P.S.I.

Tool Open F.F.P. From 3:10 PM. to 3:40 PM. - Hr. 30 Min. From (E) 33 P.S.I. To (F) 33 P.S.I.

Tool Closed F.C.I.P. From 3:40PM. to 4:10 PM. - Hr. 30 Min. (G) 33 P.S.I.

Initial Hydrostatic Pressure (A) 2304 P.S.I. Final Hydrostatic Pressure (H) 2229 P.S.I. Maximum Temp. 124

INFORMATION

BLOW Very weak blow on initial flow period, died in 15 minutes. No blow on final flow period.

Did Well Flow - Yes X No Recovery Total Ft. 20' mud.

Reversed Out - Yes X No Mud Type premix Viscosity 44 Weight 9.3 Water Loss 22.4 cc. Chlorides 25,000 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint - Jars: Size - In. Make - Ser. No. -

Dual Packer yes Did Packers Hold? yes Did Tool Plug? no Where? -

DRILLING CONTRACTOR Gabbert - Jones, Inc. Length Drill Pipe? 4246 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½FH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 248 Ft. I.D. Drill Collars 2¼ In.

Tool Joint Size 4½H90 In. Length D.S.T. Tool 54 Ft.

Remarks:

WESTERN TESTING CO., INC.

Pressure Data

Date 6-3-77 Test Ticket No. 24809

Recorder No. 2603 Capacity 4400 Location 4519 Ft.

Clock No. 5665 Elevation 1992 Kelly Bushing Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2304 P.S.I.	Open Tool	2:08 PM	
B First Initial Flow Pressure	38 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	33 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	33 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	33 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	33 P.S.I.			
G Final Closed-in Pressure	33 P.S.I.			
H Final Hydrostatic Mud	2229 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	38
P 2 5	33
P 3 10	33
P 4 15	33
P 5 20	33
P 6 25	33
P 7 30	33
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 0 Min.

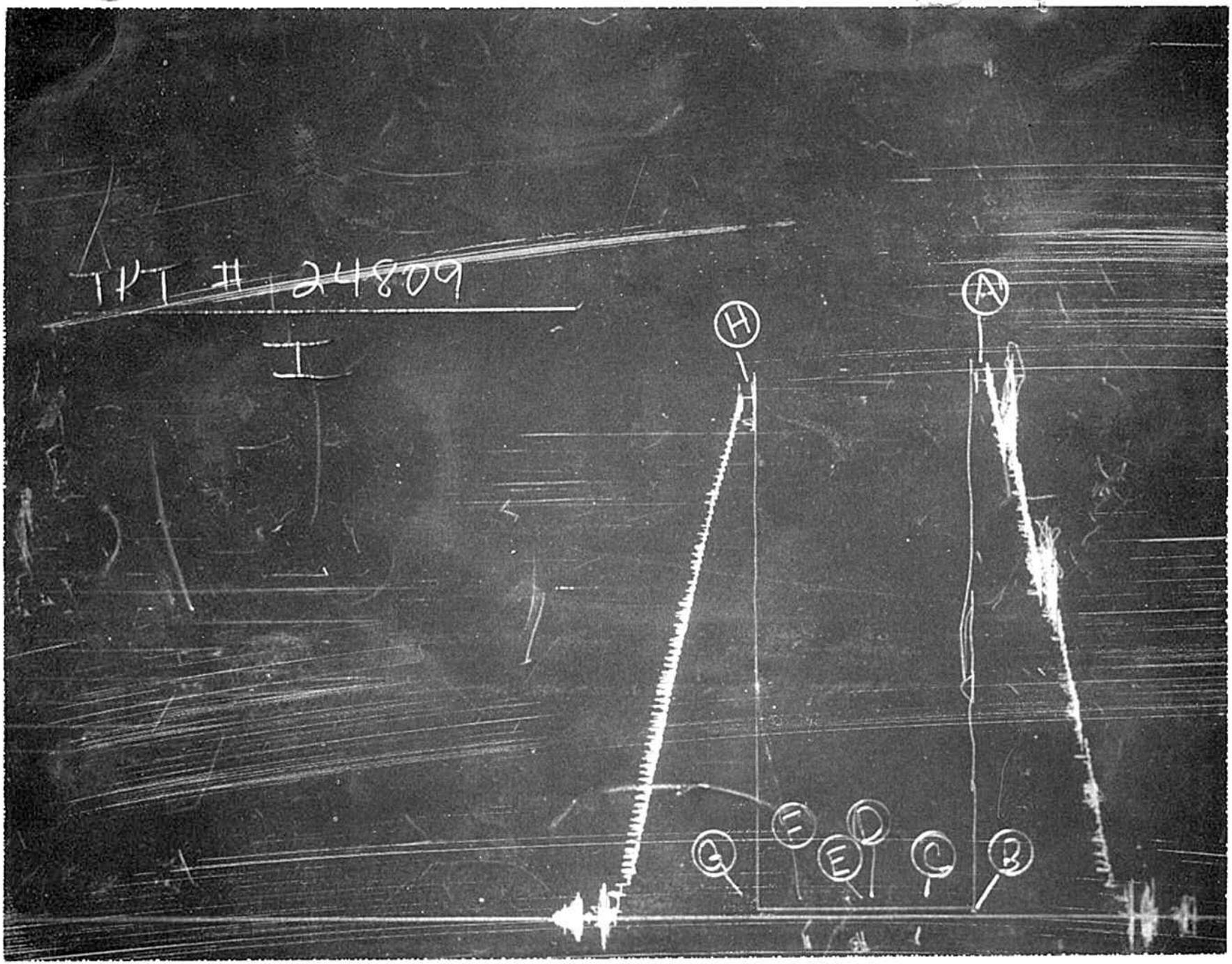
Point Minutes	Press.
0	33
3	33
6	33
9	33
12	33
15	33
18	33
21	33
24	33
27	33
30	33

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

Point Minutes	Press.
0	33
5	33
10	33
15	33
20	33
25	33
30	33

Final Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	33
3	33
6	33
9	33
12	33
15	33
18	33
21	33
24	33
27	33
30	33


TPT # 24809
工
H
A
G
F
E
D
C
B