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

Company J. A. Allison — Lease & Well No. Miskimen#1

Elevation 1879 Kelly Bushing — Formation Kansas City — Effective Pay -- Ft. — Ticket No. 1156

Date 11/4/78 — Sec. 25 — Twp. 26S — Range 12W — County Pratt — State Kansas

Test Approved by Robert E. McCann — Western Representative Rod Tritt

Formation Test No. 1 — Interval Tested from 3634' ft. to 3658' ft. — Total Depth 3658' ft.

Packer Depth 3629 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 3634 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 3638 ft. — Recorder Number 2604 — Cap. 4150

Bottom Recorder Depth (Outside) 3641 ft. — Recorder Number 2606 — Cap. 4150

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

Drilling Contractor Eagle Drilling Company, Inc. — Drill Collar Length - — I. D. - in.

Mud Type — Viscosity 34 — Weight Pipe Length 600 — I. D. 2½ in.

Weight 9.4 — Water Loss 60 cc. — Drill Pipe Length 3013 — I. D. 3.8 in.

Chlorides 20,000 P.P.M. — Test Tool Length 44 in. — Tool Size 5½OD in.

Jars: Make No — Serial Number - — Anchor Length 24 ft. — Size 5½OD 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 4½FH in.

Blow: Strong blow throughout initial flow period. Gas to surface in 5 minutes into final flow.
See attached sheet for gas measurements.

Recovered 120 ft. of slightly oil and gas cut mud

Recovered 60 ft. of heavy oil and gas cut watery mud

Recovered 60 ft. of mud and gas cut watery oil

Recovered 60 ft. of oil cut water

Recovered ft. of

Remarks: Pulled tool loose to add another joint.
Read outside recorder # 2606.

Time Set Packer(s) 3:10 ~~A.M.~~ ~~P.M.~~ — Time Started Off Bottom 5:55 ~~A.M.~~ ~~P.M.~~ — Maximum Temperature 126

Initial Hydrostatic Pressure		(A) 1760	P.S.I.	
Initial Flow Period	Minutes 30	(B) 112	P.S.I. to (C) 87	P.S.I.
Initial Closed In Period	Minutes 30	(D) 1383	P.S.I.	
Final Flow Period	Minutes 60	(E) 104	P.S.I. to (F) 104	P.S.I.
Final Closed In Period	Minutes 45	(G) 1373	P.S.I.	
Final Hydrostatic Pressure		(H) 1748	P.S.I.	

Phone 316 262-5861
316 838-0601

WESTERN

P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Date 11/4/78 Ticket 1156 Company J. A. Allison

Well Name and No. Miskimen #1 Dst No. 1 Interval Tested 3634'-3658'

County Pratt State Kansas Sec. 25 Twp. 26S Rg. 12W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
			PRE FLOW			
3:10AM						Strong blow. No gas to surface
3:40AM						
			SECOND FLOW			
4:10						Tool open
4:15						Gas to surface
4:20	10 min.	6" of water	1/2" orifice			15,400 CFPD
	20 min.	8" of water	1/2" orifice			17,200 CFPD
	30 min.	10" of water	1/2" orifice			19,900 CFPD
	40 min.	8" of water	1/2" orifice			17,200 CFPD
	50 min.	8" of water	1/2" orifice			17,200 CFPD
5:10	60 min.	8" of water	1/2" orifice			17,200 CFPD

GAS BOTTLE

Serial No. ------ Date Bottle Filled ------ Date to be Invoiced 11/4/78

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of $75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME J. A. Allison

Authorized by Robert E. McCann

FORM WTC 6

WESTERN TESTING CO., INC.
Pressure Data

Date 11-4-78 Test Ticket No. 1156

Recorder No. 2606 Capacity 4150 Location 3641 Ft.

Clock No. - Elevation 1879 Kelly Bushing Well Temperature 126 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1760 P.S.I.		Open Tool	3:10A. M	
B	First Initial Flow Pressure	112 P.S.I.		First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	87 P.S.I.		Initial Closed-in Pressure	30 Mins.	36 Mins.
D	Initial Closed-in Pressure	1383 P.S.I.		Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	104 P.S.I.		Final Closed-in Pressure	45 Mins.	48 Mins.
F	Second Final Flow Pressure	116 P.S.I.				
G	Final Closed-in Pressure	1373 P.S.I.				
H	Final Hydrostatic Mud	1748 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	112
P 2	5	87
P 3	10	79
P 4	15	79
P 5	20	81
P 6	25	83
P 7	30	87
P 8		
P 9		
P10		
P11		
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

Initial Shut-In
Breakdown: 12 Inc. of 3 mins. and a final inc. of 0 Min.

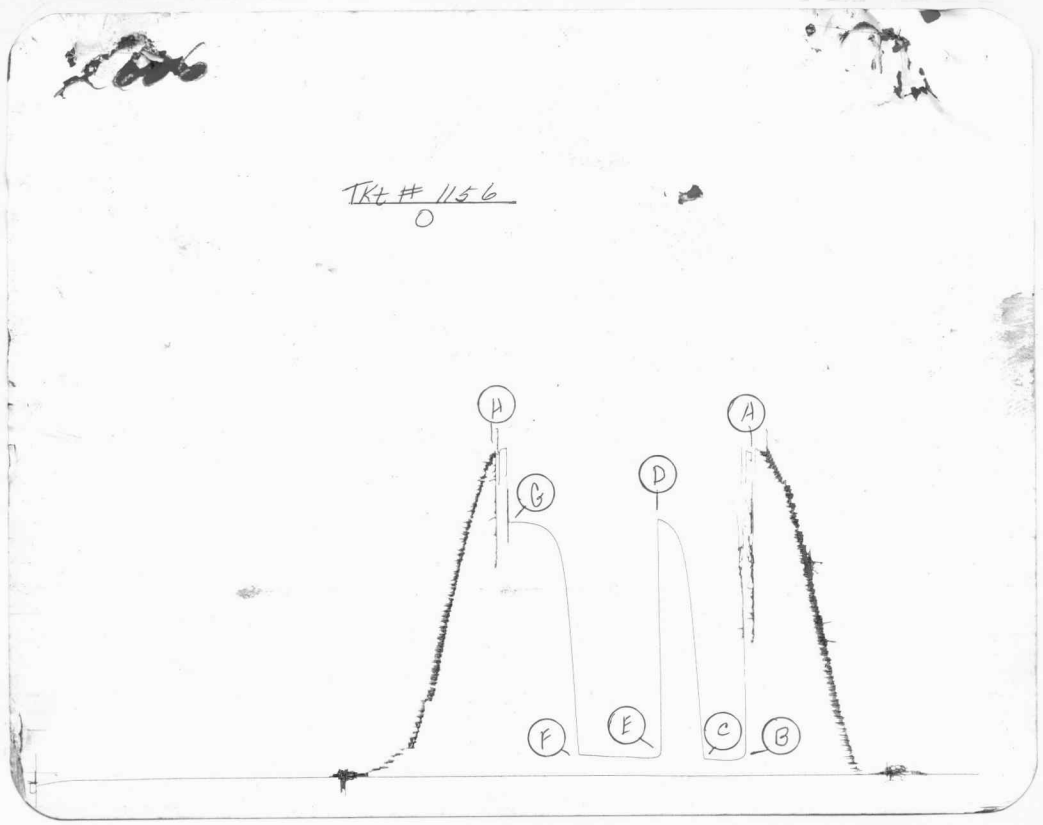
Point	Minutes	Press.
	0	87
	3	239
	6	500
	9	746
	12	990
	15	1161
	18	1250
	21	1300
	24	1331
	27	1352
	30	1356
	33	1377
	36	1383

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

Point	Minutes	Press.
	0	104
	5	98
	10	96
	15	98
	20	102
	25	102
	30	102
	35	102
	40	102
	45	106
	50	110
	55	112
	60	116

Final Shut-In
Breakdown: 16 Inc. of 3 mins. and a final inc. of 0 Min.

Point	Minutes	Press.
	0	116
	3	404
	6	719
	9	971
	12	1132
	15	1230
	18	1275
	21	1309
	24	1323
	27	1342
	30	1354
	33	1361
	36	1365
	39	1369
	42	1373
	45	1371
	48	1373



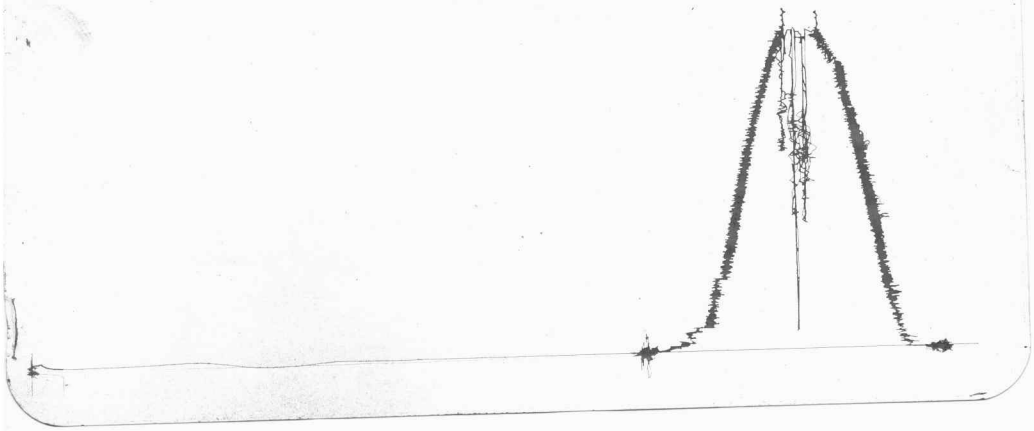
This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1789	1760	PSI
(B)	First Initial Flow Pressure	106	112	PSI
(C)	First Final Flow Pressure	85	87	PSI
(D)	Initial Closed-in Pressure	1401	1383	PSI
(E)	Second Initial Flow Pressure	90	104	PSI
(F)	Second Final Flow Pressure	106	104	PSI
(G)	Final Closed-in Pressure	1401	1373	PSI
(H)	Final Hydrostatic Mud	1768	1748	PSI

COMPANY J. A. ALLISON LEASE AND WELL NO. MISKIMEN #1 SEC. 25 TWP. 26S RGE. 12W TEST NO. 1 DATE 11/4/78

2684

TKt # 1156
I



WESTERN TESTERS

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

Company J. A. Allison — Lease & Well No. Miskimen #1

Elevation 1879 Kelly Bushing — Formation Toronto — Effective Pay -- Ft. — Ticket No. 1157

Date 11/4/78 — Sec. 25 — Twp. 26S — Range 12W — County Pratt — State Kansas

Test Approved by Robert E. McCann — Western Representative Rod Tritt

Formation Test No. 2 — Interval Tested from 3415' ft. to 3448' ft. — Total Depth 3677' ft.

Packer Depth 3415 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 3448 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3418 ft. — Recorder Number 2604 — Cap. 4150

Bottom Recorder Depth (Outside) 3421 ft. — Recorder Number 2606 — Cap. 4150

Below Straddle Recorder Depth 3676 ft. — Recorder Number WTC — Cap. -

Drilling Contractor Eagle Drilling Company — Drill Collar Length - — I. D. - in.

Mud Type premix drispac — Viscosity 39 — Weight Pipe Length 610 — I. D. 2½ in.

Weight 9.2 — Water Loss 15.4 cc. — Drill Pipe Length 3005 — I. D. 3.8 in.

Chlorides 23,000 P.P.M. — Test Tool Length 62 in. — Tool Size 5½OD in.

Jars: Make No — Serial Number - — Anchor Length 33 ft. — Size 5½OD 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 4½FH in.

Blow: Light blow throughout both initial and final flow periods.

Recovered 82 ft. of slightly oil and gas cut watery mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 6:45 ~~A.M.~~ P.M. — Time Started Off Bottom 9:30 ~~A.M.~~ P.M. — Maximum Temperature 112

Initial Hydrostatic Pressure		(A) 1662	P.S.I.	
Initial Flow Period	Minutes 30	(B) 43	P.S.I. to (C) 28	P.S.I.
Initial Closed In Period	Minutes 30	(D) 717	P.S.I.	
Final Flow Period	Minutes 60	(E) 96	P.S.I. to (F) 49	P.S.I.
Final Closed In Period	Minutes 45	(G) 816	P.S.I.	
Final Hydrostatic Pressure		(H) 1624	P.S.I.	

WESTERN TESTING CO., INC.
Pressure Data

Date 11-4-78 Test Ticket No. 1157

Recorder No. 2604 Capacity 4150 Location 3418 Ft.

Clock No. - Elevation 1879 Kelly Bushing Well Temperature 112 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1662 P.S.I.	Open Tool	6:45P. M	
B First Initial Flow Pressure	43 P.S.I.	First Flow Pressure	30 Mins.	40 Mins.
C First Final Flow Pressure	28 P.S.I.	Initial Closed-in Pressure	30 Mins.	33 Mins.
D Initial Closed-in Pressure	717 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	96 P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
F Second Final Flow Pressure	49 P.S.I.			
G Final Closed-in Pressure	816 P.S.I.			
H Final Hydrostatic Mud	1624 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	43
P 2 5	32
P 3 10	32
P 4 15	31
P 5 20	30
P 6 25	29
P 7 30	28
P 8 35	28
P 9 40	28
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 11 Inc. of 3 mins. and a final inc. of 0 Min.

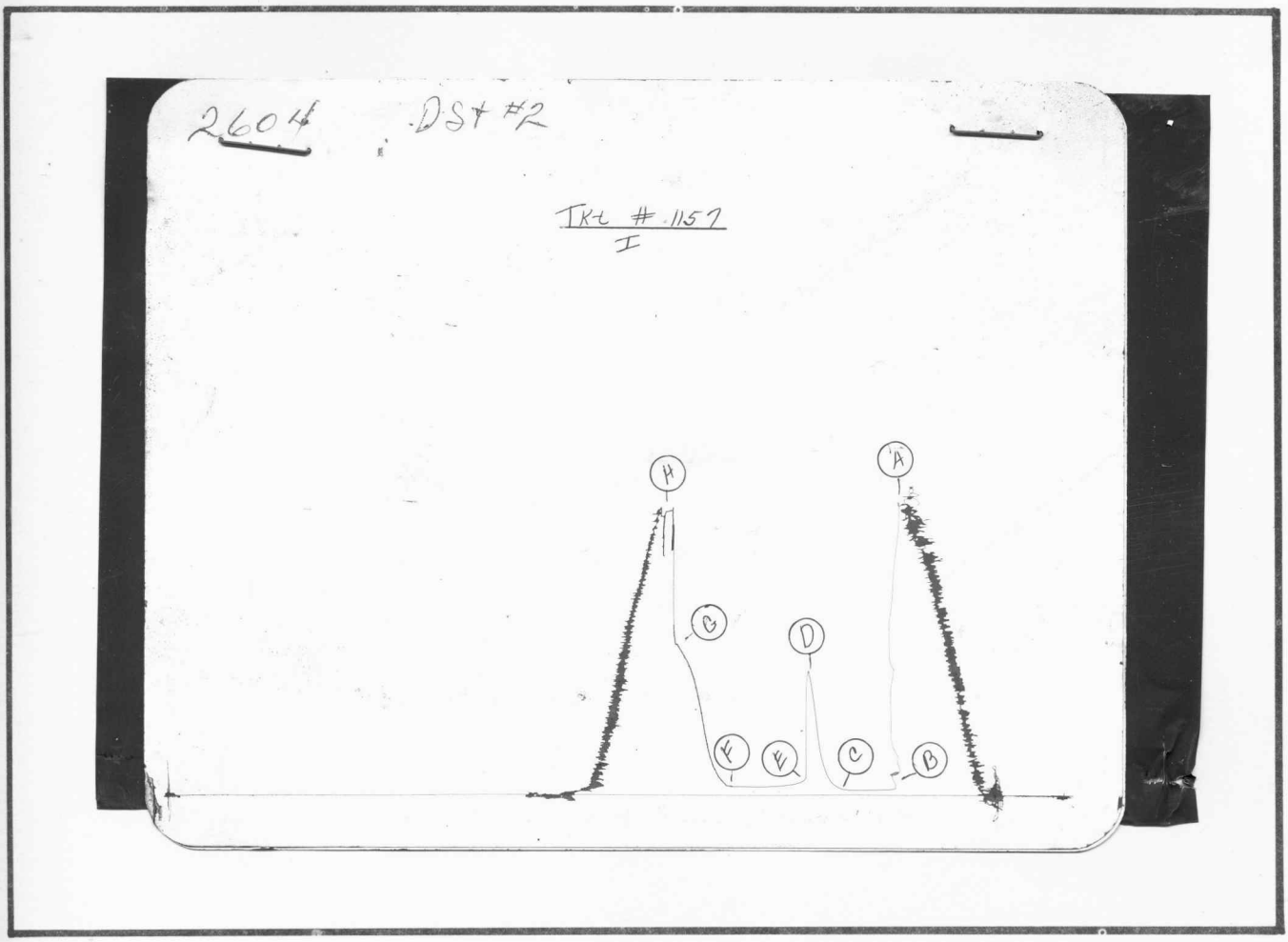
Point Minutes	Press.
0	28
3	34
6	38
9	53
12	72
15	104
18	151
21	230
24	376
27	544
30	644
33	717

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

Point Minutes	Press.
0	96
5	68
10	62
15	55
20	51
25	49
30	49
35	49
40	49
45	49
50	49
55	49
60	49

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

Point Minutes	Press.
0	49
3	70
6	89
9	134
12	183
15	247
18	331
21	442
24	552
27	640
30	701
33	753
36	793
39	834
42	864
45	864



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1632	1662	PSI
(B)	First Initial Flow Pressure	53	43	PSI
(C)	First Final Flow Pressure	31	28	PSI
(D)	Initial Closed-in Pressure	721	717	PSI
(E)	Second Initial Flow Pressure	63	96	PSI
(F)	Second Final Flow Pressure	53	49	PSI
(G)	Final Closed-in Pressure	846	816	PSI
(H)	Final Hydrostatic Mud	1632	1624	PSI

COMPANY J. A. ALLISON LEASE AND WELL NO. MISKIMEN #1 SEC. 25 TWP. 26S RGE. 12W TEST NO. 2 DATE 11/4/78

WESTERN TESTERS

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

Company J. A. Allison — Lease & Well No. Miskimen #1

Elevation 1879 Kelly Bushing — Formation Lansing — Effective Pay -- Ft. — Ticket No. 1158

Date 11/5/78 — Sec. 25 — Twp. 26S — Range 12W — County Pratt — State Kansas

Test Approved by Robert E. McCann — Western Representative Rod Tritt

Formation Test No. 3 — Interval Tested from 3684' ft. to 3728' ft. — Total Depth 3728' ft.

Packer Depth 3679 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 3684 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 3687 ft. — Recorder Number 2604 — Cap. 4150

Bottom Recorder Depth (Outside) 3690 ft. — Recorder Number 2606 — Cap. 4150

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

Drilling Contractor Eagle Drilling Company — Drill Collar Length - — I. D. - in.

Mud Type premix dispers — Viscosity 39 — Weight Pipe Length 610 — I. D. 2½ in.

Weight 9.2 — Water Loss 14.2 cc. — Drill Pipe Length 3053 — I. D. 3.8 in.

Chlorides 27,000 P.P.M. — Test Tool Length 65 in. — Tool Size 5½OD in.

Jars: Make No — Serial Number - — Anchor Length 44 ft. — Size 5½OD 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 4½FH in.

Blow: Strong blow throughout test. No gas to surface. (Weak building to strong blow after venting through 2" blow line)

Recovered 480 ft. of gas in pipe

Recovered 80 ft. of slightly oil cut thin mud

Recovered 60 ft. of muddy water

Recovered ft. of

Recovered ft. of

Remarks: Hit two bridges going into hole with tool; tool slipped right on through.

Time Set Packer(s) 9:42 ~~A.M.~~ ~~P.M.~~ = Time Started Off Bottom 12:30 ~~A.M.~~ P.M. — Maximum Temperature 118

Initial Hydrostatic Pressure		(A) 1781 P.S.I.		
Initial Flow Period	Minutes 30	(B) 87 P.S.I.	to (C) 43 P.S.I.	
Initial Closed In Period	Minutes 30	(D) 962 P.S.I.		
Final Flow Period	Minutes 60	(E) 96 P.S.I.	to (F) 51 P.S.I.	
Final Closed In Period	Minutes 45	(G) 1031 P.S.I.		
Final Hydrostatic Pressure		(H) 1742 P.S.I.		

WESTERN TESTING CO., INC.
Pressure Data

Date 11-5-78 Test Ticket No. 1158

Recorder No. 2604 Capacity 4150 Location 3687 Ft.

Clock No. - Elevation 1879 Kelly Bushing Well Temperature 118 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1781 P.S.I.	Open Tool	9:42A. M	
B First Initial Flow Pressure	87 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	43 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	962 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	96 P.S.I.	Final Closed-in Pressure	45 Mins.	48 Mins.
F Second Final Flow Pressure	51 P.S.I.			
G Final Closed-in Pressure	1031 P.S.I.			
H Final Hydrostatic Mud	1742 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	87
P 2 5	62
P 3 10	51
P 4 15	45
P 5 20	43
P 6 25	43
P 7 30	43
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.

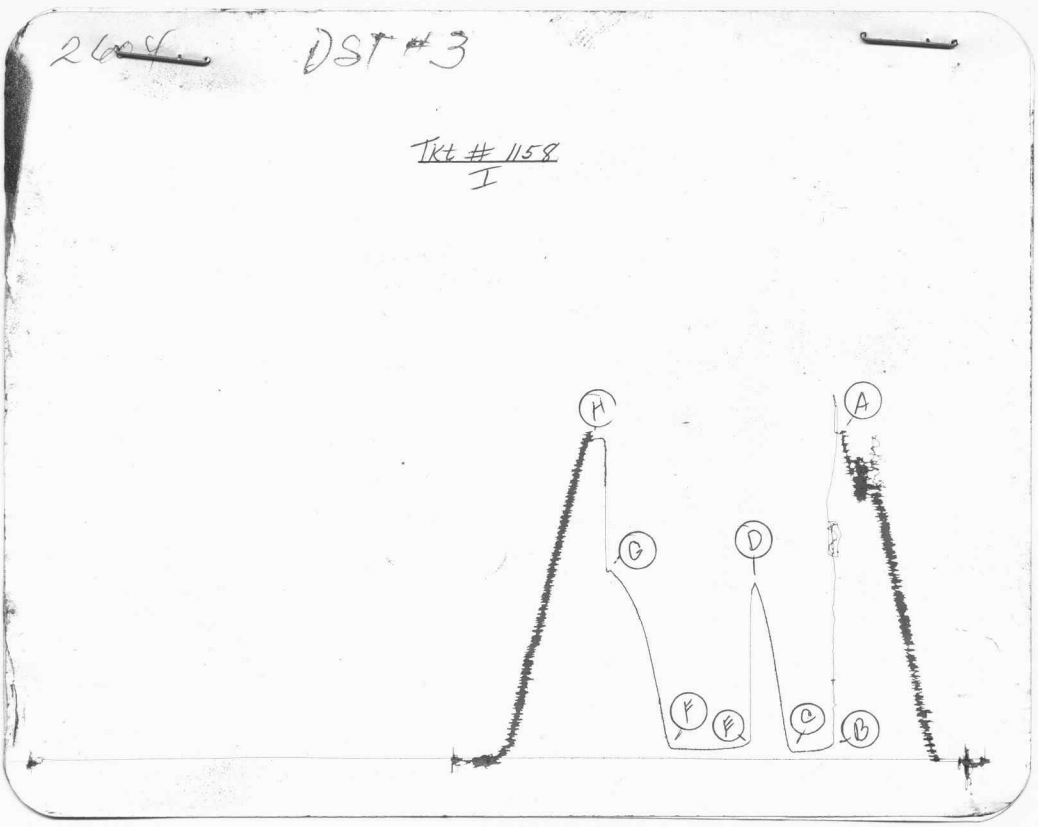
Point Minutes	Press.
0	43
3	72
6	170
9	299
12	431
15	540
18	640
21	738
24	822
27	895
30	962

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

Point Minutes	Press.
0	96
5	70
10	62
15	58
20	53
25	51
30	51
35	51
40	51
45	51
50	51
55	51
60	51

Final Shut-In
Breakdown: 16 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	51
3	81
6	160
9	284
12	376
15	474
18	563
21	655
24	726
27	778
30	832
33	878
36	914
39	950
42	977
45	1004
48	1031



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1768	1781	PSI
(B)	First Initial Flow Pressure	74	87	PSI
(C)	First Final Flow Pressure	42	43	PSI
(D)	Initial Closed-in Pressure	972	962	PSI
(E)	Second Initial Flow Pressure	74	96	PSI
(F)	Second Final Flow Pressure	53	51	PSI
(G)	Final Closed-in Pressure	1035	1031	PSI
(H)	Final Hydrostatic Mud	1747	1742	PSI

COMPANY J. A. ALLISON
LEASE AND WELL NO. MESKIMEN #1
SEC. 25 TWP. 26S RGE. 12W
TEST NO. 3 DATE 11/5/78

WESTERN TESTERS

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

Company J. A. Allison | Lease & Well No. Miskimen #1

Elevation 1879 Kelly Bushing | Formation Lansing | Effective Pay -- Ft. | Ticket No. 1159

Date 11/6/78 | Sec. 25 | Twp. 26S | Range 12W | County Pratt | State Kansas

Test Approved by Robert E. MCCann | Western Representative Rod Tritt

Formation Test No. 4 | Interval Tested from 3766' ft. to 3802' ft. | Total Depth 3802' ft.

Packer Depth 3761 ft. | Size 6 3/4 in. | Packer Depth - ft. | Size - in.

Packer Depth 3766 ft. | Size 6 3/4 in. | Packer Depth - ft. | Size - in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 3769 ft. | Recorder Number 2604 | Cap. 4150

Bottom Recorder Depth (Outside) 3772 ft. | Recorder Number 2606 | Cap. 4150

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

Drilling Contractor Eagle Drilling Company | Drill Collar Length - | I. D. - in.

Mud Type drispac | Viscosity 52 | Weight Pipe Length 610 | I. D. 2½ in.

Weight 9.1 | Water Loss 6.2 cc. | Drill Pipe Length | I. D. 3.8 in.

Chlorides 38,000 P.P.M. | Test Tool Length 57 in. | Tool Size 5½OD in.

Jars: Make No | Serial Number - | Anchor Length 36 ft. | Size 5½ in.

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

Main Hole Size 7 7/8 in. | Tool Joint Size 4½FH in.

Blow: Weak blow building to strong blow in 20 minutes on initial flow. Strong blow on final flow -(Wouldn't maintain 2" flow)

Recovered 60 ft. of gas in pipe

Recovered 50 ft. of slightly oil spotted drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Tool pulled hard coming out;10 stands Shale stuck in donut rubbed on bob tail packer

Time Set Packer(s) 4:35 A.M. ~~P.M.~~ | Time Started Off Bottom 7:30 A.M. ~~P.M.~~ | Maximum Temperature 119

Initial Hydrostatic Pressure ..... (A) 1855 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 92 P.S.I. to (C) 34 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 218 P.S.I.

Final Flow Period ..... Minutes 60 (E) 85 P.S.I. to (F) 30 P.S.I.

Final Closed In Period ..... Minutes 45 (G) 483 P.S.I.

Final Hydrostatic Pressure ..... (H) 1851 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 11/6/78 Test Ticket No. 1159

Recorder No. 2604 Capacity 4150 Location 3769 Ft.

Clock No. -- Elevation 1879 Kelly Bushing Well Temperature 119 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1855 P.S.I.		Open Tool	4:35A M	
B	First Initial Flow Pressure	92 P.S.I.		First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	34 P.S.I.		Initial Closed-in Pressure	30 Mins.	30 Mins.
D	Initial Closed-in Pressure	218 P.S.I.		Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	85 P.S.I.		Final Closed-in Pressure	45 Mins.	45 Mins.
F	Second Final Flow Pressure	30 P.S.I.				
G	Final Closed-in Pressure	483 P.S.I.				
H	Final Hydrostatic Mud	1851 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	92
P 2	5	58
P 3	10	47
P 4	15	40
P 5	20	36
P 6	25	34
P 7	30	34
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.

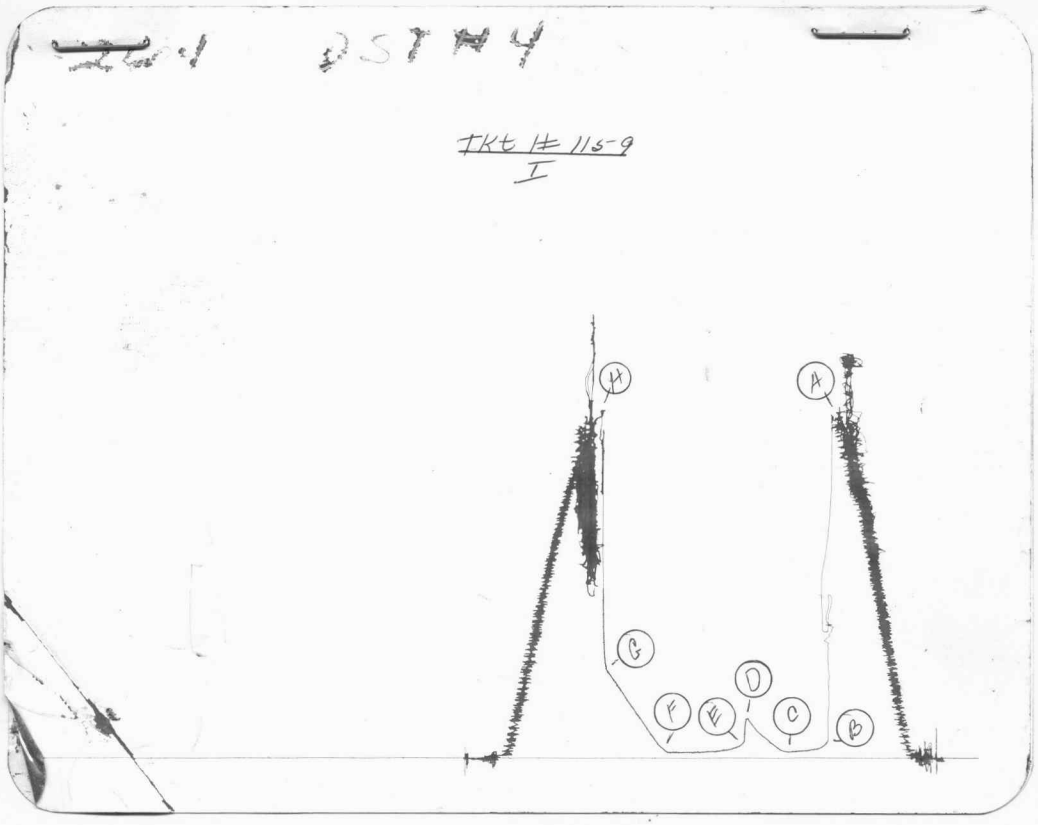
Point	Minutes	Press.
P 1	0	34
P 2	3	38
P 3	6	51
P 4	9	70
P 5	12	81
P 6	15	107
P 7	18	121
P 8	21	141
P 9	24	166
P10	27	196
P11	30	218
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

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

Point	Minutes	Press.
P 1	0	85
P 2	5	58
P 3	10	47
P 4	15	40
P 5	20	34
P 6	25	32
P 7	30	30
P 8	35	28
P 9	40	28
P10	45	28
P11	50	29
P12	55	30
P13	60	30
P14		
P15		
P16		
P17		
P18		
P19		
P20		

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

Point	Minutes	Press.
P 1	0	30
P 2	3	38
P 3	6	62
P 4	9	85
P 5	12	117
P 6	15	151
P 7	18	183
P 8	21	215
P 9	24	241
P10	27	277
P11	30	307
P12	33	340
P13	36	369
P14	39	404
P15	42	447
P16	45	483
P17		
P18		
P19		
P20		



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1842	1855	PSI
(B)	First Initial Flow Pressure	63	92	PSI
(C)	First Final Flow Pressure	31	34	PSI
(D)	Initial Closed-in Pressure	213	218	PSI
(E)	Second Initial Flow Pressure	53	85	PSI
(F)	Second Final Flow Pressure	21	30	PSI
(G)	Final Closed-in Pressure	480	483	PSI
(H)	Final Hydrostatic Mud	1842	1851	PSI

COMPANY J. A. ALLISON LEASE AND WELL NO. MISKIMEN #1 SEC. 25 TWP. 26S RGE. 12W TEST NO. 4 DATE 11/6/78

WESTERN TESTERS

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

Company J. A. Allison Lease & Well No. Miskimen #1

Elevation 1879 Kelly Bushing Formation Lansing (K.C.) Effective Pay -- Ft. Ticket No. 1160

Date 11/6/78 Sec. 25 Twp. 26S Range 12W County Pratt State Kansas

Test Approved by Robert E. McCann Western Representative Rod Tritt

Formation Test No. 5 Interval Tested from 3801' ft. to 3835' ft. Total Depth 3835' ft.

Packer Depth 3796 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3801 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 3804 ft. Recorder Number 2604 Cap. 4150

Bottom Recorder Depth (Outside) 3807 ft. Recorder Number 2606 Cap. 4150

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

Drilling Contractor Eagle Drilling Company Drill Collar Length - I. D. - in.

Mud Type drispac Viscosity 40 Weight Pipe Length 610 I. D. 2½ in.

Weight 9.2 Water Loss 10.8 cc. Drill Pipe Length 3170 I. D. 3.8 in.

Chlorides 40,000 P.P.M. Test Tool Length 55' in. Tool Size 5½OD in.

Jars: Make No Serial Number - Anchor Length 34 ft. Size 5½OD 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 4½FH in.

Blow: Weak blow building to good blow on initial flow period. Good blow throughout final flow period. No Gas

Recovered 260 ft. of mud cut water

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Hit bridge 150' off bottom . Tool cleared.

Time Set Packer(s) 9:10 ~~A.M.~~ P.M. Time Started Off Bottom 11:10 ~~A.M.~~ P.M. Maximum Temperature 120

Initial Hydrostatic Pressure ..... (A) 1889 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 75 P.S.I. to (C) 100 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 1329 P.S.I.

Final Flow Period ..... Minutes 30 (E) 160 P.S.I. to (F) 162 P.S.I.

Final Closed In Period ..... Minutes 30 (G) 1269 P.S.I.

Final Hydrostatic Pressure ..... (H) 1857 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 11/6/78 Test Ticket No. 1160

Recorder No. 2606 Capacity 4150 Location 3804 Ft.

Clock No. -- Elevation 1879 Kelly Bushing Well Temperature 120 °F

Point	Pressure		Time Given	Time Computed
Initial Hydrostatic Mud	1889 P.S.I.	Open Tool	9:10P M	
First Initial Flow Pressure	75 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
First Final Flow Pressure	100 P.S.I.	Initial Closed-in Pressure	30 Mins.	36 Mins.
Initial Closed-in Pressure	1329 P.S.I.	Second Flow Pressure	30 Mins.	40 Mins.
Second Initial Flow Pressure	160 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
Second Final Flow Pressure	162 P.S.I.			
Final Closed-in Pressure	1269 P.S.I.			
Final Hydrostatic Mud	1857 P.S.I.			

PRESSURE BREAKDOWN

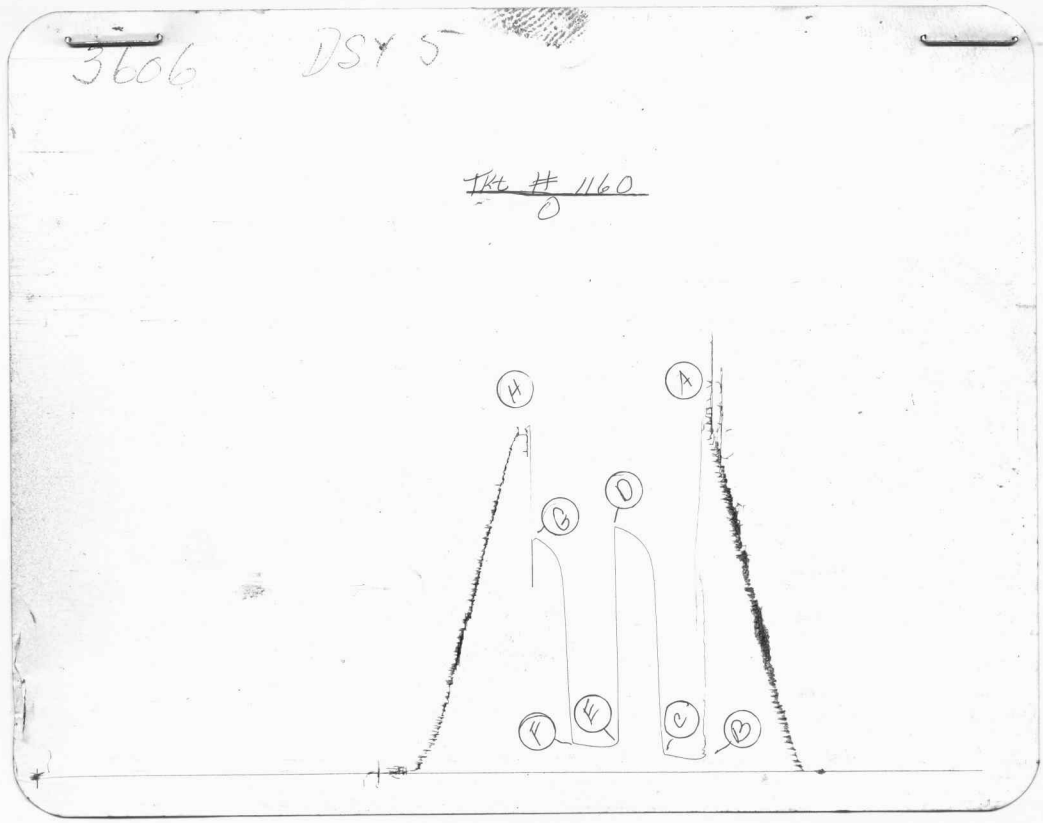
First Flow Pressure
Breakdown: 6 Inc. of 5 mins. and a final inc. of 0 Min.

Initial Shut-In
Breakdown: 12 Inc. of 3 mins. and a final inc. of 0 Min.

Second Flow Pressure
Breakdown: 8 Inc. of 5 mins. and a final inc. of 0 Min.

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

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
1 0	75	0	100	0	160	0	162
2 5	73	3	275	5	141	3	423
3 10	75	6	832	10	139	6	936
4 15	79	9	1124	15	144	9	1108
5 20	85	12	1193	20	148	12	1168
6 25	92	15	1226	25	150	15	1197
7 30	100	18	1255	30	152	18	1224
8		21	1275	35	156	21	1240
9		24	1290	40	162	24	1255
10		27	1300			27	1269
11		30	1311			30	1269
12		33	1319				
13		36	1329				
14							
15							
16							
17							
18							
19							
20							



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1894	1889	PSI
(B)	First Initial Flow Pressure	74	75	PSI
(C)	First Final Flow Pressure	85	100	PSI
(D)	Initial Closed-in Pressure	1328	1329	PSI
(E)	Second Initial Flow Pressure	127	160	PSI
(F)	Second Final Flow Pressure	138	162	PSI
(G)	Final Closed-in Pressure	1265	1269	PSI
(H)	Final Hydrostatic Mud	1847	1857	PSI

COMPANY J. A. ALLISON LEASE AND WELL NO. MISKIMEN #1 SEC. 25 TWP. 26S RGE. 12W TEST NO. 5 DATE 11/6/78

WESTERN TESTERS

Home Office: Wichita, Kansas 67201

P. O. Box 1599 (316) 838-0601

Company J. A. Allison Lease & Well No. Miskimen #1

Elevation 1879 Kelly Bushing Formation Base K. C. Effective Pay -- Ft. Ticket No. 1161

Date 11/7/78 Sec. 25 Twp. 26S Range 12W County Pratt State Kansas

Test Approved by Robert E. McCann Western Representative Rod Tritt

Formation Test No. 6 Interval Tested from 3852' ft. to 3919 ft. Total Depth 3919 ft.

Packer Depth 3847 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3852 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 3856 ft. Recorder Number 2604 Cap. 4150

Bottom Recorder Depth (Outside) 3859 ft. Recorder Number 2606 Cap. 4150

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

Drilling Contractor Eagle Drilling Company Drill Collar Length - I. D. - in.

Mud Type drispac Viscosity 401 Weight Pipe Length 610 I. D. 2½ in.

Weight 9.1 Water Loss 10.2 cc. Drill Pipe Length 3258 I. D. 3.8 in.

Chlorides 45,000 P.P.M. Test Tool Length 87 in. Tool Size 5½OD +6" in.

Jars: Make No Serial Number -- Anchor Length 67 ft. Size 5½OD & Drill colla

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 4½FH in.

Blow: WEak blow on the initial flow period. Good (4" into bucket) on final flow .No gas to surface.

Recovered 90 ft. of slightly oil cut drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Clock on Recorder #2604 stopped driving test.

Read outside chart

Time Set Packer(s) 3:25 ~~A.M.~~ P.M. Time Started Off Bottom 6:10 ~~A.M.~~ P.M. Maximum Temperature 120

Initial Hydrostatic Pressure ..... (A) 1903 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 77 P.S.I. to (C) 40 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 86 P.S.I.

Final Flow Period ..... Minutes 60 (E) 58 P.S.I. to (F) 48 P.S.I.

Final Closed In Period ..... Minutes 45 (G) 148 P.S.I.

Final Hydrostatic Pressure ..... (H) 1889 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 11/7/78 Test Ticket No. 1161

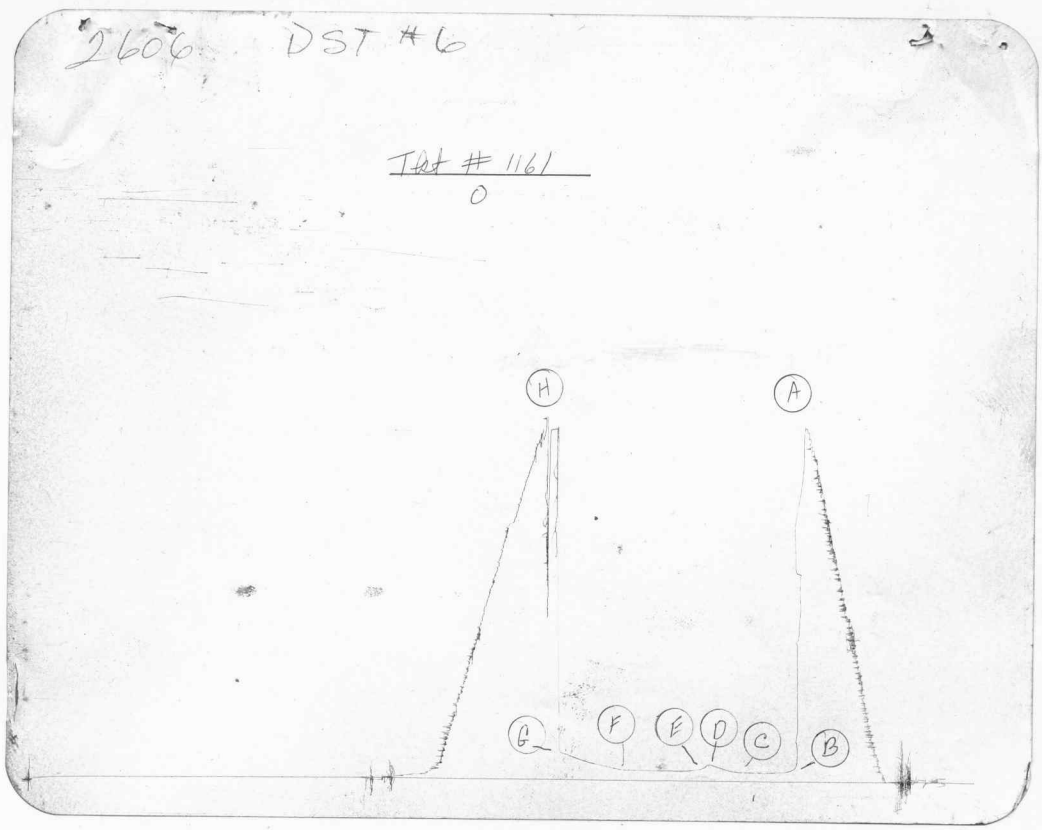
Recorder No. 2606 Capacity 4150 Location 3859 Ft.

Clock No. -- Elevation 1879 Kelly Bushing Well Temperature 120 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1903 P.S.I.	Open Tool	3:25P M	
B First Initial Flow Pressure	77 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	40 P.S.I.	Initial Closed-in Pressure	30 Mins.	33 Mins.
D Initial Closed-in Pressure	86 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	58 P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
F Second Final Flow Pressure	48 P.S.I.			
G Final Closed-in Pressure	148 P.S.I.			
H Final Hydrostatic Mud	1889 P.S.I.			

PRESSURE BREAKDOWN

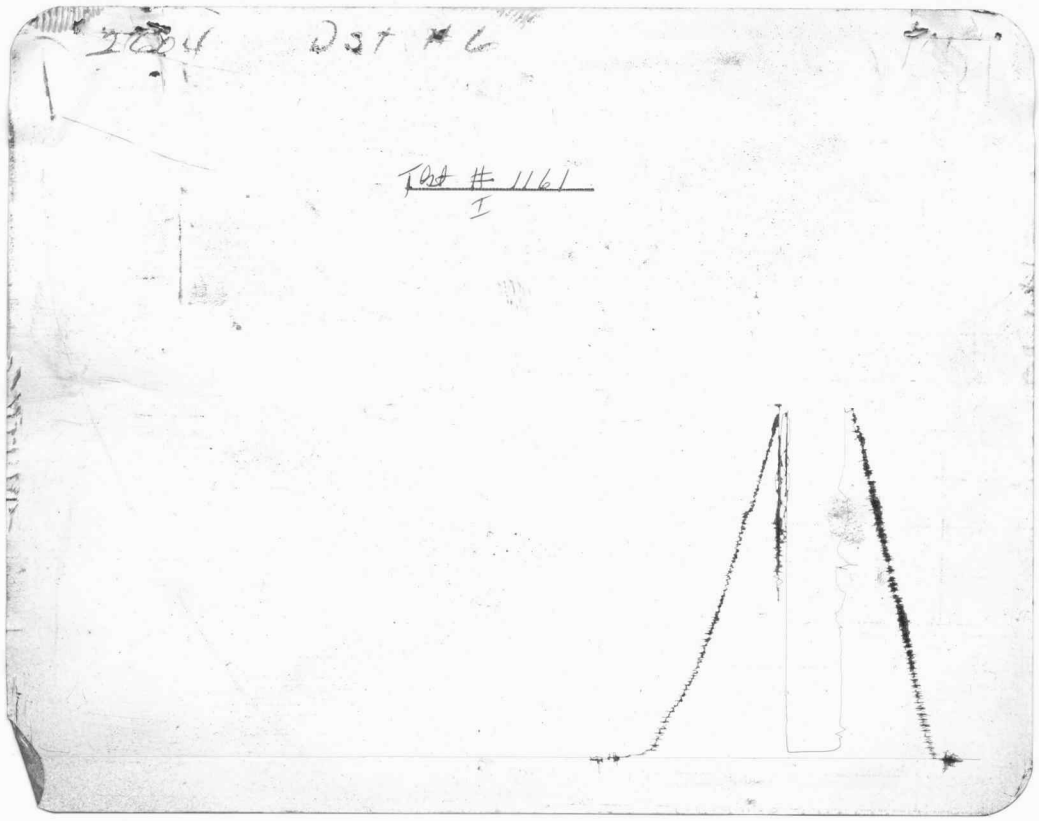
First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 6 Inc. of 5 mins. and a final inc. of 0 Min.		Breakdown: 11 Inc. of 3 mins. and a final inc. of 0 Min.		Breakdown: 12 Inc. of 5 mins. and a final inc. of 0 Min.		Breakdown: 15 Inc. of 3 mins. and a final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	77	0	40	0	58	0	48
P 2 5	50	3	40	5	54	3	50
P 3 10	44	6	40	10	52	6	58
P 4 15	42	9	40	15	48	9	64
P 5 20	40	12	40	20	48	12	69
P 6 25	40	15	46	25	48	15	73
P 7 30	40	18	50	30	48	18	77
P 8		21	56	35	48	21	85
P 9		24	62	40	48	24	89
P10		27	67	45	48	27	94
P11		30	75	50	48	30	100
P12		33	86	55	48	33	108
P13				60	48	36	116
P14						39	123
P15						42	131
P16						45	148
P17							
P18							
P19							
P20							



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1915	1903	PSI
(B)	First Initial Flow Pressure	53	77	PSI
(C)	First Final Flow Pressure	42	40	PSI
(D)	Initial Closed-in Pressure	85	86	PSI
(E)	Second Initial Flow Pressure	53	58	PSI
(F)	Second Final Flow Pressure	53	48	PSI
(G)	Final Closed-in Pressure	138	148	PSI
(H)	Final Hydrostatic Mud	1915	1889	PSI

COMPANY J. A. ALLISON LEASE AND WELL NO. MISKIMEN #1 SEC. 25 TWP. 26S RGE. 12W TEST NO. 6 DATE 11/7/78


Tbt # 1161
I

WESTERN TESTERS

Home Office: Wichita, Kansas 67201

P. O. Box 1599 (316) 838-0601

Company J. A. Allison — Lease & Well No. Miskimen #1

Elevation 1879 Kelly Bushing — Formation Viola — Effective Pay ----- Ft. — Ticket No. 1162

Date 11/8/78 — Sec. 13 — Twp. 26S — Range 12W — County Pratt — State Kansas

Test Approved by Robert E. McCann — Western Representative Rod Tritt

Formation Test No. 7 — Interval Tested from 4142' ft. to 4162' ft. — Total Depth 4162' ft.

Packer Depth 4137 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 4142 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 4144 ft. — Recorder Number 2604 — Cap. 4150

Bottom Recorder Depth (Outside) 4147 ft. — Recorder Number 2606 — Cap. 4150

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

Drilling Contractor Eagle Drilling Co. — Drill Collar Length - — I. D. - in.

Mud Type starch — Viscosity 40 — Weight Pipe Length 612 — I. D. 2½ in.

Weight 9.2 — Water Loss 16.0 cc. — Drill Pipe Length - — I. D. - in.

Chlorides 48,000 P.P.M. — Test Tool Length 41 in. — Tool Size 5½OD in.

Jets: Make No — Serial Number -- — Anchor Length 20 ft. — Size 5½OD 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 4½FH in.

Blow: Strong blow in five minutes on initial flow period. Strong blow for the rest of the test. No gas to surface.

Recovered 1030 ft. of faint gas smell in pipe

Recovered 223 ft. of mud cut water. some gas bubbles

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 10:25 ~~A.M.~~ P.M. — Time Started Off Bottom 1:10 A.M. ~~P.M.~~ — Maximum Temperature 123

Initial Hydrostatic Pressure ..... (A) 2006 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 55 P.S.I. to (C) 49 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 357 P.S.I.

Final Flow Period ..... Minutes 60 (E) 91 P.S.I. to (F) 96 P.S.I.

Final Closed In Period ..... Minutes 45 (G) 374 P.S.I.

Final Hydrostatic Pressure ..... (H) 2000 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 11/8/78 Test Ticket No. 1162

Recorder No. 2604 Capacity 4150 Location 4144 Ft.

Clock No. -- Elevation 1879 Kelly Bushing Well Temperature 123 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2006 P.S.I.	Open Tool	10:25P M	
B First Initial Flow Pressure	55 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	49 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	357 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	91 P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
F Second Final Flow Pressure	96 P.S.I.			
G Final Closed-in Pressure	374 P.S.I.			
H Final Hydrostatic Mud	2000 P.S.I.			

PRESSURE BREAKDOWN

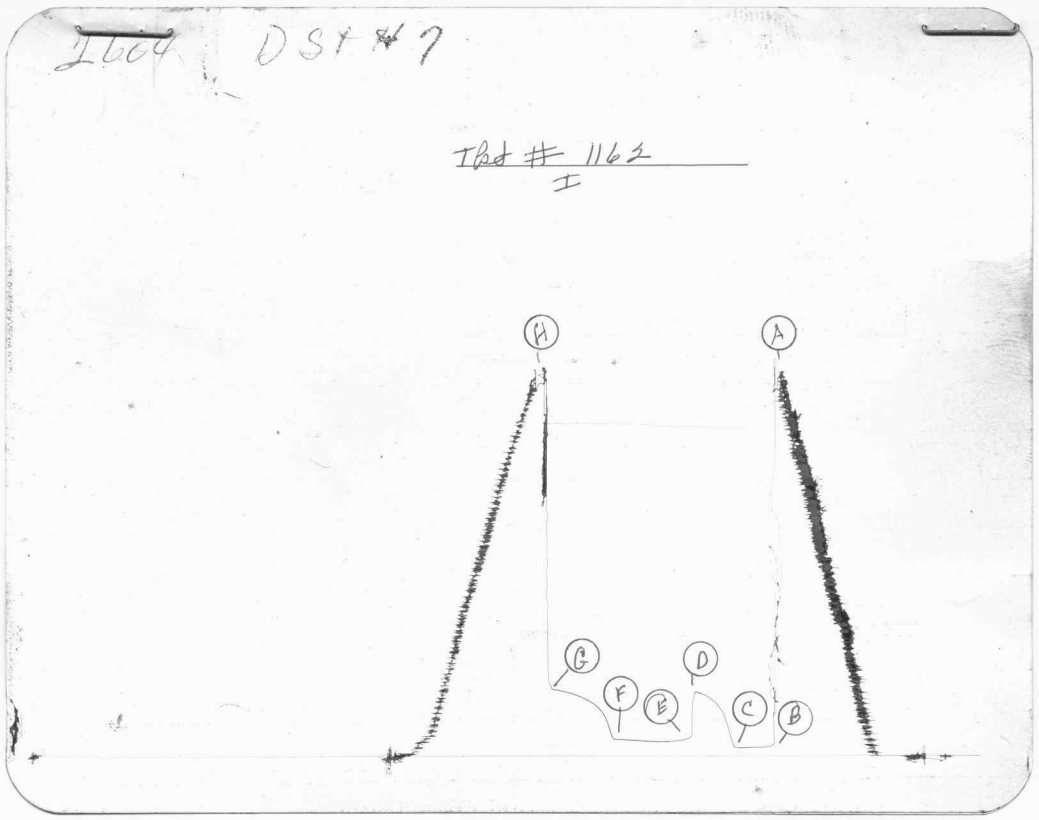
First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 10 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: 15 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	55	0	49	0	91	0	96
P 2 5	49	3	87	5	87	3	121
P 3 10	49	6	175	10	85	6	183
P 4 15	49	9	235	15	79	9	230
P 5 20	49	12	269	20	77	12	262
P 6 25	49	15	299	25	79	15	284
P 7 30	49	18	318	30	83	18	301
P 8		21	331	35	85	21	312
P 9		24	342	40	87	24	325
P10		27	348	45	89	27	335
P11		30	357	50	94	30	344
P12				55	95	33	350
P13				60	96	36	357
P14						39	363
P15						42	367
P16						45	374
P17							
P18							
P19							
P20							



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2000	2006	PSI
(B)	First Initial Flow Pressure	53	55	PSI
(C)	First Final Flow Pressure	42	49	PSI
(D)	Initial Closed-in Pressure	352	357	PSI
(E)	Second Initial Flow Pressure	85	91	PSI
(F)	Second Final Flow Pressure	85	96	PSI
(G)	Final Closed-in Pressure	363	374	PSI
(H)	Final Hydrostatic Mud	2000	2000	PSI

COMPANY J. A. ALLSION LEASE AND WELL NO. MISKIMEN #1 SEC. 13 TWP. 26S RGE. 12W TEST NO. 7 DATE 11/8/78

Home Office: Wichita, Kansas 67201

P. O. Box 1599 (316) 838-0601

Company J. A. Allison Lease & Well No. Miskimen #1

Elevation 1879 Kelly Bushing Formation ----- Effective Pay ------ Ft. Ticket No. 1163

Date 11/10/78 Sec. 13 Twp. 26S Range 12W County Pratt State Kansas

Test Approved by Robert E. McCann Western Representative Rod Tritt

Formation Test No. 8 Interval Tested from 4237 ft. to 4274 ft. Total Depth 4274 ft.

Packer Depth 4232 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4237 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 4240 ft. Recorder Number 2604 Cap. 4150

Bottom Recorder Depth (Outside) 4243 ft. Recorder Number 2606 Cap. 4150

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

Drilling Contractor Eagle Drilling Drill Collar Length - I. D. - in.

Mud Type starch Viscosity 40 Weight Pipe Length 612 I. D. 2½ in.

Weight 9.2 Water Loss 16.0 cc. Drill Pipe Length 3606 I. D. 3.8 in.

Chlorides 44,000 P.P.M. Test Tool Length 58ft. in. Tool Size 5½OD in.

Jars: Make No Serial Number - Anchor Length 37 ft. Size 5½OD 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 4½FH in.

Blow: Very weak blow on initial flow period. No blow on final flow period. Flushed tool on fubak flow period.

Recovered 15 ft. of drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Hit bridge at around 3359 spudded through.

Time Set Packer(s) 9:50 A.M. P.M. Time Started Off Bottom 11:50 A.M. P.M. Maximum Temperature 125

Initial Hydrostatic Pressure ..... (A) 2103 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 51 P.S.I. to (C) 21 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 14 P.S.I.

Final Flow Period ..... Minutes 30 (E) 62 P.S.I. to (F) 21 P.S.I.

Final Closed In Period ..... Minutes 30 (G) 245 P.S.I.

Final Hydrostatic Pressure ..... (H) 2065 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 11/10/78 Test Ticket No. 1163

Recorder No. 2604 Capacity 4150 Location 4240 Ft.

Clock No. -- Elevation 1879 Kelly Bushing Well Temperature 125 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2103 P.S.I.	Open Tool	9:50A M	
B First Initial Flow Pressure	51 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	21 P.S.I.	Initial Closed-in Pressure	30 Mins.	24 Mins.
D Initial Closed-in Pressure	14 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	62 P.S.I.	Final Closed-in Pressure	30 Mins.	33 Mins.
F Second Final Flow Pressure	21 P.S.I.			
G Final Closed-in Pressure	245 P.S.I.			
H Final Hydrostatic Mud	2065 P.S.I.			

PRESSURE BREAKDOWN

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

Point Mins.	Press.
1 0	51
2 5	38
3 10	32
4 15	26
5 20	21
6 25	21
7 30	21
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	

Initial Shut-In
Breakdown: 8 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	21
3	24
6	32
9	43
12	72
15	115
18	170
21	241
24	314
27	

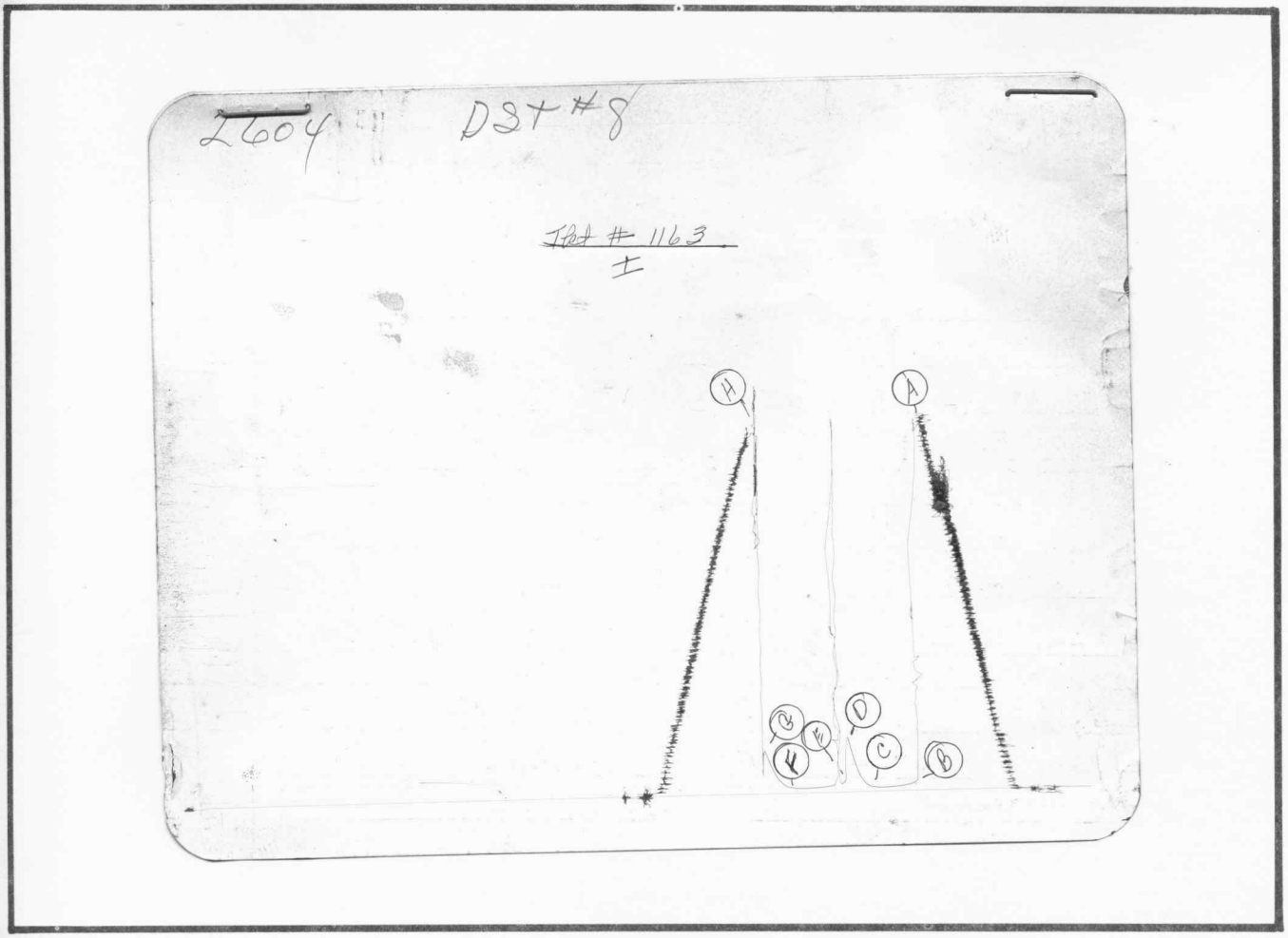
Second Flow Pressure
Breakdown: 6 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	62
5	flushed tool 43
10	34
15	30
20	26
25	23
30	21

Final Shut-In
Breakdown: 11 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	21
3	21
6	21
9	26
12	30
15	32
18	38
21	62
24	83
27	117
30	166
33	245

WTC - 4



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2105	2103	PSI
(B)	First Initial Flow Pressure	42	51	PSI
(C)	First Final Flow Pressure	21	21	PSI
(D)	Initial Closed-in Pressure	320	14	PSI
(E)	Second Initial Flow Pressure	31	62	PSI
(F)	Second Final Flow Pressure	21	21	PSI
(G)	Final Closed-in Pressure	245	245	PSI
(H)	Final Hydrostatic Mud	2085	2065	PSI

COMPANY J. A. ALLISON
LEASE AND WELL NO. MISKIMEN #1
SEC. 13 TWP. 26S RGE. 12W
TEST NO. 8 DATE 11/10/78