WELL FILE
DO NOT REMOVE

WESTERN TESTERS

Home Office: Wichita, Kansas 67201

P.O. Box 1599 (316) 262-5861

Company A. Scott Ritchie Lease & Well No. Urban "B"#1

Elevation 1957 Kelly Bushing Formation Lansing Effective Pay - Ft. Ticket No. 13676

Date 3/22/82 Sec. 6 Twp. 17S Range 14W County Barton State Kansas

Test Approved by Ray Goodin Western Representative Steve Eisenhour

Formation Test No. 1 Interval Tested from 3345 ft. to 3375 ft. Total Depth 3375 ft.

Packer Depth 3340 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3345 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3362 ft. Recorder Number 1564 Cap. 3150

Bottom Recorder Depth (Outside) 3365 ft. Recorder Number 4331 Cap. 4150

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

Drilling Contractor Murfin Drlg. Rig #15 Drill Collar Length 185 I. D. 2.2 in.

Mud Type starch Viscosity 40 Weight Pipe Length 883 I. D. 3.2 in.

Weight 9.9 Water Loss 20. cc. Drill Pipe Length 2257 I. D. 3.8 in.

Chlorides 80,000 P.P.M. Test Tool Length 20 ft. Tool Size 5½OD in.

Jars: Make No Serial Number - Anchor Length 30 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: Initial flow period very weak blow; died in eighteen minutes. Final flow period no blow; flushed tool five minutes into second flow; very weak blow one minue and died.

Recovered 5 ft. of drilling mud

Recovered ft. of Chlorides 64,000 ppm

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 12:35 ~~A.M.~~ P.M. Time Started Off Bottom 2:35 ~~A.M.~~ P.M. Maximum Temperature 105°

Initial Hydrostatic Pressure			(A) 1800	P.S.I.		
Initial Flow Period	Minutes 30	(B) 31	P.S.I. to	(C) 31	P.S.I.	
Initial Closed In Period	Minutes 33	(D) 42	P.S.I.			
Final Flow Period	Minutes 30	(E) 33	P.S.I. to	(F) 33	P.S.I.	
Final Closed In Period	Minutes 30	(G) 42	P.S.I.			
Final Hydrostatic Pressure			(H) 1784	P.S.I.		

WTC-

WESTERN TESTING CO., INC.
Pressure Data

Date 3/22/82 Test Ticket No. 13676

Recorder No. 1564 Capacity 3150 Location 3362 Ft.

Clock No. -- Elevation 1957 Kelly Bushing Well Temperature 105 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1800 P.S.I.	Open Tool		12:35P M	
B	First Initial Flow Pressure	31 P.S.I.	First Flow Pressure		30 Mins.	30 Mins.
C	First Final Flow Pressure	31 P.S.I.	Initial Closed-in Pressure		30 Mins.	33 Mins.
D	Initial Closed-in Pressure	42 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	42 P.S.I.				
H	Final Hydrostatic Mud	1784 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	31
P 2	5	31
P 3	10	31
P 4	15	31
P 5	20	31
P 6	25	31
P 7	30	31
P 8		
P 9		
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.

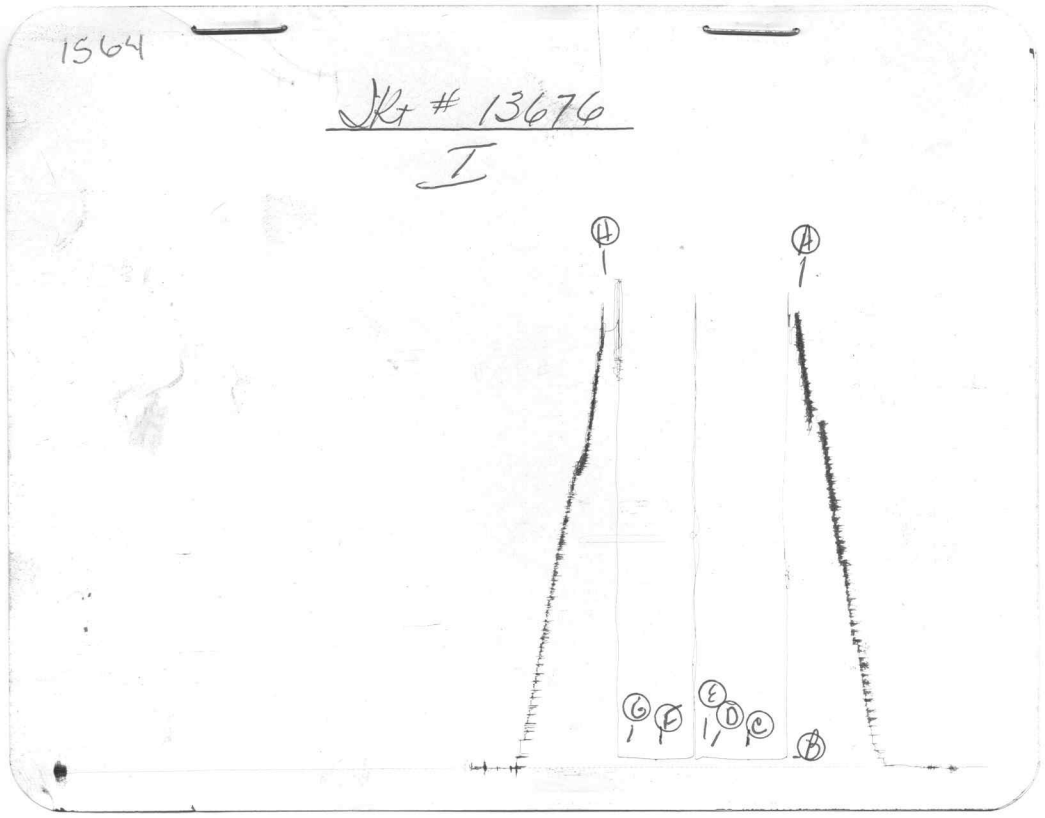
Point	Minutes	Press.
	0	31
	3	31
	6	31
	9	31
	12	32
	15	33
	18	34
	21	35
	24	36
	27	38
	30	40
	33	42

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

Point	Minutes	Press.
	0	33
	5	FLUSHED TOOL
	10	36
	15	35
	20	35
	25	35
	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	34
	9	35
	12	36
	15	37
	18	38
	21	39
	24	40
	27	41
	30	42



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1856	1800	PSI
(B)	First Initial Flow Pressure	38	31	PSI
(C)	First Final Flow Pressure	31	31	PSI
(D)	Initial Closed-in Pressure	46	42	PSI
(E)	Second Initial Flow Pressure	31	33	PSI
(F)	Second Final Flow Pressure	31	33	PSI
(G)	Final Closed-in Pressure	46	42	PSI
(H)	Final Hydrostatic Mud	1784	1784	PSI

COMPANY A. SCOTT RITCHIE LEASE AND WELL NO. URBAN 'B' #1 SEC. 6 TWP. 17S RGE. 14W TEST NO. 1 DATE 3/22/82

WELL FILE
DO NOT REMOVE

WESTERN TESTERS

Home Office: Wichita, Kansas 67201

P.O. Box 1599 (316) 262-5861

Company A. Scott Ritchie Lease & Well No. Urban "B" #1

Elevation 1952 Ground Level Formation Kansas City Effective Pay - Ft. Ticket No. 16267

Date 3/ 23/82 Sec. 6 Twp. 17S Range 14W County Barton State Kansas

Test Approved by Ray Goodin Western Representative Gregory Saffa

Formation Test No. 2 Interval Tested from 3375 ft. to 3400 ft. Total Depth 3400 ft.

Packer Depth 3370 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 3375 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 3386 ft. Recorder Number 13401 Cap. 4000

Bottom Recorder Depth (Outside) 3387 ft. Recorder Number 3659 Cap. 4000

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

Drilling Contractor Murfin Drilling Rig #19 Drill Collar Length 180 I. D. 2.2 in.

Mud Type starch Viscosity 40 Weight Pipe Length 1110 I. D. 2.7 in.

Weight 9.9 Water Loss 20 cc. Drill Pipe Length 2165 I. D. 3.8 in.

Chlorides 80,000 P.P.M. Test Tool Length 20 ft. Tool Size 4½ in.

Jars: Make No Serial Number - Anchor Length 25 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 throughout initial flow period. Weak blow died in twenty minutes on final flow period.

Recovered 8 ft. of drilling mud with light oil spots

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 3:40 ~~A.M.~~ P.M. Time Started Off Bottom 5:40 A.M. ~~P.M.~~ Maximum Temperature ?

Initial Hydrostatic Pressure ..... (A) 1822 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 85 P.S.I. to (C) 57 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 741 P.S.I.

Final Flow Period ..... Minutes 30 (E) 95 P.S.I. to (F) 69 P.S.I.

Final Closed In Period ..... Minutes 30 (G) 120 P.S.I.

Final Hydrostatic Pressure ..... (H) 1822 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 3/23/82 Test Ticket No. 16267

Recorder No. 13401 Capacity 4000 Location 3386 Ft.

Clock No. --- Elevation -- Well Temperature ----- °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1822 P.S.I.	Open Tool		3:40A M	
B	First Initial Flow Pressure	85 P.S.I.	First Flow Pressure		30 Mins.	30 Mins.
C	First Final Flow Pressure	57 P.S.I.	Initial Closed-in Pressure		30 Mins.	30 Mins.
D	Initial Closed-in Pressure	741 P.S.I.	Second Flow Pressure		30 Mins.	30 Mins.
E	Second Initial Flow Pressure	95 P.S.I.	Final Closed-in Pressure		30 Mins.	30 Mins.
F	Second Final Flow Pressure	69 P.S.I.				
G	Final Closed-in Pressure	120 P.S.I.				
H	Final Hydrostatic Mud	1822 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	85
P 2 5	85
P 3 10	69
P 4 15	61
P 5 20	58
P 6 25	57
P 7 30	57
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.

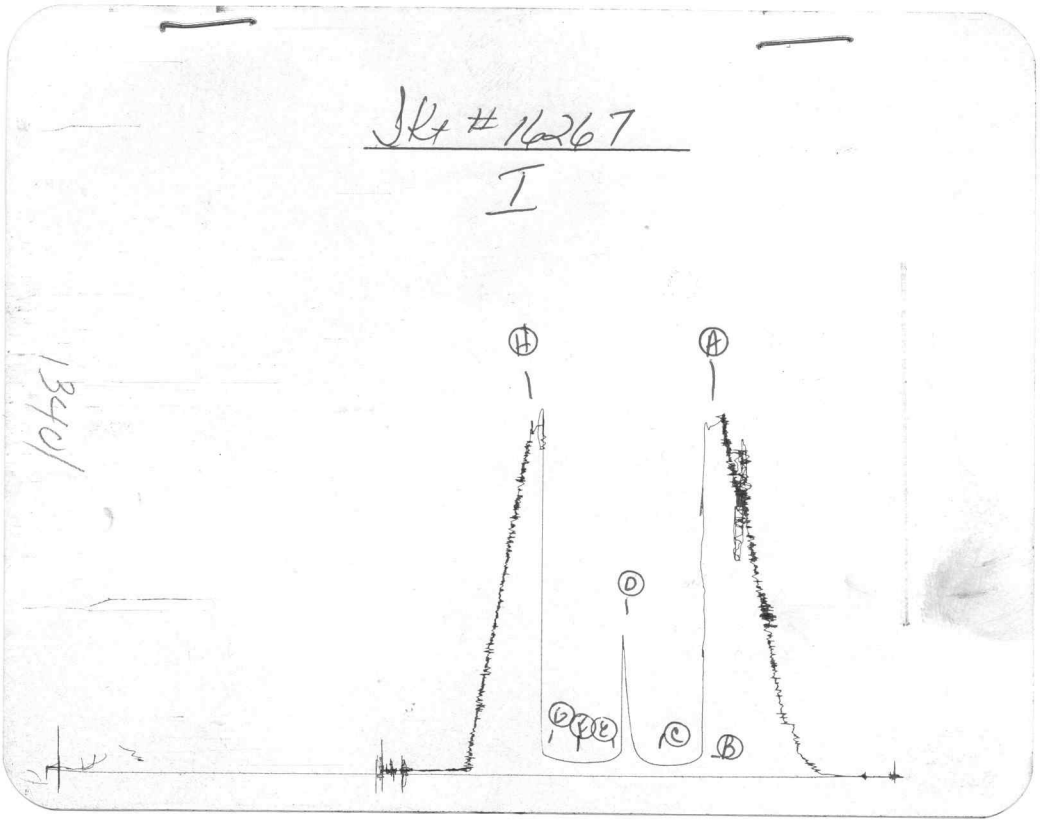
Point Minutes	Press.
0	57
3	61
6	63
9	68
12	78
15	94
18	124
21	197
24	352
27	612
30	741

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

Point Minutes	Press.
0	95
5	95
10	79
15	73
20	71
25	69
30	69

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

Point Minutes	Press.
0	69
3	69
6	71
9	73
12	75
15	80
18	84
21	89
24	98
27	105
30	120



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1802	1822	PSI
(B)	First Initial Flow Pressure	81	85	PSI
(C)	First Final Flow Pressure	71	57	PSI
(D)	Initial Closed-in Pressure	678	741	PSI
(E)	Second Initial Flow Pressure	91	95	PSI
(F)	Second Final Flow Pressure	81	69	PSI
(G)	Final Closed-in Pressure	111	120	PSI
(H)	Final Hydrostatic Mud	1703	1822	PSI

COMPANY A. SCOTT RITCHIE LEASE AND WELL NO. URBAN "B" #1 SEC. 6 TWP. 17S RGE. 14W TEST NO. 2 DATE 3/23 /82

WELL FILE
DO NOT REMOVE

WESTERN TESTERS

Home Office: Wichita, Kansas 67201

P.O. Box 1599 (316) 262-5861

Company A. Scott Ritchie Lease & Well No. Urban "B"#1

Elevation 1952 Ground Level Formation Conglomerate Effective Pay - Ft. Ticket No. 16268

Date 3/ 24/82 Sec. 6 Twp. 17S Range 14W County Barton State Kansas

Test Approved by Ray Goodin Western Representative Gregory Saffa

Formation Test No. 3 Interval Tested from 3426 ft. to 3479 ft. Total Depth 3479 ft.

Packer Depth 3421 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 3426 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 3430 ft. Recorder Number 13401 Cap. 4000

Bottom Recorder Depth (Outside) 3431 ft. Recorder Number 3659 Cap. 4000

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

Drilling Contractor Murfin Drilling Rig #19 Drill Collar Length 180 I. D. 2.2 in.

Mud Type starch Viscosity 41 Weight Pipe Length 1110 I. D. 2.7 in.

Weight 10.0 Water Loss 19 cc. Drill Pipe Length 2116 I. D. 3.8 in.

Chlorides 82,000 P.P.M. Test Tool Length 20 ft. Tool Size 4½ in.

Jars: Make No Serial Number - Anchor Length 53 ft. Size 4½ 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 throughout initial flow period. No blow on final flow period.

Recovered 6 ft. of light oil cut mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 2:15 ~~A.M.~~ ~~P.M.~~ Time Started Off Bottom 5:15 A.M. P.M. Maximum Temperature 102°

Initial Hydrostatic Pressure ..... (A) 1891 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 67 P.S.I. to (C) 67 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 119 P.S.I.

Final Flow Period ..... Minutes 55 (E) 83 P.S.I. to (F) 64 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 128 P.S.I.

Final Hydrostatic Pressure ..... (H) 1822 P.S.I.

WTC-1

WESTERN TESTING CO., INC.
Pressure Data

Date 3/24/82 Test Ticket No. 16268

Recorder No. 13401 Capacity 4000 Location 3430 Ft.

Clock No. ----- Elevation ------ Well Temperature 102 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1891 P.S.I.		Open Tool	2:15 A M	
B	First Ipitial Flow Pressure	67 P.S.I.		First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	67 P.S.I.		Initial Closed-in Pressure	30 Mins.	30 Mins.
D	Initial Closed-in Pressure	119 P.S.I.		Second Flow Pressure	60 Mins.	55 Mins.
E	Second Initial Flow Pressure	83 P.S.I.		Final Closed-in Pressure	60 Mins.	60 Mins.
F	Second Final Flow Pressure	64 P.S.I.				
G	Final Closed-in Pressure	128 P.S.I.				
H	Final Hydrostatic Mud	1822 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	67
P 2 5	67
P 3 10	67
P 4 15	67
P 5 20	67
P 6 25	67
P 7 30	67
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.

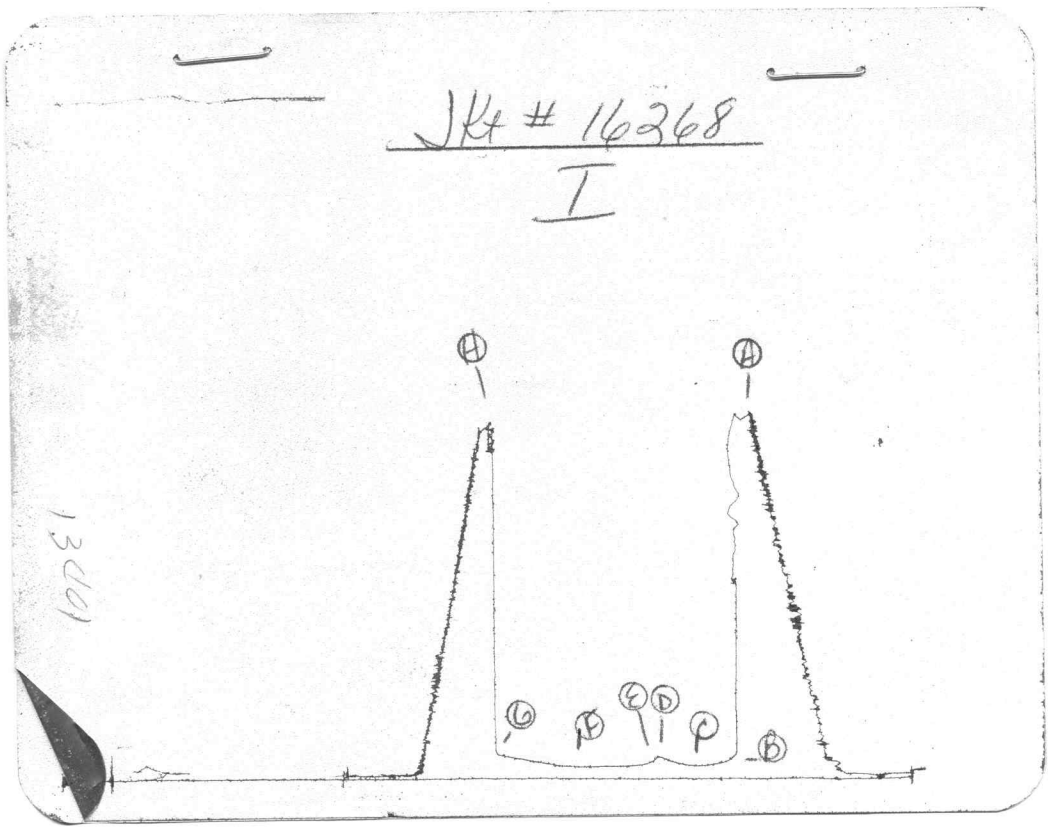
Point Minutes	Press.
0	67
3	69
6	71
9	74
12	80
15	84
18	91
21	100
24	108
27	115
30	119

Second Flow Pressure
Breakdown: 11 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	83
5	78
10	72
15	68
20	67
25	67
30	67
35	67
40	66
45	65
50	64
55	64

Final Shut-In
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	64
3	65
6	66
9	68
12	69
15	71
18	75
21	79
24	83
27	86
30	89
33	94
36	98
39	102
42	105
45	108
48	112
51	117
54	119
57	125
60	128



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1891	1891	PSI
(B)	First Initial Flow Pressure	142	67	PSI
(C)	First Final Flow Pressure	81	67	PSI
(D)	Initial Closed-in Pressure	132	119	PSI
(E)	Second Initial Flow Pressure	101	83	PSI
(F)	Second Final Flow Pressure	91	64	PSI
(G)	Final Closed-in Pressure	111	128	PSI
(H)	Final Hydrostatic Mud	1703	1822	PSI

COMPANY A. SCOTT RITCHIE LEASE AND WELL NO. URBAN "B" #1 SEC. 6 TWP. 17S RGE. 14W TEST NO. 3 DATE 3/ 24/82

WELL FILE
DO NOT REMOVE

WESTERN TESTERS

Home Office: Wichita, Kansas 67201

P.O. Box 1599 (316) 262-5861

Company A. Scott Ritchie Lease & Well No. Urban "B" #1

Elevation 1952 Ground Level Formation ---- Effective Pay - Ft. Ticket No. 16269

Date 3/ 24/82 Sec. 6 Twp. 17S Range 14W County Barton State Kansas

Test Approved by Ray Goodin Western Representative Gregory Saffa

Formation Test No. 4 Interval Tested from 3480 ft. to 3489 ft. Total Depth 3489 ft.

Packer Depth 3475 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 3480 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 3465 ft. Recorder Number 13401 Cap. 4000

Bottom Recorder Depth (Outside) 3482 ft. Recorder Number 3659 Cap. 4000

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

Drilling Contractor Murfin Drilling Rig #19 Drill Collar Length 180 I. D. 2.2 in.

Mud Type starch Viscosity 41 Weight Pipe Length 1110 I. D. 2.7 in.

Weight 10.1 Water Loss 14.2 cc. Drill Pipe Length 2165 I. D. 3.8 in.

Chlorides 80,000 P.P.M. Test Tool Length 25 ft. Tool Size 4½ in.

Jars: Make No Serial Number - Anchor Length 9 ft. Size 4½ 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: MISRUN

Recovered 190 ft. of mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: MISRUN PACKER FAILED

Time Set Packer(s) A.M. P.M. Time Started Off Bottom A.M. P.M. Maximum Temperature

Initial Hydrostatic Pressure ..... (A) 1874 P.S.I.

Initial Flow Period ..... Minutes (B) - P.S.I. to (C) - P.S.I.

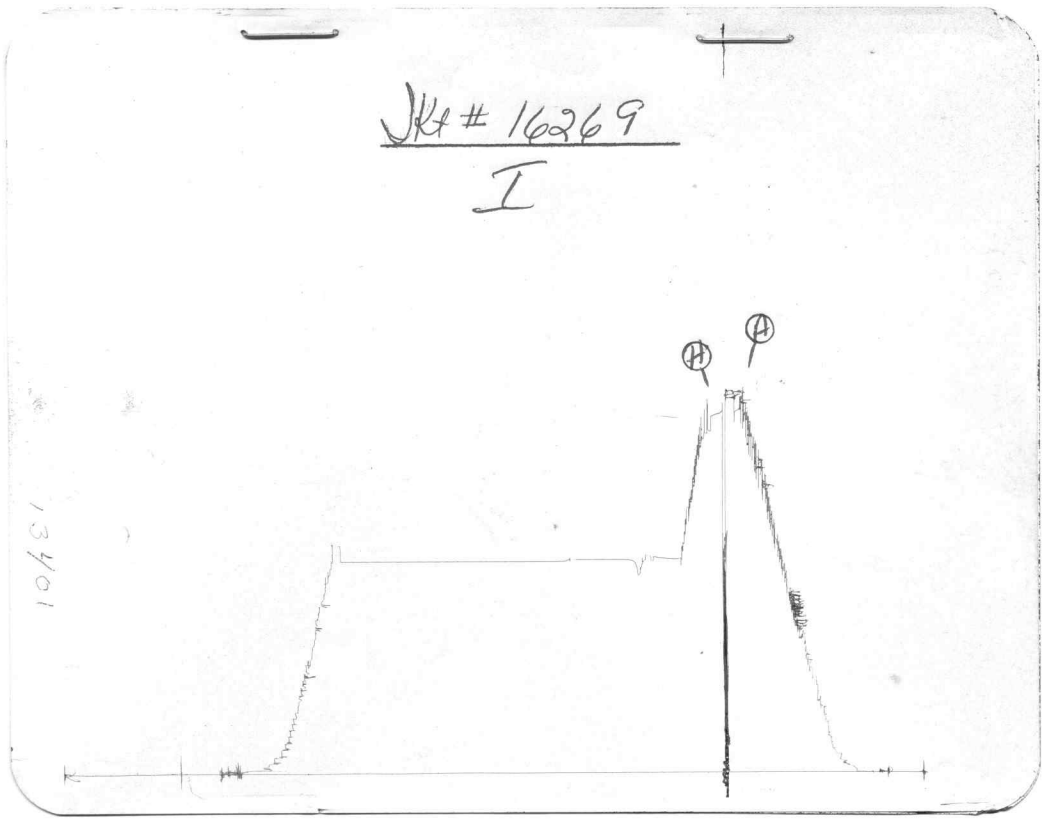
Initial Closed In Period ..... Minutes (D) - P.S.I.

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) 1852 P.S.I.

WTC-



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	MISRUN	1874	PSI
(B)	First Initial Flow Pressure	-	-	PSI
(C)	First Final Flow Pressure	-	-	PSI
(D)	Initial Closed-in Pressure	-	-	PSI
(E)	Second Initial Flow Pressure	-	-	PSI
(F)	Second Final Flow Pressure	-	-	PSI
(G)	Final Closed-in Pressure	-	-	PSI
(H)	Final Hydrostatic Mud	-	1852	PSI

COMPANY A. SCOTT RITCHIE LEASE AND WELL NO. URBAN "B" #1 SEC. 6 TWP. 17S RGE. 14W TEST NO. 4 DATE 3/24 /8

WELL FILE
DO NOT REMOVE

WESTERN TESTERS

Home Office: Wichita, Kansas 67201

P.O. Box 1599 (316) 262-5861

Company A. Scott Ritchie Lease & Well No. Urban "B" #1

Elevation 1952 Ground Level Formation Arbuckle Effective Pay - Ft. Ticket No. 16270

Date 3/ 25/82 Sec. 6 Twp. 17S Range 14W County Barton State Kansas

Test Approved by Ray Goodin Western Representative Ray Schwager

Formation Test No. 5 Interval Tested from 3483 ft. to 3489 ft. Total Depth 3489 ft.

Packer Depth 3478 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 3483 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 3468 ft. Recorder Number 13401 Cap. 4000

Bottom Recorder Depth (Outside) 3485 ft. Recorder Number 3659 Cap. 4000

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

Drilling Contractor Murfin Drilling Rig #19 Drill Collar Length 180 I. D. 2.2 in.

Mud Type starch Viscosity 41 Weight Pipe Length 1110 I. D. 2.7 in.

Weight 10.1 Water Loss 14.2 cc. Drill Pipe Length 2168 I. D. 3.8 in.

Chlorides 80,000 P.P.M. Test Tool Length 25 ft. Tool Size 5½ in.

Jars: Make No Serial Number - Anchor Length 6 ft. Size 5½ in.

Did Well Flow? No Reversed Out - Surface Choke Size 5/8 in. Bottom Choke Size 5/8 in.

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

Blow: Very weak blow thoroughout initial flow period. Final flow period no blow; flushed tool.

Recovered 5 ft. of mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Read Recorder #3659

Time Set Packer(s) 6:35 A.M. ~~P.M.~~ Time Started Off Bottom 8:35 A.M. ~~P.M.~~ Maximum Temperature 104°

Initial Hydrostatic Pressure ..... (A) 1972 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 47 P.S.I. to (C) 47 P.S.I.

Initial Closed In Period ..... Minutes 27 (D) 932 P.S.I.

Final Flow Period ..... Minutes 30 (E) 53 P.S.I. to (F) 40 P.S.I.

Final Closed In Period ..... Minutes 30 (G) 831 P.S.I.

Final Hydrostatic Pressure ..... (H) 1952 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 3/25/82 Test Ticket No. 16270

Recorder No. 3659 Capacity 4000 Location 3485 Ft.

Clock No. ----- Elevation -------- Well Temperature 104 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1972 P.S.I.		Open Tool	6:35 A M	
B	First Initial Flow Pressure	47 P.S.I.		First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	47 P.S.I.		Initial Closed-in Pressure	30 Mins.	27 Mins.
D	Initial Closed-in Pressure	932 P.S.I.		Second Flow Pressure	30 Mins.	30 Mins.
E	Second Initial Flow Pressure	53 P.S.I.		Final Closed-in Pressure	30 Mins.	30 Mins.
F	Second Final Flow Pressure	40 P.S.I.				
G	Final Closed-in Pressure	831 P.S.I.				
H	Final Hydrostatic Mud	1952 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	47
P 2 5	47
P 3 10	47
P 4 15	47
P 5 20	47
P 6 25	47
P 7 30	47
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 9 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	47
3	88
6	312
9	565
12	729
15	809
18	859
21	890
24	914
27	932

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

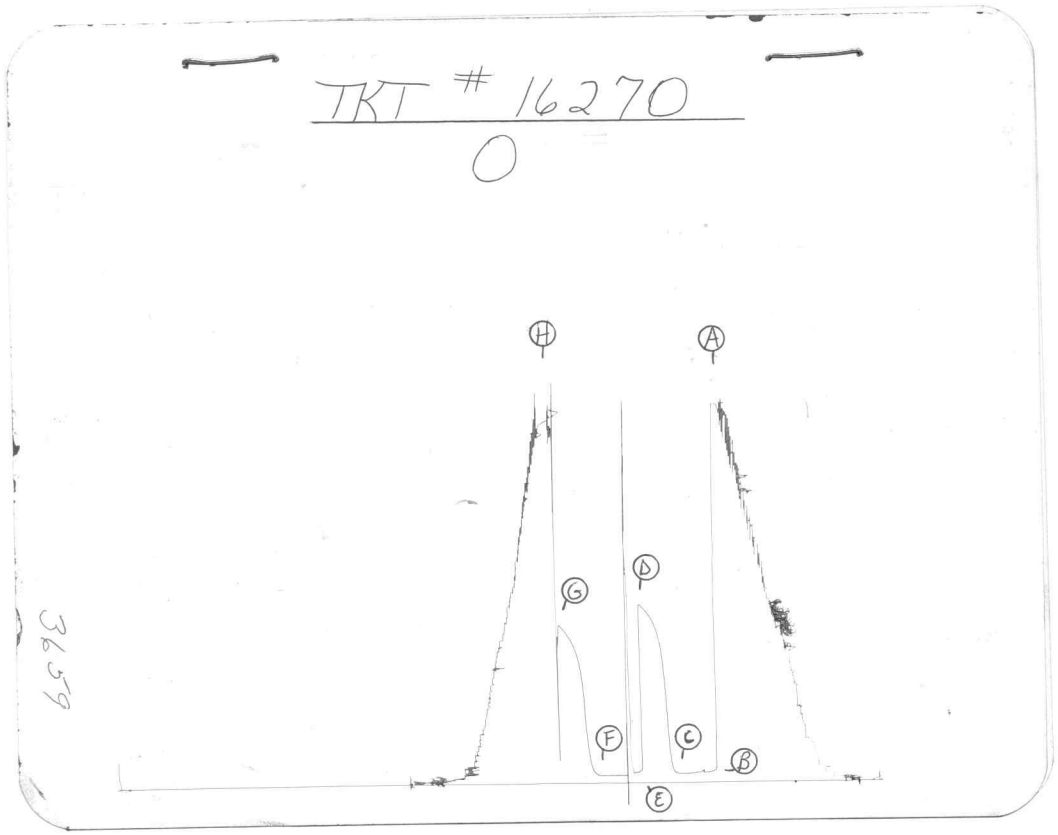
Point Minutes	Press.
0	53
5	53
10	Flushed Tool
15	40
20	40
25	40
30	40

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

Point Minutes	Press.
0	40
3	44
6	67
9	171
12	393
15	587
18	677
21	733
24	767
27	797
30	831

WTC - 4

COMPANY A. SCOTT RITCHIE LEASE AND WELL NO. URBAN 'B' #1 SEC. 6 TWP. 17S RGE. 14W TEST NO. 5 DATE 3/25/82



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1972	1972	PSI
(B)	First Initial Flow Pressure	40	47	PSI
(C)	First Final Flow Pressure	40	47	PSI
(D)	Initial Closed-in Pressure	938	932	PSI
(E)	Second Initial Flow Pressure	40	53	PSI
(F)	Second Final Flow Pressure	40	40	PSI
(G)	Final Closed-in Pressure	838	831	PSI
(H)	Final Hydrostatic Mud	1952	1952	PSI

WELL FILE DO NOT REMOVE

WESTERN TESTERS

Home Office: Wichita, Kansas 67201

P.O. Box 1599 (316) 262-5861

Company A. Scott Ritchie Lease & Well No. Urban "B" #1

Elevation 1952 Ground Level Formation Arbuckle Effective Pay - Ft. Ticket No. 16271

Date 3/ 25/82 Sec. 6 Twp. 17S Range 14W County Barton State Kansas

Test Approved by Ray Goodin Western Representative Ray Schwager

Formation Test No. 6 Interval Tested from 3489 ft. to 3504 ft. Total Depth 3504 ft.

Packer Depth 3484 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 3489 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 3492 ft. Recorder Number 13401 Cap. 4000

Bottom Recorder Depth (Outside) 3495 ft. Recorder Number 3659 Cap. 4000

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

Drilling Contractor Murfin Drilling Rig #19 Drill Collar Length 180 I. D. 2.2 in.

Mud Type starch Viscosity 52 Weight Pipe Length 1100 I. D. 2.7 in.

Weight 10.3 Water Loss 11.2 cc. Drill Pipe Length 2184 I. D. 3.8 in.

Chlorides 80,000 P.P.M. Test Tool Length 25 ft. Tool Size 5½ in.

Jars: Make No Serial Number - Anchor Length 15 ft. Size 5½ in.

Did Well Flow? No Reversed Out - Surface Choke Size 5/8 in. Bottom Choke Size 5/8 in.

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

Blow: Weak blow building to fair blow on initial flow period. Fair blow throughout final flow period.

Recovered 450 ft. of salt water

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 10:15 ~~A.M.~~ P.M. Time Started Off Bottom 1:15 A.M. ~~P.M.~~ Maximum Temperature 107°

Initial Hydrostatic Pressure			(A)	1912	P.S.I.	
Initial Flow Period	Minutes	30	(B)	73	P.S.I. to (C)	153 P.S.I.
Initial Closed In Period	Minutes	30	(D)	729	P.S.I.	
Final Flow Period	Minutes	60	(E)	188	P.S.I. to (F)	249 P.S.I.
Final Closed In Period	Minutes	63	(G)	774	P.S.I.	
Final Hydrostatic Pressure			(H)	1873	P.S.I.	

WTC-

WESTERN TESTING CO., INC.
Pressure Data

Date 3/25/82 Test Ticket No. 16271

Recorder No. 3659 Capacity 4000 Location 3492 Ft.

Clock No. ------ Elevation ------- Well Temperature 107 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1912 P.S.I.	Open Tool	10:15 P M	
B First Initial Flow Pressure	73 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	153 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	729 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	188 P.S.I.	Final Closed-in Pressure	60 Mins.	63 Mins.
F Second Final Flow Pressure	249 P.S.I.			
G Final Closed-in Pressure	774 P.S.I.			
H Final Hydrostatic Mud	1873 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	73
P 2	5	83
P 3	10	106
P 4	15	122
P 5	20	135
P 6	25	144
P 7	30	153
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	153
	3	345
	6	412
	9	488
	12	540
	15	586
	18	622
	21	651
	24	679
	27	701
	30	729

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

Point	Minutes	Press.
	0	188
	5	188
	10	192
	15	196
	20	202
	25	210
	30	216
	35	222
	40	228
	45	234
	50	238
	55	243
	60	249

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

Point	Minutes	Press.
	0	249
	3	351
	6	410
	9	455
	12	490
	15	520
	18	550
	21	574
	24	596
	27	616
	30	636
	33	653
	36	669
	39	686
	42	699
	45	713
	48	725
	51	737
	54	747
	57	757
	60	769
	63	774

WELL FILE
DO NOT REMOVE

WESTERN TESTERS

Home Office: Wichita, Kansas 67201
P.O. Box 1599 (316) 262-5861

Company A. Scott Ritchie Lease & Well No. Urban "B" #1

Elevation 1952 Ground Level Formation Lansing Effective Pay - Ft. Ticket No. 16208

Date 3/ 26/82 Sec. 6 Twp. 17S Range 14W County Barton State Kansas

Test Approved by Ray Goodin Western Representative Ray Schwager

Formation Test No. 7 Interval Tested from 3396 ft. to 3423 ft. Total Depth 3504 ft.

Packer Depth 3396 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 3423 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 3405 ft. Recorder Number 13401 Cap. 4000

Bottom Recorder Depth (Outside) 3408 ft. Recorder Number 3659 Cap. 4000

Below Straddle Recorder Depth 3502 ft. Recorder Number - Cap. -

Drilling Contractor Murfin Drilling Rig #19 Drill Collar Length 180 I. D. 2.2 in.

Mud Type starch Viscosity 45 Weight Pipe Length 840 I. D. 2.7 in.

Weight 10.2 Water Loss 14.6 cc. Drill Pipe Length 2437 I. D. 3.8 in.

Chlorides 78,000 P.P.M. Test Tool Length 20 ft. Tool Size 5½ in.

Jars: Make No Serial Number - Anchor Length 27 ft. Size 5½ in.

Did Well Flow? No Reversed Out - Surface Choke Size 5/8 in. Bottom Choke Size 5/8 in.

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

Blow: Weak blow building to good blow on initial flow period. Fair blow building to good blow on final flow period.

Recovered 90 ft. of oil and gas cut mud 50% mud;3% water;20% oil;27% gas

Recovered 180 ft. of gas cut muddy oil 8% mud;6% water;10% gas;76% oil

Recovered 3 ft. of clean oil

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 11:40 ~~A.M.~~ ~~P.M.~~ Time Started Off Bottom 2:40 A.M. P.M. Maximum Temperature 103°

Initial Hydrostatic Pressure		(A) 1837 P.S.I.			
Initial Flow Period	Minutes 30	(B) 88 P.S.I.	to (C)	107 P.S.I.	
Initial Closed In Period	Minutes 30	(D) 193 P.S.I.			
Final Flow Period	Minutes 60	(E) 121 P.S.I.	to (F)	130 P.S.I.	
Final Closed In Period	Minutes 66	(G) 176 P.S.I.			
Final Hydrostatic Pressure		(H) 1815 P.S.I.			

WTC-

WESTERN TESTING CO., INC.
Pressure Data

Date 3-26-82 Test Ticket No. 16208

Recorder No. 13269 Capacity 4375 Location 3405 Ft.

Clock No. ---- Elevation 1952 Ground Level Well Temperature 103 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1837 P.S.I.	Open Tool	11:40 A M	
B First Initial Flow Pressure	88 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	107 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	193 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	121 P.S.I.	Final Closed-in Pressure	60 Mins.	66 Mins.
F Second Final Flow Pressure	130 P.S.I.			
G Final Closed-in Pressure	176 P.S.I.			
H Final Hydrostatic Mud	1815 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	88
P 2 5	90
P 3 10	95
P 4 15	97
P 5 20	101
P 6 25	106
P 7 30	107
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	107
3	143
6	152
9	163
12	171
15	176
18	182
21	185
24	188
27	192
30	193

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

Point Minutes	Press.
0	121
5	121
10	121
15	123
20	125
25	126
30	127
35	128
40	129
45	129
50	130
55	130
60	130

Final Shut-In
Breakdown: 22 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	130
3	132
6	136
9	140
12	144
15	149
18	151
21	153
24	155
27	157
30	159
33	160
36	170
39	172
42	173
45	174
48	175
51	176
54	176
57	176
60	176
63	176
66	176

WTC - 4