Company A. Scott Ritchie — Lease & Well No. Webster Properties #1 "A"

Elevation 2288 Rotary Bushing — Formation Topeka — Effective Pay -- Ft. — Ticket No. 5006

Date 6-27-80 — Sec. 34 — Twp. 10 S — Range 22 W — County Graham — State Kansas

Test Approved by Don D. Strong — Western Representative Ken Metzler

Formation Test No. 1 — Interval Tested from 3323 ft. to 3343 ft. — Total Depth 3415 ft.

Packer Depth 3323 ft. — Size 6 3/4 in. — Packer Depth -- ft. — Size -- in.

Packer Depth 3343 ft. — Size 6 3/4 in. — Packer Depth -- ft. — Size -- in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 3331 ft. — Recorder Number 1564 — Cap. 3150

Bottom Recorder Depth (Outside) 3334 ft. — Recorder Number 3085 — Cap. 4500

Below Straddle Recorder Depth 3415 ft. — Recorder Number 41 — Cap. ?

Drilling Contractor Murfin Drilling Rig #15 — Drill Collar Length 170 — I. D. 2.26 in.

Mud Type Starch — Viscosity 45 — Weight Pipe Length 575 — I. D. 2.76 in.

Weight 9.5 — Water Loss 13.6 cc. — Drill Pipe Length 2644 — I. D. 3.8 in.

Chlorides 27,000 P.P.M. — Test Tool Length 15 ft. — Tool Size 5½ in.

Jars: Make NO — Serial Number -- — Anchor Length 20' Between ft. — Size 5½ 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 4½ FH in.

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

Recovered 15 ft. of Drilling Mud with few specks of Oil

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 8:20 ~~P.M.~~ A.M. — Time Started Off Bottom 10:15 ~~P.M.~~ A.M. — Maximum Temperature --

Initial Hydrostatic Pressure			(A) 1720	P.S.I.		
Initial Flow Period	Minutes 30	(B) 38	P.S.I. to	(C) 26	P.S.I.	
Initial Closed In Period	Minutes 27	(D) 962	P.S.I.			
Final Flow Period	Minutes 30	(E) 62	P.S.I. to	(F) 40	P.S.I.	
Final Closed In Period	Minutes 30	(G) 865	P.S.I.			
Final Hydrostatic Pressure			(H) 1712	P.S.I.		

WESTERN TESTING CO., INC.
Pressure Data

Date 6-27-80 Test Ticket No. 5006

Recorder No. 1564 Capacity 3150 Location 3331 Ft.

Clock No. -- Elevation 2288 Rotary Bushing Well Temperature -- °F

Point		Pressure	
A	Initial Hydrostatic Mud	1720	P.S.I.
B	First Initial Flow Pressure	38	P.S.I.
C	First Final Flow Pressure	26	P.S.I.
D	Initial Closed-in Pressure	962	P.S.I.
E	Second Initial Flow Pressure	62	P.S.I.
F	Second Final Flow Pressure	40	P.S.I.
G	Final Closed-in Pressure	865	P.S.I.
H	Final Hydrostatic Mud	1712	P.S.I.

	Time Given	Time Computed
Open Tool	8:12 A. M	
First Flow Pressure	30 Mins.	30 Mins.
Initial Closed-in Pressure	30 Mins.	27 Mins.
Second Flow Pressure	30 Mins.	30 Mins.
Final Closed-in Pressure	30 Mins.	30 Mins.

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	Plugging
P 2 5	38
P 3 10	31
P 4 15	26
P 5 20	26
P 6 25	26
P 7 30	26
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	26
3	365
6	553
9	685
12	785
15	849
18	893
21	924
24	954
27	962

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

Point Minutes	Press.
0	62
5	46
10	40
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	80
6	156
9	320
12	482
15	615
18	702
21	771
24	818
27	855
30	865

Tk# 5006

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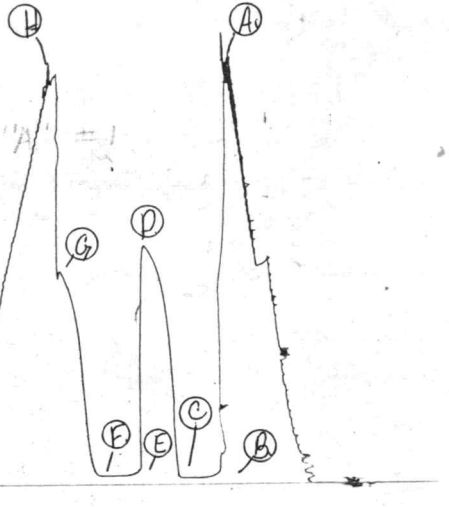
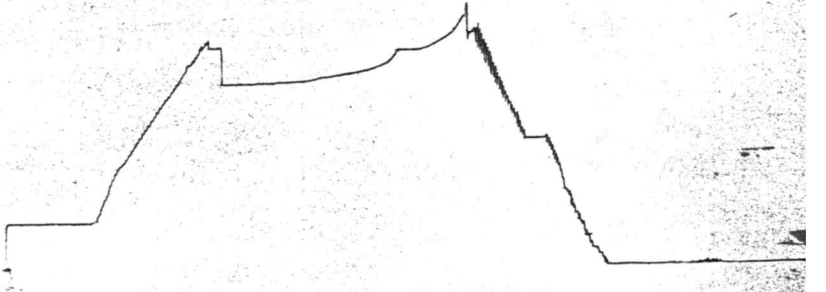


JKT# 5006

Below Straddle Test



Company A. Scott Ritchie — Lease & Well No. Webster Properties "A" #1

Elevation 2288 Rotary Bushing — Formation Kansas City — Effective Pay --- Ft. — Ticket No. 5007

Date 6/28/80 — Sec. 34 — Twp. 10S — Range 22W — County Graham — State Kansas

Test Approved by Don D. Strong — Western Representative Ken Metzler

Formation Test No. 2 — Interval Tested from 3536 ft. to 3560 ft. — Total Depth 3560 ft.

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

Packer Depth 3536 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set ___

Top Recorder Depth (Inside) 3552 ft. — Recorder Number 1564 — Cap. 3150

Bottom Recorder Depth (Outside) 3555 ft. — Recorder Number 3085 — Cap. 4500

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

Drilling Contractor Murfin Drilling Rig #15 — Drill Collar Length 170 — I. D. 2.26 in.

Mud Type starch - oil — Viscosity 42 — Weight Pipe Length 575 — I. D. 2.76 in.

Weight 9.1 — Water Loss 9.6 cc. — Drill Pipe Length 2841 — I. D. 3.8 in.

Chlorides 29,000 P.P.M. — Test Tool Length 15 ft. — Tool Size 5½ in.

Jars: Make No — Serial Number - — Anchor Length 24 ft. — Size 5½ 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 first opening. Dead on second opening; flushed tool ten minutes into second opening.

Recovered 70 ft. of slightly oil and water cut mud

Recovered ___ ft. of (Top: 5% oil; 2% water; 93% mud)

Recovered ___ ft. of (Bottom: 2% oil; 1% water; 97% mud)

Recovered ___ ft. of

Recovered ___ ft. of

Recovered ___ ft. of

Remarks:

Time Set Packer(s) 7:27 ~~P.M.~~ A.M. — Time Started Off Bottom 10:30 ~~P.M.~~ A.M. — Maximum Temperature 112°

Initial Hydrostatic Pressure			(A)	1920	P.S.I.	
Initial Flow Period	Minutes 30		(B)	46	P.S.I. to (C)	41 P.S.I.
Initial Closed In Period	Minutes 60		(D)	629	P.S.I.	
Final Flow Period	Minutes 30		(E)	68	P.S.I. to (F)	66 P.S.I.
Final Closed In Period	Minutes 57		(G)	603	P.S.I.	
Final Hydrostatic Pressure			(H)	1902	P.S.I.	

WESTERN TESTING CO., INC.
Pressure Data

Date 6-28-80 Test Ticket No. 5007

Recorder No. 1564 Capacity 3150 Location 3552 Ft.

Clock No. -- Elevation 2288 Rotary Bushing Well Temperature 112 °F

Point		Pressure	
A	Initial Hydrostatic Mud	1920	P.S.I.
B	First Initial Flow Pressure	46	P.S.I.
C	First Final Flow Pressure	41	P.S.I.
D	Initial Closed-in Pressure	629	P.S.I.
E	Second Initial Flow Pressure	68	P.S.I.
F	Second Final Flow Pressure	66	P.S.I.
G	Final Closed-in Pressure	603	P.S.I.
H	Final Hydrostatic Mud	1902	P.S.I.

	Time Given	Time Computed
Open Tool	7:27 A.M	
First Flow Pressure	30 Mins.	30 Mins.
Initial Closed-in Pressure	60 Mins.	60 Mins.
Second Flow Pressure	30 Mins.	30 Mins.
Final Closed-in Pressure	60 Mins.	57 Mins.

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	46
P 2 5	44
P 3 10	40
P 4 15	38
P 5 20	38
P 6 25	40
P 7 30	41
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

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

Point Minutes	Press.
0	41
3	65
6	145
9	284
12	393
15	461
18	493
21	519
24	540
27	556
30	568
33	579
36	590
39	598
42	604
45	610
48	615
51	619
54	623
57	626
60	629

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

Point Minutes	Press.
0	68
5	63
10	59
15	77
20	69
25	66
30	66

Flushed Tool

Final Shut-In
Breakdown: 19 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	66
3	83
6	136
9	231
12	332
15	406
18	454
21	485
24	501
27	524
30	540
33	553
36	562
39	570
42	579
45	584
48	589
51	595
54	599
57	603

42

TK# 5007

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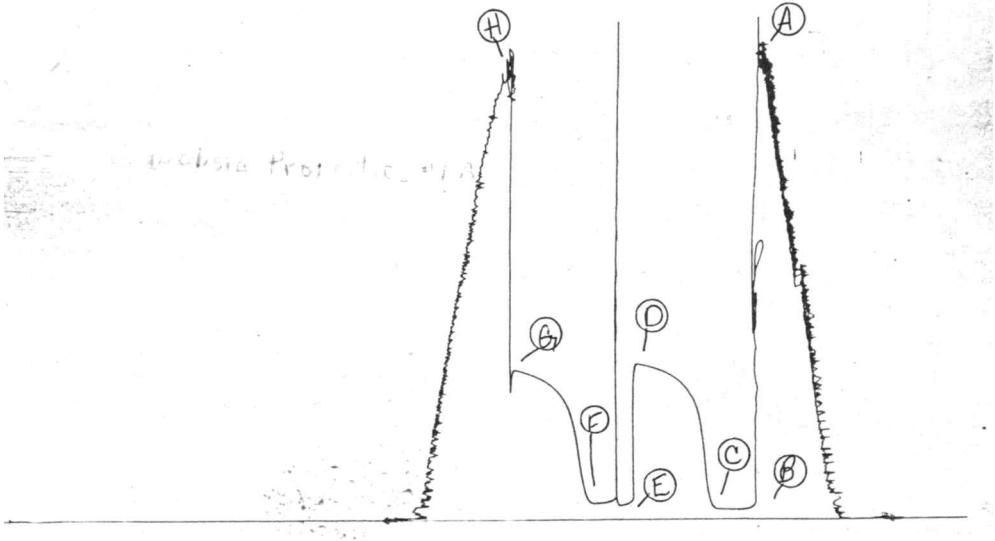

Company A. Scott Ritchie — Lease & Well No. Webster Properties #1

Elevation 2288 Rotary Bushing — Formation Lansing — Effective Pay -- Ft. — Ticket No. 5008

Date 6-29-80 — Sec. 34 — Twp. 10 S — Range 22 W — County Graham — State Kansas

Test Approved by Jeff Christian — Western Representative Randy Lackey

Formation Test No. 3 — Interval Tested from 3595 ft. to 3614 ft. — Total Depth 3614 ft.

Packer Depth 3595 ft. — Size 6 3/4 in. — Packer Depth -- ft. — Size -- in.

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

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 3602 ft. — Recorder Number 3085 — Cap. 4500

Bottom Recorder Depth (Outside) 3605 ft. — Recorder Number 1564 — Cap. 3150

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

Drilling Contractor Murfin Drilling Company — Drill Collar Length 170 — I. D. 2.26 in.

Mud Type Starch — Viscosity 41 — Weight Pipe Length 575 — I. D. 2.76 in.

Weight 9.5 — Water Loss -- cc. — Drill Pipe Length 2829 — I. D. 3.8 in.

Chlorides 22,000 P.P.M. — Test Tool Length 16 ft. — Tool Size 5½ in.

Jars: Make NO — Serial Number -- — Anchor Length 19 ft. — Size 5½ 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 4½ FH in.

Blow: Very weak blow stopping after 20 minutes of initial flow period. No blow on final flow period.

Recovered 15 ft. of Mud slight trace of Oil in tool.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 12:00 A.M. P.M. — Time Started Off Bottom 2:00 A.M. P.M. — Maximum Temperature 113

Initial Hydrostatic Pressure			(A)	1840	P.S.I.	
Initial Flow Period	Minutes 30	(B)	11	P.S.I. to (C)	10	P.S.I.
Initial Closed In Period	Minutes 30	(D)	466	P.S.I.		
Final Flow Period	Minutes 30	(E)	26	P.S.I. to (F)	19	P.S.I.
Final Closed In Period	Minutes 30	(G)	437	P.S.I.		
Final Hydrostatic Pressure			(H)	1803	P.S.I.	

WESTERN TESTING CO., INC.
Pressure Data

Date 6-29-80 Test Ticket No. 5008

Recorder No. -- Capacity 3085 Location 3602 Ft.

Clock No. -- Elevation 2288 Rotary Bushing Well Temperature 113 °F

Point		Pressure	
A	Initial Hydrostatic Mud	1840	P.S.I.
B	First Initial Flow Pressure	11	P.S.I.
C	First Final Flow Pressure	10	P.S.I.
D	Initial Closed-in Pressure	466	P.S.I.
E	Second Initial Flow Pressure	26	P.S.I.
F	Second Final Flow Pressure	19	P.S.I.
G	Final Closed-in Pressure	437	P.S.I.
H	Final Hydrostatic Mud	1803	P.S.I.

	Time Given	Time Computed
Open Tool	12:00 AM	
First Flow Pressure	30 Mins.	30 Mins.
Initial Closed-in Pressure	30 Mins.	30 Mins.
Second Flow Pressure	30 Mins.	30 Mins.
Final Closed-in Pressure	30 Mins.	30 Mins.

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	11
P 2 5	8
P 3 10	8
P 4 15	8
P 5 20	8
P 6 25	8
P 7 30	10
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	10
3	14
6	31
9	126
12	298
15	394
18	432
21	449
24	456
27	461
30	466

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

Point Minutes	Press.
0	26
5	21
10	19
15	19
20	19
25	19
30	19

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

Point Minutes	Press.
0	19
3	23
6	31
9	41
12	74
15	148
18	272
21	365
24	406
27	428
30	437

DST #3

T. 3085
T. 5009

TH #5008
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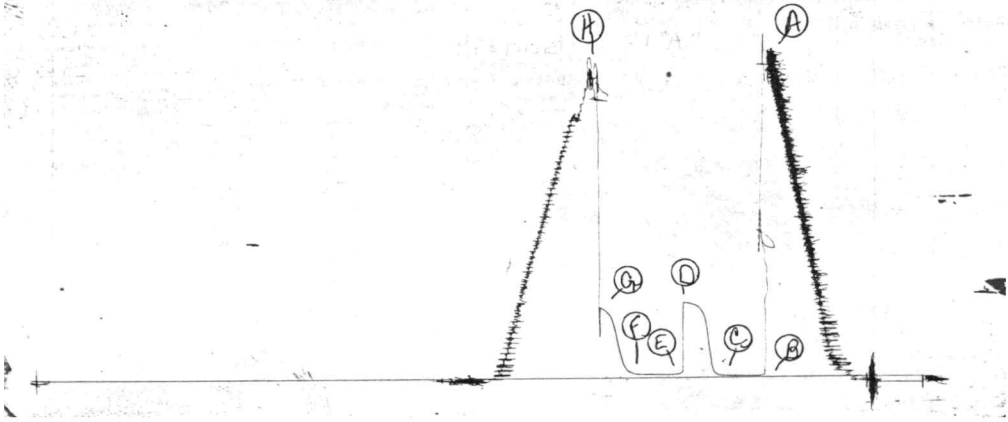

Company A. Scott Ritchie — Lease & Well No. Webster Properties, Inc.

Elevation 2288 Rotary Bushing — Formation Lansing — Effective Pay --- Ft. — Ticket No. 5009

Date 6/29/80 — Sec. 34 — Twp. 10S — Range 22W — County Graham — State Kansas

Test Approved by Don D. Strong — Western Representative Randy Lackey

Formation Test No. 4 — Interval Tested from 3612 ft. to 3628 ft. — Total Depth 3628 ft.

Packer Depth 3612 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

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

Depth of Selective Zone Set 0

Top Recorder Depth (Inside) 3619 ft. — Recorder Number 1564 — Cap. 3150

Bottom Recorder Depth (Outside) 3622 ft. — Recorder Number 3085 — Cap. 4500

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

Drilling Contractor Murfin Drilling Co. — Drill Collar Length 170 — I. D. 2.26 in.

Mud Type starch — Viscosity 41 — Weight Pipe Length 574 — I. D. 2.76 in.

Weight 9.5 — Water Loss - cc. — Drill Pipe Length 2865 — I. D. 3.8 in.

Chlorides 22,000 P.P.M. — Test Tool Length 16 ft. — Tool Size 5½ in.

Jars: Make None — Serial Number - — Anchor Length 16 ft. — Size 5½ 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;died after twelve minutes of initial flow period. No blow throughout final flow period.

Recovered 5 ft. of mud very slightly oil cut

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 10:30 A.M. P.M. — Time Started Off Bottom 12:30 A.M. P.M. — Maximum Temperature 114°

Initial Hydrostatic Pressure		(A) 1912 P.S.I.		
Initial Flow Period	Minutes 30	(B) 46 P.S.I.	to (C) 32 P.S.I.	
Initial Closed In Period	Minutes 27	(D) 49 P.S.I.		
Final Flow Period	Minutes 30	(E) 41 P.S.I.	to (F) 36 P.S.I.	
Final Closed In Period	Minutes 30	(G) 41 P.S.I.		
Final Hydrostatic Pressure		(H) 1902 P.S.I.		

WESTERN TESTING CO., INC.
Pressure Data

Date 6-29-80 Test Ticket No. 5009

Recorder No. 1564 Capacity 3150 Location 3619 Ft.

Clock No. -- Elevation 2288 Rotary Bushing Well Temperature 114 °F

Point		Pressure	
A	Initial Hydrostatic Mud	1912	P.S.I.
B	First Initial Flow Pressure	46	P.S.I.
C	First Final Flow Pressure	32	P.S.I.
D	Initial Closed-in Pressure	49	P.S.I.
E	Second Initial Flow Pressure	41	P.S.I.
F	Second Final Flow Pressure	36	P.S.I.
G	Final Closed-in Pressure	41	P.S.I.
H	Final Hydrostatic Mud	1902	P.S.I.

	Time Given	Time Computed
Open Tool	10:30 AM	
First Flow Pressure	30 Mins.	30 Mins.
Initial Closed-in Pressure	30 Mins.	27 Mins.
Second Flow Pressure	30 Mins.	30 Mins.
Final Closed-in Pressure	30 Mins.	30 Mins.

PRESSURE BREAKDOWN

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

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

Second Flow Pressure
Breakdown: 6 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.
P 1	0	46		0	32		0	41		0	36
P 2	5	40		3	32		5	40		3	36
P 3	10	34		6	32		10	38		6	36
P 4	15	32		9	32		15	36		9	36
P 5	20	32		12	34		20	36		12	38
P 6	25	32		15	36		25	36		15	39
P 7	30	32		18	38		30	36		18	39
P 8				21	41					21	40
P 9				24	44					24	40
P10				27	49					27	41
P11										30	41
P12											
P13											
P14											
P15											
P16											
P17											
P18											
P19											
P20											

DST #4

T-5009

Tk# 5009
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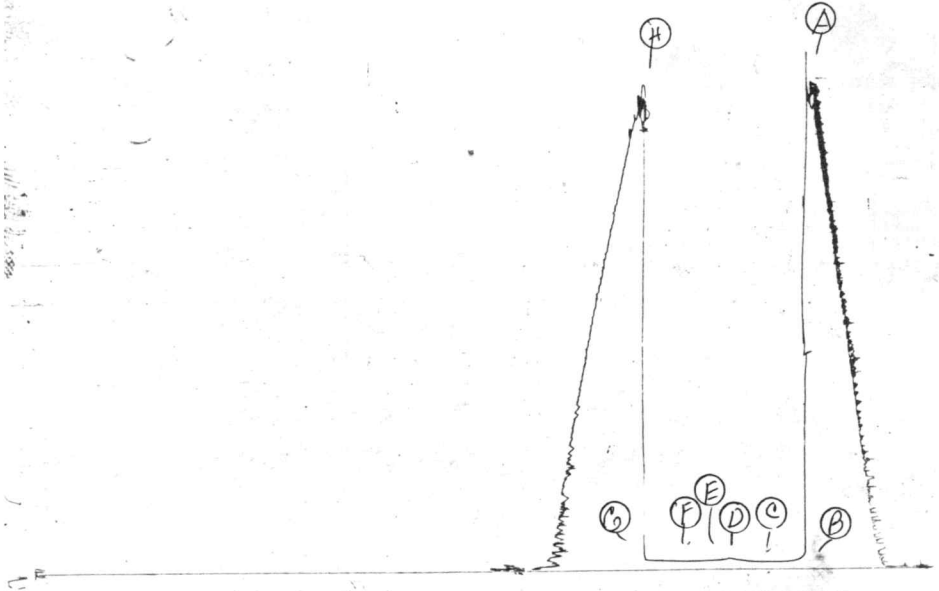


Company A. Scott Ritchie — Lease & Well No. Webster Properties "A" #1

Elevation 2288 Rotary Bushing — Formation Kansas City — Effective Pay ------ Ft. — Ticket No. 5010

Date 6/30/80 — Sec. 34 — Twp. 10S — Range 22W — County Graham County — State Kansas

Test Approved by Jeff Christian — Western Representative Randy Lackey

Formation Test No. 5 — Interval Tested from 3624 ft. to 3663 ft. — Total Depth 3663 ft.

Packer Depth 3624 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

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

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3634 ft. — Recorder Number 1564 — Cap. 3150

Bottom Recorder Depth (Outside) 3637 ft. — Recorder Number 3085 — Cap. 4500

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

Drilling Contractor Murfin Drilling Co. — Drill Collar Length 170 — I. D. 2.26 in.

Mud Type starch — Viscosity 41 — Weight Pipe Length 575 — I. D. 2.76 in.

Weight 9.5 — Water Loss - cc. — Drill Pipe Length 2976 — I. D. 3.8 in.

Chlorides 22,000 P.P.M. — Test Tool Length 16 ft. — Tool Size 5½ in.

Jars: Make No — Serial Number - — Anchor Length 39 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 building to fair throughout initial flow period. No blow;flushed tool twice;one minute surge both times still no blow on final flow period.

Recovered 129 ft. of very slightly oil cut muddy water

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 2:00 A.M. ~~P.M.~~ — Time Started Off Bottom 4:30 A.M. ~~P.M.~~ — Maximum Temperature 114°

Initial Hydrostatic Pressure		(A) 1968 P.S.I.		
Initial Flow Period	Minutes 30	(B) 46 P.S.I.	to (C) 74 P.S.I.	
Initial Closed In Period	Minutes 57	(D) 468 P.S.I.		
Final Flow Period	Minutes 30	(E) No Pressures P.S.I.	to (F) No Pressures P.S.I.	
Final Closed In Period	Minutes 27	(G) 480 P.S.I.		
Final Hydrostatic Pressure		(H) 1944 P.S.I.		

WESTERN TESTING CO., INC.
Pressure Data

Date 6-30-80 Test Ticket No. 5010

Recorder No. 1564 Capacity 3150 Location 3634 Ft.

Clock No. -- Elevation 2288 Rotary Bushing Well Temperature 114 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1968 P.S.I.	Open Tool	2:00 AM	
B First Initial Flow Pressure	46 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	74 P.S.I.	Initial Closed-in Pressure	60 Mins.	57 Mins.
D Initial Closed-in Pressure	468 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	No Pressure P.S.I.	Final Closed-in Pressure	30 Mins.	27 Mins.
F Second Final Flow Pressure	No Pressure P.S.I.			
G Final Closed-in Pressure	480 P.S.I.			
H Final Hydrostatic Mud	1944 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	46
P 2 5	42
P 3 10	44
P 4 15	50
P 5 20	59
P 6 25	69
P 7 30	74
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 19 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	74
3	250
6	395
9	428
12	440
15	447
18	453
21	456
24	459
27	462
30	463
33	464
36	465
39	466
42	467
45	468
48	468
51	468
54	468
57	468

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

Point Minutes	Press.
0	No Pressure
5	No Pressure
10	No Pressure
15	No Pressure
20	No Pressure
25	No Pressure
30	No Pressure

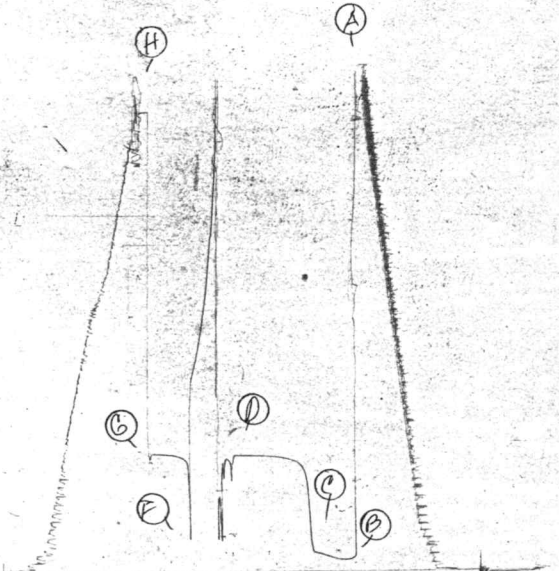
Final Shut-In
Breakdown: 9 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	131
3	454
6	465
9	470
12	473
15	475
18	476
21	478
24	479
27	480

PST#5

T-1584
T-5010

IK#5010
I.



Company A. Scott Ritchie — Lease & Well No. Webster Properties "A"#1

Elevation 2288 Rotary Bushing — Formation Kansas City — Effective Pay ----- Ft. — Ticket No. 5011

Date 6/30/80 — Sec. 34 — Twp. 10S — Range 22W — County Graham — State Kansas

Test Approved by Jeff Christian — Western Representative Randy Lackey

Formation Test No. 6 — Interval Tested from 3668 ft. to 3734 ft. — Total Depth 3734 ft.

Packer Depth 3664 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

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

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3675 ft. — Recorder Number 1564 — Cap. 3150

Bottom Recorder Depth (Outside) 3678 ft. — Recorder Number 3085 — Cap. 4500

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

Drilling Contractor Murfin Drilling Co. — Drill Collar Length 170 — I. D. 2.26 in.

Mud Type starch — Viscosity 40 — Weight Pipe Length 575 — I. D. 2.76 in.

Weight 9.7+ — Water Loss - cc. — Drill Pipe Length 3044 — I. D. 3.8 in.

Chlorides 23,000 P.P.M. — Test Tool Length 16 ft. — Tool Size 5½ in.

Jars: Make No — Serial Number - — Anchor Length 66 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: Very weak blow for ten minutes of initial flow period. Died after the ten minute period No blow on final flow period.

Recovered 2 ft. of mud with very few oil specks

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

READ OUTSIDE RECORDER

Time Set Packer(s) 10:30 ~~A.M.~~ P.M. — Time Started Off Bottom 12:30 A.M. P.M. — Maximum Temperature 115°

Initial Hydrostatic Pressure			(A) 1872	P.S.I.		
Initial Flow Period	Minutes 30	(B) 23	P.S.I. to	(C) 14	P.S.I.	
Initial Closed In Period	Minutes 27	(D) 66	P.S.I.			
Final Flow Period	Minutes 30	(E) 28	P.S.I. to	(F) 21	P.S.I.	
Final Closed In Period	Minutes 30	(G) 43	P.S.I.			
Final Hydrostatic Pressure			(H) 1870	P.S.I.		

WESTERN TESTING CO., INC.
Pressure Data

Date 6-30-80

Test Ticket No. 5011

Recorder No. 3085 Capacity 4500 Location 3678 Ft.

Clock No. -- Elevation 2288 Rotary Bushing Well Temperature 115 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1872 P.S.I.	Open Tool	10:30 P. M	
B First Initial Flow Pressure	23 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	14 P.S.I.	Initial Closed-in Pressure	30 Mins.	27 Mins.
D Initial Closed-in Pressure	66 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	28 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	21 P.S.I.			
G Final Closed-in Pressure	43 P.S.I.			
H Final Hydrostatic Mud	1870 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	23
P 2 5	16
P 3 10	14
P 4 15	14
P 5 20	14
P 6 25	14
P 7 30	14
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	14
3	16
6	23
9	28
12	29
15	32
18	34
21	47
24	57
27	66

Second Flow Pressure

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

Point Minutes	Press.
0	28
5	23
10	21
15	21
20	21
25	21
30	21

Final Shut-In

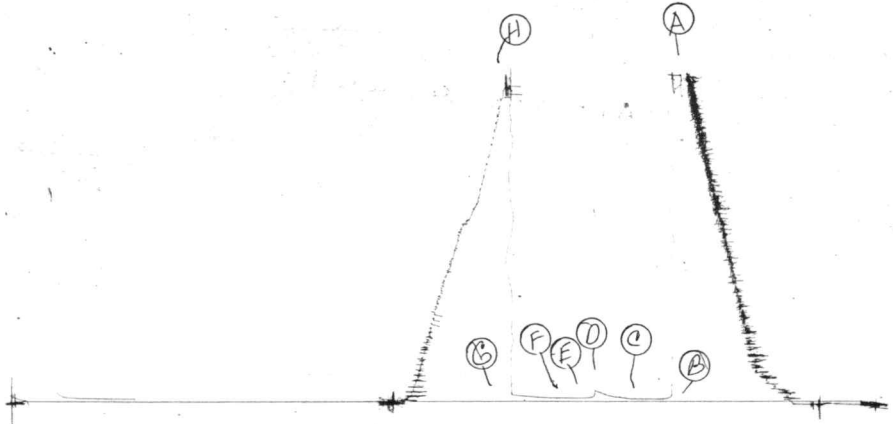
Breakdown: 10 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	21
3	23
6	24
9	27
12	28
15	31
18	33
21	34
24	36
27	39
30	43

D35 #6

T 30
T 5011

TK#5011



Company A. Scott Ritchie — Lease & Well No. Webster Properties "A"#1

Elevation 2288 Rotary Bushing — Formation Kansas City — Effective Pay - Ft. — Ticket No. 5012

Date 7/1/80 — Sec. 34 — Twp. 10S — Range 22W — County Graham — State Kansas

Test Approved by Jeff Christian — Western Representative Randy Lackey

Formation Test No. 7 — Interval Tested from 3734 ft. to 3786 ft. — Total Depth 3786 ft.

Packer Depth 3734 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

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

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3740 ft. — Recorder Number 1564 — Cap. 3150

Bottom Recorder Depth (Outside) 3743 ft. — Recorder Number 3085 — Cap. 4500

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

Drilling Contractor Murfin Drilling Co. — Drill Collar Length 170 — I. D. 2.26 in.

Mud Type starch — Viscosity 43 — Weight Pipe Length 575 — I. D. 2.76 in.

Weight 9.7 — Water Loss - cc. — Drill Pipe Length 3041 — I. D. 3.8 in.

Chlorides 21,000 P.P.M. — Test Tool Length 16 ft. — Tool Size 5½ in.

Jars: Make No — Serial Number - — Anchor Length 52 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: Very weak blow;died twelve minutes into initial flow period. No blow on final flow period.

Recovered 3 ft. of 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 4:15 ~~A.M.~~ P.M. — Maximum Temperature 114°

Initial Hydrostatic Pressure			(A) 1972	P.S.I.		
Initial Flow Period	Minutes 30	(B) 54	P.S.I. to	(C) 41	P.S.I.	
Initial Closed In Period	Minutes 30	(D) 670	P.S.I.			
Final Flow Period	Minutes 30	(E) 54	P.S.I. to	(F) 43	P.S.I.	
Final Closed In Period	Minutes 30	(G) 563	P.S.I.			
Final Hydrostatic Pressure			(H) 1950	P.S.I.		

WESTERN TESTING CO., INC.
Pressure Data

Date 7-1-80 Test Ticket No. 5012

Recorder No. 1564 Capacity 3150 Location 3740 Ft.

Clock No. -- Elevation 2288 Rotary Bushing Well Temperature 114 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1972 P.S.I.	Open Tool	2:15 PM	
B First Initial Flow Pressure	54 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	41 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	670 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	54 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	43 P.S.I.			
G Final Closed-in Pressure	563 P.S.I.			
H Final Hydrostatic Mud	1950 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.

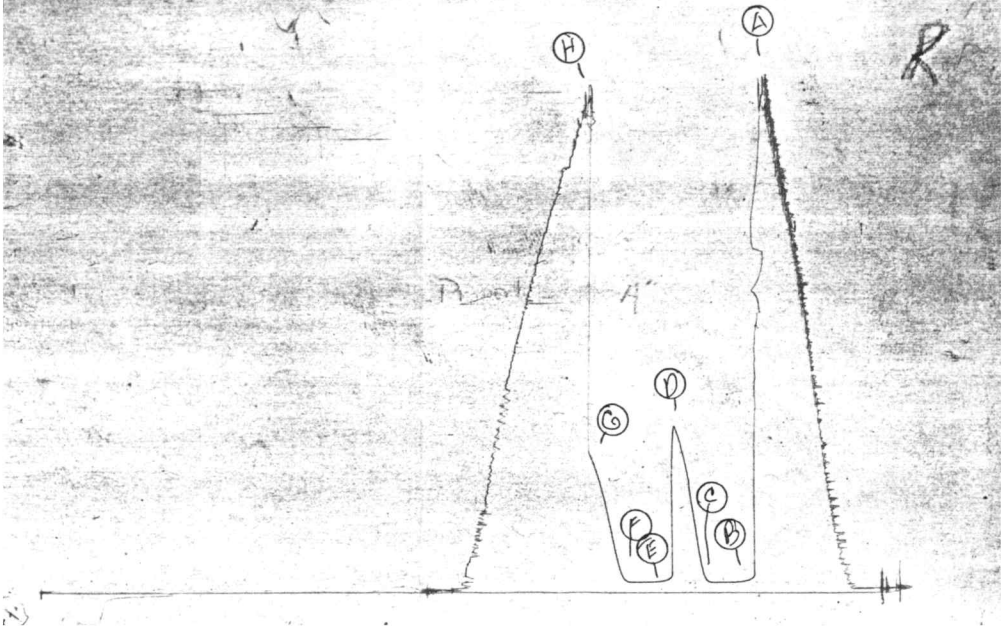
Second Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

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.
P 1 0	54	0	41	0	54	0	43
P 2 5	48	3	51	5	49	3	49
P 3 10	43	6	96	10	45	6	75
P 4 15	41	9	175	15	43	9	134
P 5 20	41	12	281	20	43	12	208
P 6 25	41	15	383	25	43	15	281
P 7 30	41	18	484	30	43	18	354
P 8		21	554			21	420
P 9		24	610			24	481
P10		27	654			27	527
P11		30	670			30	563
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

T 5012

TK # 5012
I



Company A. Scott Ritchie — Lease & Well No. Webster Properties "A"#1

Elevation 2288 Rotary Bushing — Formation Marmaton — Effective Pay ---- Ft. — Ticket No. 5013

Date 7/2/80 — Sec. 34 — Twp. 10S — Range 22W — County Graham — State Kansas

Test Approved by Jeff Christian — Western Representative Randy Lackey

Formation Test No. 8 — Interval Tested from 3859 ft. to 3910 ft. — Total Depth 3910 ft.

Packer Depth 3859 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

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

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3863 ft. — Recorder Number 1564 — Cap. 3150

Bottom Recorder Depth (Outside) 3866 ft. — Recorder Number 3085 — Cap. 4500

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

Drilling Contractor Murfin Drilling Co. — Drill Collar Length 170 — I. D. 2.26 in.

Mud Type starch — Viscosity 53 — Weight Pipe Length 575 — I. D. 2.76 in.

Weight 9.8 — Water Loss - cc. — Drill Pipe Length 3187 — I. D. 3.8 in.

Chlorides 21,000 P.P.M. — Test Tool Length 16 ft. — Tool Size 5½ in.

Jars: Make No — Serial Number - — Anchor Length 51 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: Very weak blow;died in thirteen minutes into initial flow period. No blow throughout final flow period.

Recovered 7 ft. of oil cut mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 5:00 ~~A.M.~~ P.M. — Time Started Off Bottom 7:00 ~~A.M.~~ P.M. — Maximum Temperature 117°

Initial Hydrostatic Pressure			(A)	2112	P.S.I.	
Initial Flow Period	Minutes 30	(B)	43	P.S.I. to (C)	37	P.S.I.
Initial Closed In Period	Minutes 30	(D)	641	P.S.I.		
Final Flow Period	Minutes 30	(E)	57	P.S.I. to (F)	45	P.S.I.
Final Closed In Period	Minutes 30	(G)	275	P.S.I.		
Final Hydrostatic Pressure			(H)	2066	P.S.I.	

WESTERN TESTING CO., INC.
Pressure Data

Date 7-2-80 Test Ticket No. 5013

Recorder No. 1564 Capacity 3150 Location 3863 Ft.

Clock No. -- Elevation 2288 Rotary Bushing Well Temperature 117 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2112 P.S.I.		Open Tool	5:00 P.M	
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	30 Mins.	30 Mins.
D	Initial Closed-in Pressure	641 P.S.I.		Second Flow Pressure	30 Mins.	30 Mins.
E	Second Initial Flow Pressure	57 P.S.I.		Final Closed-in Pressure	30 Mins.	30 Mins.
F	Second Final Flow Pressure	45 P.S.I.				
G	Final Closed-in Pressure	275 P.S.I.				
H	Final Hydrostatic Mud	2066 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	40
P 3 10	37
P 4 15	37
P 5 20	37
P 6 25	37
P 7 30	37
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	37
3	38
6	46
9	100
12	214
15	337
18	432
21	507
24	567
27	613
30	641

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

Point Minutes	Press.
0	57
5	54
10	48
15	45
20	45
25	45
30	45

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

Point Minutes	Press.
0	45
3	45
6	45
9	49
12	58
15	71
18	94
21	128
24	181
27	247
30	275

DST #8

T-5 or 3

~~T-5~~ #5013

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