

26-25-1E



Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

2

Company Rosen Oil Corporation Lease & Well No. Denning #1
Elevation 1425 Kelly Bushings Formation Kansas City Effective Pay _____ Ft. Ticket No. 15615
Date 2-8-71 Sec. 26 Twp. 25S Range 1E County Sedgwick State Kansas
Test Approved by Billy G. Ree Western Representative Forrest Puren11

Formation Test No. 1 O.K. Misrun _____ Interval Tested From 2570' to 2607' Total Depth 2607'
Size Main Hole 7 7/8" Rat Hole _____ Conv. _____ B.T. Damaged _____ Yes _____ No _____ Conv. B.T. _____ Damaged _____ Yes _____ No _____
Packer Depth 2565 Ft. Size 6 3/4" Packer Depth 2570 Ft. Size 6 3/4"
Straddle _____ Yes _____ No Conv. _____ B.T. _____ Damaged _____ Yes _____ No _____

Packer Depth _____ Ft. Size _____
Tool Size 5 1/2" O.D. Tool Jt. Size 4 1/2" F.H. Anchor Length 37 Ft. Size 5 1/2" O.D.
RECORDERS Depth 2594 Ft. Clock No. 6892 Depth 2597 Ft. Clock No. 6896
Top Make Kuster Cap. 4500 No. 3086 Inside Outside Bottom Make Kuster Cap. 4300 No. 1566 Inside Outside
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Time Set Packer 11:00 P. M.
Tool Open I.F.P. From 11:00 M. to 11:30P. Hr. 30 Min. From (B) 49 P.S.I. To (C) 59 P.S.I.
Tool Closed I.C.I.P. From 11:30 M. to 12:00P. Hr. 30 Min. (D) 955 P.S.I.
Tool Open F.F.P. From 12:00 M. to 1:00P. Hr. 60 Min. From (E) 63 P.S.I. To (F) 76 P.S.I.
Tool Closed F.C.I.P. From 1:00 M. to 1:30A. Hr. 30 Min. (G) 897 P.S.I.
Initial Hydrostatic Pressure (A) 1279 P.S.I. Final Hydrostatic Pressure (H) 1264 P.S.I.

SURFACE Size Choke 3/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW Weak blow @ 30 mins. - blow died when reopened tool - flushed tool once good surge 3/4
Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes No _____ Recovery Total Ft. 130 feet fluid - 70 feet slightly oil specked drilling mud
60 feet drilling mud with specks of oil

Reversed Out _____ Yes No _____ Mud Type Clbm. Viscosity 38 Weight 9.3 Water Loss 14.0 cc. Maximum Temp. 94 °F
Type Circ. Sub. P1n Did Tool Plug? _____ Jars: Size _____ Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Did Packer Hold? _____ Where? _____
Length Drill Pipe 2009 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 540 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 58 ft.

Remarks Weak blow @ 30 mins. - blow died when reopened tool - Flushed tool once (Good surge)
Blow came back - slid tool @ 15 feet to bottom

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26-25-1E

WESTERN TESTING CO., INC.
Pressure Data

Date 2-8-71 Test Ticket No. 15615
Recorder No. 3086 Capacity 4500 Location 2594 Ft.
Clock No. 6892 Elevation 1425 Kelly Bushiggs Well Temperature 94 °F

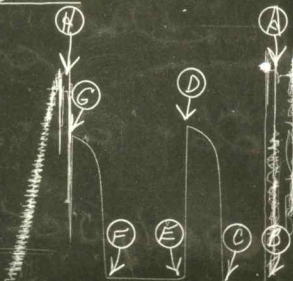
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1279</u>	P.S.I.	<u>11:00 P.M.</u>	
B First Initial Flow Pressure	<u>49</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>59</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>955</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>63</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>76</u>	P.S.I.		
G Final Closed-in Pressure	<u>897</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1264</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>10</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>49</u>	<u>0</u>	<u>59</u>	<u>0</u>	<u>63</u>	<u>0</u>	<u>76</u>
P 2 <u>5</u>	<u>50</u>	<u>3</u>	<u>553</u>	<u>5</u>	<u>64</u>	<u>3</u>	<u>300</u>
P 3 <u>10</u>	<u>51</u>	<u>6</u>	<u>764</u>	<u>10</u>	<u>65</u>	<u>6</u>	<u>606</u>
P 4 <u>15</u>	<u>52</u>	<u>9</u>	<u>843</u>	<u>15</u>	<u>66</u>	<u>9</u>	<u>736</u>
P 5 <u>20</u>	<u>54</u>	<u>12</u>	<u>881</u>	<u>20</u>	<u>67</u>	<u>12</u>	<u>792</u>
P 6 <u>25</u>	<u>56</u>	<u>15</u>	<u>904</u>	<u>25</u>	<u>68</u>	<u>15</u>	<u>823</u>
P 7 <u>30</u>	<u>59</u>	<u>18</u>	<u>920</u>	<u>30</u>	<u>69</u>	<u>18</u>	<u>846</u>
P 8 _____		<u>21</u>	<u>932</u>	<u>35</u>	<u>70</u>	<u>21</u>	<u>867</u>
P 9 _____		<u>24</u>	<u>941</u>	<u>40</u>	<u>71</u>	<u>24</u>	<u>878</u>
P10 _____		<u>27</u>	<u>951</u>	<u>45</u>	<u>73</u>	<u>27</u>	<u>888</u>
P11 _____		<u>30</u>	<u>955</u>	<u>50</u>	<u>74</u>	<u>30</u>	<u>897</u>
P12 _____				<u>55</u>	<u>75</u>		
P13 _____				<u>60</u>	<u>76</u>		
P14 _____							
P15 _____							
P16 _____							
P17 _____							
P18 _____							
P19 _____							
P20 _____							

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TKT-15615-0





26-25-12

Home Office: Great Bend, Kansas
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Company **Rosen Oil Corporation** Lease & Well No. **Denning #1**
Elevation **1425 Kelly Bushings** Formation **Kansas City** Effective Pay _____ Ft. Ticket No. **15616**
Date **2-8-71** Sec. **26** Twp. **25S** Range **1E** County **Sedgwick** State **Kansas**
Test Approved by **B111 G. Ree** Western Representative **Forrest Purnell**

Formation Test No. **2** O.K. Misrun _____ Interval Tested From **2611'** to **2645'** Total Depth **2645'**
Size Main Hole **7 7/8"** Rat Hole _____ Conv. _____ B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Packer Depth **2605** Ft. Size **6 3/4"** Packer Depth **2611** Ft. Size **6 3/4"**
Straddle Yes _____ No Conv. _____ B.T. _____ Damaged Yes _____ No

Tool Size **5 1/2" O.D.** Tool Jt. Size **4 1/2" F.H.** Anchor Length **34** Ft. Size **5 1/2" O.D.**
RECORDERS Depth **2630** Ft. Clock No. **6892** Depth **2633** Ft. Clock No. **6896**
Top Make **Kuster** Cap. **4500** No. **3086** Inside Outside _____ Bottom Make **Kuster** Cap. **4300** No. **1566** Inside Outside _____
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____
Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Time Set Packer **2:58 P.M.**
Tool Open I.F.P. From **3:00** M. to **3:30P.** M. Hr. **30** Min. From (B) **0** P.S.I. To (C) **40** P.S.I.
Tool Closed I.C.I.P. From **3:30** M. to **4:00P.** M. Hr. **30** Min. (D) **961** P.S.I.
Tool Open F.F.P. From **4:00** M. to **5:00P.** M. Hr. **60** Min. From (E) **63** P.S.I. To (F) **141** P.S.I.
Tool Closed F.C.I.P. From **5:00** M. to **5:45P.** M. Hr. **45** Min. (G) **959** P.S.I.
Initial Hydrostatic Pressure (A) **1301** P.S.I. Final Hydrostatic Pressure (H) **1276** P.S.I.

SURFACE Size Choke **3/4** In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW **Weak blow thru out test** Bottom Choke Size **3/4** In.
Did Well Flow Yes No _____ Recovery Total Ft. **320 feet of fluid - 15 feet muddy salt water with specks of oil - 305 feet muddy salt water**

Reversed Out Yes No _____ Mud Type **Chem.** Viscosity **45** Weight **9.6** Water Loss **9** cc. Maximum Temp. **96** °F
Type Circ. Sub. **Pin** Did Tool Plug? _____ Jars: Size _____ Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers **Yes** Safety Joint **No** Did Packer Hold? **Yes** Where? _____
Length Drill Pipe **2048** ft. I.D. Drill Pipe **3.8** in. Length Weight Pipe **540** ft. I.D. Weight Pipe **2.7** in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool **57** ft.

Remarks _____

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WESTERN TESTING CO., INC. Pressure Data

Date 2-8-71 Recorder No. 3086 Capacity 4500 Test Ticket No. 15616 Location 2630 Ft. Clock No. 6892 Elevation 1425 Kelly Bushings Well Temperature 96 °F

Table with columns: Point, Pressure, Open Tool, Time Given, Time Computed. Rows A-H: Initial Hydrostatic Mud, First Initial Flow Pressure, First Final Flow Pressure, Initial Closed-in Pressure, Second Initial Flow Pressure, Second Final Flow Pressure, Final Closed-in Pressure, Final Hydrostatic Mud.

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: 6 Inc. of 5 mins. and a final inc. of Min. Initial Shut-In Breakdown: 10 Inc. of 3 mins. and a final inc. of Min. Second Flow Pressure Breakdown: 12 Inc. of 5 mins. and a final inc. of Min. Final Shut-In Breakdown: 15 Inc. of 3 mins. and a final inc. of Min.

Main pressure breakdown table with columns: Point Mins., Press., Point Minutes, Press., Point Minutes, Press., Point Minutes, Press. Rows P1-P20.

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Home Office: Great Bend, Kansas
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Company Rosen Oil Corporation Lease & Well No. Denning #1
Elevation 1425 Kelly Bushings Formation Kansas City Effective Pay _____ Ft. Ticket No. 15617
Date 2-9-71 Sec. 26 Twp. 25S Range 1E County Sedgwick State Kansas
Test Approved by Bill G. Ree Western Representative Forrest Purnell

Formation Test No. 3 O.K. Misrun _____ Interval Tested From 2700' to 2737' Total Depth 2737'
Size Main Hole 7 7/8" Rat Hole _____ Conv. _____ B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Packer Depth 2695 Ft. Size 6 3/4" Packer Depth 2700 Ft. Size 6 3/4"
Straddle Yes _____ No Conv. _____ B.T. _____ Damaged Yes _____ No

Tool Size 5 1/2" O.D. Tool Jt. Size 4 1/2" F.H. Anchor Length 37 Ft. Size 5 1/2" O.D.
RECORDERS Depth 2720 Ft. Clock No. 6892 Depth 2723 Ft. Clock No. 6896
Top Make Kuster Cap. 4500 No. 3086 Inside _____ Outside _____ Bottom Make Kuster Cap. 4300 No. 1566 Inside _____ Outside _____
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____ Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Time Set Packer 6:58 A. M.
Tool Open I.F.P. From 7:00 M. to 7:30 A. M. Hr. 30 Min. From (B) 11 P.S.I. To (C) 11 P.S.I.
Tool Closed I.C.I.P. From 7:30 M. to 8:00A. M. Hr. 30 Min. (D) 741 P.S.I.
Tool Open F.F.P. From 8:00 M. to 8:30A. M. Hr. 30 Min. From (E) 18 P.S.I. To (F) 20 P.S.I.
Tool Closed F.C.I.P. From 8:30 M. to 9:15 A. M. Hr. 45 Min. (G) 799 P.S.I.
Initial Hydrostatic Pressure (A) 1341 P.S.I. Final Hydrostatic Pressure (H) 1341 P.S.I.

SURFACE Size Choke 3/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW Weak blow @ 45 min. Flushed tool (Good surge) Bottom Choke Size 3/4 In.
Did Well Flow Yes No _____ Recovery Total Ft. 20 feet drilling mud

Reversed Out Yes No _____ Mud Type Chem. Viscosity 42 Weight 9.2 Water Loss 14.2 cc. Maximum Temp. 97 °F
Type Circ. Sub. P1n Did Tool Plug? No _____ Jars: Size _____ Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers Safety Joint No _____ Did Packer Hold? Yes _____ Where? _____
Length Drill Pipe 2138 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 540 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 59 ft.

Remarks _____
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26-25-1E

WESTERN TESTING CO., INC.
Pressure Data

Date 2-9-71 Test Ticket No. 15617
 Recorder No. 3086 Capacity 4500 Location 2720 Ft.
 Clock No. 6892 Elevation 1425 Kelly Bushings Well Temperature 97 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1341	P.S.I.	6:58 A.	M
B First Initial Flow Pressure	11	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	11	P.S.I.	30	Mins. 30 Mins.
D Initial Closed-in Pressure	741	P.S.I.	30	Mins. 30 Mins.
E Second Initial Flow Pressure	18	P.S.I.	45	Mins. 48 Mins.
F Second Final Flow Pressure	20	P.S.I.		
G Final Closed-in Pressure	799	P.S.I.		
H Final Hydrostatic Mud	1341	P.S.I.		

PRESSURE BREAKDOWN

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

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

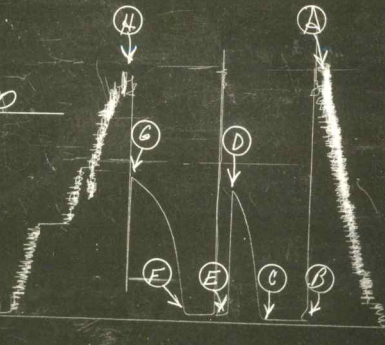
Second Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of _____ Min.

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

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>11</u>	<u>0</u>	<u>11</u>	<u>0</u>	<u>18</u>	<u>0</u>	<u>20</u>
P 2 <u>5</u>	<u>11</u>	<u>3</u>	<u>21</u>	<u>5</u>	<u>18</u>	<u>3</u>	<u>35</u>
P 3 <u>10</u>	<u>11</u>	<u>6</u>	<u>118</u>	<u>10</u>	<u>18</u>	<u>6</u>	<u>144</u>
P 4 <u>15</u>	<u>11</u>	<u>9</u>	<u>310</u>	<u>15</u>	<u>20</u>	<u>9</u>	<u>263</u>
P 5 <u>20</u>	<u>11</u>	<u>12</u>	<u>424</u>	<u>20</u>	<u>20</u>	<u>12</u>	<u>379</u>
P 6 <u>25</u>	<u>11</u>	<u>15</u>	<u>523</u>	<u>25</u>	<u>20</u>	<u>15</u>	<u>459</u>
P 7 <u>30</u>	<u>11</u>	<u>18</u>	<u>590</u>	<u>30</u>	<u>20</u>	<u>18</u>	<u>525</u>
P 8 _____		<u>21</u>	<u>646</u>			<u>21</u>	<u>583</u>
P 9 _____		<u>24</u>	<u>692</u>			<u>24</u>	<u>625</u>
P10 _____		<u>27</u>	<u>715</u>			<u>27</u>	<u>657</u>
P11 _____		<u>30</u>	<u>741</u>			<u>30</u>	<u>685</u>
P12 _____						<u>33</u>	<u>711</u>
P13 _____						<u>36</u>	<u>734</u>
P14 _____						<u>39</u>	<u>755</u>
P15 _____						<u>42</u>	<u>769</u>
P16 _____						<u>45</u>	<u>785</u>
P17 _____						<u>48</u>	<u>799</u>
P18 _____							
P19 _____							
P20 _____							

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TIGHT HOLE

Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

26-25-12

Company Rosen Oil Corporation Lease & Well No. Denning #1
Elevation 1425 Kelly Bushings Formation Burgess Effective Pay _____ Ft. Ticket No. 15618
Date 2-10-71 Sec. 26 Twp. 25S Range 1E County Sedgwick State Kansas
Test Approved by R. B. Gebhart Jr. Western Representative Forrest Purnell

Formation Test No. 4 O.K. Misrun _____ Interval Tested From 2973' to 3033' Total Depth 3033
Size Main Hole 7 7/8" Rat Hole _____ Conv. B.T. _____ Damaged _____ Yes _____ No Conv. B.T. _____ Damaged _____ Yes _____ No
Packer Depth 2968 Ft. Size 6 3/4" Packer Depth 2973 Ft. Size 6 3/4"
Straddle _____ Yes _____ No Conv. _____ B.T. _____ Damaged _____ Yes _____ No

Packer Depth _____ Ft. Size _____
Tool Size 5 1/2" O.D. Tool Jt. Size 4 1/2" Anchor Length 60 Ft. Size 5 1/2" O.D. & D.P.

RECORDERS Depth 3023 Ft. Clock No. 6892 Depth 3026 Ft. Clock No. 6896
Top Make Kuster Cap. 4500 No. 3086 Inside Outside Bottom Make Kuster Cap. 4300 No. 1566 Inside Outside
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Time Set Packer 8:58 A. _____ M
Tool Open I.F.P. From 9:00 M. to 9:30A. M. Hr. 30 Min. From (B) 52 P.S.I. To (C) 107 P.S.I.
Tool Closed I.C.I.P. From 9:30 M. to 10:00A. M. Hr. 30 Min. (D) 764 P.S.I.
Tool Open F.F.P. From 10:00 M. to 11:00A. M. Hr. 60 Min. From (E) 132 P.S.I. To (F) 209 P.S.I.
Tool Closed F.C.I.P. From 11:00 M. to 12:00P. M. Hr. 60 Min. (G) 750 P.S.I.
Initial Hydrostatic Pressure (A) 1552 P.S.I. Final Hydrostatic Pressure (H) 1543 P.S.I.

SURFACE Size Choke 3/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____ M. _____ M. _____

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BLOW Fair blow thru out test Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes No _____ Recovery Total Ft. 400 feet fluid - 40 feet clean oil - 360 feet heavy oil and gas cut mud 420 feet gas in pipe

Reversed Out _____ Yes _____ No _____ Mud Type Chem. Viscosity 42 Weight 9.4 Water Loss 10.0 cc. Maximum Temp. 111 °F
Type Circ. Sub. Pin Did Tool Plug? Yes Jars: Size _____ Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Did Packer Hold? Yes Where? _____
Length Drill Pipe 2410 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 540 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 83 ft.

Remarks Tight hole gravity oil 38 (Corrected)
Anchor partially plugged

WESTERN TESTING CO., INC.
Pressure Data

25-12

Date 2-10-71 Recorder No. 3086 Capacity 4500 Test Ticket No. 15618
 Clock No. 6892 Elevation 1425 Kelly Bushings Location 3023 Ft. 111 °F

Point	Pressure		Time Given	A.	M.	Time Computed
A Initial Hydrostatic Mud	1552	P.S.I.	8:58			
B First Initial Flow Pressure	52	P.S.I.	30			30
C First Final Flow Pressure	107	P.S.I.	30			30
D Initial Closed-in Pressure	764	P.S.I.	60			60
E Second Initial Flow Pressure	132	P.S.I.	60			60
F Second Final Flow Pressure	209	P.S.I.				
G Final Closed-in Pressure	750	P.S.I.				
H Final Hydrostatic Mud	1543	P.S.I.				

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of _____ Min.	Initial Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of _____ Min.	Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of _____ Min.	Final Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of _____ Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
0	52	0	107	0	132	0	209
5	54	3	523	5	133	3	548
10	66	6	636	10	142	6	609
15	75	9	680	15	152	9	639
20	87	12	705	20	163	12	660
25	101	15	722	25	170	15	676
30	107	18	736	30	177	18	690
		21	748	35	185	21	699
		24	755	40	203	24	706
		27	760	45	203	27	712
		30	764	50	199	30	718
				55	202	33	722
				60	209	36	726
						39	729
						42	734
						45	739
						48	743
						51	745
						54	746
						57	749
						60	750

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