

Company Duxbury Oil Company Lease & Well No. #1 Dyer
Elevation 2063 Kelly Bushing Formation Arbuckle Effective Pay - Ft. Ticket No. 16854
Date 1/31/83 Sec. 21 Twp. 19S Range 16W County Rush State Kansas
Test Approved by James F Dilts Western Representative Denis Wondra
Formation Test No. 1 Interval Tested from 3708 ft. to 3759 ft. Total Depth 3759 ft.
Packer Depth 3703 ft. Size 6 5/8 in. Packer Depth 3708 ft. Size 6 5/8 in.
Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3749 ft. Recorder Number 11018 Cap. 4425
Bottom Recorder Depth (Outside) 3752 ft. Recorder Number 13248 Cap. 4500
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Abercrombie Rig #8 Drill Collar Length - I. D. - in.
Mud Type Starch Viscosity 43 Weight Pipe Length 600 I. D. 2.8 in.
Weight 9.8 Water Loss 14.8 cc. Drill Pipe Length 3085 I. D. 3.8 in.
Chlorides 59,000 P.P.M. Test Tool Length 23 ft. Tool Size 5 1/2 OD in.
Jars: Make - Serial Number - Anchor Length 51 ft. Size 5 1/2 OD 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 4 1/2 XH in.

Blow: Very weak - decreased to few bubbles by end of initial flow period.

Final flow period no blow.

Recovered 20 ft. of mud - couple spots oil on top of tool

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 2:08 A.M. Time Started Off Bottom 4:55 A.M. Maximum Temperature 119
Initial Hydrostatic Pressure (A) 2030 P.S.I.
Initial Flow Period Minutes 30 (B) 69 P.S.I. to (C) 69 P.S.I.
Initial Closed In Period Minutes 60 (D) 113 P.S.I.
Final Flow Period Minutes 15 (E) 75 P.S.I. to (F) 75 P.S.I.
Final Closed In Period Minutes 60 (G) 90 P.S.I.
Final Hydrostatic Pressure (H) 1972 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 1/31/83 Test Ticket No. 16854
 Recorder No. 11018 Capacity 4425 Location 3749 Ft.
 Clock No. - Elevation 2063 Kelly Bushing Well Temperature 119 °F
 Point Pressure Time Given Time Computed
 A. Initial Hydrostatic Mud 2030 P.S.I. Open Tool 2:08P M
 B First Initial Flow Pressure 69 P.S.I. First Flow Pressure 30 Mins. 30 Mins.
 C First Final Flow Pressure 69 P.S.I. Initial Closed-in Pressure 60 Mins. 60 Mins.
 D Initial Closed-in Pressure 113 P.S.I. Second Flow Pressure 15 Mins. 15 Mins.
 E Second Initial Flow Pressure 75 P.S.I. Final Closed-in Pressure 60 Mins. 60 Mins.
 F Second Final Flow Pressure 75 P.S.I.
 G Final Closed-in Pressure 90 P.S.I.
 H Final Hydrostatic Mud 1972 P.S.I.

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>3</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>69</u>	<u>0</u>	<u>69</u>	<u>0</u>	<u>75</u>	<u>0</u>	<u>75</u>
P 2 <u>5</u>	<u>69</u>	<u>3</u>	<u>70</u>	<u>5</u>	<u>75</u>	<u>3</u>	<u>76</u>
P 3 <u>10</u>	<u>69</u>	<u>6</u>	<u>72</u>	<u>10</u>	<u>75</u>	<u>6</u>	<u>77</u>
P 4 <u>15</u>	<u>69</u>	<u>9</u>	<u>74</u>	<u>15</u>	<u>75</u>	<u>9</u>	<u>78</u>
P 5 <u>20</u>	<u>69</u>	<u>12</u>	<u>76</u>			<u>12</u>	<u>79</u>
P 6 <u>25</u>	<u>69</u>	<u>15</u>	<u>78</u>			<u>15</u>	<u>80</u>
P 7 <u>30</u>	<u>69</u>	<u>18</u>	<u>80</u>			<u>18</u>	<u>81</u>
P 8		<u>21</u>	<u>82</u>			<u>21</u>	<u>82</u>
P 9		<u>24</u>	<u>84</u>			<u>24</u>	<u>83</u>
P10		<u>27</u>	<u>86</u>			<u>27</u>	<u>84</u>
P11		<u>30</u>	<u>89</u>			<u>30</u>	<u>85</u>
P12		<u>33</u>	<u>92</u>			<u>33</u>	<u>86</u>
P13		<u>36</u>	<u>95</u>			<u>36</u>	<u>87</u>
P14		<u>39</u>	<u>98</u>			<u>39</u>	<u>88</u>
P15		<u>42</u>	<u>100</u>			<u>42</u>	<u>89</u>
P16		<u>45</u>	<u>102</u>			<u>45</u>	<u>90</u>
P17		<u>48</u>	<u>104</u>			<u>48</u>	<u>90</u>
P18		<u>51</u>	<u>106</u>			<u>51</u>	<u>90</u>
P19		<u>54</u>	<u>108</u>			<u>54</u>	<u>90</u>
P20		<u>57</u>	<u>110</u>			<u>57</u>	<u>90</u>
WTC - 4		<u>60</u>	<u>113</u>			<u>60</u>	<u>90</u>

TKT # -16854

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Company Duxbury Oil Company Lease & Well No. #1 Dyer
 Elevation 2063 Kelly Bushing Formation Arbuckle Effective Pay --- Ft. Ticket No. 16855
 Date 2/2/83 Sec 21 Twp 19S Range 16W County Rush State Kansas
 Test Approved by James F. Dilts Western Representative Denis Wondra
 Formation Test No. 2 Interval Tested from 3757 ft. to 3766 ft. Total Depth 3850 ft.
 Packer Depth 3757 ft. Size 6 5/8 in. Packer Depth 3766 ft. Size 6 5/8 in.
 Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 3752 ft. Recorder Number 11018 Cap 4425
 Bottom Recorder Depth (Outside) 3759 ft. Recorder Number 13240 Cap 4500
 Below Straddle Recorder Depth 3840 ft. Recorder Number - Cap -
 Drilling Contractor Abercrombie Drlg. Rig #8 Drill Collar Length - I. D. - in.
 Mud Type starch Viscosity 42 Weight Pipe Length 600 I. D. 2.8 in.
 Weight 9.8 Water Loss 12.6 cc. Drill Pipe Length 3213 I. D. 3.8 in.
 Chlorides - P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 OD in.
 Jars: Make - Serial Number - Anchor Length 9 ft. Size 5 1/2 OD 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 4 1/2 XH in.
 Blow: Very weak, decreasing throughout initial flow period. No blow on final flow period.

Recovered 15 ft. of drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 9:03 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 1:05 ~~P.M.~~ ^{A.M.} Maximum Temperature 120°
 Initial Hydrostatic Pressure (A) 1936 P.S.I.
 Initial Flow Period Minutes 30 (B) 43 P.S.I. to (C) 43 P.S.I.
 Initial Closed In Period Minutes 60 (D) 934 P.S.I.
 Final Flow Period Minutes 60 (E) 47 P.S.I. to (F) 50 P.S.I.
 Final Closed In Period Minutes 84 (G) 750 P.S.I.
 Final Hydrostatic Pressure (H) 1926 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 2/2/83 Test Ticket No. 16855

Recorder No. 11018 Capacity 4425 Location 3752 Ft.

Clock No. --- Elevation 2063 KellyBushing Well Temperature 120 °F

Point	Pressure	Time Given	Time Computed
A. Initial Hydrostatic Mud	<u>1936</u> P.S.I.	<u>9:03A</u> M	
B First Initial Flow Pressure	<u>43</u> P.S.I.	<u>30</u> Mins	<u>30</u> Mins.
C First Final Flow Pressure	<u>43</u> P.S.I.	<u>60</u> Mins	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>934</u> P.S.I.	<u>60</u> Mins	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>47</u> P.S.I.	<u>90</u> Mins	<u>84</u> Mins.
F Second Final Flow Pressure	<u>50</u> P.S.I.		
G Final Closed-in Pressure	<u>750</u> P.S.I.		
H Final Hydrostatic Mud	<u>1926</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>20</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>28</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 <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>43</u>	<u>0</u>	<u>43</u>	<u>0</u>	<u>47</u>	<u>0</u>	<u>50</u>
P 2 <u>5</u>	<u>43</u>	<u>3</u>	<u>44</u>	<u>5</u>	<u>47</u>	<u>3</u>	<u>52</u>
P 3 <u>10</u>	<u>43</u>	<u>6</u>	<u>48</u>	<u>10</u>	<u>47</u>	<u>6</u>	<u>57</u>
P 4 <u>15</u>	<u>43</u>	<u>9</u>	<u>55</u>	<u>15</u>	<u>47</u>	<u>9</u>	<u>60</u>
P 5 <u>20</u>	<u>43</u>	<u>12</u>	<u>70</u>	<u>20</u>	<u>47</u>	<u>12</u>	<u>66</u>
P 6 <u>25</u>	<u>43</u>	<u>15</u>	<u>109</u>	<u>25</u>	<u>47</u>	<u>15</u>	<u>75</u>
P 7 <u>30</u>	<u>43</u>	<u>18</u>	<u>198</u>	<u>30</u>	<u>48</u>	<u>18</u>	<u>87</u>
P 8		<u>21</u>	<u>316</u>	<u>35</u>	<u>48</u>	<u>21</u>	<u>102</u>
P 9		<u>24</u>	<u>420</u>	<u>40</u>	<u>48</u>	<u>24</u>	<u>129</u>
P10		<u>27</u>	<u>513</u>	<u>45</u>	<u>48</u>	<u>27</u>	<u>164</u>
P11		<u>30</u>	<u>595</u>	<u>50</u>	<u>48</u>	<u>30</u>	<u>204</u>
P12		<u>33</u>	<u>653</u>	<u>55</u>	<u>49</u>	<u>33</u>	<u>253</u>
P13		<u>36</u>	<u>715</u>	<u>60</u>	<u>50</u>	<u>36</u>	<u>304</u>
P14		<u>39</u>	<u>757</u>			<u>39</u>	<u>353</u>
P15		<u>42</u>	<u>794</u>			<u>42</u>	<u>398</u>
P16		<u>45</u>	<u>827</u>			<u>45</u>	<u>438</u>
P17		<u>48</u>	<u>856</u>			<u>48</u>	<u>478</u>
P18		<u>51</u>	<u>883</u>			<u>51</u>	<u>515</u>
P19		<u>54</u>	<u>904</u>			<u>54</u>	<u>553</u>
P20		<u>57</u>	<u>923</u>			<u>57</u>	<u>584</u>
WTC - 4		<u>60</u>	<u>934</u>			<u>60</u>	<u>612</u>

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WESTERN TESTING CO., INC.

Pressure Data

Date 2/2/83

Test Ticket No. 16855

Recorder No. 11018 Capacity 4425 Location 3752 Ft.

Clock No. --- Elevation 2063 KellyBushing Well Temperature 120 °F

Point	Pressure		Time Given	Time Computed
A. Initial Hydrostatic Mud	<u>1936</u> P.S.I.	Open Tool	<u>9:03A</u> M	
B First Initial Flow Pressure	<u>43</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>43</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>934</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>47</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>84</u> Mins.
F Second Final Flow Pressure	<u>50</u> P.S.I.			
G Final Closed-in Pressure	<u>750</u> P.S.I.			
H Final Hydrostatic Mud	<u>1926</u> P.S.I.			

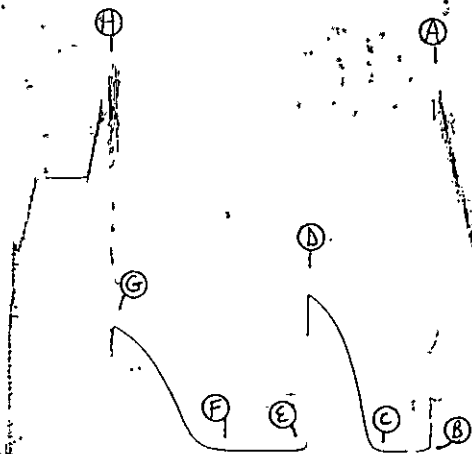
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>28</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 <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						<u>63</u>	<u>638</u>
P 2						<u>66</u>	<u>661</u>
P 3						<u>69</u>	<u>681</u>
P 4						<u>72</u>	<u>701</u>
P 5						<u>75</u>	<u>718</u>
P 6						<u>78</u>	<u>735</u>
P 7						<u>81</u>	<u>749</u>
P 8						<u>84</u>	<u>750</u>
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TKT # 16855

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TKT # 16855

Below Straddle

