

Company G. & C. Development Lease & Well No. Chambers #1
 Elevation 1311 Kelly Bushing Formation Mississippi Effective Pay -- Ft. Ticket No. 2487
 Date 3/4/79 Sec. 11 Twp. 29S Range 2W County Sedgwick State Kansas
 Test Approved by Jim Garner Western Representative W. K. Hager

Formation Test No. 1 Interval Tested from 3549' ft. to 3565' ft. Total Depth 3565' ft.
 Packer Depth 3544 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 3549 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set --
 Top Recorder Depth (Inside) 3554 ft. Recorder Number 1558 Cap. 4200
 Bottom Recorder Depth (Outside) 3557 ft. Recorder Number 1559 Cap. 4200
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Triangle #1 Drill Collar Length 210 I. D. 2 1/4 in.
 Mud Type chemical Viscosity 33 Weight Pipe Length - I. D. - in.
 Weight 9.1 Water Loss 12.4 cc. Drill Pipe Length 3319 I. D. 3.8 in.
 Chlorides 4,000 P.P.M. Test Tool Length 36' in. Tool Size 5 1/2 in.
 Jars: Make -- Serial Number -- Anchor Length 16' ft. Size 5 1/2 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 FH in.

Blow: _____

 Recovered _____ ft. of _____
 Recovered _____ ft. of _____ MISRUN
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: MISRUN: DRILL PIPE HAD HOLE IN IT 10 STANDS AFTER STARTING IN HOLE.

Time Set Packer(s)	A.M. P.M.	Time Started Off Bottom	A.M. P.M.	Maximum Temperature
Initial Hydrostatic Pressure		(A)		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)		P.S.I.

TR#2487
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Company G. & C. Development Lease & Well No. Chambers #1
 Elevation 1311 Kelly Bushing Formation Mississippi Effective Pay -- Ft. Ticket No. 2488
 Date 3/4/79 Sec. 11 Twp. 29S Range 2W County Sedgwick State Kansas
 Test Approved by J. E. Jespersen Western Representative W. K. Hager

Formation Test No. 2 Interval Tested from 3549 ft. to 3565 ft. Total Depth 3565 ft.
 Packer Depth 3544 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 3549 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set --

Top Recorder Depth (Inside) 3554 ft. Recorder Number 1558 Cap. 4200
 Bottom Recorder Depth (Outside) 3557 ft. Recorder Number 1559 Cap. 4200
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Triangle #1 Drill Collar Length 210 I. D. 2 1/4 in.
 Mud Type chemical Viscosity 40 Weight Pipe Length - I. D. - in.
 Weight 9.2 Water Loss 10.0 cc. Drill Pipe Length 3319 I. D. 3.8 in.
 Chlorides 4,600 P.P.M. Test Tool Length 36' in. Tool Size 5 1/2 in.
 Jars: Make -- Serial Number -- Anchor Length 16' ft. Size 5 1/2 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 FH in.

Blow: Very weak blow on initial flow period/weak blow throughout final flow period.

Recovered 150 ft. of oil cut mud with show of free oil
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 8:55 A.M. Time Started Off Bottom 1:10 --A.M.-- Maximum Temperature 127
P.M.
 Initial Hydrostatic Pressure 1738 (A) P.S.I.
 Initial Flow Period 15 (B) 95 P.S.I. to (C) 58 P.S.I.
 Initial Closed In Period 45 (D) 1086 P.S.I.
 Final Flow Period 135 (E) 108 P.S.I. to (F) 87 P.S.I.
 Final Closed In Period 60 (G) 779 P.S.I.
 Final Hydrostatic Pressure 1711 (H) P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 3/4/79

Test Ticket No. 2488

Recorder No. 1558

Capacity 4200

Location 3554 Ft.

Clock No. --

Elevation 1311 Kelly Bushing

Well Temperature 127 °F

Point	Pressure			Time	
				Given	Computed
A. Initial Hydrostatic Mud	<u>1738</u>	P.S.I.	Open Tool	<u>8:55A</u>	<u>M</u>
B. First Initial Flow Pressure	<u>95</u>	P.S.I.	First Flow Pressure	<u>15</u>	<u>Mins. 15 Mins.</u>
C. First Final Flow Pressure	<u>58</u>	P.S.I.	Initial Closed-in Pressure	<u>45</u>	<u>Mins. 45 Mins.</u>
D. Initial Closed-in Pressure	<u>1086</u>	P.S.I.	Second Flow Pressure	<u>135</u>	<u>Mins. 135 Mins.</u>
E. Second Initial Flow Pressure	<u>108</u>	P.S.I.	Final Closed-in Pressure	<u>60</u>	<u>Mins. 60 Mins.</u>
F. Second Final Flow Pressure	<u>87</u>	P.S.I.			
G. Final Closed-in Pressure	<u>779</u>	P.S.I.			
H. Final Hydrostatic Mud	<u>1711</u>	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>27</u> Inc.		Breakdown: <u>20</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>0</u>	<u>58</u>	<u>0</u>	<u>108</u>	<u>0</u>	<u>87</u>
P 2	<u>5</u>	<u>3</u>	<u>97</u>	<u>5</u>	<u>80</u>	<u>3</u>	<u>95</u>
P 3	<u>10</u>	<u>6</u>	<u>213</u>	<u>10</u>	<u>71</u>	<u>6</u>	<u>117</u>
P 4	<u>15</u>	<u>9</u>	<u>361</u>	<u>15</u>	<u>67</u>	<u>9</u>	<u>149</u>
P 5		<u>12</u>	<u>512</u>	<u>20</u>	<u>66</u>	<u>12</u>	<u>185</u>
P 6		<u>15</u>	<u>648</u>	<u>25</u>	<u>66</u>	<u>15</u>	<u>217</u>
P 7		<u>18</u>	<u>763</u>	<u>30</u>	<u>66</u>	<u>18</u>	<u>255</u>
P 8		<u>21</u>	<u>837</u>	<u>35</u>	<u>67</u>	<u>21</u>	<u>297</u>
P 9		<u>24</u>	<u>902</u>	<u>40</u>	<u>68</u>	<u>24</u>	<u>333</u>
P10		<u>27</u>	<u>952</u>	<u>45</u>	<u>69</u>	<u>27</u>	<u>378</u>
P11		<u>30</u>	<u>987</u>	<u>50</u>	<u>69</u>	<u>30</u>	<u>419</u>
P12		<u>33</u>	<u>1021</u>	<u>55</u>	<u>70</u>	<u>33</u>	<u>462</u>
P13		<u>36</u>	<u>1040</u>	<u>60</u>	<u>73</u>	<u>36</u>	<u>506</u>
P14		<u>39</u>	<u>1056</u>	<u>65</u>	<u>75</u>	<u>39</u>	<u>549</u>
P15		<u>42</u>	<u>1075</u>	<u>70</u>	<u>77</u>	<u>42</u>	<u>587</u>
P16		<u>45</u>	<u>1086</u>	<u>75</u>	<u>78</u>	<u>45</u>	<u>629</u>
P17				<u>80</u>	<u>79</u>	<u>48</u>	<u>660</u>
P18				<u>85</u>	<u>80</u>	<u>51</u>	<u>692</u>
P19				<u>90</u>	<u>81</u>	<u>54</u>	<u>725</u>
P20				<u>95</u>	<u>81</u>	<u>57</u>	<u>754</u>
				<u>100</u>	<u>82</u>	<u>60</u>	<u>779</u>

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WESTERN TESTING CO., INC.

Pressure Data

Date 3/4/79 Test Ticket No. 2488
 Recorder No. 1558 Capacity 4200 Location 3554 Ft.
 Clock No. -- Elevation 1311 Kelly Bushing Well Temperature 127 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1738</u>	P.S.I.	<u>8:55A</u>	<u>M</u>
B First Initial Flow Pressure	<u>95</u>	P.S.I.	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>58</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1086</u>	P.S.I.	<u>135</u> Mins.	<u>135</u> Mins.
E Second Initial Flow Pressure	<u>108</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>87</u>	P.S.I.		
G Final Closed-in Pressure	<u>779</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1711</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>27</u> Inc.		Breakdown: <u>20</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				105	82		
P 2				110	83		
P 3				115	83		
P 4				120	84		
P 5				125	85		
P 6				130	86		
P 7				135	87		
P 8							
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TR#2488
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