

Company Martin Oil Company & Pate-Dombaugh Lease & Well No. Dallke #1
Elevation 1553 Ground Level Formation Mississippi Effective Pay - Ft. Ticket No. 8996
Date 1/23/81 Sec. 3 Twp 29S Range 6W County Kingman State Kansas
Test Approved by Ray Dombaugh Western Representative Darrell Claphan
Formation Test No. 1 Interval Tested from 4055 ft. to 4080 ft. Total Depth 4080 ft.
Packer Depth 4050 ft. Size 6 3/4 in. Packer Depth 4055 ft. Size 6 3/4 in.
Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 4056 ft. Recorder Number 10266 Cap. 4650
Bottom Recorder Depth (Outside) 4060 ft. Recorder Number 6233 Cap. 4000
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Kaw Drilling Co Rig #1 Drill Collar Length - I. D. - in.
Mud Type Drispac Viscosity 40 Weight Pipe Length 305 I. D. 2.7 in.
Weight 8.5 Water Loss 33.0 cc. Drill Pipe Length 3729 I. D. 3.8 in.
Chlorides 22,000 P.P.M. Test Tool Length 21 ft. Tool Size 4.5 in.
Jars: Make - Serial Number - Anchor Length 25 ft. Size 5.5 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 4.5 in.

Blow: Initial flow period off bottom of bucket in 1/2 minute. Strong blow throughout (15 inches)
Gas to surface immediately on final flow period. See attached sheet for gas measurements

Recovered 150 ft. of watery mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 9:00 A.M. Time Started Off Bottom 12:15 A.M. Maximum Temperature 124
Initial Hydrostatic Pressure (A) 2171 P.S.I.
Initial Flow Period Minutes 20 (B) 87 P.S.I. to (C) 82 P.S.I.
Initial Closed In Period Minutes 48 (D) 1319 P.S.I.
Final Flow Period Minutes 55 (E) 110 P.S.I. to (F) 103 P.S.I.
Final Closed In Period Minutes 60 (G) 1374 P.S.I.
Final Hydrostatic Pressure (H) 2171 P.S.I.

GAS FLOW REPORT

Date 1/23/81 Ticket 8996 Company Martin Oil Company-Pate-Dombaugh
 Well Name and No. Dallke #1 Dst No. 1 Interval Tested 4055-4080
 County Kingman State Kansas Sec. 3 Twp. 29S Rg. 6W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
PRE FLOW						

SECOND FLOW						
Tool open at 10:15 AM Gas to surface immediately						
5 Min	20" water	¼" Orifice				7,510 C.F.P.D.
10 Min	30" water	¼" Orifice				9,200 C.F.P.D.
15 Min	36" water	¼" Orifice				10,100 C.F.P.D.
20 Min	16" water	½" Orifice				25,100 C.F.P.D.
25 Min	17" water	½" Orifice				25,800 C.F.P.D.
30 Min	18" water	½" Orifice				26,600 C.F.P.D.
35 Min	16" water	½" Orifice				25,100 C.F.P.D.
40 Min	14" water	½" Orifice				23,700 C.F.P.D.
45 Min	12" water	½" Orifice				21,900 C.F.P.D.
50 Min	12" water	½" Orifice				21,900 C.F.P.D.
55 Min	14" water	½" Orifice				23,700 C.F.P.D.
60 Min	14" water	½" Orifice				23,700 C.F.P.D.

GAS BOTTLE

Serial No. 12616 Date Bottle Filled 1-23-81 Date to be Invoiced 1-23-81

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1½% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Martin Oil Company & Pate-Dombaugh

Authorized by Ray Dombaugh

WESTERN TESTING CO., INC.

Pressure Data

Date 1/23/81

Test Ticket No. 8996

Recorder No. 10266 Capacity 4650 Location 4056 Ft.

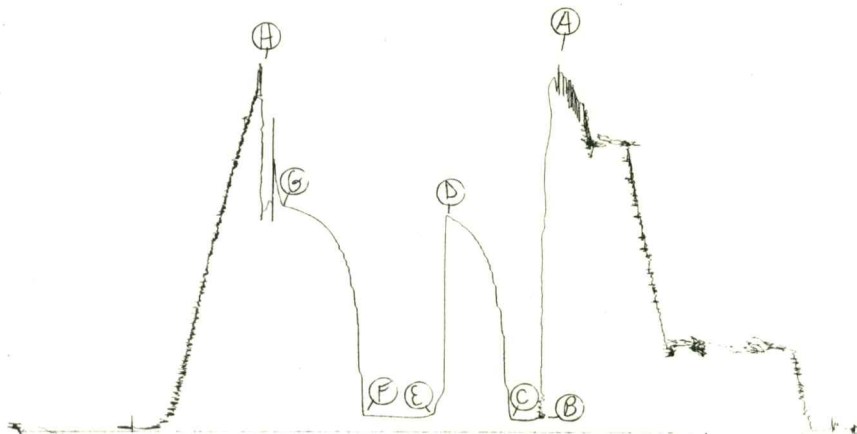
Clock No. - Elevation 1553 Ground Level Well Temperature 124 °F

Point	Pressure		Time Given 9:00A	Time Computed
A Initial Hydrostatic Mud	<u>2171</u>	P.S.I.		
B First Initial Flow Pressure	<u>87</u>	P.S.I.	<u>30</u> Mins.	<u>20</u> Mins.
C First Final Flow Pressure	<u>82</u>	P.S.I.	<u>45</u> Mins.	<u>48</u> Mins.
D Initial Closed-in Pressure	<u>1319</u>	P.S.I.	<u>60</u> Mins.	<u>55</u> Mins.
E Second Initial Flow Pressure	<u>110</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>103</u>	P.S.I.		
G Final Closed-in Pressure	<u>1374</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2171</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>4</u> Inc.		Breakdown: <u>16</u> Inc.		Breakdown: <u>11</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>87</u>	<u>0</u>	<u>82</u>	<u>0</u>	<u>110</u>	<u>0</u>	<u>103</u>
P 2 <u>5</u>	<u>82</u>	<u>3</u>	<u>263</u>	<u>5</u>	<u>103</u>	<u>3</u>	<u>418</u>
P 3 <u>10</u>	<u>77</u>	<u>6</u>	<u>586</u>	<u>10</u>	<u>94</u>	<u>6</u>	<u>850</u>
P 4 <u>15</u>	<u>80</u>	<u>9</u>	<u>750</u>	<u>15</u>	<u>94</u>	<u>9</u>	<u>956</u>
P 5 <u>20</u>	<u>82</u>	<u>12</u>	<u>890</u>	<u>20</u>	<u>94</u>	<u>12</u>	<u>1037</u>
P 6		<u>15</u>	<u>981</u>	<u>25</u>	<u>96</u>	<u>15</u>	<u>1093</u>
P 7		<u>18</u>	<u>1058</u>	<u>30</u>	<u>98</u>	<u>18</u>	<u>1140</u>
P 8		<u>21</u>	<u>1105</u>	<u>35</u>	<u>100</u>	<u>21</u>	<u>1179</u>
P 9		<u>24</u>	<u>1149</u>	<u>40</u>	<u>101</u>	<u>24</u>	<u>1216</u>
P10		<u>27</u>	<u>1184</u>	<u>45</u>	<u>102</u>	<u>27</u>	<u>1244</u>
P11		<u>30</u>	<u>1214</u>	<u>50</u>	<u>103</u>	<u>30</u>	<u>1267</u>
P12		<u>33</u>	<u>1242</u>	<u>55</u>	<u>103</u>	<u>33</u>	<u>1286</u>
P13		<u>36</u>	<u>1258</u>			<u>36</u>	<u>1302</u>
P14		<u>39</u>	<u>1276</u>			<u>39</u>	<u>1316</u>
P15		<u>42</u>	<u>1288</u>			<u>42</u>	<u>1326</u>
P16		<u>45</u>	<u>1307</u>			<u>45</u>	<u>1337</u>
P17		<u>48</u>	<u>1319</u>			<u>48</u>	<u>1348</u>
P18						<u>51</u>	<u>1358</u>
P19						<u>54</u>	<u>1365</u>
P20						<u>57</u>	<u>1370</u>
						<u>60</u>	<u>1374</u>

TKT. #. 8996
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Company Martin Oil Company & Pate-Dombaugh Lease & Well No. Dallke #1
 Elevation 1553 Ground Level Formation Mississippi Effective Pay - Ft. Ticket No. 8997
 Date 1/24/81 Sec. 3 Twp. 29S Range 6W County Kingman State Kansas
 Test Approved by Ray Dombaugh Western Representative Darrell Claphan
 Formation Test No. 2 Interval Tested from 4082 ft. to 4115 ft. Total Depth 4115 ft.
 Packer Depth 4077 ft. Size 6 3/4 in. Packer Depth 4082 ft. Size 6 3/4 in.
 Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4083 ft. Recorder Number 10266 Cap. 4650
 Bottom Recorder Depth (Outside) 4087 ft. Recorder Number 6233 Cap. 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Kaw Drilling Co Rig #1 Drill Collar Length - I. D. - in.
 Mud Type Drispac Viscosity 40 Weight Pipe Length 305 I. D. 2.7 in.
 Weight 8.5 Water Loss 33.0 cc. Drill Pipe Length 3756 I. D. 3.8 in.
 Chlorides 22,000 P.P.M. Test Tool Length 21 ft. Tool Size 4.5 in.
 Jars: Make - Serial Number - Anchor Length 33 ft. Size 5.5 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 4.5 in.

Blow: Strong blow throughout initial flow period. Off bottom immediately. Gas to surface in 5 minutes on final flow period. See attached sheet for gas measurements.

Recovered 300 ft. of mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 2:15 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 6:30 ~~P.M.~~ ^{A.M.} Maximum Temperature 126
 Initial Hydrostatic Pressure 2042 P.S.I. (A)
 Initial Flow Period 30 Minutes (B) 136 P.S.I. to (C) 105 P.S.I.
 Initial Closed In Period 39 Minutes (D) 1428 P.S.I.
 Final Flow Period 105 Minutes (E) 134 P.S.I. to (F) 128 P.S.I.
 Final Closed In Period 63 Minutes (G) 1429 P.S.I.
 Final Hydrostatic Pressure 1972 P.S.I. (H)

GAS FLOW REPORT

Date 1/24/81 Ticket 8997 Company Martin Oil Company & Pate-Dombaugh
 Well Name and No. Dallke #1 Dst No. 2 Interval Tested 4082-4115
 County Kingman State Kansas Sec. 3 Twp. 29S Rg. 6W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
PRE FLOW						

Tool open at 3:30 AM Gas to **SECOND FLOW** @ 3:35AM

10 Min	3.0 PSIG	1/8" Orifice	4,840 C.F.P.D.
20 Min	5.0 PSIG	1/8" Orifice	6,390 C.F.P.D.
30 Min	6.0 PSIG	1/8" Orifice	7,060 C.F.P.D.
40 Min	6.0 PSIG	1/8" Orifice	7,060 C.F.P.D.
50 Min	20.0 PSIG	1/8" Orifice	14,600 C.F.P.D.
60 Min	3.0 PSIG	1/2" Orifice	59,200 C.F.P.D.
70 Min	3.0 PSIG	1/2" Orifice	59,200 C.F.P.D.
80 Min	5.0 PSIG	1/2" Orifice	78,100 C.F.P.D.
90 Min	2.0 PSIG	1/2" Orifice	47,700 C.F.P.D.
100 Min	5.0 PSIG	1/2" Orifice	78,100 C.F.P.D.
110 Min	3.0 PSIG	1/2" Orifice	59,200 C.F.P.D.
120 Min	3.0 PSIG	1/2" Orifice	59,200 C.F.P.D.

GAS BOTTLE

Serial No. Date Bottle Filled Date to be Invoiced 1/24/81

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1 1/2% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Martin Oil Company & Pate-Dombaugh

Authorized by Ray Dombaugh

WESTERN TESTING CO., INC.

Pressure Data

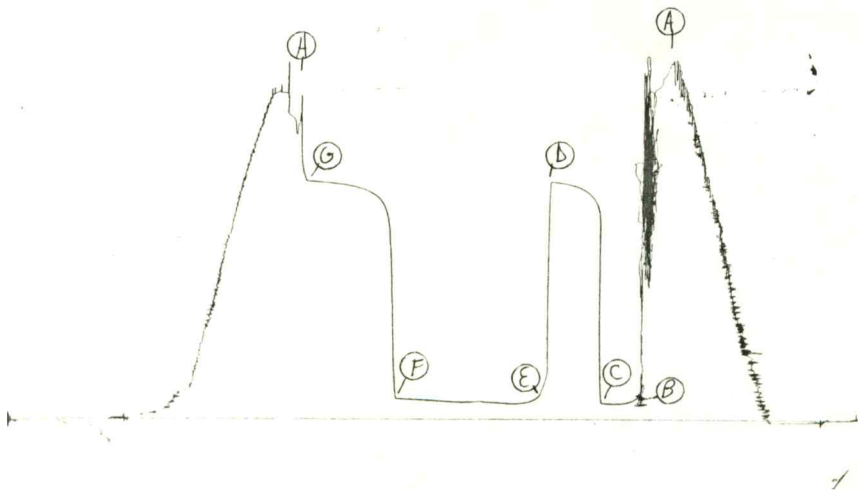
Date 1/24/81 Test Ticket No. 8997
 Recorder No. 10266 Capacity 4650 Location 4083 Ft.
 Clock No. - Elevation 1553 Ground Level Well Temperature 126 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2042</u>	P.S.I.	<u>2:15A</u>	<u>M</u>
B First Initial Flow Pressure	<u>136</u>	P.S.I.	<u>30</u>	<u>30</u> Mins.
C First Final Flow Pressure	<u>105</u>	P.S.I.	<u>45</u>	<u>39</u> Mins.
D Initial Closed-in Pressure	<u>1428</u>	P.S.I.	<u>120</u>	<u>105</u> Mins.
E Second Initial Flow Pressure	<u>134</u>	P.S.I.	<u>60</u>	<u>63</u> Mins.
F Second Final Flow Pressure	<u>128</u>	P.S.I.		
G Final Closed-in Pressure	<u>1429</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1972</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>13</u> Inc.		Breakdown: <u>21</u> Inc.		Breakdown: <u>21</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>136</u>	<u>0</u>	<u>105</u>	<u>0</u>	<u>134</u>	<u>0</u>	<u>128</u>
P 2 <u>5</u>	<u>117</u>	<u>3</u>	<u>1277</u>	<u>5</u>	<u>123</u>	<u>3</u>	<u>914</u>
P 3 <u>10</u>	<u>106</u>	<u>6</u>	<u>1323</u>	<u>10</u>	<u>108</u>	<u>6</u>	<u>1233</u>
P 4 <u>15</u>	<u>102</u>	<u>9</u>	<u>1351</u>	<u>15</u>	<u>103</u>	<u>9</u>	<u>1293</u>
P 5 <u>20</u>	<u>102</u>	<u>12</u>	<u>1372</u>	<u>20</u>	<u>101</u>	<u>12</u>	<u>1326</u>
P 6 <u>25</u>	<u>103</u>	<u>15</u>	<u>1386</u>	<u>25</u>	<u>102</u>	<u>15</u>	<u>1347</u>
P 7 <u>30</u>	<u>105</u>	<u>18</u>	<u>1398</u>	<u>30</u>	<u>105</u>	<u>18</u>	<u>1360</u>
P 8		<u>21</u>	<u>1405</u>	<u>35</u>	<u>108</u>	<u>21</u>	<u>1372</u>
P 9		<u>24</u>	<u>1412</u>	<u>40</u>	<u>109</u>	<u>24</u>	<u>1381</u>
P10		<u>27</u>	<u>1416</u>	<u>45</u>	<u>112</u>	<u>27</u>	<u>1388</u>
P11		<u>30</u>	<u>1421</u>	<u>50</u>	<u>110</u>	<u>30</u>	<u>1395</u>
P12		<u>33</u>	<u>1426</u>	<u>55</u>	<u>110</u>	<u>33</u>	<u>1400</u>
P13		<u>36</u>	<u>1428</u>	<u>60</u>	<u>110</u>	<u>36</u>	<u>1405</u>
P14		<u>39</u>	<u>1428</u>	<u>65</u>	<u>110</u>	<u>39</u>	<u>1409</u>
P15				<u>70</u>	<u>113</u>	<u>42</u>	<u>1412</u>
P16				<u>74</u>	<u>115</u>	<u>45</u>	<u>1416</u>
P17				<u>80</u>	<u>120</u>	<u>48</u>	<u>1419</u>
P18				<u>85</u>	<u>121</u>	<u>51</u>	<u>1421</u>
P19				<u>90</u>	<u>123</u>	<u>54</u>	<u>1423</u>
P20				<u>95</u>	<u>126</u>	<u>57</u>	<u>1426</u>
				<u>100</u>	<u>126</u>	<u>60</u>	<u>1428</u>
				<u>105</u>	<u>128</u>	<u>63</u>	<u>1429</u>

TKT #8997
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