



Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Robert E. Campbell Lease & Well No. Hickman #1
Elevation 1507 Kelly Bush. Formation Kansas City Effective Pay - Ft. Ticket No. 25440
Date 10-12-75 Sec. 23 Twp. 27S Range 5W County Kingman State Kansas
Test Approved by Peter J. Stubbs Western Representative Marvin Printz
Formation Test No. 1 O.K. ☒ Misrun ☐ Interval Tested From 3384' to 3393' Total Depth 3393'
Size Main Hole 7 7/8 Rat Hole ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No
Top Packer Depth ☐ Ft. Size ☐ Bottom Packer Depth 3384 Ft. Size 6 3/4
Straddle ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No Packer Depth ☐ Ft. Size ☐
Tool Size 510D Tool Joint Size 4 1/2 FH Anchor Length 9 Ft. Size 510D Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 3385 Ft. Clock No. 9727 Depth 3390 Ft. Clock No. 9103
Top Make Kuster Cap. 4300 No. 1566 Inside Outside Bottom Make Kuster Cap. 3200 No. 1561 Inside Outside
Below Straddle: Depth ☐ Rec. No. ☐ Clock No. ☐ Inside Outside Depth ☐ Ft. Rec. No. ☐ Clock No. ☐ Inside Outside
Time Set Packer 8:32 P M
Tool Open I.F.P. From 8:35P M. to 9:05P M. - Hr. 30 Min. From (B) 49 P.S.I. To (C) 73 P.S.I.
Tool Closed I.C.I.P. From 9:05P M. to 9:35P M. - Hr. 30 Min (D) 1334 P.S.I.
Tool Open F.F.P. From 9:35P M. to 10:05P M. - Hr. 30 Min. From (E) 108 P.S.I. To (F) 127 P.S.I.
Tool Closed F.C.I.P. From 10:05P M. to 10:35P M. - Hr. 30 Min. (G) 1332 P.S.I.
Initial Hydrostatic Pressure (A) 1776 P.S.I. Final Hydrostatic Pressure (H) 1748 P.S.I. Maximum Temp. -

INFORMATION

BLOW Very strong blow throughout test.
Did Well Flow ☐ Yes ☒ No Recovery Total Ft. 1733' gas in pipe, 170' gassy oil (32° gravity corrected), 15' watery mud, 120' salt water.

Reversed Out ☐ Yes ☒ No Mud Type Starch Viscosity 35 Weight 9.5 Water Loss 11.2 cc. Chlorides 66,000 PPM
EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint ☐ Jars: Size ☐ In. Make ☐ Ser. No. ☐
Dual Packer ☒ No Did Packers Hold? ☒ Yes Did Tool Plug? ☒ No Where? ☐
DRILLING CONTRACTOR Graves Drilling Co. Length Drill Pipe 3274 Ft. I.D. Drill Pipe 2.7 In. Tool Joint Size 4 1/2 FH In.
Length Weight Pipe ☐ Ft. I.D. Weight Pipe ☐ In. Tool Joint Size ☐ In. Length Drill Collars 90 Ft. I.D. Drill Collars 2 1/2 In.
Tool Joint Size 4 1/2 FH In. Length D.S.T. Tool 29 Ft.

Remarks:

WESTERN TESTING CO., INC.

Pressure Data

Date 10-12-75 Test Ticket No. 25440
 Recorder No. 1566 Capacity 4300 Location 3385 Ft.
 Clock No. 9727 Elevation 1507 Kelly Bushing Well Temperature - °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1776</u>	P.S.I.	<u>8:32 P</u>	<u>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>73</u>	P.S.I.	<u>30</u>	Mins. <u>30</u> Mins.
D Initial Closed-in Pressure	<u>1334</u>	P.S.I.	<u>30</u>	Mins. <u>30</u> Mins.
E Second Initial Flow Pressure	<u>108</u>	P.S.I.	<u>30</u>	Mins. <u>30</u> Mins.
F Second Final Flow Pressure	<u>127</u>	P.S.I.	<u>30</u>	Mins. <u>30</u> Mins.
G Final Closed-in Pressure	<u>1332</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1748</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>6</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 <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>49</u>	<u>0</u>	<u>73</u>	<u>0</u>	<u>108</u>	<u>0</u>	<u>127</u>
P 2 <u>5</u>	<u>49</u>	<u>3</u>	<u>579</u>	<u>5</u>	<u>108</u>	<u>3</u>	<u>724</u>
P 3 <u>10</u>	<u>49</u>	<u>6</u>	<u>1192</u>	<u>10</u>	<u>108</u>	<u>6</u>	<u>1119</u>
P 4 <u>15</u>	<u>54</u>	<u>9</u>	<u>1257</u>	<u>15</u>	<u>114</u>	<u>9</u>	<u>1239</u>
P 5 <u>20</u>	<u>60</u>	<u>12</u>	<u>1285</u>	<u>20</u>	<u>118</u>	<u>12</u>	<u>1282</u>
P 6 <u>25</u>	<u>66</u>	<u>15</u>	<u>1304</u>	<u>25</u>	<u>125</u>	<u>15</u>	<u>1302</u>
P 7 <u>30</u>	<u>73</u>	<u>18</u>	<u>1317</u>	<u>30</u>	<u>127</u>	<u>18</u>	<u>1310</u>
P 8		<u>21</u>	<u>1321</u>			<u>21</u>	<u>1319</u>
P 9		<u>24</u>	<u>1328</u>			<u>24</u>	<u>1328</u>
P10		<u>27</u>	<u>1332</u>			<u>27</u>	<u>1330</u>
P11		<u>30</u>	<u>1334</u>			<u>30</u>	<u>1332</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

WESTERN TESTING CO., INC.

Pressure Data

Date 10-12-75

Test Ticket No. 25440

Recorder No. 1561 Capacity 3200 Location 3390 Ft.

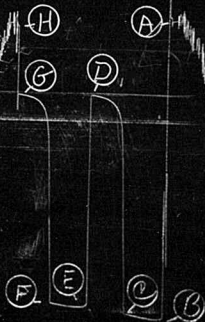
Clock No. 9103 Elevation 1507 Kelly Bushing Well Temperature - °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1772</u> P.S.I.	Open Tool	<u>8:32 P M</u>	
B First Initial Flow Pressure	<u>42</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>86</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1346</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>98</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>131</u> P.S.I.			
G Final Closed-in Pressure	<u>1345</u> P.S.I.			
H Final Hydrostatic Mud	<u>1750</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>6</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 <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>42</u>	<u>0</u>	<u>86</u>	<u>0</u>	<u>98</u>	<u>0</u>	<u>131</u>
P 2 <u>5</u>	<u>45</u>	<u>3</u>	<u>417</u>	<u>5</u>	<u>100</u>	<u>3</u>	<u>443</u>
P 3 <u>10</u>	<u>53</u>	<u>6</u>	<u>867</u>	<u>10</u>	<u>105</u>	<u>6</u>	<u>946</u>
P 4 <u>15</u>	<u>62</u>	<u>9</u>	<u>1271</u>	<u>15</u>	<u>111</u>	<u>9</u>	<u>1273</u>
P 5 <u>20</u>	<u>70</u>	<u>12</u>	<u>1305</u>	<u>20</u>	<u>119</u>	<u>12</u>	<u>1303</u>
P 6 <u>25</u>	<u>80</u>	<u>15</u>	<u>1321</u>	<u>25</u>	<u>127</u>	<u>15</u>	<u>1319</u>
P 7 <u>30</u>	<u>86</u>	<u>18</u>	<u>1330</u>	<u>30</u>	<u>131</u>	<u>18</u>	<u>1327</u>
P 8		<u>21</u>	<u>1338</u>			<u>21</u>	<u>1333</u>
P 9		<u>24</u>	<u>1341</u>			<u>24</u>	<u>1338</u>
P10		<u>27</u>	<u>1345</u>			<u>27</u>	<u>1341</u>
P11		<u>30</u>	<u>1346</u>			<u>30</u>	<u>1345</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TKT # 25440
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P. O. Box 1599 (316) 838-0601

Company Robert E. Campbell Lease & Well No. Hickman #1
Elevation 1507 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 25441
Date 10-14-75 Sec. 23 Twp. 27S Range 5W County Kingman State Kansas
Test Approved by Innes Phillips Western Representative Marvin Prints
Formation Test No. 2 O.K. ☒ Misrun ☐ Interval Tested From 3766' to 3780' Total Depth 3780'
Size Main Hole 7 7/8 Rat Hole ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No
Top Packer Depth - Ft. Size - Bottom Packer Depth 3766 Ft. Size 6 3/4
Straddle ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No Packer Depth - Ft. Size -
Tool Size 540D Tool Joint Size 4 1/2 FH Anchor Length 14 Ft. Size 540D Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 3774 Ft. Clock No. 9727 Depth 3777 Ft. Clock No. 9103
Top Make Kuster Cap. 4300 No. 1566 Inside - Outside - Bottom Make Kuster Cap. 3200 No. 1561 Inside - Outside -
Below Straddle: Depth - Rec. No. - Clock No. - Inside - Outside - Depth - Ft. Rec. No. - Clock No. - Inside - Outside -
Time Set Packer 11:07 A M
Tool Open I.F.P. From 11:10AM to 11:40AM - Hr. 30 Min. From (B) 69 P.S.I. To (C) 66 P.S.I.
Tool Closed I.C.I.P. From 11:40AM to 12:25PM - Hr. 45 Min (D) 1070 P.S.I.
Tool Open F.F.P. From 12:25PM to 1:25PM - Hr. 60 Min. From (E) 73 P.S.I. To (F) 73 P.S.I.
Tool Closed F.C.I.P. From 1:25PM to 2:25PM - Hr. 60 Min. (G) 1066 P.S.I.
Initial Hydrostatic Pressure (A) 2119 P.S.I. Final Hydrostatic Pressure (H) 2065 P.S.I. Maximum Temp. 114

INFORMATION

BLOW Strong blow decreasing to weak in initial flow period. Strong surging blow in final flow period.
Did Well Flow Gas Yes ☒ No ☐ Recovery Total Ft. Gas to surface in 45 minutes (not measurable.) 90' drilling mud.

Reversed Out ☐ Yes ☒ No ☐ Mud Type Starch Viscosity 41 Weight 9.7 Water Loss 8.4 cc. Chlorides 91,000 PPM

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint ☐ Jars: Size - In. Make - Ser. No. -

Dual Packer No Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR Graves Drilling Co. Length Drill Pipe? 3961 Ft. I.D. Drill Pipe 2.7 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 90 Ft. I.D. Drill Collars 2 1/2 In.

Tool Joint Size 4 1/2 IF In. Length D.S.T. Tool 29 Ft.

Remarks:

WESTERN TESTING CO., INC.

Pressure Data

Date 10-14-75

Test Ticket No. 25441

Recorder No. 1566

Capacity 4300

Location 3774 Ft.

Clock No. 9727

Elevation 1507 Kelly Bushing

Well Temperature 114 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2119</u> P.S.I.	Open Tool	<u>11:07 A</u> M	
B First Initial Flow Pressure	<u>69</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>66</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>42</u> Mins.
D Initial Closed-in Pressure	<u>1070</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>73</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>57</u> Mins.
F Second Final Flow Pressure	<u>73</u> P.S.I.			
G Final Closed-in Pressure	<u>1066</u> P.S.I.			
H Final Hydrostatic Mud	<u>2065</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>14</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>19</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>69</u>	<u>0</u>	<u>66</u>	<u>0</u>	<u>73</u>	<u>0</u>	<u>73</u>
P 2 <u>5</u>	<u>69</u>	<u>3</u>	<u>196</u>	<u>5</u>	<u>73</u>	<u>3</u>	<u>233</u>
P 3 <u>10</u>	<u>69</u>	<u>6</u>	<u>278</u>	<u>10</u>	<u>73</u>	<u>6</u>	<u>330</u>
P 4 <u>15</u>	<u>69</u>	<u>9</u>	<u>376</u>	<u>15</u>	<u>73</u>	<u>9</u>	<u>447</u>
P 5 <u>20</u>	<u>69</u>	<u>12</u>	<u>476</u>	<u>20</u>	<u>73</u>	<u>12</u>	<u>544</u>
P 6 <u>25</u>	<u>66</u>	<u>15</u>	<u>568</u>	<u>25</u>	<u>73</u>	<u>15</u>	<u>615</u>
P 7 <u>30</u>	<u>66</u>	<u>18</u>	<u>673</u>	<u>30</u>	<u>73</u>	<u>18</u>	<u>688</u>
P 8		<u>21</u>	<u>757</u>	<u>35</u>	<u>73</u>	<u>21</u>	<u>748</u>
P 9		<u>24</u>	<u>836</u>	<u>40</u>	<u>73</u>	<u>24</u>	<u>800</u>
P10		<u>27</u>	<u>898</u>	<u>45</u>	<u>73</u>	<u>27</u>	<u>849</u>
P11		<u>30</u>	<u>939</u>	<u>50</u>	<u>73</u>	<u>30</u>	<u>883</u>
P12		<u>33</u>	<u>989</u>	<u>55</u>	<u>73</u>	<u>33</u>	<u>914</u>
P13		<u>36</u>	<u>1025</u>	<u>60</u>	<u>73</u>	<u>36</u>	<u>944</u>
P14		<u>39</u>	<u>1053</u>			<u>39</u>	<u>969</u>
P15		<u>42</u>	<u>1070</u>			<u>42</u>	<u>987</u>
P16						<u>45</u>	<u>1006</u>
P17						<u>48</u>	<u>1023</u>
P18						<u>51</u>	<u>1036</u>
P19						<u>54</u>	<u>1053</u>
P20						<u>57</u>	<u>1066</u>

WESTERN TESTING CO., INC.

Pressure Data

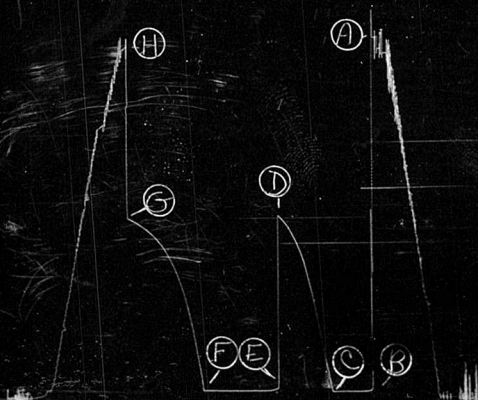
Date 10-14-75 Test Ticket No. 25441
 Recorder No. 1566 Capacity 1507 N.B. Location 3774 Ft.
 Clock No. 9727 Elevation 1507 N.B. Well Temperature 114 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2119</u> P.S.I.	Open Tool	<u>11:07 A</u> M	
B First Initial Flow Pressure	<u>69</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>66</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>42</u> Mins.
D Initial Closed-in Pressure	<u>1070</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>73</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>57</u> Mins.
F Second Final Flow Pressure	<u>73</u> P.S.I.			
G Final Closed-in Pressure	<u>1066</u> P.S.I.			
H Final Hydrostatic Mud	<u>2065</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>14</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>19</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>69</u>	<u>0</u>	<u>66</u>	<u>0</u>	<u>73</u>	<u>0</u>	<u>73</u>
P 2 <u>5</u>	<u>69</u>	<u>3</u>	<u>196</u>	<u>5</u>	↑	<u>3</u>	<u>233</u>
P 3 <u>10</u>	<u>69</u>	<u>6</u>	<u>278</u>	<u>10</u>		<u>6</u>	<u>330</u>
P 4 <u>15</u>	<u>69</u>	<u>9</u>	<u>376</u>	<u>15</u>		<u>9</u>	<u>447</u>
P 5 <u>20</u>	<u>69</u>	<u>12</u>	<u>476</u>	<u>20</u>		<u>12</u>	<u>544</u>
P 6 <u>25</u>	<u>66</u>	<u>15</u>	<u>568</u>	<u>25</u>		<u>15</u>	<u>615</u>
P 7 <u>30</u>	<u>66</u>	<u>18</u>	<u>673</u>	<u>30</u>		<u>18</u>	<u>688</u>
P 8 <u>35</u>		<u>21</u>	<u>757</u>	<u>35</u>		<u>21</u>	<u>748</u>
P 9 <u>40</u>		<u>24</u>	<u>836</u>	<u>40</u>		<u>24</u>	<u>800</u>
P10 <u>45</u>		<u>27</u>	<u>898</u>	<u>45</u>		<u>27</u>	<u>849</u>
P11		<u>30</u>	<u>939</u>	<u>50</u>		<u>30</u>	<u>883</u>
P12		<u>33</u>	<u>989</u>	<u>55</u>	<u>33</u>	<u>914</u>	
P13		<u>36</u>	<u>1025</u>	<u>60</u>	<u>73</u>	<u>36</u>	<u>944</u>
P14		<u>39</u>	<u>1053</u>			<u>39</u>	<u>969</u>
P15		<u>42</u>	<u>1070</u>			<u>42</u>	<u>987</u>
P16		<u>45</u>				<u>45</u>	<u>1006</u>
P17						<u>48</u>	<u>1023</u>
P18						<u>51</u>	<u>1036</u>
P19						<u>54</u>	<u>1053</u>
P20						<u>57</u>	<u>1071</u>
						<u>60</u>	

TKT # 254N1
I





Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Robert E. Campbell Lease & Well No. Hickman #1
Elevation 1507 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 25442
Date 10-15-75 Sec. 23 Twp. 27S Range 5W County Kingman State Kansas
Test Approved by Innes Phillips Western Representative Marvin Printz
Formation Test No. 3 O.K. X Misrun - Interval Tested From 3779' to 3795' Total Depth 3795'
Size Main Hole 7 7/8 Rat Hole - Conv. - B.T. - Damaged - Yes - No Conv. X B.T. - Damaged - Yes X No
Top Packer Depth - Ft. Size - Bottom Packer Depth 3779 Ft. Size 6 3/4
Straddle - Conv. - B.T. - Damaged - Yes - No Packer Depth - Ft. Size -
Tool Size 540D Tool Joint Size 4 1/2 FH Anchor Length 16 Ft. Size 540D Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 3787 Ft. Clock No. 9727 Depth 3790 Ft. Clock No. 9103
Top Make Kuster Cap. 4300 No. 1566 Inside - Outside - Bottom Make Kuster Cap. 3200 No. 1561 Inside - Outside -
Below Straddle: Depth - Rec. No. - Clock No. - Inside - Outside - Depth - Ft. Rec. No. - Clock No. - Inside - Outside -
Time Set Packer 10:30 P M
Tool Open I.F.P. From 10:33 P M. to 11:09 P M. - Hr. 30 Min. From (B) 49 P.S.I. To (C) 45 P.S.I.
Tool Closed I.C.I.P. From 11:03P M. to 12:03P M. - Hr. 60 Min (D) 1201 P.S.I.
Tool Open F.F.P. From 12:03A M. to 1:03A M. - Hr. 60 Min. From (E) 56 P.S.I. To (F) 66 P.S.I.
Tool Closed F.C.I.P. From 1:03A M. to 2:03R M. - Hr. 60 Min. (G) 1171 P.S.I.
Initial Hydrostatic Pressure (A) 2034 P.S.I. Final Hydrostatic Pressure (H) 1986 P.S.I. Maximum Temp. 114

INFORMATION

BLOW Strong blow throughout test.
Did Well Flow Gas Yes - No - Recovery Total Ft. Gas to surface in 12 minutes. 150' drilling mud.

Reversed Out - Yes X No - Mud Type Starch Viscosity 47 Weight 9.5 Water Loss 8.0 cc. Chlorides 88,000 PPM
EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint - Jars: Size - In. Make - Ser. No. -
Dual Packer No Did Packers Hold? Yes Did Tool Plug? No Where? -
DRILLING CONTRACTOR Graves Drilling Co. Length Drill Pipe? 3674 Ft. I.D. Drill Pipe 2.7 In. Tool Joint Size 4 1/2 FH In.
Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 90 Ft. I.D. Drill Collars 2 1/4 In.
Tool Joint Size 4 1/2 IF In. Length D.S.T. Tool 31 Ft.

Remarks:

WESTERN TESTING CO., INC.

Pressure Data

Date 10-15-75 Recorder No. 1566 Capacity 4300 Test Ticket No. 25442
 Clock No. 9727 Elevation 1507 Kelly Buh Bushing Location 3787 Ft. Well Temperature 114 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2034</u>	P.S.I.	<u>10:30P</u>	<u>M</u>
B First Initial Flow Pressure	<u>49</u>	P.S.I.	<u>30</u>	<u>30</u> Mins.
C First Final Flow Pressure	<u>45</u>	P.S.I.	<u>60</u>	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1201</u>	P.S.I.	<u>60</u>	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>56</u>	P.S.I.	<u>60</u>	<u>57</u> Mins.
F Second Final Flow Pressure	<u>66</u>	P.S.I.		
G Final Closed-in Pressure	<u>1171</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1986</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>19</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>49</u>	<u>0</u>	<u>45</u>	<u>0</u>	<u>56</u>	<u>0</u>	<u>66</u>
P 2 <u>5</u>	<u>49</u>	<u>3</u>	<u>643</u>	<u>5</u>	<u>56</u>	<u>3</u>	<u>617</u>
P 3 <u>10</u>	<u>47</u>	<u>6</u>	<u>911</u>	<u>10</u>	<u>56</u>	<u>6</u>	<u>832</u>
P 4 <u>15</u>	<u>47</u>	<u>9</u>	<u>1010</u>	<u>15</u>	<u>56</u>	<u>9</u>	<u>937</u>
P 5 <u>20</u>	<u>47</u>	<u>12</u>	<u>1070</u>	<u>20</u>	<u>56</u>	<u>12</u>	<u>1006</u>
P 6 <u>25</u>	<u>45</u>	<u>15</u>	<u>1104</u>	<u>25</u>	<u>56</u>	<u>15</u>	<u>1040</u>
P 7 <u>30</u>	<u>45</u>	<u>18</u>	<u>1124</u>	<u>30</u>	<u>56</u>	<u>18</u>	<u>1062</u>
		<u>21</u>	<u>1141</u>	<u>35</u>	<u>56</u>	<u>21</u>	<u>1083</u>
		<u>24</u>	<u>1154</u>	<u>40</u>	<u>56</u>	<u>24</u>	<u>1098</u>
		<u>27</u>	<u>1162</u>	<u>45</u>	<u>58</u>	<u>27</u>	<u>1113</u>
		<u>30</u>	<u>1166</u>	<u>50</u>	<u>62</u>	<u>30</u>	<u>1119</u>
		<u>33</u>	<u>1175</u>	<u>55</u>	<u>64</u>	<u>33</u>	<u>1132</u>
		<u>36</u>	<u>1179</u>	<u>60</u>	<u>66</u>	<u>36</u>	<u>1139</u>
		<u>39</u>	<u>1184</u>			<u>39</u>	<u>1145</u>
		<u>42</u>	<u>1190</u>			<u>42</u>	<u>1151</u>
		<u>45</u>	<u>1192</u>			<u>45</u>	<u>1152</u>
		<u>48</u>	<u>1196</u>			<u>48</u>	<u>1160</u>
		<u>51</u>	<u>1199</u>			<u>51</u>	<u>1162</u>
		<u>54</u>	<u>1201</u>			<u>54</u>	<u>1169</u>
		<u>57</u>	<u>1201</u>			<u>57</u>	<u>1171</u>
		<u>60</u>	<u>1201</u>				
P15							
P16							
P17							
P18							
P19							
P20							

Phone 316 262-5861
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P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Date **10-15-75** Ticket **25442** Company **Robert E. Campbell**
Well Name and No. **Hickman #1** Dst No. **3** Interval Tested **3779'-3795'**
County **Kingman** State **Kansas** Sec. **23** Twp. **27S** Rg. **5W**

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						
10:47 PM	-	30" of water	1/2" choke			9,200 C.F.P.D.
10:52 PM	5 min.	14" of water	3/4" choke			53,300 C.F.P.D.
10:57 PM	5 min.	13" of water	3/4" choke			51,400 C.F.P.D.
11:02 PM	5 min.	13" of water	3/4" choke			51,400 C.F.P.D.
11:07 PM	5 min.	13" of water	3/4" choke			51,400 C.F.P.D.

SECOND FLOW						
12:08 AM	5 min.	22" of water	1" choke			121,600 C.F.P.D.
12:13 AM	5 min.	27" of water	3/4" choke			73,000 C.F.P.D.
12:18 AM	5 min.	28" of water	3/4" choke			75,100 C.F.P.D.
12:23 AM	5 min.	26" of water	3/4" choke			72,400 C.F.P.D.
12:28 AM	5 min.	25" of water	3/4" choke			71,700 C.F.P.D.
12:33 AM	5 min.	25" of water	3/4" choke			71,700 C.F.P.D.
12:38 AM	5 min.	24" of water	3/4" choke			69,500 C.F.P.D.
12:43 AM	5 min.	24" of water	3/4" choke			69,500 C.F.P.D.
12:48 AM	5 min.	24" of water	3/4" choke			69,500 C.F.P.D.
12:53 AM	5 min.	24" of water	3/4" choke			69,500 C.F.P.D.
12:58 AM	5 min.	24" of water	3/4" choke			69,500 C.F.P.D.
1:03 AM	5 min.	24" of water	3/4" choke			69,500 C.F.P.D.

GAS BOTTLE

Serial No. _____ Date Bottle Filled _____ Date to be Invoiced **10-15-75**

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% per month, equal to 12% 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 **Robert E. Campbell**

Authorized by **Innes Phillips**

TKT # 25442

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