

19-195-21w

Home Office: Great Bend, Kansas
P. O. Box 793 GLadstone 3-7903

Company	Pickrell Drilling Company	Lease & Well No.	Gneisch #2
Elevation	2299 Derrick Floor	Formation	Miss.
Date	June 18, 1965	Ticket Number	5009
Sec.	Twp.	Range	County
			Ness
Test Approved by	K. W. Johnson	State	Kansas
		Western Representative	F. A. Blagrove

Formation Test No. 1 O.K. ☒ Misrun _____ Interval Tested From 4375' 4432' Total Depth 4432'
Size Main Hole 7 7/8 Hole none Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No
Packer Depth 4370 Ft. Size 6 3/4 Packer Depth 4375 Ft. Size 6 3/4

Straddle_____Yes ☒ No_____ Conv._____B.T._____ Damaged_____Yes_____No_____

Packer Depth_____Ft. Size_____

Tool Size 5 1/2 OD Tool Jt. Size 4 1/2 FH Anchor Length 57 Ft. Size 5 1/2 OD

RECORDERS Depth 4389 Ft. Clock No. 6774 Depth 4392 Ft. Clock No. 151

Top Make Amerada Cap. 4300 No. 1567 Inside Outside Bottom Make Western Cap. 3600 No. 30 Inside Outside

Below Straddle: Depth_____ Clock No._____
Inside
Outside

Depth_____ Ft. Clock No._____
Inside
Outside

Top Make _____ Cap. _____ No. _____ Inside _____
Outside _____

Bottom Make _____ Cap. _____ No. _____ Inside _____
Outside _____

Time Set Packer 8:58 P M

Tool Open I.F.P. From 9:00 P M to 9:05 M Hr. 5 Min. From (B) 26 P.S.I. To (C) 26 P.S.I.

Tool Closed I.C.I.P. From 9:05 M. to 9:35 M. Hr. 30 Min. (D) 1251 P.S.I.

Tool Open F.F.P. From 9:35P M. to 11:00 P.M Hr. 25 Min. From (E) 34 P.S.I. To (F) 67 P.S.I.

Tool Closed F.C.I.P. From 11:00P to 11:30P Hr. 30 Min. (G) 1019 P.S.I.

Initial Hydrostatic Pressure (A) 2348 P.S.I. Final Hydrostatic Pressure (H) 2339 P.S.I.

SURFACE	Size Choke	Max. Press. P.S.I.	Time	Description of Flow
	3/8 In.			

INFORMATION _____ M. _____

None when opened M. _____

_____ M. _____

Weak on I. F. Weak and intermittent after 1st flush 8 minutes: weak/ Bottom Choke Size 3/4 In.

Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. _____ 30' oil cut mud; 60' very slightly oil cut mud _____

Reversed Out Yes ☒ No Mud Type starch Viscosity 50 Weight 10.2 Maximum Temp. 121 °F

EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size no Make no Ser. No. no

Type Circ. Sub. plug Did Tool Plug? no Where? _____ Did Packer Hold? yes

Length Drill Pipe 3337 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 1020 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars none ft.

I. D. Drill Collars_____in. Length D.S.T. Tool_____18 ft.

Remarks

Flushed tool at 15 minutes and 35 minutes .

WESTERN TESTING CO., INC. Pressure Data

Date June 18, 1965 Test Ticket No. 5009
Recorder No. 1567 Capacity 4300 Location 4389 Ft.
Clock No. 6774 Elevation 2299 Derrick Floor Well Temperature 121 °F

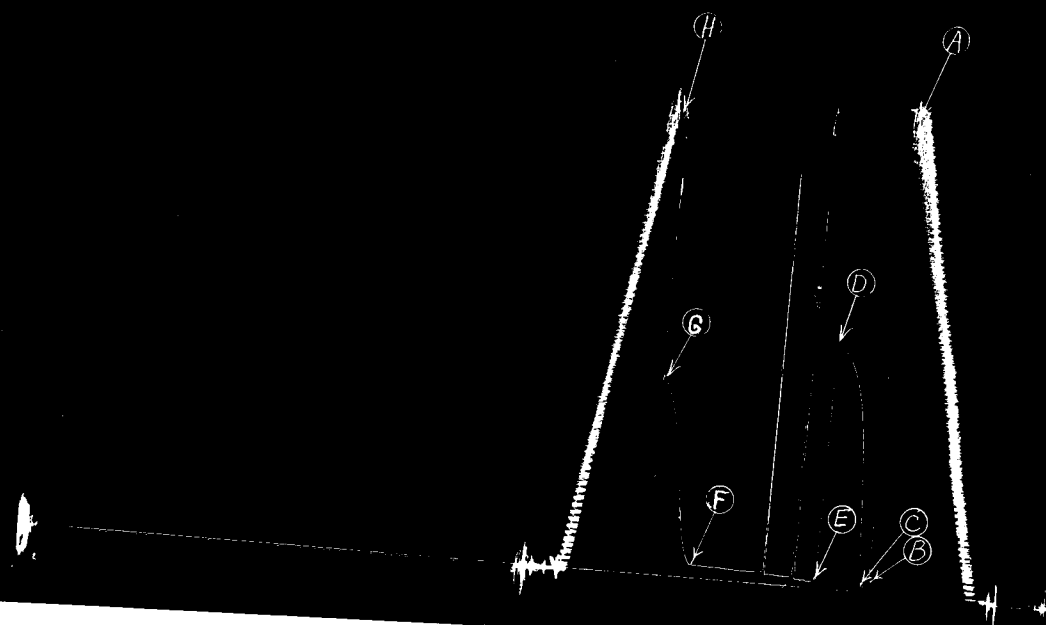
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2348</u> P.S.I.	<u>9:00 P</u>	<u>9:00</u>
B First Initial Flow Pressure	<u>26</u> P.S.I.	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>26</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1251</u> P.S.I.	<u>85</u> Mins.	<u>85</u> Mins.
E Second Initial Flow Pressure	<u>34</u> P.S.I.	<u>30</u> Mins.	<u>29</u> Mins.
F Second Final Flow Pressure	<u>67</u> P.S.I.		
G Final Closed-in Pressure	<u>1019</u> P.S.I.		
H Final Hydrostatic Mud	<u>2339</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
Breakdown: <u>1</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>17</u> Inc.		Breakdown: <u>9</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>2</u> Min.	
P 1	<u>0</u> <u>26</u>	<u>0</u> <u>26</u>	<u>0</u> <u>34</u>	<u>0</u> <u>67</u>			
P 2	<u>5</u> <u>26</u>	<u>3</u> <u>237</u>	<u>5</u> <u>34</u>	<u>3</u> <u>110</u>			
P 3	<u>6</u> <u>584</u>	<u>10</u> <u>38</u>	<u>6</u> <u>179</u>				
P 4	<u>9</u> <u>853</u>	<u>15</u> <u>46</u>	<u>9</u> <u>535</u>				
P 5	<u>12</u> <u>971</u>	<u>20</u> <u>46</u>	<u>12</u> <u>509</u>				
P 6	<u>15</u> <u>1070</u>	<u>25</u> <u>46</u>	<u>15</u> <u>689</u>				
P 7	<u>18</u> <u>1139</u>	<u>30</u> <u>46</u>	<u>18</u> <u>829</u>				
P 8	<u>21</u> <u>1178</u>	<u>35</u> <u>49</u>	<u>21</u> <u>905</u>				
P 9	<u>24</u> <u>1215</u>	<u>40</u> <u>49</u>	<u>24</u> <u>972</u>				
P 10	<u>27</u> <u>1238</u>	<u>45</u> <u>51</u>	<u>27</u> <u>1011</u>				
P 11	<u>30</u> <u>1251</u>	<u>50</u> <u>51</u>	<u>29</u> <u>1019</u>				
P 12	<u>55</u> <u>53</u>						
P 13	<u>60</u> <u>54</u>						
P 14	<u>65</u> <u>55</u>						
P 15	<u>70</u> <u>57</u>						
P 16	<u>75</u> <u>60</u>						
P 17	<u>80</u> <u>63</u>						
P 18	<u>85</u> <u>67</u>						
P 19							
P 20							

PICKRELL DRILLING CO.
GNEISCH #2

TEST #1
TKT 5007



This is an actual photograph of recorder chart.

POINT

PRESSURE

(A) Initial Hydrostatic Mud	2348	PSI
(B) First Initial Flow Pressure	26	PSI
(C) First Final Flow Pressure	26	PSI
(D) Initial Closed-in Pressure	1251	PSI
(E) Second Initial Flow Pressure	34	PSI
(F) Second Final Flow Pressure	67	PSI
(G) Final Closed-in Pressure	1019	PSI
(H) Final Hydrostatic Mud	2339	PSI



Home Office: Great Bend, Kansas
P. O. Box 793 Gladstone 3-7903

Company Pickrell Drilling Company Lease & Well No. gneisch #2
Elevation 2299 Derrick Floor Formation Miss. Ticket Number 5010
Date June 19, 1965 Sec. _____ Twp. _____ Range _____ County Ness State Kansas
Test Approved by K. W. Johnson Western Representative F A Blagrave

Formation Test No. 2 O.K. ☒ Misrun _____ Interval Tested From 4432' to 4437' Total Depth 4437'
Size Main Hole 7 7/8 Rat Hole none Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No _____
Packer Depth 4427 Ft. Size 6 3/4 Packer Depth 4432 Ft. Size 6 3/4
Straddle _____ Yes ☒ No _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No _____

Tool Size 5 1/2 OD Tool Jt. Size 4 1/2 FH Anchor Length 5 Ft. Size 5 1/2 OD
RECORDERS Depth 4418 Ft. Clock No. 6774 Depth 4434 Ft. Clock No. 151
Top Make Amerada Cap. 4300 No. 1567 Inside Outside Bottom Make Western Cap. 3600 No. 30 Inside Outside
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Time Set Packer 9:10 A _____ M
Tool Open I.F.P. From 9:12 AM to 9:17A M. Hr. 5 Min. From (B) 11 P.S.I. To (C) 11 P.S.I.
Tool Closed I.C.I.P. From 9:17A M. to 9:47A M. Hr. 30 Min. (D) 1279 P.S.I.
Tool Open F.F.P. From 9:47 A.M. to 10:35A Hr. 48 Min. From (E) 17 P.S.I. To (F) 25 P.S.I.
Tool Closed F.C.I.P. From 10:35A to 11:06A Hr. 30 Min. (G) 1064 P.S.I.
Initial Hydrostatic Pressure (A) 2481 P.S.I. Final Hydrostatic Pressure (H) 2473 P.S.I.

SURFACE Size Choke 3/8 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW Weak blow for five minutes. Bottom Choke Size 3/4 In.

Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 25' slightly oil cut mud; 5' oil cut mud Mud _____

Reversed Out _____ Yes ☒ No _____ Mud Type starch Viscosity 52 Weight 10.2 Maximum Temp. 121 °F

EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size no Make _____ Ser. No. _____

Type Circ. Sub. plug Did Tool Plug? no Where? _____ Did Packer Hold? yes

Length Drill Pipe 3356 ft. I.D. Drill Pipe 3.8 in Length Weight Pipe 1050 ft. I.D. Weight Pipe 2.7 in Length Drill Collars none ft.

I. D. Drill Collars _____ in Length D.S.T. Tool 24 ft.

Remarks

Flushed tool at 15 minutes and 30 minutes open.

WESTERN TESTING CO., INC. Pressure Data

Date June 19, 1965 Test Ticket No. 5010
Recorder No. 1567 Capacity 4300 Location 4418 Ft.
Clock No. 6774 Elevation 2299 Derrick Floor Well Temperature 121 °F

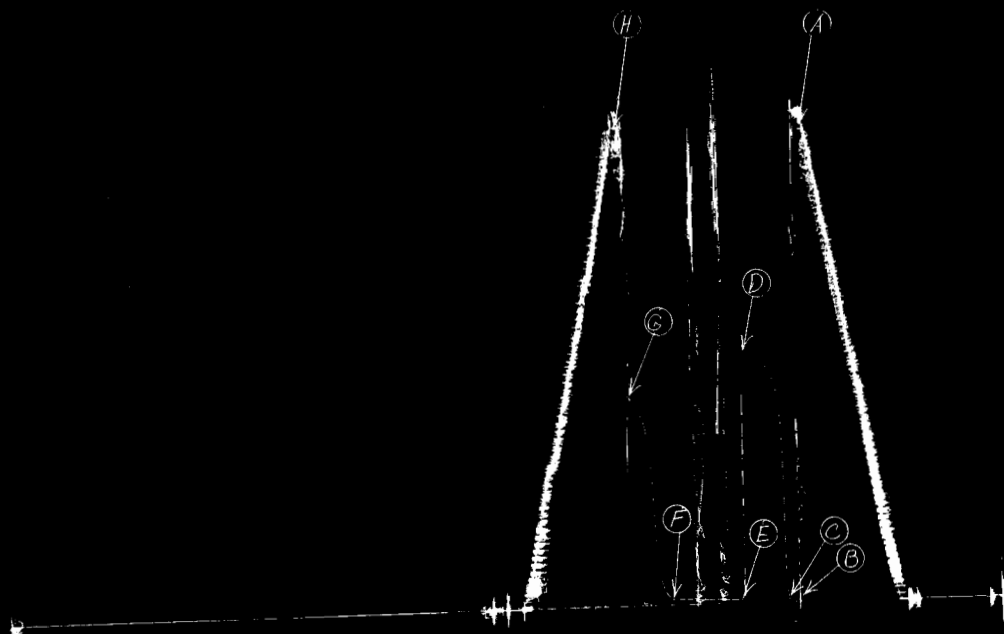
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2481</u> P.S.I.	<u>9:12 A</u>	<u>M 9:12</u>
B First Initial Flow Pressure	<u>11</u> P.S.I.	<u>5</u> Mins.	<u>6</u> Mins.
C First Final Flow Pressure	<u>11</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1279</u> P.S.I.	<u>48</u> Mins.	<u>48</u> Mins.
E Second Initial Flow Pressure	<u>17</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>25</u> P.S.I.		
G Final Closed-in Pressure	<u>1064</u> P.S.I.		
H Final Hydrostatic Mud	<u>2473</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	Breakdown: <u>1</u> Inc. of <u>5</u> mins. and a final inc. of <u>1</u> Min.	Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>3</u> Min.	Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.			
P 1	<u>0</u> <u>11</u>	<u>0</u> <u>11</u>	<u>0</u> <u>17</u>	<u>0</u> <u>45</u>			
P 2	<u>5</u> <u>11</u>	<u>3</u> <u>248</u>	<u>5</u> <u>17</u>	<u>3</u> <u>49</u>			
P 3	<u>6</u> <u>11</u>	<u>6</u> <u>763</u>	<u>10</u> <u>17</u>	<u>6</u> <u>86</u>			
P 4		<u>9</u> <u>1107</u>	<u>15</u> <u>17</u>	<u>9</u> <u>173</u>			
P 5		<u>12</u> <u>1166</u>	<u>20</u> <u>19</u>	<u>12</u> <u>472</u>			
P 6		<u>15</u> <u>1202</u>	<u>25</u> <u>19</u>	<u>15</u> <u>769</u>			
P 7		<u>18</u> <u>1223</u>	<u>30</u> <u>23</u>	<u>18</u> <u>918</u>			
P 8		<u>21</u> <u>1241</u>	<u>35</u> <u>23</u>	<u>21</u> <u>978</u>			
P 9		<u>24</u> <u>1258</u>	<u>40</u> <u>23</u>	<u>24</u> <u>1017</u>			
P 10		<u>27</u> <u>1268</u>	<u>45</u> <u>25</u>	<u>27</u> <u>1045</u>			
P 11		<u>30</u> <u>1279</u>	<u>48</u> <u>25</u>	<u>30</u> <u>1064</u>			
P 12							
P 13							
P 14							
P 15							
P 16							
P 17							
P 18							
P 19							
P 20							

Fickrell Drilling Co.
Gneisch #2

Test #2
THI #5010



This is an actual photograph of recorder chart.

POINT

PRESSURE

(A) Initial Hydrostatic Mud	2481	PSI
(B) First Initial Flow Pressure	11	PSI
(C) First Final Flow Pressure	11	PSI
(D) Initial Closed-in Pressure	1279	PSI
(E) Second Initial Flow Pressure	17	PSI
(F) Second Final Flow Pressure	25	PSI
(G) Final Closed-in Pressure	1064	PSI
(H) Final Hydrostatic Mud	2473	PSI



Home Office: Great Bend, Kansas

P. O. Box 793 Gladstone 3-7903

Company Pickrell Drilling Company Lease & Well No. Gneisch #2
Elevation 2299 Derrick Floor Formation Miss. Ticket Number 5011
Date June 20, 1965 Sec. _____ Twp. _____ Range _____ County Ness State Kansas
Test Approved by K. W. Johnson Western Representative F. A. Blagrave

Formation Test No. 3 O.K. ☒ Misrun _____ Interval Tested From 4432' to 4447' Total Depth 4447'
Size Main Hole 7 7/8 Rat Hole none Conv. ☒ B.T. _____ Damaged Yes ☒ No _____ Conv. _____ B.T. ☒ Damaged Yes ☒ No _____
Packer Depth 4427 Ft. Size 6 3/4 Packer Depth 4432 Ft. Size 6 3/4

Straddle _____ Yes ☒ No _____ Conv. _____ B.T. _____ Damaged Yes _____ No _____

Packer Depth _____ Ft. Size _____

Tool Size 5 1/2 OD Tool Jt. Size 4 1/2 FH Anchor Length 15 Ft. Size 5 1/2 OD
RECORDERS Depth 4436 Ft. Clock No. 6774 Depth 4439 Ft. Clock No. 148
Top Make Amerada Cap. 4300 No. 1567 Inside _____ Outside _____ Bottom Make Western Cap. 3600 No. 30 Inside _____ Outside _____
Below Straddle: Depth _____ Clock No. _____ Outside _____ Depth _____ Ft. Clock No. _____ Outside _____
Top Make _____ Cap. _____ No. _____ Inside _____ Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Time Set Packer 9:43 P M

Tool Open I.F.P. From 9:45P to 9:50P Hr. 5 Min. From (B) 23 P.S.I. To (C) 23 P.S.I.
Tool Closed I.C.I.P. From 9:50P M. to 10:20P M. Hr. 30 Min. (D) 1291 P.S.I.
Tool Open F.F.P. From 10:20P M. to 12:20A M. 2 Hr. Min. From (E) 41 P.S.I. To (F) 103 P.S.I.
Tool Closed F.C.I.P. From 12:20A to 12:50A M. Hr. 30 Min. (G) 1015 P.S.I.
Initial Hydrostatic Pressure (A) 2486 P.S.I. Final Hydrostatic Pressure (H) 2471 P.S.I.

SURFACE Size Choke 3/8 Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW Weak blow throughout Bottom Choke Size _____ In.

Did Well Flow Yes ☒ No _____ Recovery Total Ft. 30' clean oil; 60' very heavy oil cut mud; 60' watery oil
cut mud; 60' muddy oily water' Mud

Reversed Out Yes ☒ No _____ Mud Type starch Viscosity 50 Weight 10.2 Maximum Temp. _____ °F

EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size no Make _____ Ser. No. _____

Type Circ. Sub. plug Did Tool Plug? no Where? _____ Did Packer Hold? yes

Length Drill Pipe 3364 ft. I.D. Drill Pipe 3.8 in Length Weight Pipe 1050 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars none ft.

I. D. Drill Collars _____ in. Length D.S.T. Tool 18 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date June 20, 1965 Test Ticket No. 5011
 Recorder No. 1567 Capacity 4300 Location 4436 Ft.
 Clock No. 6774 Elevation 2299 Derrick Floor Well Temperature 88 °F

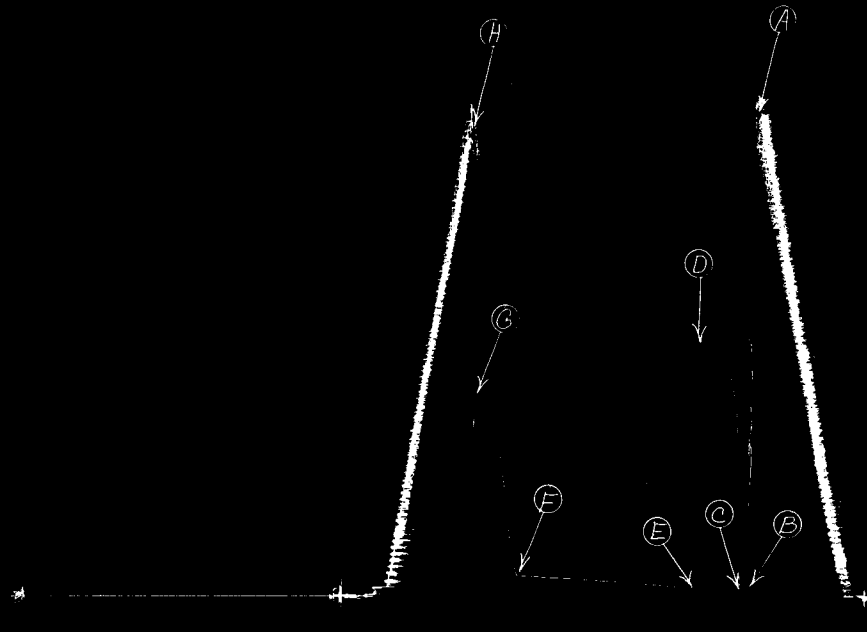
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2486</u> P.S.I.	<u>9:45 P M</u>	<u>9:45</u>
B First Initial Flow Pressure	<u>23</u> P.S.I.	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>23</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1291</u> P.S.I.	<u>120</u> Mins.	<u>120</u> Mins.
E Second Initial Flow Pressure	<u>41</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>103</u> P.S.I.		
G Final Closed-in Pressure	<u>1015</u> P.S.I.		
H Final Hydrostatic Mud	<u>2471</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
Breakdown: <u>1</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>24</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> ins. 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.	
P 1 <u>0</u>	<u>23</u>	<u>0</u>	<u>23</u>	<u>0</u>	<u>41</u>	<u>0</u>	<u>108</u>
P 2 <u>5</u>	<u>23</u>	<u>3</u>	<u>271</u>	<u>5</u>	<u>43</u>	<u>3</u>	<u>205</u>
P 3		<u>6</u>	<u>967</u>	<u>10</u>	<u>45</u>	<u>6</u>	<u>341</u>
P 4		<u>9</u>	<u>1090</u>	<u>15</u>	<u>49</u>	<u>9</u>	<u>540</u>
P 5		<u>12</u>	<u>1165</u>	<u>20</u>	<u>52</u>	<u>12</u>	<u>687</u>
P 6		<u>15</u>	<u>1206</u>	<u>25</u>	<u>58</u>	<u>15</u>	<u>809</u>
P 7		<u>18</u>	<u>1232</u>	<u>30</u>	<u>61</u>	<u>18</u>	<u>885</u>
P 8		<u>21</u>	<u>1256</u>	<u>35</u>	<u>65</u>	<u>21</u>	<u>928</u>
P 9		<u>24</u>	<u>1271</u>	<u>40</u>	<u>68</u>	<u>24</u>	<u>967</u>
P 10		<u>27</u>	<u>1284</u>	<u>45</u>	<u>71</u>	<u>27</u>	<u>997</u>
P 11		<u>30</u>	<u>1291</u>	<u>50</u>	<u>73</u>	<u>30</u>	<u>1015</u>
P 12				<u>55</u>	<u>75</u>		
P 13				<u>60</u>	<u>77</u>		
P 14				<u>65</u>	<u>79</u>		
P 15				<u>70</u>	<u>82</u>		
P 16				<u>75</u>	<u>85</u>		
P 17				<u>80</u>	<u>87</u>		
P 18				<u>85</u>	<u>88</u>		
P 19				<u>90</u>	<u>90</u>		
P 20				<u>95</u>	<u>92</u>		
				<u>100</u>	<u>95</u>		
				<u>105</u>	<u>98</u>		
				<u>110</u>	<u>100</u>		
				<u>115</u>	<u>101</u>		
				<u>120</u>	<u>103</u>		

PICKRELL DRILLING CO.
GNEISS #2

TEST #3
T.K.T. # 5011



This is an actual photograph of recorder chart.

POINT

PRESSURE

(A)	Initial Hydrostatic Mud	2486	PSI
(B)	First Initial Flow Pressure	23	PSI
(C)	First Final Flow Pressure	23	PSI
(D)	Initial Closed-in Pressure	1291	PSI
(E)	Second Initial Flow Pressure	41	PSI
(F)	Second Final Flow Pressure	103	PSI
(G)	Final Closed-in Pressure	1015	PSI
(H)	Final Hydrostatic Mud	2471	PSI