



HALL - GURNEY

Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company **Ted Gore** Lease & Well No. **Miller #5**
Elevation **1738 Kelly Bushings** Formation **Arbuckle** Effective Pay _____ Ft. Ticker No. **13759**
Date **2-14-71** Sec. **15** Twp. **15S** Range **12W** County **Russell** State **Kansas**
Test Approved by **Steve Powell** Western Representative **Dean Blagrave**
Formation Test No. **1** O.K. ☒ Misrun _____ Interval Tested From **3143'** to **3173'** Total Depth **3173'**
Size Main Hole **7 7/8"** Cat Hole _____ Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No
Packer Depth **3138** Ft. Size **6 3/4"** Packer Depth **3143** Ft. Size **6 3/4"**
Straddle _____ Yes _____ No ☒ Conv. _____ B.T. _____ Damaged _____ Yes _____ No
Packer Depth _____ Ft. Size _____
Tool Size **5 1/2" O.D.** Tool Jt. Size **4 1/2" XH** Anchor Length **30** Ft. Size **5 1/2" O.D.**
RECORDERS Depth **3164** Ft. Clock No. **6899** Depth **3167** Ft. Clock No. **7102**
Top Make **Kuster** Cap. **4000** No. **3659** Inside ~~Outside~~ Bottom Make **Kuster** Cap. **4000** No. **3660** ~~Inside~~ Outside
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____
Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____
Time Set Packer **3:19 A.** M
Tool Open I.F.P. From **3:20** M. to **3:30** M. Hr. **10** Min. From (B) **22** P.S.I. To (C) **24** P.S.I.
Tool Closed I.C.I.P. From **3:30** M. to **4:00A.** M. Hr. **30** Min. (D) **1031** P.S.I.
Tool Open F.F.P. From **4:00** M. to **5:30A.** M. Hr. **30** Min. From (E) **23** P.S.I. To (F) **50** P.S.I.
Tool Closed F.C.I.P. From **5:30** M. to **6:30A.** M. Hr. **1** Min. (G) **1029** P.S.I.
Initial Hydrostatic Pressure (A) **1087** P.S.I. Final Hydrostatic Pressure (H) **1684** P.S.I.
SURFACE Size Choke **1/4** In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____
BLOW **Weak increasing to fair** Bottom Choke Size **3/4** In.
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. **100 feet total - 55 feet clean oil - 45 feet oil cut mud**
Reversed Out _____ Yes ☒ No _____ Mud Type **Starch** Viscosity **43** Weight **10.1** Water Loss **11** cc. Maximum Temp. **113** °F
Type Circ. Sub. **Plug** Did Tool Plug? **No** Jars: Size _____ Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers **Yes** Safety Joint **No** Did Packer Hold? **Yes** Where? _____
Length Drill Pipe **3150** ft. I.D. Drill Pipe **3.8** in. Length Weight Pipe **None** ft. I.D. Weight Pipe _____ in. Length Drill Collars **None** ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool **48** ft.
Remarks _____

WESTERN TESTING CO., INC.

Pressure Data

Date 3-14-71 Test Ticket No. 13759
 Recorder No. 3659 Capacity 4000 Location 3164 Ft.
 Clock No. 6899 Elevation 1738 Kelly Bushings Well Temperature 113 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1087</u> P.S.I.	Open Tool	<u>3:19</u> A _M	
B First Initial Flow Pressure	<u>22</u> P.S.I.	First Flow Pressure	<u>10</u> Mins.	<u>10</u> Mins.
C First Final Flow Pressure	<u>24</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1031</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>90</u> Mins.
E Second Initial Flow Pressure	<u>28</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>50</u> P.S.I.			
G Final Closed-in Pressure	<u>1029</u> P.S.I.			
H Final Hydrostatic Mud	<u>1684</u> P.S.I.			

PRESSURE BREAKDOWN

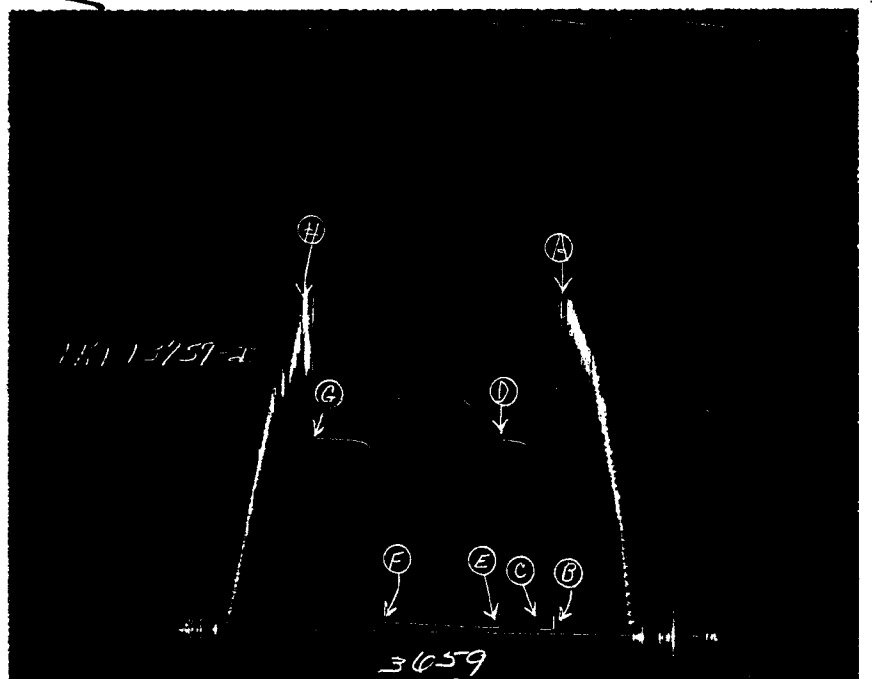
First Flow Pressure
 Breakdown: 2 Inc.
 of 5 mins. and a
 final inc. of 1 Min.

Initial Shut-In
 Breakdown: 10 Inc.
 of 3 mins. and a
 final inc. of Min.

Second Flow Pressure
 Breakdown: 18 Inc.
 of 5 mins. and a
 final inc. of Min.

Final Shut-In
 Breakdown: 20 Inc.
 of 3 mins. and a
 final inc. of Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>22</u>	<u>0</u>	<u>24</u>	<u>0</u>	<u>28</u>	<u>0</u>	<u>50</u>
P 2 <u>5</u>	<u>22</u>	<u>3</u>	<u>679</u>	<u>5</u>	<u>28</u>	<u>3</u>	<u>182</u>
P 3 <u>10</u>	<u>23</u>	<u>6</u>	<u>827</u>	<u>10</u>	<u>28</u>	<u>6</u>	<u>645</u>
P 4 <u>11</u>	<u>24</u>	<u>9</u>	<u>973</u>	<u>15</u>	<u>28</u>	<u>9</u>	<u>368</u>
P 5 <u> </u>	<u> </u>	<u>12</u>	<u>1000</u>	<u>20</u>	<u>28</u>	<u>12</u>	<u>948</u>
P 6 <u> </u>	<u> </u>	<u>15</u>	<u>1015</u>	<u>25</u>	<u>28</u>	<u>15</u>	<u>984</u>
P 7 <u> </u>	<u> </u>	<u>18</u>	<u>1021</u>	<u>30</u>	<u>32</u>	<u>18</u>	<u>1000</u>
P 8 <u> </u>	<u> </u>	<u>21</u>	<u>1025</u>	<u>35</u>	<u>34</u>	<u>21</u>	<u>1067</u>
P 9 <u> </u>	<u> </u>	<u>24</u>	<u>1027</u>	<u>40</u>	<u>34</u>	<u>24</u>	<u>1012</u>
P 10 <u> </u>	<u> </u>	<u>27</u>	<u>1029</u>	<u>45</u>	<u>36</u>	<u>27</u>	<u>1017</u>
P 11 <u> </u>	<u> </u>	<u>30</u>	<u>1031</u>	<u>50</u>	<u>37</u>	<u>30</u>	<u>1019</u>
P 12 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>55</u>	<u>39</u>	<u>33</u>	<u>1021</u>
P 13 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>60</u>	<u>41</u>	<u>36</u>	<u>1023</u>
P 14 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>65</u>	<u>43</u>	<u>39</u>	<u>1024</u>
P 15 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>70</u>	<u>44</u>	<u>42</u>	<u>1025</u>
P 16 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>75</u>	<u>45</u>	<u>45</u>	<u>1026</u>
P 17 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>80</u>	<u>46</u>	<u>48</u>	<u>1027</u>
P 18 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>85</u>	<u>48</u>	<u>51</u>	<u>1028</u>
P 19 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>90</u>	<u>50</u>	<u>54</u>	<u>1028</u>
P 20 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>57</u>	<u>1029</u>
						<u>60</u>	<u>1029</u>



Horner Time

