



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

Company Beacon Resources Corp. Lease & Well No. Cline-Mills # 1
Elevation 1938 Kelly Bushing Formation Winfield Effective Pay _____ Ft. Ticket No. 12993
Date 11-22-69 Sec. 31 Twp. 32 Range 14 County Barber State Kansas
Test Approved by Harold Steinmap Western Representative George Tew

Formation Test No. 1 O.K. ☒ Misrun _____ Interval Tested From 2587' to 2630' Total Depth 2630'
Size Main Hole 7 7/8 Rat Hole _____ Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No
Packer Depth 2587 Ft. Size 6 3/4 Packer Depth 2582 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 43 Ft. Size 5 1/2" OD

RECORDERS Depth 2617 Ft. Clock No. 6896 Depth 2620 Ft. Clock No. 9727
Top Make Kuster Cap. 4500 No. 3086 Inside _____ Outside _____ Bottom Make Kuster Cap. 4300 No. 1556 Inside _____ Outside _____
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Time Set Packer 5:33P M
Tool Open I.F.P. From 5:35 M. to 5:50P M. Hr. 15 Min. From (B) 47 P.S.I. To (C) 101 P.S.I.
Tool Closed I.C.I.P. From 5:50 M. to 6:35P M. Hr. 45 Min. (D) 936 P.S.I.
Tool Open F.F.P. From 6:35 M. to 7:35P M. 1 Hr. - Min. From (E) 89 P.S.I. To (F) 160 P.S.I.
Tool Closed F.C.I.P. From 7:35 M. to 8:20P M. Hr. 45 Min. (G) 954 P.S.I.
Initial Hydrostatic Pressure (A) 1280 P.S.I. Final Hydrostatic Pressure (H) 1278 P.S.I.

SURFACE Size Choke 3/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW Strong-- Gasto surface in 75 minutes to small to measure Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 350 feet total--50 feet gas cut mud--120 feet thin
mud-- 180 feet muddy water

Reversed Out _____ Yes ☒ No _____ Mud Type starch Viscosity 32 Weight 9.7 Water Loss _____ cc. Maximum Temp. 92 °F
Type Circ. Sub. plug Did Tool Plug? no Jars: Size 4 1/2" OD Make WTC Ser. No. 407
EXTRA EQUIPMENT: Dual Packers yes Safety Joint yes Did Packer Hold? yes Where? _____
Length Drill Pipe 2560 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe _____ ft. I.D. Weight Pipe _____ in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 70 ft.

Remarks Gas burned-- Sample was taken

WESTERN TESTING CO., INC.

Pressure Data

Date 11-22-69 Test Ticket No. 12993
 Recorder No. 3086 Capacity 4500 Location 2617 Ft.
 Clock No. 6896 Elevation 1938 Kelly Bushing Well Temperature 92 °F

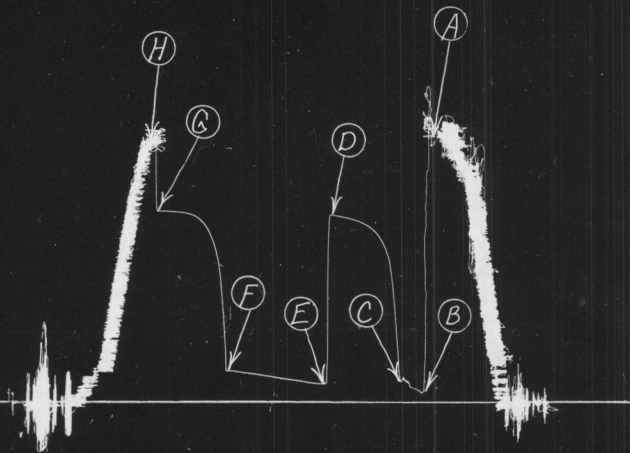
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1280</u> P.S.I.	Open Tool	<u>5:33P</u> M	
B First Initial Flow Pressure	<u>47</u> P.S.I.	First Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>101</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>936</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>89</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>160</u> P.S.I.			
G Final Closed-in Pressure	<u>954</u> P.S.I.			
H Final Hydrostatic Mud	<u>1278</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>12</u> Inc.		Breakdown: <u>15</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 _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>47</u>	<u>0</u>	<u>101</u>	<u>0</u>	<u>89</u>	<u>0</u>	<u>160</u>
P 2 <u>5</u>	<u>66</u>	<u>3</u>	<u>352</u>	<u>5</u>	<u>90</u>	<u>3</u>	<u>443</u>
P 3 <u>10</u>	<u>85</u>	<u>6</u>	<u>629</u>	<u>10</u>	<u>100</u>	<u>6</u>	<u>711</u>
P 4 <u>15</u>	<u>101</u>	<u>9</u>	<u>764</u>	<u>15</u>	<u>105</u>	<u>9</u>	<u>812</u>
P 5 _____		<u>12</u>	<u>809</u>	<u>20</u>	<u>118</u>	<u>12</u>	<u>880</u>
P 6 _____		<u>15</u>	<u>846</u>	<u>25</u>	<u>121</u>	<u>15</u>	<u>905</u>
P 7 _____		<u>18</u>	<u>860</u>	<u>30</u>	<u>123</u>	<u>18</u>	<u>925</u>
P 8 _____		<u>21</u>	<u>881</u>	<u>35</u>	<u>135</u>	<u>21</u>	<u>930</u>
P 9 _____		<u>24</u>	<u>898</u>	<u>40</u>	<u>139</u>	<u>24</u>	<u>947</u>
P10 _____		<u>27</u>	<u>906</u>	<u>45</u>	<u>144</u>	<u>27</u>	<u>952</u>
P11 _____		<u>30</u>	<u>916</u>	<u>50</u>	<u>151</u>	<u>30</u>	<u>952</u>
P12 _____		<u>33</u>	<u>920</u>	<u>55</u>	<u>155</u>	<u>33</u>	<u>954</u>
P13 _____		<u>36</u>	<u>927</u>	<u>60</u>	<u>160</u>	<u>36</u>	<u>954</u>
P14 _____		<u>39</u>	<u>930</u>			<u>39</u>	<u>954</u>
P15 _____		<u>42</u>	<u>933</u>			<u>42</u>	<u>954</u>
P16 _____		<u>45</u>	<u>936</u>			<u>45</u>	<u>954</u>
P17 _____							
P18 _____							
P19 _____							
P20 _____							

Beacon Res. Corp.
cline-mills #1

T.K.T. # 12993
Test # 1





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

Company Beacon Resources Corp. Lease & Well No. Cline-Mills # 1

Elevation 1938 Kelly Bushing Formation Foraker Effective Pay _____ Ft. Ticket No. 12994

Date 11-23-69 Sec. 31 Twp. 32 Range 14W County Barber State Kansas

Test Approved by Harold Steincamp Western Representative George Tew

Formation Test No. 2 O.K. ☒ Misrun _____ Interval Tested From 2965' to 3000' Total Depth 3000'

Size Main Hole 7 7/8" Rat Hole _____ Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No

Packer Depth 2965 Ft. Size 6 3/4 Packer Depth 2960 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 35 Ft. Size 5 1/2" OD

RECORDERS Depth 2992 Ft. Clock No. 6896 Depth 2995 Ft. Clock No. 9727

Top Make Kuster Cap. 4500 No. 3086 Inside Bottom Make Kuster Cap. 4300 No. 1556 Inside

Below Straddle: Depth _____ Clock No. _____ Inside Depth _____ Ft. Clock No. _____ Inside

Top Make _____ Cap. _____ No. _____ Inside Bottom Make _____ Cap. _____ No. _____ Inside

Time Set Packer 5:13P M

Tool Open I.F.P. From 5:15 M. to 5:30P M. Hr. 15 Min. From (B) 41 P.S.I. To (C) 47 P.S.I.

Tool Closed I.C.I.P. From 5:30 M. to 6:15P M. Hr. 45 Min. (D) 1160 P.S.I.

Tool Open F.F.P. From 6:15 M. to 7:00P M. Hr. 45 Min. From (E) 54 P.S.I. To (F) 71 P.S.I.

Tool Closed F.C.I.P. From 7:00 M. to 7:45P M. Hr. 45 Min. (G) 1113 P.S.I.

Initial Hydrostatic Pressure (A) 1515 P.S.I. Final Hydrostatic Pressure (H) 1509 P.S.I.

SURFACE Size Choke 3/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____

INFORMATION _____ M. _____

_____ M. _____

_____ M. _____

BLOW Very weak thru out Bottom Choke Size 3/4 In.

Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 100 feet thin watery mud

Reversed Out _____ Yes ☒ No _____ Mud Type gel Viscosity 37 Weight 9.8 Water Loss 13.8 cc. Maximum Temp. 98 °F

Type Circ. Sub. plug Did Tool Plug? no Jars: Size 4 1/2" OD Make WTC Ser. No. 407

EXTRA EQUIPMENT: Dual Packers yes Safety Joint yes Did Packer Hold? yes Where? _____

Length Drill Pipe 2938 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe _____ ft. I.D. Weight Pipe _____ in. Length Drill Collars _____ ft.

I. D. Drill Collars _____ in. Length D.S.T. Tool 62 ft.

Remarks Flushed tool at 6:45PM

WESTERN TESTING CO., INC. Pressure Data

Date 11-23-69 Test Ticket No. 12994
 Recorder No. 3086 Capacity 4500 Location 2992 Ft.
 Clock No. 6896 Elevation 1938 Kelly Bushing Well Temperature 98 °F

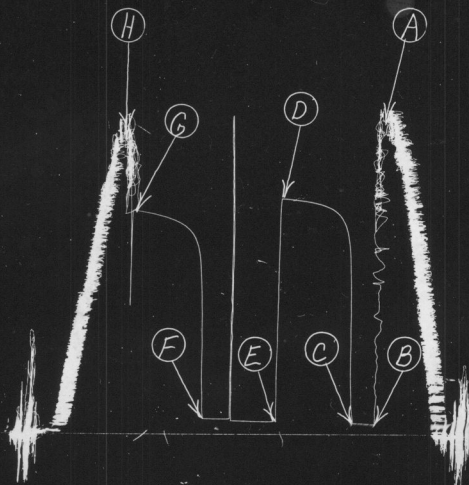
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1515</u> P.S.I.	Open Tool	<u>5:13P</u> M	
B First Initial Flow Pressure	<u>41</u> P.S.I.	First Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>47</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1160</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>54</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>71</u> P.S.I.			
G Final Closed-in Pressure	<u>1113</u> P.S.I.			
H Final Hydrostatic Mud	<u>1509</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>12</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>13</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 _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>41</u>	<u>0</u>	<u>47</u>	<u>0</u>	<u>54</u>	<u>0</u>	<u>71</u>
P 2 <u>5</u>	<u>42</u>	<u>3</u>	<u>485</u>	<u>5</u>	<u>54</u>	<u>3</u>	<u>585</u>
P 3 <u>10</u>	<u>44</u>	<u>6</u>	<u>868</u>	<u>10</u>	<u>56</u>	<u>6</u>	<u>920</u>
P 4 <u>15</u>	<u>47</u>	<u>9</u>	<u>1020</u>	<u>15</u>	<u>56</u>	<u>9</u>	<u>1009</u>
P 5 _____	_____	<u>12</u>	<u>1055</u>	<u>20</u>	<u>59</u>	<u>12</u>	<u>1015</u>
P 6 _____	_____	<u>15</u>	<u>1097</u>	<u>25</u>	<u>59</u>	<u>15</u>	<u>1039</u>
P 7 _____	_____	<u>18</u>	<u>1109</u>	<u>30</u> <u>plugging action</u>	_____	<u>18</u>	<u>1055</u>
P 8 _____	_____	<u>21</u>	<u>1118</u>	<u>35</u>	<u>71</u>	<u>21</u>	<u>1065</u>
P 9 _____	_____	<u>24</u>	<u>1127</u>	<u>40</u>	<u>71</u>	<u>24</u>	<u>1078</u>
P10 _____	_____	<u>27</u>	<u>1133</u>	<u>45</u>	<u>71</u>	<u>27</u>	<u>1084</u>
P11 _____	_____	<u>30</u>	<u>1144</u>	<u>50</u>	_____	<u>30</u>	<u>1094</u>
P12 _____	_____	<u>33</u>	<u>1146</u>	_____	_____	<u>35</u>	<u>1105</u>
P13 _____	_____	<u>36</u>	<u>1150</u>	_____	_____	<u>40</u>	<u>1111</u>
P14 _____	_____	<u>39</u>	<u>1154</u>	_____	_____	<u>45</u>	<u>1113</u>
P15 _____	_____	<u>42</u>	<u>1158</u>	_____	_____	_____	_____
P16 _____	_____	<u>45</u>	<u>1160</u>	_____	_____	_____	_____
P17 _____	_____	_____	_____	_____	_____	_____	_____
P18 _____	_____	_____	_____	_____	_____	_____	_____
P19 _____	_____	_____	_____	_____	_____	_____	_____
P20 _____	_____	_____	_____	_____	_____	_____	_____

Beacon Res. Corp.
Cline-Mills #1

T.K.T.# 12994
Test # 2





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

Company Beacon Resources Corp. Lease & Well No. Cline-Mills #1
Elevation 1938 Kelly Bushings Formation Lansing Effective Pay _____ Ft. Ticket No. 12995
Date 11-27-69 Sec. 31 Twp. 32 Range 14W County Barber State Kansas
Test Approved by Harold Steincamp Western Representative George Tew
Formation Test No. 3 O.K. ☒ Misrun _____ Interval Tested From 4270' to 4290' Total Depth 4290'
Size Main Hole 7 7/8 Rat Hole None Conv. ☒ B.T. _____ Damaged 8 Yes ☒ No Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No
Packer Depth 4270 Ft. Size 6 3/4" Packer Depth 4265 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" F.H. Anchor Length 20 Ft. Size 5 1/2" O.D.
RECORDERS Depth 4280 Ft. Clock No. 6896 Depth 4283 Ft. Clock No. 9727
Top Make Kuster Cap. 4500 No. 3086 Inside Outside Bottom Make Kuster Cap. 4300 No. 1556 Inside Outside
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____
Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____
Time Set Packer 3:02 A. M
Tool Open I.F.P. From 3:05 M. to 3:20A. M. Hr. 15 Min. From (B) 1092 P.S.I. To (C) 1213 P.S.I.
Tool Closed I.C.I.P. From 3:20 M. to 4:05A. M. Hr. 45 Min. (D) 1535 P.S.I.
Tool Open F.F.P. From 4:05 M. to 5:05A. M. 1 Hr. Min. From (E) 1192 P.S.I. To (F) 1271 P.S.I.
Tool Closed F.C.I.P. From 5:05 M. to 5:50A. M. Hr. 45 Min. (G) 1531 P.S.I.
Initial Hydrostatic Pressure (A) 2280 P.S.I. Final Hydrostatic Pressure (H) 2270 P.S.I.
SURFACE Size Choke 3/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____
(See attached sheet)
BLOW Strong 0 Gas to surface in 1/2 minutes Bottom Choke Size 3/4 In.
Did Well Flow ☒ Yes _____ No _____ Recovery Total Ft. 15 feet Dist. _____
Reversed Out _____ Yes ☒ No _____ Mud Type Starch Viscosity 44 Weight 10.1 Water Loss 11.3 cc. Maximum Temp. 122 °F
Type Circ. Sub. Plug Did Tool Plug? No Jars: Size 4 1/20D Make WTC Ser. No. 407
EXTRA EQUIPMENT: Dual Packers Yes Safety Joint Yes Did Packer Hold? Yes Where? _____
Length Drill Pipe 4243 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe _____ ft. I.D. Weight Pipe _____ in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 47 ft.
Remarks Gas sample was taken - Gas burned - Well flowed mud during the remaining 55 minutes of final flow pressure



P. O. BOX 793
GREAT BEND, KANSAS

COMPANY Beacon Resources Corp. LEASE & WELL NO. Cline-Mills 1

TEST NO. 3 INTERVAL TESTED FROM 4270' TO 4290'

TIME PRE-FLOW	MAX PRESS. P.S.I.	DESCRIPTION OF FLOW
<u>5</u>	<u>12</u>	<u>2,530,000</u>
<u>10</u>	<u>20</u>	<u>3,310,000</u>
<u>15</u>	<u>30</u>	<u>4,260,000</u>

SECOND FLOW		
<u>5</u>	<u>40</u>	<u>5,210,000</u>
<u>10</u>	<u>60</u>	<u>7,120,000</u>
<u>15</u>	<u>65</u>	<u>7,600,000</u>
<u>20</u>	<u>65</u>	<u>7,600,000</u>
<u>30</u>	<u>62</u>	<u>7,300,000</u>
<u>40</u>	<u>65</u>	<u>7,600,000</u>
<u>50</u>	<u>65</u>	<u>7,600,000</u>

SIZE CHOKE 3/4 SURFACE 3/4 IN. 3/4 BOTTOM 3/4 IN.

REMARKS Gas to surface in 1/2 minute

Mud to surface (FFP) in 5 minutes

WESTERN TESTING CO., INC. Pressure Data

Date 11-27-69 Test Ticket No. 12995
Recorder No. 3086 Capacity 4500 Location 4280 Ft.
Clock No. 6896 Elevation 1938 Kelly Bushings Well Temperature 122 °F

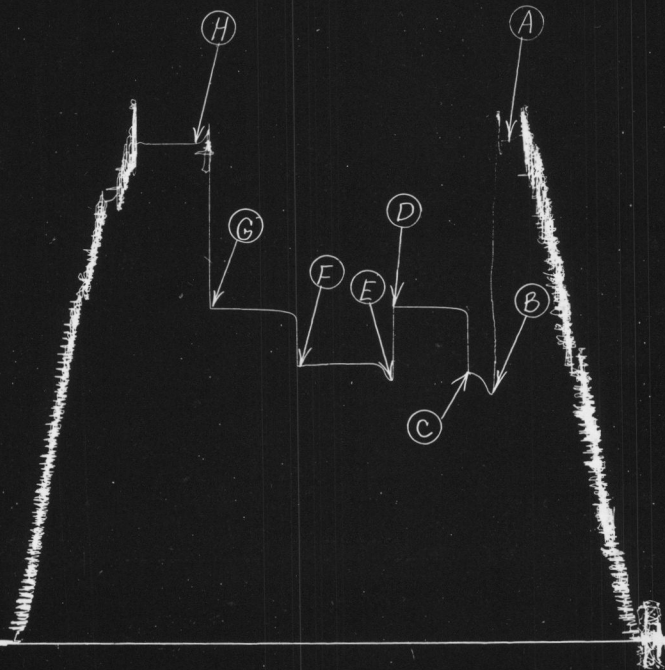
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2280</u> P.S.I.	Open Tool	<u>3:02</u> A _M	
B First Initial Flow Pressure	<u>1092</u> P.S.I.	First Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>1213</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1535</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>58</u> Mins.
E Second Initial Flow Pressure	<u>1192</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>1272</u> P.S.I.			
G Final Closed-in Pressure	<u>1531</u> P.S.I.			
H Final Hydrostatic Mud	<u>2270</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>11</u> Inc.		Breakdown: <u>15</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 _____ Min.		final inc. of _____ Min.		final inc. of <u>3</u> Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>1092</u>	<u>0</u>	<u>1213</u>	<u>0</u>	<u>1192</u>	<u>0</u>	<u>1271</u>
P 2 <u>5</u>	<u>1158</u>	<u>3</u>	<u>1514</u>	<u>5</u>	<u>1235</u>	<u>3</u>	<u>1504</u>
P 3 <u>10</u>	<u>1206</u>	<u>6</u>	<u>1523</u>	<u>10</u>	<u>1274</u>	<u>6</u>	<u>1511</u>
P 4 <u>15</u>	<u>1213</u>	<u>9</u>	<u>1523</u>	<u>15</u>	<u>1276</u>	<u>9</u>	<u>1516</u>
P 5 _____		<u>12</u>	<u>1528</u>	<u>20</u>	<u>1276</u>	<u>12</u>	<u>1518</u>
P 6 _____		<u>15</u>	<u>1530</u>	<u>25</u>	<u>1276</u>	<u>15</u>	<u>1520</u>
P 7 _____		<u>18</u>	<u>1532</u>	<u>30</u>	<u>1273</u>	<u>18</u>	<u>1523</u>
P 8 _____		<u>21</u>	<u>1532</u>	<u>35</u>	<u>1274</u>	<u>21</u>	<u>1525</u>
P 9 _____		<u>24</u>	<u>1532</u>	<u>40</u>	<u>1274</u>	<u>24</u>	<u>1526</u>
P10 _____		<u>27</u>	<u>1533</u>	<u>45</u>	<u>1274</u>	<u>27</u>	<u>1527</u>
P11 _____		<u>30</u>	<u>1533</u>	<u>50</u>	<u>1271</u>	<u>30</u>	<u>1527</u>
P12 _____		<u>33</u>	<u>1533</u>	<u>55</u>	<u>1271</u>	<u>33</u>	<u>1528</u>
P13 _____		<u>36</u>	<u>1534</u>	<u>58</u>	<u>1271</u>	<u>36</u>	<u>1528</u>
P14 _____		<u>39</u>	<u>1534</u>			<u>39</u>	<u>1539</u>
P15 _____		<u>42</u>	<u>1534</u>			<u>42</u>	<u>1529</u>
P16 _____		<u>45</u>	<u>1535</u>			<u>45</u>	<u>1532</u>
P17 _____							
P18 _____							
P19 _____							
P20 _____							

Beacon Res. Corp.
cline - mills #1

T.K.T. # 12995
Test # 3





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

Company Beacon Resources Corp. Lease & Well No. Cline-Mills #1
Elevation 1938 Kelly Bushings Formation Kansas City Effective Pay _____ Ft. Ticket No. 12996
Date 11-29-69 Sec. 31 Twp. 32 Range 14W County Barber State Kansas
Test Approved by Harold Steincamp Western Representative George Tew
Formation Test No. 4 O.K. ☒ Misrun _____ Interval Tested From 4675' to 4702' Total Depth 4702'
Size Main Hole 7 7/8 Rat Hole None Conv. ☒ B.T. _____ Damaged Yes ☒ No ☒ Conv. B.T. ☒ Damaged Yes ☒ No ☒
Packer Depth 4675 Ft. Size 6 3/4" Packer Depth 4670 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" F.H. Anchor Length 27 Ft. Size 5 1/2" O.D.
RECORDERS Depth 4695 Ft. Clock No. 6896 Depth 4698 Ft. Clock No. 9727
Top Make Kuster Cap. 4500 No. 3086 ~~Inside~~ Inside Bottom Make Kuster Cap. 4300 No. 1556 ~~Inside~~ Inside
Below Straddle: Depth _____ Clock No. _____ Inside Depth _____ Ft. Clock No. _____ Inside
Top Make _____ Cap. _____ No. _____ Outside Bottom Make _____ Cap. _____ No. _____ Outside
Time Set Packer 1:57 P.M.
Tool Open I.F.P. From 2:00 M. to 2:15P. M. Hr. 15 Min. From (B) 87 P.S.I. To (C) 101 P.S.I.
Tool Closed I.C.I.P. From 2:15 M. to 3:00P. M. Hr. 45 Min. (D) 1762 P.S.I.
Tool Open F.F.P. From 3:00 M. to 4:30P. M. 1 Hr. 30 Min. From (E) 112 P.S.I. To (F) 133 P.S.I.
Tool Closed F.C.I.P. From 4:30 M. to 5:15P. M. Hr. 45 Min. (G) 1716 P.S.I.
Initial Hydrostatic Pressure (A) 2520 P.S.I. Final Hydrostatic Pressure (H) 2504 P.S.I.
SURFACE Size Choke 3/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
(See attached sheet) _____ M. _____
_____ M. _____
BLOW Strong - Gas to surface in 5 minutes Bottom Choke Size 3/4 In.
Did Well Flow ☒ Yes _____ No _____ Recovery Total Ft. 180 feet gas cut mud
Reversed Out Yes ☒ No _____ Mud Type Starch Viscosity 45 Weight 10.1 Water Loss 19 cc. Maximum Temp. 124 °F
Type Circ. Sub. Plug Did Tool Plug? No Jars: Size 4 1/2 O.D. Make WTC Ser. No. 407
EXTRA EQUIPMENT: Dual Packers Yes Safety Joint Yes Did Packer Hold? Yes Where? _____
Length Drill Pipe 4648 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe _____ ft. I.D. Weight Pipe _____ in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 54 ft.
Remarks Gas to surface in 5 minutes - Gas burned - Sample was taken



P. O. BOX 793
GREAT BEND, KANSAS

COMPANY Beacon Resources Corp. LEASE & WELL NO. Cline-Mills #1

TEST NO. 4 INTERVAL TESTED FROM 4675' TO 4702'

TIME PRE-FLOW	MAX PRESS. <u>Ins. of water</u>	DESCRIPTION OF FLOW
<u>10</u>	<u>5</u>	<u>310,000</u>
<u>15</u>	<u>14</u>	<u>517,000</u>

SECOND FLOW		
<u>5</u>	<u>23</u>	<u>660,000</u>
<u>10</u>	<u>26</u>	<u>715,000</u>
<u>20</u>	<u>28.5</u>	<u>750,000</u>
<u>30</u>	<u>31</u>	<u>785,000</u>
<u>40</u>	<u>32</u>	<u>790,000</u>
<u>50</u>	<u>33</u>	<u>810,000</u>
<u>60</u>	<u>33</u>	<u>810,000</u>
<u>70</u>	<u>33.5</u>	<u>815,000</u>
<u>80</u>	<u>34</u>	<u>820,000</u>
<u>90</u>	<u>34 3/4</u>	<u>820,000</u>
SIZE CHOKE	SURFACE	BOTTOM

IN. 3/4

REMARKS Gas to surface in 5 minutes

Gas burned

Sample was taken

WESTERN TESTING CO., INC. **Pressure Data**

Date 11-29-69 Test Ticket No. 12996
 Recorder No. 3086 Capacity 4500 Location 4695 Ft.
 Clock No. 6896 Elevation 1938 Kelly Bushings Well Temperature 124 °F

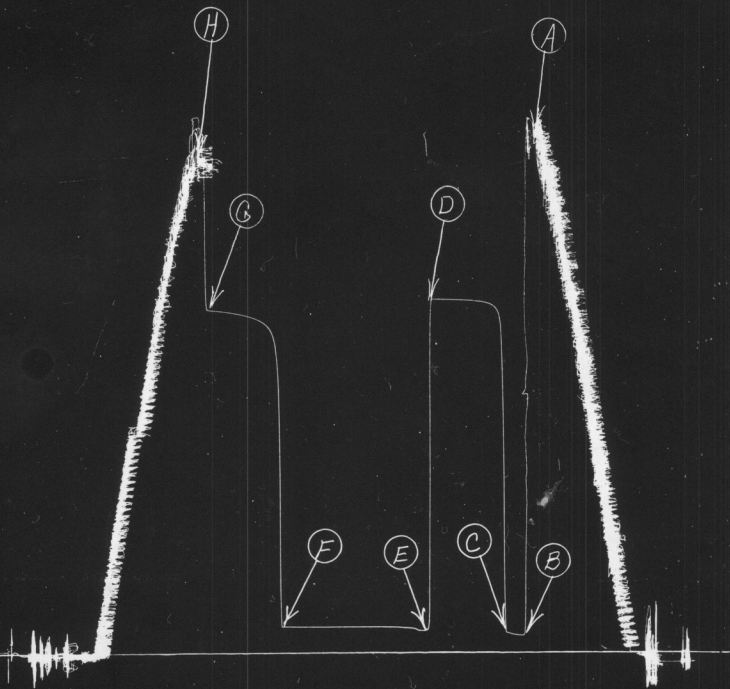
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2520</u> P.S.I.	Open Tool	<u>1:57P</u> M	
B First Initial Flow Pressure	<u>87</u> P.S.I.	First Flow Pressure	<u>15</u> Mins.	<u>13</u> Mins.
C First Final Flow Pressure	<u>101</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1762</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>90</u> Mins.
E Second Initial Flow Pressure	<u>112</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>133</u> P.S.I.			
G Final Closed-in Pressure	<u>1716</u> P.S.I.			
H Final Hydrostatic Mud	<u>2504</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>2</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>18</u> Inc.		Breakdown: <u>15</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>3</u> Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ 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>101</u>	<u>0</u>	<u>112</u>	<u>0</u>	<u>133</u>
P 2 <u>5</u>	<u>92</u>	<u>3</u>	<u>516</u>	<u>5</u>	<u>112</u>	<u>3</u>	<u>632</u>
P 3 <u>10</u>	<u>100</u>	<u>6</u>	<u>1695</u>	<u>10</u>	<u>126</u>	<u>6</u>	<u>1601</u>
P 4 <u>13</u>	<u>101</u>	<u>9</u>	<u>1710</u>	<u>15</u>	<u>130</u>	<u>9</u>	<u>1622</u>
P 5 _____		<u>12</u>	<u>1742</u>	<u>20</u>	<u>130</u>	<u>12</u>	<u>1649</u>
P 6 _____		<u>15</u>	<u>1748</u>	<u>25</u>	<u>130</u>	<u>15</u>	<u>1664</u>
P 7 _____		<u>18</u>	<u>1750</u>	<u>30</u>	<u>130</u>	<u>18</u>	<u>1674</u>
P 8 _____		<u>21</u>	<u>1752</u>	<u>35</u>	<u>130</u>	<u>21</u>	<u>1685</u>
P 9 _____		<u>24</u>	<u>1755</u>	<u>40</u>	<u>130</u>	<u>24</u>	<u>1690</u>
P10 _____		<u>27</u>	<u>1757</u>	<u>45</u>	<u>130</u>	<u>27</u>	<u>1692</u>
P11 _____		<u>30</u>	<u>1759</u>	<u>50</u>	<u>130</u>	<u>30</u>	<u>1700</u>
P12 _____		<u>33</u>	<u>1759</u>	<u>55</u>	<u>130</u>	<u>33</u>	<u>1702</u>
P13 _____		<u>36</u>	<u>1760</u>	<u>60</u>	<u>130</u>	<u>36</u>	<u>1705</u>
P14 _____		<u>39</u>	<u>1762</u>	<u>65</u>	<u>133</u>	<u>39</u>	<u>1706</u>
P15 _____		<u>42</u>	<u>1762</u>	<u>70</u>	<u>133</u>	<u>42</u>	<u>1707</u>
P16 _____		<u>45</u>	<u>1762</u>	<u>75</u>	<u>133</u>	<u>45</u>	<u>1716</u>
P17 _____				<u>80</u>	<u>133</u>		
P18 _____				<u>85</u>	<u>133</u>		
P19 _____				<u>90</u>	<u>133</u>		
P20 _____							

Beacon Res. Corp.
Cline-mills #1

T.K.T. # 12996
Test # 4





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

Company Beacon Resources Corp. Lease & Well No. Cline-Mills # 1-V
Elevation 1938 Kelly Bushing Formation Mississippian Effective Pay _____ Ft. Ticket No. 12997
Date 12-1-69 Sec. 31 Twp. 32 Range 14w County Barber State Kansas
Test Approved by Harold Steincamp Western Representative George Tew
Formation Test No. 5 O.K. ☒ Misrun _____ Interval Tested From 4774' to 4828' Total Depth 4828'
Size Main Hole 7 7/8 Rat Hole _____ Conv. ☒ B.T. _____ Damaged Yes ☒ No Conv. _____ B.T. ☒ Damaged Yes ☒ No
Packer Depth 4774 Ft. Size 6 3/4 Packer Depth 4769 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 54 Ft. Size 34" WP
Size 23" 5 1/2" Anchor
RECORDERS Depth 4822 Ft. Clock No. 6896 Depth 4825 Ft. Clock No. 9727
Top Make Kuster Cap. 4500 No. 3086 Inside _____ Outside _____ Bottom Make Kuster Cap. 4300 No. 1556 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 _____ M
Tool Open I.F.P. From 10:45 M. to 11:00P M. Hr. 15 Min. From (B) 46 P.S.I. To (C) 46 P.S.I.
Tool Closed I.C.I.P. From 11:00 M. to 11:45P M. Hr. 45 Min. (D) 353 P.S.I.
Tool Open F.F.P. From 11:45 M. to 12:30P M. Hr. 45 Min. From (E) 51 P.S.I. To (F) 56 P.S.I.
Tool Closed F.C.I.P. From 12:30 M. to 1:15A M. Hr. 45 Min. (G) 238 P.S.I.
Initial Hydrostatic Pressure (A) 2600 P.S.I. Final Hydrostatic Pressure (H) 2590 P.S.I.
SURFACE Size Choke 3/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____
BLOW Weak for 15 minutes then died Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 55 feet drilling mud
Reversed Out _____ Yes ☒ No _____ Mud Type starch Viscosity 51 Weight 10.2 Water Loss 14 cc. Maximum Temp. 130 °F
Type Circ. Sub. plug Did Tool Plug? no Jars: Size 4 1/2" OD Make WTC Ser. No. 407
EXTRA EQUIPMENT: Dual Packers yes Safety Joint yes Did Packer Hold? yes Where? _____
Length Drill Pipe 4747 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe _____ ft. I.D. Weight Pipe _____ in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 81 ft.
Remarks Flushed tool at 12:50AM

WESTERN TESTING CO., INC. Pressure Data

Date 12-1-69 Test Ticket No. 12997
 Recorder No. 3086 Capacity 4500 Location 4822 Ft.
 Clock No. 6896 Elevation 1938 Kelly Bushing Well Temperature 130 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2600</u> P.S.I.	Open Tool	<u>10:45P</u> M	
B First Initial Flow Pressure	<u>46</u> P.S.I.	First Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>46</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>36</u> Mins.
D Initial Closed-in Pressure	<u>353</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>51</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>56</u> P.S.I.			
G Final Closed-in Pressure	<u>238</u> P.S.I.			
H Final Hydrostatic Mud	<u>2590</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 3 Inc.
 of 5 mins. and a
 final inc. of Min.

Initial Shut-In
 Breakdown: 12 Inc.
 of 3 mins. and a
 final inc. of Min.

Second Flow Pressure
 Breakdown: 9 Inc.
 of 5 mins. and a
 final inc. of Min.

Final Shut-In
 Breakdown: 15 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>46</u>	<u>0</u>	<u>46</u>	<u>0</u>	<u>51</u>	<u>0</u>	<u>56</u>
P 2 <u>0</u>	<u>46</u>	<u>3</u>	<u>75</u>	<u>5</u>	<u>41</u>	<u>3</u>	<u>58</u>
P 3 <u>10</u>	<u>46</u>	<u>6</u>	<u>82</u>	<u>10</u>	<u>55</u>	<u>6</u>	<u>64</u>
P 4 <u>15</u>	<u>46</u>	<u>9</u>	<u>98</u>	<u>15</u>	<u>plugging action</u>	<u>9</u>	<u>123</u>
P 5 <u> </u>	<u> </u>	<u>12</u>	<u>118</u>	<u>20</u>	<u> </u>	<u>12</u>	<u>180</u>
P 6 <u> </u>	<u> </u>	<u>15</u>	<u>127 1.2</u>	<u>25</u>	<u> </u>	<u>15</u>	<u>206</u>
P 7 <u> </u>	<u> </u>	<u>18</u>	<u>160</u>	<u>30</u>	<u>64</u>	<u>18</u>	<u>209</u>
P 8 <u> </u>	<u> </u>	<u>21</u>	<u>199</u>	<u>35</u>	<u>56</u>	<u>21</u>	<u>214</u>
P 9 <u> </u>	<u> </u>	<u>24</u>	<u>215</u>	<u>40</u>	<u>54</u>	<u>24</u>	<u>216</u>
P10 <u> </u>	<u> </u>	<u>27</u>	<u>236</u>	<u>45</u>	<u>56</u>	<u>27</u>	<u>219</u>
P11 <u> </u>	<u> </u>	<u>30</u>	<u>291</u>	<u> </u>	<u> </u>	<u>30</u>	<u>225</u>
P12 <u> </u>	<u> </u>	<u>33</u>	<u>329</u>	<u> </u>	<u> </u>	<u>33</u>	<u>227</u>
P13 <u> </u>	<u> </u>	<u>36</u>	<u>353</u>	<u> </u>	<u> </u>	<u>36</u>	<u>229</u>
P14 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>39</u>	<u>232</u>
P15 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>42</u>	<u>236</u>
P16 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>45</u>	<u>238</u>
P17 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P18 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P19 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P20 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Beacon Res. Corp.

Cline-Mills #1

TKT-12997

Test # 5

