



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

32-24-90

Company **Kansas Petroleum, Inc.** Lease & Well No. **Vickers # 1**

Elevation **1360 Kelly Bushing** Formation **Kansas City** Effective Pay _____ Ft. Ticket No. **15585**

Date **3-8-71** Sec. **32** Twp. **24** Range **4E** County **Butler** State **Kansas**

Test Approved by **Jack H. Brown** Western Representative **Norman Allen**

Formation Test No. **1** O.K. ☒ Misrun _____ Interval Tested From **2270'** to **2290'** Total Depth **2290'**

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

Packer Depth _____ Ft. Size _____ Packer Depth **2270** 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" FHM** Anchor Length **20** Ft. Size **5 1/2" OD**

RECORDERS	Depth	Ft.	Clock No.	Depth	Ft.	Clock No.
	5x28A 2283		8474		2286	4763
Top Make	5K8ster	Cap. 4008x28A	No. 3351	Inside	Kuster	Cap. 4150
				No. 2606	Inside	
Below Straddle: Depth			Clock No.	Inside		
				Outside		
Top Make		Cap.	No.	Inside		
				Outside		

Time Set Packer **5:18A** M

Tool Open I.F.P. From	M. to	Hr.	Min. From (B)	P.S.I. To (C)	P.S.I.
5:20	5:30A	10	0	0	
Tool Closed I.C.I.P. From	M. to	Hr.	Min. (D)		P.S.I.
5:30	6:00A	30	978		
Tool Open F.F.P. From	M. to	Hr.	Min. From (E)	P.S.I. To (F)	P.S.I.
6:00	7:00A	60	8	22	
Tool Closed F.C.I.P. From	M. to	Hr.	Min. (G)		P.S.I.
7:00	7:45A	45		952	
Initial Hydrostatic Pressure (A)	1120	P.S.I.	Final Hydrostatic Pressure (H)	1106	P.S.I.

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

BLOW **Weak through out test** Bottom Choke Size **3/4** In.

Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. **55 feet drilling mud**

Reversed Out _____ Yes ☒ No _____ Mud Type **chem** Viscosity **36** Weight **9.7** Water Loss **11.6** cc. Maximum Temp. **95** °F

Type Circ. Sub. **pin** Did Tool Plug? ☒ Jars: Size _____ Make _____ Ser. No. _____

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

Length Drill Pipe **2105** ft. I.D. Drill Pipe **3.8** in. Length Weight Pipe _____ ft. I.D. Weight Pipe _____ in. Length Drill Collars **150** ft.

I. D. Drill Collars **2 1/4** in. Length D.S.T. Tool **35** ft.

Remarks _____

K.G.S. LIBRARY

WESTERN TESTING CO., INC. Pressure Data

32-24-4E

Date 3-8-71 Test Ticket No. 15585
Recorder No. 3351 Capacity 4000 Location 2283 Ft.
Clock No. 8474 Elevation 1360 Kelly Bushing Well Temperature 95 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1120</u> P.S.I.	<u>5:18A</u>	<u>M</u>
B First Initial Flow Pressure	<u>0</u> P.S.I.	<u>10</u> Mins.	<u>10</u> Mins.
C First Final Flow Pressure	<u>0</u> P.S.I.	<u>39</u> Mins.	<u>33</u> Mins.
D Initial Closed-in Pressure	<u>978</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>8</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>22</u> P.S.I.		
G Final Closed-in Pressure	<u>952</u> P.S.I.		
H Final Hydrostatic Mud	<u>1106'</u> P.S.I.		

PRESSURE BREAKDOWN

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

Initial Shut-In
Breakdown: 11 Inc.
of 35 mins. and a
final inc. of _____ Min.

Second Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of _____ Min.

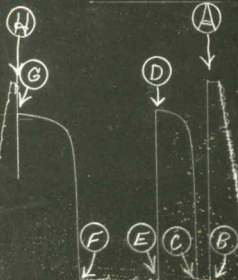
Final Shut-In
Breakdown: 15 Inc.
of 3 mins. and a
final inc. of _____ Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>8</u>	<u>0</u>	<u>22</u>
P 2 <u>5</u>	<u>0</u>	<u>3</u>	<u>524</u>	<u>5</u>	<u>21</u>	<u>3</u>	<u>500</u>
P 3 <u>10</u>	<u>0</u>	<u>6</u>	<u>830</u>	<u>10</u>	<u>18</u>	<u>6</u>	<u>764</u>
P 4 _____		<u>9</u>	<u>911</u>	<u>15</u>	<u>14</u>	<u>9</u>	<u>854</u>
P 5 <u>12</u>	<u>935</u>	<u>12</u>	<u>935</u>	<u>20</u>	<u>14</u>	<u>12</u>	<u>884</u>
P 6 _____		<u>15</u>	<u>951</u>	<u>25</u>	<u>14</u>	<u>15</u>	<u>899</u>
P 7 _____		<u>18</u>	<u>962</u>	<u>30</u>	<u>14</u>	<u>18</u>	<u>912</u>
P 8 <u>21</u>		<u>21</u>	<u>968</u>	<u>35</u>	<u>14</u>	<u>21</u>	<u>920</u>
P 9 _____		<u>24</u>	<u>972</u>	<u>40</u>	<u>20</u>	<u>24</u>	<u>927</u>
P10 _____		<u>27</u>	<u>974</u>	<u>45</u>	<u>20</u>	<u>27</u>	<u>934</u>
P11 _____		<u>30</u>	<u>976</u>	<u>50</u>	<u>20</u>	<u>30</u>	<u>938</u>
P12 _____		<u>33</u>	<u>978</u>	<u>55</u>	<u>22</u>	<u>33</u>	<u>942</u>
P13 _____				<u>60</u>	<u>22</u>	<u>36</u>	<u>946</u>
P14 _____				<u>65</u>		<u>39</u>	<u>948</u>
P15 _____						<u>42</u>	<u>950</u>
P16 _____						<u>45</u>	<u>952</u>
P17 _____							
P18 _____							
P19 _____							
P20 _____							

Irratic pressure due to small amount of
plugging action

K.G.S. LIBRARY

TKT-15585-0





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

32-24-40

Company **Kansas Petroleum, Inc.** Lease & Well No. **Vickers # 1**

Elevation **1360 Kelly Bushing** Formation **Kansas City** Effective Pay _____ Ft. Ticket No. **15586**

Date **3-8-71** Sec. **32** Twp. **24s** Range **4E** County **Butler** State **Kansas**

Test Approved by **Jack H. Brown** Western Representative **Norman Allen**

Formation Test No. **2** O.K. ☒ Misrun ☒ Interval Tested From **2293'** to **2310'** Total Depth **2310'**

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

Packer Depth _____ Ft. Size _____ Packer Depth **2293** 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" BH** Anchor Length **17** Ft. Size **5 1/2" OD**

RECORDERS Depth **2306** Ft. Clock No. **8474** Depth **2306** Ft. Clock No. **4763**

Top Make **Kuster** Cap. **4000** No. **3351** Inside **Outside** Bottom Make **Kuster** Cap. **4150** No. **2606** 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 **12:18R** M

Tool Open I.F.P. From **12:20** M. to **12:30A** M. Hr. **10** Min. From (B) **0** P.S.I. To (C) **14** P.S.I.

Tool Closed I.C.I.P. From **12:30** M. to **1:00R** M. Hr. **30** Min. (D) **998** P.S.I.

Tool Open F.F.P. From **1:00** M. to **2:00R** M. Hr. **60** Min. From (E) **22** P.S.I. To (F) **68** P.S.I.

Tool Closed F.C.I.P. From **2:00** M. to **2:45P** M. Hr. **45** Min. (G) **997** P.S.I.

Initial Hydrostatic Pressure (A) **1120** P.S.I. Final Hydrostatic Pressure (H) **1100** P.S.I.

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

INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW **Weak through out test** Bottom Choke Size **3/4** In.

Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. **150 feet slightly muddy salt water**

Reversed Out _____ Yes ☒ No _____ Mud Type **chem** Viscosity **36** Weight **9.7** Water Loss **11.6** cc. Maximum Temp. **97** °F

Type Circ. Sub. **pin** Did Tool Plug? **no** Jars: Size _____ Make _____ Ser. No. _____

EXTRA EQUIPMENT: Dual Packers **no** Safety Joint _____ Did Packer Hold? **yes** Where? _____

Length Drill Pipe **2128** ft. I.D. Drill Pipe **3.8** in. Length Weight Pipe _____ ft. I.D. Weight Pipe _____ in. Length Drill Collars **150** ft.

I. D. Drill Collars **2 1/4** in. Length D.S.T. Tool **32** ft.

Remarks _____

K.G.S. LIBRARY

WESTERN TESTING CO., INC. Pressure Data

32-29-4E

Date 3-8-71 Test Ticket No. 15586
 Recorder No. 3351 Capacity 4000 Location 2306 Ft.
 Clock No. 8474 Elevation 1360 Kelly Bushing Well Temperature 97 °F

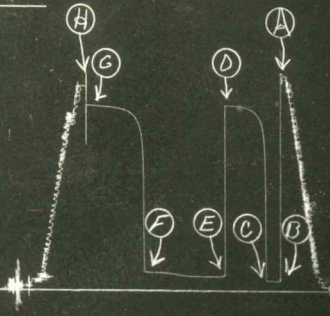
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud <u>1120</u> P.S.I.	Open Tool	<u>12:18P</u> M	
B First Initial Flow Pressure <u>0</u> P.S.I.	First Flow Pressure	<u>10</u> Mins.	<u>10</u> Mins.
C First Final Flow Pressure <u>14</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure <u>998</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure <u>22</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure <u>68</u> P.S.I.			
G Final Closed-in Pressure <u>997</u> P.S.I.			
H Final Hydrostatic Mud <u>1100</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>10</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 <u>0</u>	<u>0</u>	<u>0</u>	<u>14</u>	<u>0</u>	<u>22</u>	<u>0</u>	<u>68</u>
P <u>2</u>	<u>6</u>	<u>3</u>	<u>896</u>	<u>5</u>	<u>23</u>	<u>3</u>	<u>882</u>
P <u>3</u>	<u>14</u>	<u>6</u>	<u>952</u>	<u>10</u>	<u>25</u>	<u>6</u>	<u>936</u>
P <u>4</u>		<u>9</u>	<u>972</u>	<u>15</u>	<u>27</u>	<u>9</u>	<u>956</u>
P <u>5</u>		<u>12</u>	<u>982</u>	<u>20</u>	<u>30</u>	<u>12</u>	<u>969</u>
P <u>6</u>		<u>15</u>	<u>988</u>	<u>25</u>	<u>40</u>	<u>25</u>	<u>976</u>
P <u>7</u>		<u>18</u>	<u>992</u>	<u>30</u>	<u>48</u>	<u>18</u>	<u>983</u>
P <u>8</u>		<u>21</u>	<u>994</u>	<u>35</u>	<u>53</u>	<u>21</u>	<u>986</u>
P <u>9</u>		<u>24</u>	<u>996</u>	<u>40</u>	<u>57</u>	<u>24</u>	<u>989</u>
P <u>10</u>		<u>30</u>	<u>998</u>	<u>50</u>	<u>62</u>	<u>30</u>	<u>992</u>
P <u>11</u>				<u>55</u>	<u>64</u>	<u>33</u>	<u>993</u>
P <u>12</u>				<u>60</u>	<u>68</u>	<u>36</u>	<u>994</u>
P <u>13</u>					<u>3</u>	<u>39</u>	<u>995</u>
P <u>14</u>						<u>42</u>	<u>996</u>
P <u>15</u>						<u>45</u>	<u>997</u>
P <u>16</u>							
P <u>17</u>							
P <u>18</u>							
P <u>19</u>							
P <u>20</u>							

K.G.S. LIBRARY

TXT-15586-0





32-24-4E

K.G.S. LIBRARY

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

Company Kansas Petroleum, Inc. Lease & Well No. Vickers # 1
Elevation 1360 Kelly Dushing Formation Mississippian Effective Pay _____ Ft. Ticket No. 15587
Date 3-9-71 Sec. 32 Twp. 24S Range 4E County Butler State Kansas
Test Approved by Jack H. Brown Western Representative Norman Allen
Formation Test No. 3 O.K. X Misrun _____ Interval Tested From 2693' to 2715' Total Depth 2715'
Size Main Hole 7 7/8 Rat Hole _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No Conv. X B.T. _____ Damaged _____ Yes _____ No
Packer Depth _____ Ft. Size _____ Packer Depth _____ Ft. Size 6 3/4
Straddle _____ Yes _____ No X Conv. _____ B.T. _____ Damaged _____ Yes _____ No
Packer Depth _____ Ft. Size _____
Tool Size 5 1/2" OD Tool Jt. Size 4 1/2" IF Anchor Length 22 Ft. Size 5 1/2" OD
RECORDERS Depth 2708 Ft. Clock No. 8474 Depth 2711 Ft. Clock No. 4763
Top Make Kuster Cap. 4000 No. 3351 Inside _____ Outside _____ Bottom Make Kuster Cap. 4150 No. 2606 Inside _____ Outside _____
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____
Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____
Time Set Packer 6:48P M
Tool Open I.F.P. From 6:50 M. to 7:00P M. Hr. 10 Min. From (B) 8 P.S.I. To (C) 8 P.S.I.
Tool Closed I.C.I.P. From 7:00 M. to 7:30P M. Hr. 30 Min. (D) 622 P.S.I.
Tool Open F.F.P. From 7:30 M. to 8:30P M. Hr. 60 Min. From (E) 11 P.S.I. To (F) 14 P.S.I.
Tool Closed F.C.I.P. From 8:30 M. to 9:15P M. Hr. 45 Min. (G) 514 P.S.I.
Initial Hydrostatic Pressure (A) 1359 P.S.I. Final Hydrostatic Pressure (H) 1322 P.S.I.
SURFACE Size Choke 3/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____
BLOW Weak 15 minutes Bottom Choke Size 3.4 In.
Did Well Flow _____ Yes X chem _____ Recovery Total Ft. 20 feet drilling mud
Reversed Out _____ Yes X No Mud Type chem Viscosity 33 Weight 9.8 Water Loss 12 cc. Maximum Temp. 101 °F
Type Circ. Sub. pin Did Tool Plug? no Jars: Size _____ Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers no Safety Joint no Did Packer Hold? yes Where? _____
Length Drill Pipe 2528 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe _____ ft. I.D. Weight Pipe _____ in. Length Drill Collars 150 ft.
I. D. Drill Collars 2 1/4 in. Length D.S.T. Tool 37 ft.
Remarks _____

K.G.S. LIBRARY

32-24-4E

WESTERN TESTING CO., INC.
Pressure Data

Date 3-9-71 Test Ticket No. 15587
 Recorder No. 3351 Capacity 4000 Location 2708 Ft.
 Clock No. 8474 Elevation 1360 Kelly Bushing Well Temperature 101 °F

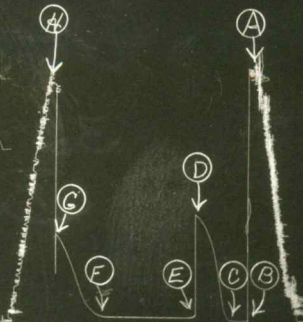
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1359</u> P.S.I.	<u>6:48P</u> M	
B First Initial Flow Pressure	<u>8</u> P.S.I.	<u>10</u> Mins.	<u>10</u> Mins.
C First Final Flow Pressure	<u>8</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>622</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>11</u> P.S.I.	<u>45</u> Mins.	<u>47</u> Mins.
F Second Final Flow Pressure	<u>14</u> P.S.I.		
G Final Closed-in Pressure	<u>514</u> P.S.I.		
H Final Hydrostatic Mud	<u>1322</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>10</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>8</u>	<u>0</u>	<u>8</u>	<u>0</u>	<u>11</u>	<u>0</u>	<u>14</u>
P 2 <u>5</u>	<u>8</u>	<u>3</u>	<u>22</u>	<u>5</u>	<u>11</u>	<u>3</u>	<u>18</u>
P 3 <u>10</u>	<u>8</u>	<u>6</u>	<u>82</u>	<u>10</u>	<u>11</u>	<u>6</u>	<u>22</u>
P 4 _____		<u>9</u>	<u>203</u>	<u>15</u>	<u>11</u>	<u>9</u>	<u>28</u>
P 5 _____		<u>12</u>	<u>354</u>	<u>20</u>	<u>12</u>	<u>12</u>	<u>36</u>
P 6 _____		<u>15</u>	<u>456</u>	<u>25</u>	<u>12</u>	<u>15</u>	<u>50</u>
P 7 _____		<u>18</u>	<u>520</u>	<u>30</u>	<u>13</u>	<u>18</u>	<u>68</u>
P 8 _____		<u>21</u>	<u>561</u>	<u>35</u>	<u>13</u>	<u>21</u>	<u>94</u>
P 9 _____		<u>24</u>	<u>592</u>	<u>40</u>	<u>13</u>	<u>24</u>	<u>134</u>
P10 _____		<u>27</u>	<u>609</u>	<u>45</u>	<u>13</u>	<u>27</u>	<u>188</u>
P11 _____		<u>30</u>	<u>622</u>	<u>50</u>	<u>14</u>	<u>30</u>	<u>254</u>
P12 _____				<u>55</u>	<u>14</u>	<u>33</u>	<u>319</u>
P13 _____				<u>60</u>	<u>14</u>	<u>36</u>	<u>374</u>
P14 _____						<u>39</u>	<u>426</u>
P15 _____						<u>42</u>	<u>470</u>
P16 _____						<u>45</u>	<u>498</u>
P17 _____						<u>47</u>	<u>514</u>
P18 _____							
P19 _____							
P20 _____							

K.G.S. LIBRARY

TKT-15587-0





32-24-4E

Home Office: Great Bend, Kansas

P. O. Box 793

(316) 793-7903

Company Kansas Petroleum, Inc. Lease & Well No. Vickers # 1

Elevation 1360 Kelly Bushing Formation Mississippian Effective Pay _____ Ft. Ticket No. 15588

Date 3-10-71 Sec. 32 Twp. 24s Range 4e County Butler State Kansas

Test Approved by Jack H. Brown Western Representative Norman Allen

Formation Test No. 4 O.K. ☒ Misrun _____ Interval Tested From 2693' to 2720' Total Depth 2720'

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

Packer Depth _____ Ft. Size _____ Packer Depth 2693 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 27 Ft. Size 5 1/2" OD

RECORDERS Depth 2713 Ft. Clock No. 8474 Depth 2716 Ft. Clock No. 4763

Top Make Kuster Cap. 4000 No. 3351 Inside _____ Outside _____ Bottom Make Kuster Cap. 4150 No. 2606 Inside _____ Outside _____

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

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

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

Time Set Packer 1:48A M

Tool Open I.F.P. From 1:50 M. to 2:00A M. Hr. 10 Min. From (B) 14 P.S.I. To (C) 17 P.S.I.

Tool Closed I.C.I.P. From 2:00 M. to 2:30A M. Hr. 30 Min. (D) 627 P.S.I.

Tool Open F.F.P. From 2:30 M. to 3:30A M. Hr. 60 Min. From (E) 22 P.S.I. To (F) 26 P.S.I.

Tool Closed F.C.I.P. From 3:30 M. to 4:15A M. Hr. 45 Min. (G) 503 P.S.I.

Initial Hydrostatic Pressure (A) 1359 P.S.I. Final Hydrostatic Pressure (H) 1354 P.S.I.

SURFACE Size Choke 3.4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____

INFORMATION _____ M. _____

_____ M. _____

_____ M. _____

BLOW Weak 5 minutes-- flushed tool once (good surge) Bottom Choke Size 3/4 In.

Did Well Flow YX No Recovery Total Ft. 15 feet drilling mud with few spicks of oil

Reversed Out _____ Yes ☒ No Mud Type chem Viscosity 33 Weight 9.8 Water Loss 12 cc. Maximum Temp. 101 °F

Type Circ. Sub. pin Did Tool Plug no Jars: Size _____ Make _____ Ser. No. _____

EXTRA EQUIPMENT: Dual Packers no Safety Joint no Did Packer Hold? yes Where? _____

Length Drill Pipe 2528 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe _____ ft. I.D. Weight Pipe _____ in. Length Drill Collar 150 ft.

I. D. Drill Collar 2 1/2 in. Length D.S.T. Tool 42 ft.

Remarks _____

K.G.S. LIBRARY

WESTERN TESTING CO., INC.
Pressure Data

32-24-4E

Date 3-10-71 Test Ticket No. 15588
Recorder No. 3351 Capacity 4000 Location 2713 Ft.
Clock No. 8474 Elevation 1360 Kelly Bushing Well Temperature 101 °F

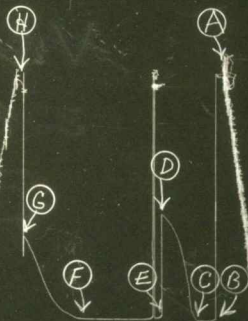
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1359</u>	P.S.I.	<u>1:48A</u>	M
B First Initial Flow Pressure	<u>14</u>	P.S.I.	<u>10</u>	Mins. <u>10</u> Mins.
C First Final Flow Pressure	<u>17</u>	P.S.I.	<u>30</u>	Mins. <u>30</u> Mins.
D Initial Closed-in Pressure	<u>627</u>	P.S.I.	<u>60</u>	Mins. <u>60</u> Mins.
E Second Initial Flow Pressure	<u>22</u>	P.S.I.	<u>45</u>	Mins. <u>48</u> Mins.
F Second Final Flow Pressure	<u>26</u>	P.S.I.		
G Final Closed-in Pressure	<u>503</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1354</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>10</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>18</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>14</u>	<u>0</u>	<u>17</u>	<u>0</u>	<u>22</u>	<u>0</u>	<u>26</u>
P 2 <u>5</u>	<u>15</u>	<u>3</u>	<u>30</u>	<u>5</u>	<u>22</u>	<u>3</u>	<u>33</u>
P 3 <u>10</u>	<u>17</u>	<u>6</u>	<u>74</u>	<u>19</u>	<u>24</u>	<u>6</u>	<u>40</u>
P 4 _____		<u>9</u>	<u>221</u>	<u>15</u>	<u>24</u>	<u>9</u>	<u>48</u>
P 5 _____		<u>12</u>	<u>337</u>	<u>20</u>	<u>24</u>	<u>12</u>	<u>61</u>
P 6 _____		<u>15</u>	<u>425</u>	<u>25</u>	<u>24</u>	<u>15</u>	<u>74</u>
P 7 _____		<u>18</u>	<u>500</u>	<u>30</u>	<u>24</u>	<u>18</u>	<u>94</u>
P 8 _____		<u>21</u>	<u>549</u>	<u>35</u>	<u>24</u>	<u>21</u>	<u>116</u>
P 9 _____		<u>24</u>	<u>583</u>	<u>40</u>	<u>24</u>	<u>24</u>	<u>143</u>
P10 _____		<u>27</u>	<u>606</u>	<u>45</u>	<u>25</u>	<u>27</u>	<u>179</u>
P11 _____		<u>30</u>	<u>627</u>	<u>50</u>	<u>25</u>	<u>30</u>	<u>228</u>
P12 _____				<u>55</u>	<u>26</u>	<u>33</u>	<u>280</u>
P13 _____				<u>60</u>	<u>26</u>	<u>36</u>	<u>339</u>
P14 _____				<u>39</u>	<u>396</u>	<u>39</u>	<u>396</u>
P15 _____						<u>42</u>	<u>442</u>
P16 _____						<u>45</u>	<u>476</u>
P17 _____						<u>48</u>	<u>503</u>
P18 _____							
P19 _____							
P20 _____							

K.G.S. LIBRARY

TKT-15588-0





TIGHT HOLE

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

Company Kansas Petroleum, Inc. Lease & Well No. Vickers # 1
Elevation 1360 Kelly Bushing Formation Mississippian Effective Pay _____ Ft. Ticket No. 15589
Date 3-10-71 Sec. 32 Twp. 24s Range 4e County Butler State Kansas
Test Approved by Jack H. Brown Western Representative Norman Allen
Formation Test No. 5 O.K. ☒ Misrun _____ Interval Tested From 2764' to 2810' Total Depth 2810'
Size Main Hole 7 7/8 Rat Hole _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No
Packer Depth _____ Ft. Size _____ Packer Depth 2764 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 46 Ft. Size 5 1/2" OD
RECORDERS Depth 2802 Ft. Clock No. 8474 Depth 2805 Ft. Clock No. 4763
Top Make Kuster Cap. 4000 No. 3351 Inside _____ Outside _____ Bottom Make Kuster Cap. 4150 No. 2606 Inside _____ Outside _____
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____
Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____
Time Set Packer 5:53P M
Tool Open I.F.P. From 5:55 M. to 6:00P M. Hr. 5 Min. From (B) 124 P.S.I. To (C) 147 P.S.I.
Tool Closed I.C.I.P. From 6:00 M. to 6:30P M. Hr. 30 Min. (D) 754 P.S.I.
Tool Open F.F.P. From 6:30 M. to 7:30P M. Hr. 60 Min. From (E) 165 P.S.I. To (F) 568 P.S.I.
Tool Closed F.C.I.P. From 7:30 M. to 8:15P M. Hr. 45 Min. (G) 757 P.S.I.
Initial Hydrostatic Pressure (A) 1406 P.S.I. Final Hydrostatic Pressure (H) 1390 P.S.I.
SURFACE Size Choke 3/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____
BLOW Strong diminishing slightly at end of test Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 1290 feet salt water
Reversed Out ☒ Yes _____ No _____ Mud Type chem Viscosity 39 Weight 9.8 Water Loss 10.8 cc. Maximum Temp. 105 °F
Type Circ. Sub. pin Did Tool Plug? no Jars: Size _____ Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers no Safety Joint no Did Packer Hold? yes Where? _____
Length Drill Pipe 2599 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe _____ ft. I.D. Weight Pipe _____ in. Length Drill Collars 150 ft.
I. D. Drill Collars 2 1/2 in. Length D.S.T. Tool 61 ft.
Remarks _____

K.G.S. LIBRARY

WESTERN TESTING CO., INC.

Pressure Data

Date 3-10-71 Test Ticket No. 15589
 Recorder No. 3351 Capacity 4000 Location 2802 Ft.
 Clock No. 8474 Elevation 1360 Kelly Bushing Well Temperature 105 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1406</u> P.S.I.	<u>5:53P</u>	M
B First Initial Flow Pressure	<u>124</u> P.S.I.	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>147</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>754</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>165</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>568</u> P.S.I.		
G Final Closed-in Pressure	<u>757</u> P.S.I.		
H Final Hydrostatic Mud	<u>1390</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>1</u> Inc.		Breakdown: <u>10</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>124</u>	<u>0</u>	<u>147</u>	<u>0</u>	<u>165</u>	<u>0</u>	<u>568</u>
P 2 <u>5</u>	<u>147</u>	<u>3</u>	<u>726</u>	<u>5</u>	<u>191</u>	<u>3</u>	<u>738</u>
P 3 _____		<u>6</u>	<u>743</u>	<u>10</u>	<u>240</u>	<u>6</u>	<u>743</u>
P 4 _____		<u>9</u>	<u>746</u>	<u>15</u>	<u>290</u>	<u>9</u>	<u>746</u>
P 5 _____		<u>12</u>	<u>748</u>	<u>20</u>	<u>333</u>	<u>12</u>	<u>748</u>
P 6 _____		<u>15</u>	<u>749</u>	<u>25</u>	<u>312</u>	<u>15</u>	<u>749</u>
P 7 _____		<u>18</u>	<u>750</u>	<u>30</u>	<u>410</u>	<u>18</u>	<u>750</u>
P 8 _____		<u>21</u>	<u>751</u>	<u>35</u>	<u>443</u>	<u>21</u>	<u>751</u>
P 9 _____		<u>24</u>	<u>752</u>	<u>40</u>	<u>472</u>	<u>24</u>	<u>752</u>
P10 _____		<u>27</u>	<u>753</u>	<u>45</u>	<u>498</u>	<u>27</u>	<u>753</u>
P11 _____		<u>30</u>	<u>754</u>	<u>50</u>	<u>523</u>	<u>30</u>	<u>753</u>
P12 _____				<u>55</u>	<u>547</u>	<u>33</u>	<u>754</u>
P13 _____				<u>60</u>	<u>568</u>	<u>36</u>	<u>754</u>
P14 _____						<u>39</u>	<u>755</u>
P15 _____						<u>42</u>	<u>756</u>
P16 _____						<u>45</u>	<u>757</u>
P17 _____							
P18 _____							
P19 _____							
P20 _____							

K.G.S. LIBRARY

TKT-15589-I

