



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

31-24-40

Company Kansas Petroleum Inc. Lease & Well No. McLain #1
Elevation 1350 Derrick Floor Formation Kansas City Effective Pay _____ Ft. Ticket No. 15602
Date 12-24-70 Sec. 31 Twp. 24S Range 4E County Butler State Kansas
Test Approved by Jack H. Brown Western Representative Forrest Purnell

Formation Test No. 1 O.K. Misrun _____ Interval Tested From 2240' to 2270' Total Depth 2270'
Size Main Hole 7 7/8" Rat Hole _____ Conv. _____ B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Packer Depth 2235 Ft. Size 6 3/4" Packer Depth 2240 Ft. Size 6 3/4"
Straddle Yes _____ No Conv. _____ B.T. Damaged Yes _____ No

Tool Size 5 1/2" O.D. Tool Jt. Size 4 1/2" F.H. Anchor Length 30 Ft. Size 5 1/2" O.D.

RECORDERS Depth 2259 Ft. Clock No. 6892 Depth 2262 Ft. Clock No. 6896
Top Make Kuster Cap. 4500 No. 3086 Inside Outside Bottom Make Kuster Cap. 4300 No. 1566 Inside Outside
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____

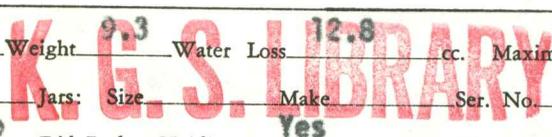
Time Set Packer 2:43P M
Tool Open I.F.P. From 2:45 M. to 3:15 P M. Hr. 30 Min. From (B) 704 P.S.I. To (C) 726 P.S.I.
Tool Closed I.C.I.P. From 3:15 M. to 3:45P M. Hr. 30 Min. (D) 981 P.S.I.
Tool Open F.F.P. From 3:45 M. to 5:00P M. Hr. 75 Min. From (E) 934 P.S.I. To (F) 981 P.S.I.
Tool Closed F.C.I.P. From 5:00 M. to 5:45P M. Hr. 45 Min. (G) 981 P.S.I.
Initial Hydrostatic Pressure (A) 1037 P.S.I. Final Hydrostatic Pressure (H) 1037 P.S.I.

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

BLOW Strong blow @ 60 min. decreased to weak blow Bottom Choke Size 3/4 In.
Did Well Flow Yes No _____ Recovery Total Ft. 2155 feet slightly oil cut muddy water

Reversed Out Yes _____ No _____ Mud Type Chem. Viscosity 42 Weight 9.3 Water Loss 12.8 cc. Maximum Temp. 98 °F
Type Circ. Sub. Pin 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 1808 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 270 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 192 ft.
I. D. Drill Collars 2.7 in. Length D.S.T. Tool 52 ft.

Remarks We charge your account with a misrun charge because outside recorder shows plugging action. However we are of the opinion it is a successful test and bottom hole pressure curves indicate some oil present in zone tested. Recommend zone be evaluated from electric log and possibly perforated at a later date.



31-24-4E

WESTERN TESTING CO., INC.
Pressure Data

Date 12-24-70 Test Ticket No. 15602
Recorder No. 3086 Capacity 4500 Location _____ Ft.
Clock No. 6892 Elevation 1350 Derrick Floor Well Temperature 98 °F

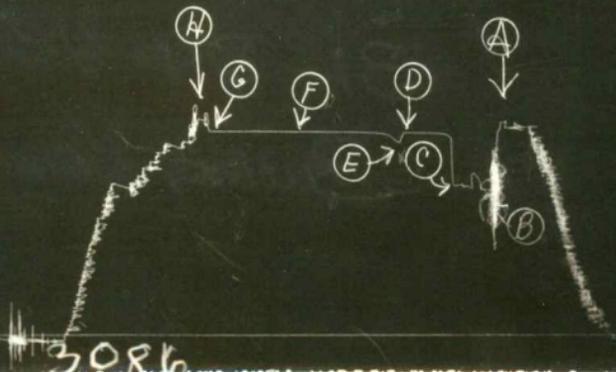
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1037</u>	P.S.I.	<u>2:43 P.</u>	
B First Initial Flow Pressure	<u>704</u>	P.S.I.	<u>30</u>	<u>30</u>
C First Final Flow Pressure	<u>726</u>	P.S.I.	<u>30</u>	<u>30</u>
D Initial Closed-in Pressure	<u>981</u>	P.S.I.	<u>75</u>	<u>75</u>
E Second Initial Flow Pressure	<u>934</u>	P.S.I.	<u>45</u>	<u>45</u>
F Second Final Flow Pressure	<u>981</u>	P.S.I.		
G Final Closed-in Pressure	<u>981</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1037</u>	P.S.I.		

PRESSURE BREAKDOWN

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
0	704	0	726	0	934	0	981
P 1							
P 2	707	3	965	5	953	3	981
P 3	732	6	972	10	974	6	981
P 4	783	9	974	15	976	9	981
P 5	722	12	975	20	977	12	981
P 6	725	15	976	25	979	15	981
P 7	726	18	977	30	981	18	981
P 8	Irratic Pressure due to small amount of plugging action	21	979	35	981	21	981
P 9		24	980	40	981	24	981
P 10		27	980	45	981	27	981
P 11		30	981	50	981	30	981
P 12				55	981	33	981
P 13				60	981	36	981
P 14				65	981	39	981
P 15				70	981	42	981
P 16				75	981	45	981
P 17							
P 18							
P 19							
P 20							

K. G. S. LIBRARY

TKT-156022





51-24-7C

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

Company Kansas Petroleum Inc. Lease & Well No. McLain #1
Elevation 1350 Derrick Floor Formation Kansas City Effective Pay _____ Ft. Ticket No. 14165
Date 12-27-70 Sec. 31 Twp. 24S Range 4E County Butler State Kansas
Test Approved by Jack H. Brown Western Representative Kenneth Cheney

Formation Test No. 2 O.K. Misrun _____ Interval Tested From 2320' to 2344' Total Depth 2344'
Size Main Hole 7 7/8" Rat Hole _____ Conv. B.T. _____ Damaged _____ Yes No Conv. _____ B.T. _____ Damaged _____ Yes _____ No
Packer Depth 2320 Ft. Size 6 3/4 Packer Depth _____ Ft. Size _____
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 24 Ft. Size 5 1/2" O.D.
RECORDERS Depth 2336 Ft. Clock No. 6859 Depth 2338 Ft. Clock No. 9725
Top Make Kuster Cap. 4150 No. 2608 Inside Outside _____ Bottom Make Kuster Cap. 4150 No. 1559 Inside _____ Outside _____
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Time Set Packer 3:14 A.M.
Tool Open I.F.P. From 3:15 M. to 3:25A M. Hr. 10 Min. From (B) 49 P.S.I. To (C) 112 P.S.I.
Tool Closed I.C.I.P. From 3:25 M. to 3:55A M. Hr. 30 Min. (D) 1067 P.S.I.
Tool Open F.F.P. From 3:55 M. to 4:55A M. 1 Hr. Min. From (E) 174 P.S.I. To (F) 451 P.S.I.
Tool Closed F.C.I.P. From 4:55 M. to 5:40A M. Hr. 45 Min. (G) 1061 P.S.I.
Initial Hydrostatic Pressure (A) 1080 P.S.I. Final Hydrostatic Pressure (H) 1061 P.S.I.

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

K. G. S. LIBRARY

BLOW Strong Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes No _____ Recovery Total Ft. 950 feet salt water

Reversed Out Yes No Mud Type Gel Viscosity 34 Weight 8.9 Water Loss -- cc. Maximum Temp. 90 °F
Type Circ. Sub. Plug 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 2949 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe _____ ft. I.D. Weight Pipe _____ in. Length Drill Collars 216 ft.
I. D. Drill Collars 2.7 in. Length D.S.T. Tool 39 ft.

Remarks _____
K. G. S. LIBRARY

51-24-4E

WESTERN TESTING CO., INC.
Pressure Data

Date 12-27-70 Test Ticket No. 14165
 Recorder No. 2608 Capacity 4150 Location 2336 Ft.
 Clock No. 6859 Elevation 1350 Derrick Floor Well Temperature 90 °F

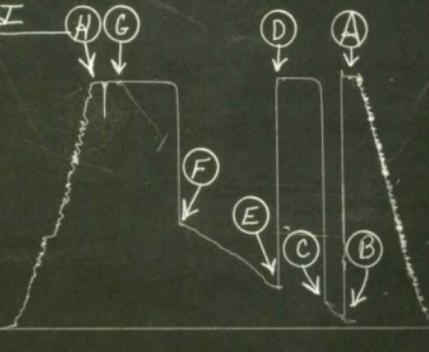
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1080</u>	P.S.I.	<u>3:14 A_M</u>	
B First Initial Flow Pressure	<u>49</u>	P.S.I.	<u>10</u> Mins.	<u>12</u> Mins.
C First Final Flow Pressure	<u>112</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1067</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>174</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>451</u>	P.S.I.		
G Final Closed-in Pressure	<u>1061</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1061</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	<u>2</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>0</u>	<u>112</u>	<u>0</u>	<u>174</u>	<u>0</u>	<u>451</u>
P 2	<u>5</u>	<u>3</u>	<u>1043</u>	<u>5</u>	<u>183</u>	<u>3</u>	<u>1041</u>
P 3	<u>10</u>	<u>6</u>	<u>1062</u>	<u>10</u>	<u>222</u>	<u>6</u>	<u>1049</u>
P 4	<u>12</u>	<u>9</u>	<u>1066</u>	<u>15</u>	<u>253</u>	<u>9</u>	<u>1053</u>
P 5		<u>12</u>	<u>1066</u>	<u>20</u>	<u>282</u>	<u>12</u>	<u>1054</u>
P 6		<u>15</u>	<u>1067</u>	<u>25</u>	<u>312</u>	<u>15</u>	<u>1054</u>
P 7		<u>18</u>	<u>1067</u>	<u>30</u>	<u>328</u>	<u>18</u>	<u>1055</u>
P 8		<u>21</u>	<u>1067</u>	<u>35</u>	<u>347</u>	<u>21</u>	<u>1056</u>
P 9		<u>24</u>	<u>1067</u>	<u>40</u>	<u>374</u>	<u>24</u>	<u>1057</u>
P10		<u>27</u>	<u>1067</u>	<u>45</u>	<u>395</u>	<u>27</u>	<u>1058</u>
P11		<u>30</u>	<u>1067</u>	<u>50</u>	<u>422</u>	<u>30</u>	<u>1059</u>
P12				<u>55</u>	<u>437</u>	<u>33</u>	<u>1060</u>
P13				<u>60</u>	<u>451</u>	<u>36</u>	<u>1061</u>
P14						<u>39</u>	<u>1061</u>
P15						<u>42</u>	<u>1061</u>
P16						<u>45</u>	<u>1061</u>
P17							
P18							
P19							
P20							

K. G. S. LIBRARY

TKT-14165-I



2608



31-24-4E

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

Company **Kansas Petroleum Inc.** Lease & Well No. **McLain #1**
Elevation **1350 Derrick Floor** Formation **Mississippian** Effective Pay _____ Ft. Ticket No. **14369**
Date **12-28-70** Sec. **31** Twp. **24S** Range **4E** County **Butler** State **Kansas**
Test Approved by **Jack H. Brown** Western Representative **Norman Allen**

Formation Test No. **3** O.K. Misrun _____ Interval Tested From **2670'** to **2700'** Total Depth **2700'**
Size Main Hole **7 7/8"** Rat Hole _____ Conv. B.T. _____ Damaged _____ Yes No Conv. B.T. _____ Damaged _____ Yes No
Packer Depth **2665** Ft. Size **6 3/4"** Packer Depth **2670** Ft. Size **6 3/4"**
Straddle _____ Yes _____ No Conv. _____ B.T. _____ Damaged _____ Yes _____ No

Tool Size **5 1/2" O.D.** Tool Jt. Size **4 1/2" F.H.** Anchor Length **30** Ft. Size **5 1/2" O.D.**

RECORDERS Depth **2692** Ft. Clock No. **6861** Depth **2695** Ft. Clock No. **6860**
Top Make **Kuster** Cap. **4000** No. **3351** Inside _____ Outside _____ Bottom Make **Kuster** Cap. _____ No. _____ Inside _____ Outside _____
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____ Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Time Set Packer **9:23** P.M.
Tool Open I.F.P. From **8:25** M. to **8:30P.** M. Hr. **5** Min. From (B) **120** P.S.I. To (C) **233** P.S.I.
Tool Closed I.C.I.P. From **8:30** M. to **9:00P.** M. Hr. **30** Min. (D) **721** P.S.I.
Tool Open F.F.P. From **9:00** M. to **10:00P.** M. Hr. **60** Min. From (E) **220** P.S.I. To (F) **546** P.S.I.
Tool Closed F.C.I.P. From **10:00** M. to **10:45P.** M. Hr. **45** Min. (G) **713** P.S.I.
Initial Hydrostatic Pressure (A) **1260** P.S.I. Final Hydrostatic Pressure (H) **1226** P.S.I.

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

BLOW **Strong thru out test - Gas to surface 50 min. - too weak to measure** Bottom Choke Size **3/4** In.
Did Well Flow **Gas** Yes _____ No _____ Recovery Total Ft. **1560 feet gassy oil**

Reversed Out _____ Yes No _____ Mud Type **Chem.** Viscosity **49** Weight **9.1** Water Loss **9.6** cc. Maximum Temp. **104** °F
Type Circ. Sub. **P1n** Did Tool Plug? _____ No _____ Jars: Size **3 1/2 FH** Make **WTC** Ser. No. **404**
EXTRA EQUIPMENT: Dual Packers **Yes** Safety Joint **No** Did Packer Hold? **Yes** Where? _____
Length Drill Pipe **2183** ft. I.D. Drill Pipe **3.8** in. Length Weight Pipe **270** ft. I.D. Weight Pipe **2.7** in. Length Drill Collars **192** ft.
I. D. Drill Collars **2 1/4** in. Length D.S.T. Tool **55** ft.

Remarks **Oil checked 45 degrees gravity (corrected)**
waited on daylight to pull oil

K. G. S. LIBRARY

31-24-42

WESTERN TESTING CO., INC.
Pressure Data

Date 12-28-70 Test Ticket No. 14369
 Recorder No. 3351 Capacity 4000 Location 2692 Ft.
 Clock No. 6861 Elevation 1350 Derrick Floor Well Temperature 104 °F

Point	Pressure		Time Given		Time Computed
A Initial Hydrostatic Mud	<u>1260</u>	P.S.I.	<u>9:23</u>	P	
B First Initial Flow Pressure	<u>120</u>	P.S.I.	<u>5</u>	Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>233</u>	P.S.I.	<u>30</u>	Mins.	<u>33</u> Mins.
D Initial Closed-in Pressure	<u>721</u>	P.S.I.	<u>60</u>	Mins.	<u>63</u> Mins.
E Second Initial Flow Pressure	<u>220</u>	P.S.I.	<u>45</u>	Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>546</u>	P.S.I.			
G Final Closed-in Pressure	<u>713</u>	P.S.I.			
H Final Hydrostatic Mud	<u>1226</u>	P.S.I.			

PRESSURE BREAKDOWN

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

Initial Shut-In
 Breakdown: 11 Inc.
 of 3 mins. and a
 final inc. of _____ Min.

Second Flow Pressure
 Breakdown: 12 Inc.
 of 5 mins. and a
 final inc. of 3 Min.

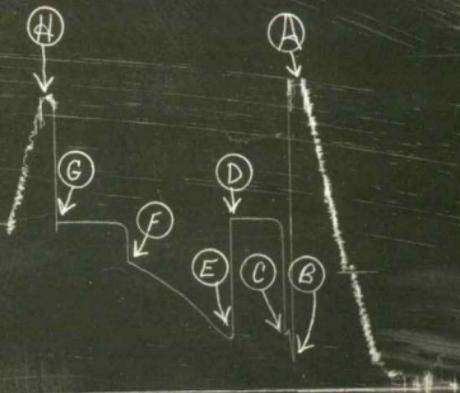
Final Shut-In
 Breakdown: 15 Inc.
 of 3 mins. and a
 final inc. of _____ Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 0	<u>120</u>	0	<u>233</u>	0	<u>220</u>	0	<u>546</u>
P 1				5	<u>228</u>	3	<u>694</u>
P 2	<u>233</u>	3	<u>690</u>	10	<u>262</u>	6	<u>703</u>
P 3		6	<u>708</u>	15	<u>296</u>	9	<u>706</u>
P 4		9	<u>714</u>	20	<u>334</u>	12	<u>710</u>
P 5		12	<u>715</u>	25	<u>368</u>	15	<u>711</u>
P 6		15	<u>715</u>	30	<u>400</u>	18	<u>712</u>
P 7		18	<u>716</u>	35	<u>422</u>	21	<u>712</u>
P 8		21	<u>719</u>	40	<u>448</u>	24	<u>713</u>
P 9		24	<u>719</u>	45	<u>472</u>	27	<u>713</u>
P10		27	<u>720</u>	50	<u>494</u>	30	<u>713</u>
P11		30	<u>721</u>	55	<u>514</u>	33	<u>713</u>
P12		33	<u>721</u>	60	<u>535</u>	36	<u>713</u>
P13				63	<u>546</u>	39	<u>713</u>
P14						42	<u>713</u>
P15						45	<u>713</u>
P16							
P17							
P18							
P19							
P20							

K. G. S. LIBRARY

TKT-14369-I

Waiting On Daylight To Pull



K. P. S.