



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

Company United Pet. Co. & Circle Oil Co. Lease & Well No. Westermeyer #1

Elevation 2226 Kelly Bushings Formation Mississippian Effective Pay 9 Ft. Ticket No. 17253

Date Dec. 13, 1971 Sec. 19 Twp. 19 Range 22 County Ness State Kansas

Test Approved by Frank M. Brooks Western Representative Leon Elmore

Formation Test No. 1 O.K. Misrun Interval Tested From 4325' to 4345' Total Depth 4345'

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

Packer Depth 4325 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" P.H. Anchor Length 19 Ft. Size 5 1/2" O.D.

RECORDERS Depth 4336 Ft. Clock No. 8377 Depth 4339 Ft. Clock No. 8476

Top Make Kuster Cap. 4500 No. 3085 Inside Outside Bottom Make Kuster Cap. 4400 No. 2603 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 6:41 P. M

Tool Open I.F.P. From 6:44 M. to 8:01 M. Hr. 17 Min. From (B) 0 P.S.I. To (C) 0 P.S.I.

Tool Closed I.C.I.P. From M. to M. Hr. Min. (D) P.S.I.

Tool Open F.F.P. From M. to M. Hr. Min. From (E) P.S.I. To (F) P.S.I.

Tool Closed F.C.I.P. From M. to M. Hr. Min. (G) P.S.I.

Initial Hydrostatic Pressure (A) 2215 P.S.I. Final Hydrostatic Pressure (H) 2148 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 17 minutes - died Bottom Choke Size In.

Did Well Flow Yes No Recovery Total Ft. 150 feet Mud with few spots of oil in tip 90 feet

Reversed Out Yes No Mud Type Starch Viscosity 37 Weight 9.8 Water Loss 16 cc. Maximum Temp. 116 °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? Partially Where?

Length Drill Pipe 3682 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 629 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars -- ft.

I. D. Drill Collars -- in. Length D.S.T. Tool 34 ft.

Remarks Weak blow for 17 minutes - died - Flush tool - Weak blow for 2 minutes
Packer give way - try to reset - Packer failed again - Come out of hole
6 feet New Hole was made after this test

Box 103
 Home Office: Crest, Band, Kansas



WESTERN TESTING CO., INC.
Pressure Data

Date December 13, 1971 Test Ticket No. 17253
 Recorder No. 3085 Capacity 4500 Location 4336 Ft.
 Clock No. 8377 Elevation 2226 Kelly Bushings Well Temperature 116 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2215</u> P.S.I.	Open Tool	<u>6:41</u> P. M.	
B First Initial Flow Pressure	<u>0</u> P.S.I.	First Flow Pressure	<u>17</u> Mins.	<u>17</u> Mins.
C First Final Flow Pressure	<u>0</u> P.S.I.	Initial Closed-in Pressure		
D Initial Closed-in Pressure		Second Flow Pressure		
E Second Initial Flow Pressure		Final Closed-in Pressure		
F Second Final Flow Pressure				
G Final Closed-in Pressure				
H Final Hydrostatic Mud	<u>2148</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of <u>5</u> mins. and a		of _____ mins. and a		of _____ mins. and a		of _____ 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>						
P 2 <u>5</u>	<u>0</u>						
P 3 <u>10</u>	<u>0</u>						
P 4 <u>15</u>	<u>0</u>						
P 5 <u>17</u>	<u>0</u>						
P 6 _____							
P 7 _____							
P 8 _____							
P 9 _____							
P10 _____							
P11 _____							
P12 _____							
P13 _____							
P14 _____							
P15 _____							
P16 _____							
P17 _____							
P18 _____							
P19 _____							
P20 _____							

PACKER FAILURE



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2223	2215	PSI
(B) First Initial Flow Pressure	0	0	PSI
(C) First Final Flow Pressure			PSI
(D) Initial Closed-in Pressure			PSI
(E) Second Initial Flow Pressure			PSI
(F) Second Final Flow Pressure			PSI
(G) Final Closed-in Pressure			PSI
(H) Final Hydrostatic Mud	2183	2148	PSI



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

Company United Pet. Co. & Circle Oil Co. Lease & Well No. Westermeyer #1
Elevation 2226 Kelly Bushings Formation Mississippian Effective Pay 6 Ft. Ticket No. 17254
Date Dec. 15, 1971 Sec. 19 Twp. 19 Range 22 County Ness State Kansas
Test Approved by Frank M. Brooks Western Representative Leon Elmore

Formation Test No. 2 O.K. Misrun _____ Interval Tested From 4298' to 4350' Total Depth 4350'
Size Main Hole 7 7/8" Rat Hole _____ Conv. B.T. _____ Damaged Yes _____ No Conv. _____ B.T. _____ Damaged Yes _____ No
Packer Depth 4293 Ft. Size 6 3/4" Packer Depth 4298 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 52 Ft. Size 32' w.P. 20'-5 1/2"

RECORDERS Depth 4343 Ft. Clock No. 8377 Depth 4346 Ft. Clock No. 8476
Top Make Kuster Cap. 4500 No. 3085 Inside _____ Outside _____ Bottom Make Kuster Cap. 4400 No. 2603 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 1:23 A. M
Tool Open I.F.P. From 1:26 M. to 1:56 M. Hr. 30 Min. From (B) 66 P.S.I. To (C) 136 P.S.I.
Tool Closed I.C.I.P. From 1:56 M. to 2:26 M. Hr. 30 Min. (D) 1209 P.S.I.
Tool Open F.F.P. From 2:26 M. to 3:26 M. Hr. 60 Min. From (E) 167 P.S.I. To (F) 258 P.S.I.
Tool Closed F.C.I.P. From 3:26 M. to 4:26 M. Hr. 60 Min. (G) 1206 P.S.I.
Initial Hydrostatic Pressure (A) 2229 P.S.I. Final Hydrostatic Pressure (H) 2170 P.S.I.

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

BLOW Good through out Test Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes No _____ Recovery Total Ft. 120 feet Gassy oil - 240 feet gassy muddy oil
240 feet Gassy oily mud

Reversed Out _____ Yes No _____ Mud Type Starch Viscosity 46 Weight 9.7 Water Loss 12 cc. Maximum Temp. 125 °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 3681 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 629 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 40 ft.

Remarks Tool Slide 6 feet after opening
28 gravity oil - corrected
Wait 2 hours for daylight

WESTERN TESTING CO., INC.

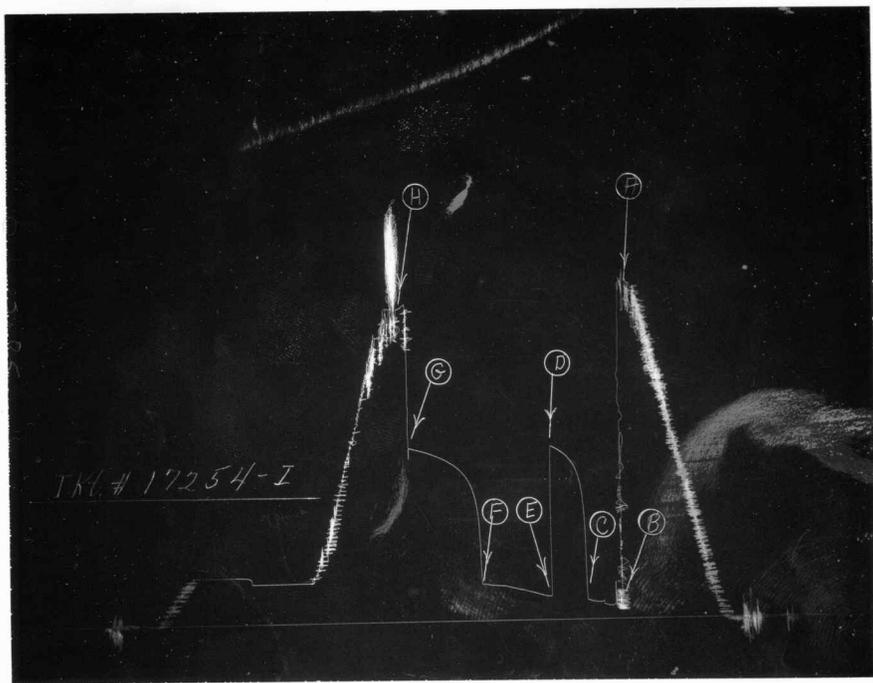
Pressure Data

Date Dec. 15, 1971 Test Ticket No. 17254
 Recorder No. 3085 Capacity 4500 Location 4343 Ft.
 Clock No. 8377 Elevation 2226 Kelly Bushings Well Temperature 125 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2220</u> P.S.I.	Open Tool	<u>1:23</u> A.M.	
B First Initial Flow Pressure	<u>66</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>136</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1209</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>167</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>258</u> P.S.I.			
G Final Closed-in Pressure	<u>1206</u> P.S.I.			
H Final Hydrostatic Mud	<u>2170</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>20</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>66</u>	<u>0</u> <u>136</u>	<u>0</u> <u>167</u>	<u>0</u> <u>167</u>	<u>0</u> <u>258</u>	<u>0</u> <u>258</u>	<u>258</u>
P 2	<u>5</u> <u>83</u>	<u>3</u> <u>867</u>	<u>5</u> <u>169</u>	<u>5</u> <u>169</u>	<u>3</u> <u>794</u>	<u>3</u> <u>794</u>	<u>794</u>
P 3	<u>10</u> <u>95</u>	<u>6</u> <u>976</u>	<u>10</u> <u>181</u>	<u>10</u> <u>181</u>	<u>6</u> <u>888</u>	<u>6</u> <u>888</u>	<u>888</u>
P 4	<u>15</u> <u>100</u>	<u>9</u> <u>1054</u>	<u>15</u> <u>194</u>	<u>15</u> <u>194</u>	<u>9</u> <u>952</u>	<u>9</u> <u>952</u>	<u>952</u>
P 5	<u>20</u> <u>120</u>	<u>12</u> <u>1098</u>	<u>20</u> <u>203</u>	<u>20</u> <u>203</u>	<u>12</u> <u>995</u>	<u>12</u> <u>995</u>	<u>995</u>
P 6	<u>25</u> <u>126</u>	<u>15</u> <u>1130</u>	<u>25</u> <u>215</u>	<u>25</u> <u>215</u>	<u>15</u> <u>1030</u>	<u>15</u> <u>1030</u>	<u>1030</u>
P 7	<u>30</u> <u>136</u>	<u>18</u> <u>1154</u>	<u>30</u> <u>224</u>	<u>30</u> <u>224</u>	<u>18</u> <u>1055</u>	<u>18</u> <u>1055</u>	<u>1055</u>
P 8		<u>21</u> <u>1172</u>	<u>35</u> <u>234</u>	<u>35</u> <u>234</u>	<u>21</u> <u>1078</u>	<u>21</u> <u>1078</u>	<u>1078</u>
P 9		<u>24</u> <u>1188</u>	<u>40</u> <u>241</u>	<u>40</u> <u>241</u>	<u>24</u> <u>1096</u>	<u>24</u> <u>1096</u>	<u>1096</u>
P10		<u>27</u> <u>1200</u>	<u>45</u> <u>246</u>	<u>45</u> <u>246</u>	<u>27</u> <u>1108</u>	<u>27</u> <u>1108</u>	<u>1108</u>
P11		<u>30</u> <u>1209</u>	<u>50</u> <u>250</u>	<u>50</u> <u>250</u>	<u>30</u> <u>1122</u>	<u>30</u> <u>1122</u>	<u>1122</u>
P12			<u>55</u> <u>254</u>	<u>55</u> <u>254</u>	<u>33</u> <u>1133</u>	<u>33</u> <u>1133</u>	<u>1133</u>
P13			<u>60</u> <u>258</u>	<u>60</u> <u>258</u>	<u>36</u> <u>1145</u>	<u>36</u> <u>1145</u>	<u>1145</u>
P14					<u>39</u> <u>1154</u>	<u>39</u> <u>1154</u>	<u>1154</u>
P15					<u>42</u> <u>1166</u>	<u>42</u> <u>1166</u>	<u>1166</u>
P16					<u>45</u> <u>1175</u>	<u>45</u> <u>1175</u>	<u>1175</u>
P17					<u>48</u> <u>1182</u>	<u>48</u> <u>1182</u>	<u>1182</u>
P18					<u>51</u> <u>1189</u>	<u>51</u> <u>1189</u>	<u>1189</u>
P19					<u>54</u> <u>1195</u>	<u>54</u> <u>1195</u>	<u>1195</u>
P20					<u>57</u> <u>1200</u>	<u>57</u> <u>1200</u>	<u>1200</u>
					<u>60</u> <u>1206</u>	<u>60</u> <u>1206</u>	<u>1206</u>



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2212	2229	PSI
(B) First Initial Flow Pressure	59	66	PSI
(C) First Final Flow Pressure	137	136	PSI
(D) Initial Closed-in Pressure	1210	1209	PSI
(E) Second Initial Flow Pressure	167	167	PSI
(F) Second Final Flow Pressure	257	258	PSI
(G) Final Closed-in Pressure	1204	1206	PSI
(H) Final Hydrostatic Mud	2193	2170	PSI