



P. O. BOX 1599 PHONE (316) 838-0601
WICHITA, KANSAS 67201

Company Mid Continent Energy Corporation Lease & Well No. Williams #1
Elevation ----- Formation Douglas Effective Pay ----- Ft. Ticket No. 476
Date 7/9/78 Sec. 34 Twp. 32S Range 11W County Barber State Kansas
Test Approved by Jerry J. Holstin Western Representative Rod Tritt

Formation Test No. 1 Interval Tested from 3627' ft. to 3687' ft. Total Depth 3687' ft.

Packer Depth 3625 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3627 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -----

Top Recorder Depth (Inside) 3631 ft. Recorder Number 2604 Cap. 4150

Bottom Recorder Depth (Outside) 3634 ft. Recorder Number 2606 Cap. 4150

Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. --

Drilling Contractor Union Drilling Company Drill Collar Length 357 I. D. 2 1/4 in.

Mud Type premix Viscosity 42 Weight Pipe Length 500 I. D. 2.8 in.

Weight 8.8 Water Loss 70.8 cc. Drill Pipe Length 3179 I. D. 3.8 in.

Chlorides 14,000 P.P.M. Test Tool Size 5 1/2 OD in. Tool Joint Size 4 1/2 FH in.

Jars: Make WTC Serial Number ----- Anchor Length 60 ft. Size 5 1/2 OD in.

Did Well Flow? No Reversed Out ----- Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in.

Blow: Weak blow decreasing to no blow in 20 minutes on initial flow period. Weak blow throughout final flow period.

Recovered 210 ft. of slightly oil cut mud

Recovered 30 ft. of light oil cut mud

Recovered ----- ft. of -----

Recovered ----- ft. of -----

Recovered ----- ft. of -----

Remarks: -----

Time Set Packer(s) 7:45 A.M. Time Started Off Bottom 10:15 A.M. Maximum Temperature 112

Initial Hydrostatic Pressure (A) 1683 P.S.I.

Initial Flow Period Minutes 30 (B) 133 P.S.I. to (C) 110 P.S.I.

Initial Closed In Period Minutes 45 (D) 303 P.S.I.

Final Flow Period Minutes 30 (E) 158 P.S.I. to (F) 121 P.S.I.

Final Closed In Period Minutes 45 (G) 275 P.S.I.

Final Hydrostatic Pressure (H) 1655 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

7-10-78

Date 7/9/78 Test Ticket No. 476
 Recorder No. 2604 Capacity 4150 Location 3631 Ft.
 Clock No. ----- Elevation ----- Well Temperature 112 °F

Point	Pressure		Time Given	Time Computed
A. Initial Hydrostatic Mud	1683	P.S.I.	7:45A	M
B First Initial Flow Pressure	133	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	110	P.S.I.	45	Mins. 45 Mins.
D Initial Closed-in Pressure	303	P.S.I.	30	Mins. 30 Mins.
E Second Initial Flow Pressure	158	P.S.I.	45	Mins. 54 Mins.
F Second Final Flow Pressure	121	P.S.I.		
G Final Closed-in Pressure	275	P.S.I.		
H Final Hydrostatic Mud	1655	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>6</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 <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>133</u>	<u>0</u>	<u>110</u>	<u>0</u>	<u>158</u>	<u>0</u>	<u>121</u>
P 2 <u>5</u>	<u>117</u>	<u>3</u>	<u>113</u>	<u>5</u>	<u>137</u>	<u>3</u>	<u>122</u>
P 3 <u>10</u>	<u>113</u>	<u>6</u>	<u>119</u>	<u>10</u>	<u>130</u>	<u>6</u>	<u>129</u>
P 4 <u>15</u>	<u>112</u>	<u>9</u>	<u>128</u>	<u>15</u>	<u>126</u>	<u>9</u>	<u>135</u>
P 5 <u>20</u>	<u>111</u>	<u>12</u>	<u>138</u>	<u>20</u>	<u>122</u>	<u>12</u>	<u>141</u>
P 6 <u>25</u>	<u>110</u>	<u>15</u>	<u>151</u>	<u>25</u>	<u>121</u>	<u>15</u>	<u>149</u>
P 7 <u>30</u>	<u>110</u>	<u>18</u>	<u>163</u>	<u>30</u>	<u>121</u>	<u>18</u>	<u>155</u>
P 8 <u> </u>	<u> </u>	<u>21</u>	<u>176</u>	<u> </u>	<u> </u>	<u>21</u>	<u>165</u>
P 9 <u> </u>	<u> </u>	<u>24</u>	<u>192</u>	<u> </u>	<u> </u>	<u>24</u>	<u>175</u>
P10 <u> </u>	<u> </u>	<u>27</u>	<u>206</u>	<u> </u>	<u> </u>	<u>27</u>	<u>184</u>
P11 <u> </u>	<u> </u>	<u>30</u>	<u>225</u>	<u> </u>	<u> </u>	<u>30</u>	<u>194</u>
P12 <u> </u>	<u> </u>	<u>33</u>	<u>240</u>	<u> </u>	<u> </u>	<u>33</u>	<u>203</u>
P13 <u> </u>	<u> </u>	<u>36</u>	<u>255</u>	<u> </u>	<u> </u>	<u>36</u>	<u>211</u>
P14 <u> </u>	<u> </u>	<u>39</u>	<u>273</u>	<u> </u>	<u> </u>	<u>39</u>	<u>224</u>
P15 <u> </u>	<u> </u>	<u>42</u>	<u>295</u>	<u> </u>	<u> </u>	<u>42</u>	<u>236</u>
P16 <u> </u>	<u> </u>	<u>45</u>	<u>303</u>	<u> </u>	<u> </u>	<u>45</u>	<u>248</u>
P17 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>48</u>	<u>259</u>
P18 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>51</u>	<u>270</u>
P19 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>54</u>	<u>275</u>
P20 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

2604

TK+ # 476

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