

Company Ben Hogan Lease & Well No. DeWerff #1
 Elevation 2730 Ground Level Formation Kansas City Effective Pay - Ft. Ticket No. 9610
 Date 2/10/81 Sec. 18 Twp. 19S Range 27W County Lane State Kansas
 Test Approved by Eddie Loudon Western Representative Darrell Claphan
 Formation Test No. 1 Interval Tested from 4220 ft. to 4257 ft. Total Depth 4257 ft.
 Packer Depth 4215 ft. Size 6 3/4 in. Packer Depth 4220 ft. Size 6 3/4 in.
 Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4222 ft. Recorder Number 10266 Cap. 4650
 Bottom Recorder Depth (Outside) 4226 ft. Recorder Number H & T Cap. -
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Abercrombie Drilling Rig #6 Drill Collar Length - I. D. - in.
 Mud Type premix-driscac Viscosity 45 Weight Pipe Length 319 I. D. 2.7 in.
 Weight 9.6 Water Loss 18 cc. Drill Pipe Length 3881 I. D. 3.8 in.
 Chlorides 11,000 P.P.M. Test Tool Length 20 ft. Tool Size 4.5 in.
 Jars: Make -- Serial Number - Anchor Length 37 ft. Size 5.5 in.
 Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4.5 in.

Blow: Weak blow building to good blow one half inch to ten inches throughout test.

Recovered 200 ft. of watery mud several oil specks on top of tool

Recovered 420 ft. of water

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Bottom clock stopped before going into hole; substituted H & T Recorder ; had trouble with slips in turning tool (iced up)

Time Set Packer(s)	<u>1:40</u>	AM P.M.	Time Started Off Bottom	<u>4:55</u>	AM P.M.	Maximum Temperature	<u>112°</u>
Initial Hydrostatic Pressure			(A)	<u>2135</u>	P.S.I.		
Initial Flow Period	Minutes <u>25</u>		(B)	<u>108</u>	P.S.I. to (C)	<u>195</u>	P.S.I.
Initial Closed In Period	Minutes <u>42</u>		(D)	<u>1219</u>	P.S.I.		
Final Flow Period	Minutes <u>60</u>		(E)	<u>286</u>	P.S.I. to (F)	<u>356</u>	P.S.I.
Final Closed In Period	Minutes <u>57</u>		(G)	<u>1212</u>	P.S.I.		
Final Hydrostatic Pressure			(H)	<u>2112</u>	P.S.I.		

WESTERN TESTING CO., INC.

Pressure Data

Date 2/10/81 Recorder No. 10266 Capacity 4650 Test Ticket No. 9610
 Clock No. -- Elevation 2730 Ground Level Location 4222 Ft. 112 °F 112

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2135	P.S.I.	1:40P	M
B First Initial Flow Pressure	108	P.S.I.	30	Mins. 25
C First Final Flow Pressure	195	P.S.I.	45	Mins. 42
D Initial Closed-in Pressure	1219	P.S.I.	60	Mins. 60
E Second Initial Flow Pressure	286	P.S.I.	60	Mins. 57
F Second Final Flow Pressure	356	P.S.I.		
G Final Closed-in Pressure	1212	P.S.I.		
H Final Hydrostatic Mud	2112	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>5</u> Inc.		Breakdown: <u>14</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>19</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>108</u>	<u>0</u>	<u>195</u>	<u>0</u>	<u>286</u>	<u>0</u>	<u>356</u>
P 2 <u>5</u>	<u>120</u>	<u>3</u>	<u>1088</u>	<u>5</u>	<u>265</u>	<u>3</u>	<u>1086</u>
P 3 <u>10</u>	<u>138</u>	<u>6</u>	<u>1133</u>	<u>10</u>	<u>263</u>	<u>6</u>	<u>1119</u>
P 4 <u>15</u>	<u>160</u>	<u>9</u>	<u>1153</u>	<u>15</u>	<u>264</u>	<u>9</u>	<u>1137</u>
P 5 <u>20</u>	<u>174</u>	<u>12</u>	<u>1172</u>	<u>20</u>	<u>270</u>	<u>12</u>	<u>1149</u>
P 6 <u>25</u>	<u>195</u>	<u>15</u>	<u>1181</u>	<u>25</u>	<u>277</u>	<u>15</u>	<u>1163</u>
P 7 <u>30</u>		<u>18</u>	<u>1188</u>	<u>30</u>	<u>289</u>	<u>18</u>	<u>1172</u>
P 8		<u>21</u>	<u>1198</u>	<u>35</u>	<u>298</u>	<u>21</u>	<u>1179</u>
P 9		<u>24</u>	<u>1202</u>	<u>40</u>	<u>308</u>	<u>24</u>	<u>1187</u>
P10		<u>27</u>	<u>1207</u>	<u>45</u>	<u>319</u>	<u>27</u>	<u>1188</u>
P11		<u>30</u>	<u>1209</u>	<u>50</u>	<u>329</u>	<u>30</u>	<u>1193</u>
P12		<u>33</u>	<u>1213</u>	<u>55</u>	<u>340</u>	<u>33</u>	<u>1197</u>
P13		<u>36</u>	<u>1216</u>	<u>60</u>	<u>356</u>	<u>36</u>	<u>1200</u>
P14		<u>39</u>	<u>1218</u>			<u>39</u>	<u>1201</u>
P15		<u>42</u>	<u>1219</u>			<u>42</u>	<u>1202</u>
P16						<u>45</u>	<u>1205</u>
P17						<u>48</u>	<u>1207</u>
P18						<u>51</u>	<u>1209</u>
P19						<u>54</u>	<u>1211</u>
P20						<u>57</u>	<u>1212</u>

DKt # 961U

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