

Company Pickrell Drilling Company Lease & Well No. Weikal "C" #1
 Elevation 2182 Kelly Bushing Formation Inola Effective Pay -- Ft. Ticket No. 3357
 Date 8/12/79 Sec. 36 Twp. 30S Range 21W County Clark State Kansas
 Test Approved by Mike G. Russell Western Representative Dave Sloan

Formation Test No. 1 Interval Tested from 5078 ft. to 5140 ft. Total Depth 5140 ft.
 Packer Depth 5073 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 5078 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set --

Top Recorder Depth (Inside) 5096 ft. Recorder Number 6246 Cap. 5200
 Bottom Recorder Depth (Outside) 5099 ft. Recorder Number 5673 Cap. 5400
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Pickrell Drilling Drill Collar Length 327 I. D. 2.2 in.
 Mud Type drispac Viscosity 48 Weight Pipe Length - I. D. - in.
 Weight 9.3 Water Loss 12.9 cc. Drill Pipe Length 4723 I. D. 3.8 in.
 Chlorides 20,000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 OD in.
 Jars: Make WTC Serial Number 418 Anchor Length 33 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. Tool Joint Size 4 1/2 XH in.

Blow: Weak blow, dying twenty minutes into initial flow period.

Recovered 5 ft. of drilling mud
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: Flushed tool after fifteen minutes in final flow period.

Time Set Packer(s) 11:15 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 1:15 ~~P.M.~~ ^{A.M.} Maximum Temperature 118
 Initial Hydrostatic Pressure (A) 2516 P.S.I.
 Initial Flow Period Minutes 30 (B) 37 P.S.I. to (C) 31 P.S.I.
 Initial Closed In Period Minutes 30 (D) 42 P.S.I.
 Final Flow Period Minutes 30 (E) 30 P.S.I. to (F) 45 P.S.I.
 Final Closed In Period Minutes 30 (G) 59 P.S.I.
 Final Hydrostatic Pressure (H) 2457 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 8/12/79 Test Ticket No. 3357
 Recorder No. 6246 Capacity 5200 Location 5096 Ft.
 Clock No. -- Elevation 2182 Kelly Bushing Well Temperature 118 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2516 P.S.I.	Open Tool	11:15A	M
B First Initial Flow Pressure	37 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	31 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	42 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	30 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	45 P.S.I.			
G Final Closed-in Pressure	59 P.S.I.			
H Final Hydrostatic Mud	2457 P.S.I.			

PRESSURE BREAKDOWN

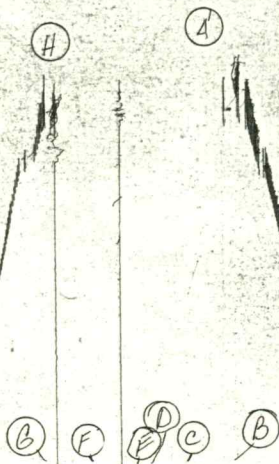
First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> 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>37</u>	<u>0</u>	<u>31</u>	<u>0</u>	<u>30</u>	<u>0</u>	<u>45</u>
P 2 <u>5</u>	<u>34</u>	<u>3</u>	<u>34</u>	<u>5</u>	<u>30</u>	<u>3</u>	<u>45</u>
P 3 <u>10</u>	<u>31</u>	<u>6</u>	<u>34</u>	<u>10</u>	<u>30</u>	<u>6</u>	<u>45</u>
P 4 <u>15</u>	<u>30</u>	<u>9</u>	<u>37</u>	<u>15</u>	<u>45</u>	<u>9</u>	<u>45</u>
P 5 <u>20</u>	<u>31</u>	<u>12</u>	<u>37</u>	<u>20</u>	<u>45</u>	<u>12</u>	<u>45</u>
P 6 <u>25</u>	<u>31</u>	<u>15</u>	<u>37</u>	<u>25</u>	<u>45</u>	<u>15</u>	<u>52</u>
P 7 <u>30</u>	<u>31</u>	<u>18</u>	<u>37</u>	<u>30</u>	<u>45</u>	<u>18</u>	<u>53</u>
P 8		<u>21</u>	<u>38</u>			<u>21</u>	<u>55</u>
P 9		<u>24</u>	<u>39</u>			<u>24</u>	<u>56</u>
P10		<u>27</u>	<u>40</u>			<u>27</u>	<u>58</u>
P11		<u>30</u>	<u>42</u>			<u>30</u>	<u>59</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

flushed tool

6246

TKS # 3357
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PICKRELL DING CO.
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Company Pickrell Drilling Company Lease & Well No. Weikal "C" #1
 Elevation 2182 Kelly Bushing Formation Mississippi Effective Pay -- Ft. Ticket No. 3358
 Date 8/13/79 Sec. 36 Twp. 30S Range 21W County Clark State Kansas
 Test Approved by Mike G. Russell Western Representative Dave Sloan

Formation Test No. 2 Interval Tested from 5162 ft. to 5200 ft. Total Depth 5200 ft.
 Packer Depth 5157 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 5162 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 5192 ft. Recorder Number 6246 Cap. 5200
 Bottom Recorder Depth (Outside) 5195 ft. Recorder Number 5673 Cap. 5400
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Pickrell Drilling Drill Collar Length 356 I. D. 2.2 in.
 Mud Type drispac Viscosity 52 Weight Pipe Length - I. D. - in.
 Weight 9.3 Water Loss 14.4 cc. Drill Pipe Length 4678 I. D. - in.
 Chlorides 20,000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 OD in.
 Jars: Make WTC Serial Number 410 Anchor Length 38 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. Tool Joint Size 4 1/2 XH in.

Blow: Strong blow diminishing to very weak during initial flow period. Strong blow diminishing to weak during final flow period.

Recovered 240 ft. of slightly gas cut drilling mud
 Recovered 60 ft. of oil and gas cut mud 5% oil
 Recovered _____ ft. of _____ 5% water
 Recovered _____ ft. of _____ 90% mud
 Recovered _____ ft. of _____ Chlorides 30,000 ppm

Remarks: Slid tool thirty feet to bottom.

Time Set Packer(s) 8:10 ~~P.M.~~ A.M. Time Started Off Bottom 11:40 ~~P.M.~~ A.M. Maximum Temperature 123
 Initial Hydrostatic Pressure (A) 2704 P.S.I.
 Initial Flow Period Minutes 30 (B) 170 P.S.I. to (C) 187 P.S.I.
 Initial Closed In Period Minutes 30 (D) 315 P.S.I.
 Final Flow Period Minutes 90 (E) 207 P.S.I. to (F) 184 P.S.I.
 Final Closed In Period Minutes 60 (G) 266 P.S.I.
 Final Hydrostatic Pressure (H) 2606 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 8/13/79 Test Ticket No. 3358
 Recorder No. 6246 Capacity 5200 Location 5192 Ft.
 Clock No. -- Elevation 2182 Kelly Bushing Well Temperature 123 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2704	P.S.I.	8:10A	M
B First Initial Flow Pressure	170	P.S.I.	30	Mins.
C First Final Flow Pressure	187	P.S.I.	30	Mins.
D Initial Closed-in Pressure	315	P.S.I.	90	Mins.
E Second Initial Flow Pressure	207	P.S.I.	60	Mins.
F Second Final Flow Pressure	184	P.S.I.		
G Final Closed-in Pressure	266	P.S.I.		
H Final Hydrostatic Mud	2606	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>30</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 <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>170</u>	<u>0</u>	<u>187</u>	<u>0</u>	<u>207</u> Plugged tool	<u>0</u>	<u>184</u>
P 2 <u>5</u>	<u>173</u>	<u>3</u>	<u>212</u>	<u>5</u>	<u>332</u> Plugged tool	<u>3</u>	<u>188</u>
P 3 <u>10</u>	<u>169</u>	<u>6</u>	<u>236</u>	<u>10</u>	<u>346</u> Plugged tool	<u>6</u>	<u>191</u>
P 4 <u>15</u>	<u>186</u>	<u>9</u>	<u>254</u>	<u>15</u>	<u>165</u>	<u>9</u>	<u>196</u>
P 5 <u>20</u>	<u>187</u>	<u>12</u>	<u>270</u>	<u>20</u>	<u>170</u>	<u>12</u>	<u>202</u>
P 6 <u>25</u>	<u>187</u>	<u>15</u>	<u>283</u>	<u>25</u>	<u>171</u>	<u>15</u>	<u>204</u>
P 7 <u>30</u>	<u>187</u>	<u>18</u>	<u>293</u>	<u>30</u>	<u>172</u>	<u>18</u>	<u>207</u>
P 8		<u>21</u>	<u>296</u>	<u>35</u>	<u>173</u>	<u>21</u>	<u>210</u>
P 9		<u>24</u>	<u>306</u>	<u>40</u>	<u>174</u>	<u>24</u>	<u>214</u>
P10		<u>27</u>	<u>314</u>	<u>45</u>	<u>175</u>	<u>27</u>	<u>217</u>
P11		<u>30</u>	<u>315</u>	<u>50</u>	<u>176</u>	<u>30</u>	<u>223</u>
P12				<u>55</u>	<u>177</u>	<u>33</u>	<u>227</u>
P13				<u>60</u>	<u>178</u>	<u>36</u>	<u>230</u>
P14				<u>65</u>	<u>179</u>	<u>39</u>	<u>234</u>
P15				<u>70</u>	<u>180</u>	<u>42</u>	<u>240</u>
P16				<u>75</u>	<u>181</u>	<u>45</u>	<u>244</u>
P17				<u>80</u>	<u>182</u>	<u>48</u>	<u>249</u>
P18				<u>85</u>	<u>183</u>	<u>51</u>	<u>253</u>
P19				<u>90</u>	<u>184</u>	<u>54</u>	<u>258</u>
P20						<u>57</u>	<u>260</u>
						<u>60</u>	<u>266</u>

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PICKED DRUG CO
#1 WEIKAL C
DST # 2

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