

Company Petro Kansas Oil & Gas Lease & Well No. Curless #2
 Elevation --- Formation Mississippi Effective Pay - Ft. Ticket No. 13220
 Date 5/9/82 Sec. 6 Twp. 29S Range 1E County Sedgwick State Kansas
 Test Approved by Lee Cornell Western Representative Robert Davis

Formation Test No. 1 Interval Tested from 3248 ft. to 3262 ft. Total Depth 3262 ft.
 Packer Depth 3248 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 3243 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3253 ft. Recorder Number 13268 Cap. 4225
 Bottom Recorder Depth (Outside) 3257 ft. Recorder Number 11019 Cap. 4500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Reynolds Drlg. Rig #4 Drill Collar Length 337 I. D. 2 1/4 in.
 Mud Type chemical Viscosity 38 Weight Pipe Length - I. D. - in.
 Weight 9.7 Water Loss 13.8 cc. Drill Pipe Length 2891 I. D. 3.8 in.
 Chlorides 9,700 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.
 Jars: Make - Serial Number - Anchor Length 14 ft. Size 5 1/2 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 throughout test.

Recovered 210 ft. of oil and gas cut mud
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks: Slid tool ten feet.

Time Set	Packer(s)	<u>12:40</u>	<u>A.M.</u>	Time Started Off Bottom	<u>3:20</u>	<u>A.M.</u>	Maximum Temperature	<u>?</u>
Initial Hydrostatic Pressure				(A)	<u>1686</u>		P.S.I.	
Initial Flow Period	Minutes	<u>30</u>		(B)	<u>110 *</u>	P.S.I. to (C)	<u>154 *</u>	P.S.I.
Initial Closed In Period	Minutes	<u>30</u>		(D)	<u>1616</u>		P.S.I.	
Final Flow Period	Minutes	<u>30</u>		(E)	<u>165 *</u>	P.S.I. to (F)	<u>201 *</u>	P.S.I.
Final Closed In Period	Minutes	<u>60</u>		(G)	<u>1630</u>		P.S.I.	
Final Hydrostatic Pressure				(H)	<u>1641</u>		P.S.I.	

WESTERN TESTING CO., INC.
Pressure Data

Date 5/9/82 Test Ticket No. 13220
 Recorder No. 13268 Capacity 4225 Location 3253 Ft.
 Clock No. --- Elevation --- Well Temperature ---- °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1686</u> P.S.I.	Open Tool	<u>12:40P</u> M	
B First Initial Flow Pressure	<u>110 *</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>154 *</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1616</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>165 *</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>201 *</u> P.S.I.			
G Final Closed-in Pressure	<u>1630</u> P.S.I.			
H Final Hydrostatic Mud	<u>1641</u> P.S.I.			

* PRESSURES QUESTIONABLE DUE TO PLUGGING ACTION

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a 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>110 *</u>	<u>0</u>	<u>154*</u>	<u>0</u>	<u>165 *</u>	<u>0</u>	<u>201 *</u>
P 2 <u>5</u>	<u>110 *</u>	<u>3</u>	<u>301</u>	<u>5</u>	<u>193 *</u>	<u>3</u>	<u>236</u>
P 3 <u>10</u>	<u>110 *</u>	<u>6</u>	<u>779</u>	<u>10</u>	<u>238 *</u>	<u>6</u>	<u>327</u>
P 4 <u>15</u>	<u>262 *</u>	<u>9</u>	<u>1219</u>	<u>15</u>	<u>219 *</u>	<u>9</u>	<u>572</u>
P 5 <u>20</u>	<u>168 *</u>	<u>12</u>	<u>1405</u>	<u>20</u>	<u>280 *</u>	<u>12</u>	<u>798</u>
P 6 <u>25</u>	<u>155 *</u>	<u>15</u>	<u>1487</u>	<u>25</u>	<u>361 *</u>	<u>15</u>	<u>1262</u>
P 7 <u>30</u>	<u>154 *</u>	<u>18</u>	<u>1545</u>	<u>30</u>	<u>201 *</u>	<u>18</u>	<u>1426</u>
P 8 _____		<u>21</u>	<u>1586</u>			<u>21</u>	<u>1521</u>
P 9 _____		<u>24</u>	<u>1605</u>			<u>24</u>	<u>1579</u>
P10 _____		<u>27</u>	<u>1614</u>			<u>27</u>	<u>1602</u>
P11 _____		<u>30</u>	<u>1616</u>			<u>30</u>	<u>1611</u>
P12 _____						<u>33</u>	<u>1615</u>
P13 _____						<u>36</u>	<u>1619</u>
P14 _____						<u>39</u>	<u>1623</u>
P15 _____						<u>42</u>	<u>1627</u>
P16 _____						<u>45</u>	<u>1630</u>
P17 _____						<u>48</u>	<u>1630</u>
P18 _____						<u>51</u>	<u>1630</u>
P19 _____						<u>54</u>	<u>1630</u>
P20 _____						<u>57</u>	<u>1630</u>
						<u>60</u>	<u>1630</u>

TKT # 13220

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