

Company Oil Properties Company, Inc. Lease & Well No. Wood "D" #1
Elevation -- Formation Mississippi Effective Pay ---- Ft. Ticket No. 5326
Date 5/16/80 Sec. 26 Twp. 26S Range 16W County Edwards State Kansas
Test Approved by Robert C. Armstrong Western Representative Roger Mounts
Formation Test No. 1 Interval Tested from 4447 ft. to 4478 ft. Total Depth 4478 ft.
Packer Depth 4442 ft. Size 6 3/4 Packer Depth - ft. Size - in.
Packer Depth 4447 ft. Size 6 3/4 Packer Depth - ft. Size - in.
Depth of Selective Zone Set --
Top Recorder Depth (Inside) 4454 ft. Recorder Number 2606 Cap. 4150
Bottom Recorder Depth (Outside) 4457 ft. Recorder Number 4332 Cap. 4200
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Sterling Drilling Co. Rig #1 Drill Collar Length 289 I. D. 2.2 in.
Mud Type Monpac Viscosity 38 Weight Pipe Length 457 I. D. 3.2 in.
Weight 9.4 Water Loss 18.2 cc. Drill Pipe Length 3681 I. D. 3.8 in.
Chlorides 30,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.
Jars: Make No Serial Number - Anchor Length 31 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 first opening; weak building to fair blow in second opening.

Recovered 60 ft. of very slightly spotty drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: READ OUTSIDE RECORDER #4332

Time Set Packer(s) 6:45 ~~P.M.~~ A.M. Time Started Off Bottom 9:45 ~~P.M.~~ A.M. Maximum Temperature 122°
Initial Hydrostatic Pressure 2181 P.S.I.
Initial Flow Period 45 Minutes (B) 56 P.S.I. to (C) 51 P.S.I.
Initial Closed In Period 45 Minutes (D) 446 P.S.I.
Final Flow Period 45 Minutes (E) 71 P.S.I. to (F) 67 P.S.I.
Final Closed In Period 45 Minutes (G) 310 P.S.I.
Final Hydrostatic Pressure 2166 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

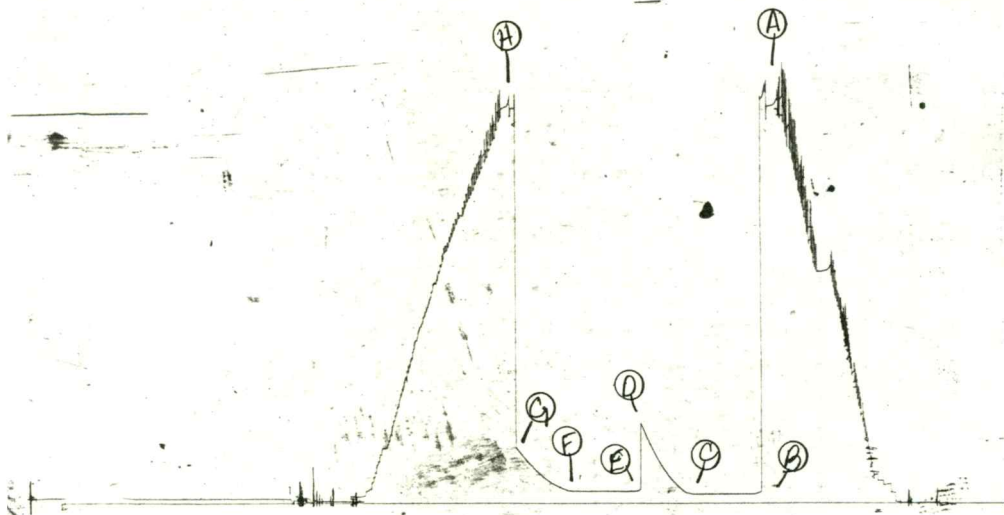
Date 5/16/80 Recorder No. 4332 Capacity 4200 Test Ticket No. 5326
 Clock No. ----- Elevation ----- Location 4457 Ft. 122 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2181	P.S.I.	6:45A	M
B First Initial Flow Pressure	56	P.S.I.	45	Mins.
C First Final Flow Pressure	51	P.S.I.	45	Mins.
D Initial Closed-in Pressure	446	P.S.I.	45	Mins.
E Second Initial Flow Pressure	71	P.S.I.	45	Mins.
F Second Final Flow Pressure	67	P.S.I.	45	Mins.
G Final Closed-in Pressure	310	P.S.I.		
H Final Hydrostatic Mud	2166	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>9</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>15</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>56</u>	<u>0</u>	<u>51</u>	<u>0</u>	<u>71</u>	<u>0</u>	<u>67</u>
P 2 <u>5</u>	<u>52</u>	<u>3</u>	<u>51</u>	<u>5</u>	<u>67</u>	<u>3</u>	<u>67</u>
P 3 <u>10</u>	<u>51</u>	<u>6</u>	<u>51</u>	<u>10</u>	<u>67</u>	<u>6</u>	<u>67</u>
P 4 <u>15</u>	<u>51</u>	<u>9</u>	<u>56</u>	<u>15</u>	<u>67</u>	<u>9</u>	<u>76</u>
P 5 <u>20</u>	<u>51</u>	<u>12</u>	<u>65</u>	<u>20</u>	<u>67</u>	<u>12</u>	<u>84</u>
P 6 <u>25</u>	<u>51</u>	<u>15</u>	<u>89</u>	<u>25</u>	<u>67</u>	<u>15</u>	<u>95</u>
P 7 <u>30</u>	<u>51</u>	<u>18</u>	<u>110</u>	<u>30</u>	<u>67</u>	<u>18</u>	<u>112</u>
P 8 <u>35</u>	<u>51</u>	<u>21</u>	<u>134</u>	<u>35</u>	<u>67</u>	<u>21</u>	<u>129</u>
P 9 <u>40</u>	<u>51</u>	<u>24</u>	<u>160</u>	<u>40</u>	<u>67</u>	<u>24</u>	<u>147</u>
P10 <u>45</u>	<u>51</u>	<u>27</u>	<u>195</u>	<u>45</u>	<u>67</u>	<u>27</u>	<u>162</u>
P11		<u>30</u>	<u>234</u>			<u>30</u>	<u>177</u>
P12		<u>33</u>	<u>272</u>			<u>33</u>	<u>184</u>
P13		<u>36</u>	<u>314</u>			<u>36</u>	<u>190</u>
P14		<u>39</u>	<u>359</u>			<u>39</u>	<u>198</u>
P15		<u>42</u>	<u>407</u>			<u>42</u>	<u>304</u>
P16		<u>45</u>	<u>446</u>			<u>45</u>	<u>310</u>
P17							
P18							
P19							
P20							

TK# 5326
O.



Company Oil Properties Company, Inc. Lease & Well No. Wood "D" #1
 Elevation -- Formation Kinderhook Effective Pay --- Ft. Ticket No. 5328
 Date 5/17/80 Sec. 26 Twp. 26S Range 16W County Edwards State Kansas
 Test Approved by Robert C. Armstrong Western Representative Roger Mounts
 Formation Test No. 2 Interval Tested from 4492 ft. to 4525 ft. Total Depth 4525 ft.
 Packer Depth 4487 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4492 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4499 ft. Recorder Number 2606 Cap. 4150
 Bottom Recorder Depth (Outside) 4502 ft. Recorder Number 4332* Cap. 4200
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Sterling Drlg. Co. Rig #1 Drill Collar Length 289 I. D. 2.2 in.
 Mud Type Mon-Pac Viscosity 41 Weight Pipe Length 457 I. D. 3.2 in.
 Weight 9.4 Water Loss 13.2 cc. Drill Pipe Length 3726 I. D. 3.8 in.
 Chlorides 23,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.
 Jars: Make No Serial Number -- Anchor Length 33 ft. Size 5 1/2 OD in.
 Did Well Flow? -- 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: Fair blow building through first opening. Maintaining fair blow through second opening (no gas)

Recovered 30 ft. of oil cut mud
 Recovered 60 ft. of slightly water oil cut mud
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

READ OUTSIDE RECORDER #4332

Remarks: _____

Time Set Packer(s) 1:53 A.M. P.M. Time Started Off Bottom 4:53 A.M. P.M. Maximum Temperature 128°
 Initial Hydrostatic Pressure (A) 2229 P.S.I.
 Initial Flow Period 45 Minutes (B) 54 P.S.I. to (C) 54 P.S.I.
 Initial Closed In Period 51 Minutes (D) 1183 P.S.I.
 Final Flow Period 45 Minutes (E) 97 P.S.I. to (F) 97 P.S.I.
 Final Closed In Period 51 Minutes (G) 1072 P.S.I.
 Final Hydrostatic Pressure (H) 2174 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 5/17/80 Recorder No. 9332 Capacity 4200 Test Ticket No. 5328
 Location 4502 Ft. Clock No. - Elevation - Well Temperature 128 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2229 P.S.I.	Open Tool	1:53A M	
B First Initial Flow Pressure	54 P.S.I.	First Flow Pressure	45 Mins.	45 Mins.
C First Final Flow Pressure	54 P.S.I.	Initial Closed-in Pressure	45 Mins.	51 Mins.
D Initial Closed-in Pressure	1183 P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E Second Initial Flow Pressure	97 P.S.I.	Final Closed-in Pressure	45 Mins.	51 Mins.
F Second Final Flow Pressure	97 P.S.I.			
G Final Closed-in Pressure	1072 P.S.I.			
H Final Hydrostatic Mud	2174 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>17</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>17</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>54</u>	<u>0</u>	<u>54</u>	<u>0</u>	<u>97</u>	<u>0</u>	<u>97</u>
P 2 <u>5</u>	<u>54</u>	<u>3</u>	<u>56</u>	<u>5</u>	<u>97</u>	<u>3</u>	<u>97</u>
P 3 <u>10</u>	<u>54</u>	<u>6</u>	<u>63</u>	<u>10</u>	<u>97</u>	<u>6</u>	<u>100</u>
P 4 <u>15</u>	<u>54</u>	<u>9</u>	<u>89</u>	<u>15</u>	<u>97</u>	<u>9</u>	<u>117</u>
P 5 <u>20</u>	<u>54</u>	<u>12</u>	<u>138</u>	<u>20</u>	<u>97</u>	<u>12</u>	<u>165</u>
P 6 <u>25</u>	<u>54</u>	<u>15</u>	<u>227</u>	<u>25</u>	<u>97</u>	<u>15</u>	<u>249</u>
P 7 <u>30</u>	<u>54</u>	<u>18</u>	<u>374</u>	<u>30</u>	<u>97</u>	<u>18</u>	<u>351</u>
P 8 <u>35</u>	<u>54</u>	<u>21</u>	<u>538</u>	<u>35</u>	<u>97</u>	<u>21</u>	<u>481</u>
P 9 <u>40</u>	<u>54</u>	<u>24</u>	<u>657</u>	<u>40</u>	<u>97</u>	<u>24</u>	<u>583</u>
P10 <u>45</u>	<u>54</u>	<u>27</u>	<u>764</u>	<u>45</u>	<u>97</u>	<u>27</u>	<u>668</u>
P11		<u>30</u>	<u>847</u>			<u>30</u>	<u>757</u>
P12		<u>33</u>	<u>917</u>			<u>33</u>	<u>815</u>
P13		<u>36</u>	<u>979</u>			<u>36</u>	<u>872</u>
P14		<u>39</u>	<u>1038</u>			<u>39</u>	<u>923</u>
P15		<u>42</u>	<u>1091</u>			<u>42</u>	<u>970</u>
P16		<u>45</u>	<u>1134</u>			<u>45</u>	<u>1015</u>
P17		<u>48</u>	<u>1166</u>			<u>48</u>	<u>1048</u>
P18		<u>51</u>	<u>1183</u>			<u>51</u>	<u>1072</u>
P19							
P20							

4332

PK# 5328
D.

