

Company K.B.W. Oil & Gas Company Lease & Well No. Glenn Sternberger #1
Elevation ---- Formation Elgin Effective Pay - Ft. Ticket No. 10501
Date 4/24/81 Sec. 34 Twp. 34S Range 13W County Barber State Kansas
Test Approved by Gordon W. Keen Western Representative Les Holtz

Formation Test No. 1 Interval Tested from 3653 ft. to 3683 ft. Total Depth 3683 ft.

Packer Depth 3645 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 3653 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3679 ft. Recorder Number 1051 Cap. 4250

Bottom Recorder Depth (Outside) 3672 ft. Recorder Number 13267 Cap. 4050

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

Drilling Contractor Sweetman Drlg. Inc. Drill Collar Length 280 I. D. 2.26 in.

Mud Type starch Viscosity 44 Weight Pipe Length - I. D. - in.

Weight 9.2 Water Loss 56 cc. Drill Pipe Length 3342 I. D. 3.8 in.

Chlorides ----- P.P.M. Test Tool Length 31 ft. Tool Size 5 1/2 in.

Jars: Make WTC Serial Number 419 Anchor Length 30 ft. Size 5 1/2 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 1/2 XH in.

Blow: Weak to strong blow throughout test.

Recovered 570 ft. of slightly gas cut mud cut water Chlorides 35,000 ppm

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 7:30 ~~AM~~ P.M. Time Started Off Bottom 10:30 ~~AM~~ P.M. Maximum Temperature 113°

Initial Hydrostatic Pressure (A) 1857 P.S.I.

Initial Flow Period Minutes 30 (B) 183 P.S.I. to (C) 172 P.S.I.

Initial Closed In Period Minutes 27 (D) 595 P.S.I.

Final Flow Period Minutes 60 (E) 256 P.S.I. to (F) 275 P.S.I.

Final Closed In Period Minutes 60 (G) 604 P.S.I.

Final Hydrostatic Pressure (H) 1792 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 4/24/81 Recorder No. 1051 Capacity 4250 Test Ticket No. 10501 Location 3679 Ft.
 Clock No. - Elevation - Well Temperature 113 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1857</u> P.S.I.	Open Tool	<u>7:30P</u> M	
B First Initial Flow Pressure	<u>183</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>172</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>595</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>256</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>275</u> P.S.I.			
G Final Closed-in Pressure	<u>604</u> P.S.I.			
H Final Hydrostatic Mud	<u>1792</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>12</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>183</u>	<u>0</u>	<u>172</u>	<u>0</u>	<u>256</u>	<u>0</u>	<u>275</u>
P 2 <u>5</u>	<u>133</u>	<u>3</u>	<u>379</u>	<u>5</u>	<u>241</u>	<u>3</u>	<u>415</u>
P 3 <u>10</u>	<u>141</u>	<u>6</u>	<u>461</u>	<u>10</u>	<u>240</u>	<u>6</u>	<u>461</u>
P 4 <u>15</u>	<u>148</u>	<u>9</u>	<u>506</u>	<u>15</u>	<u>242</u>	<u>9</u>	<u>491</u>
P 5 <u>20</u>	<u>154</u>	<u>12</u>	<u>534</u>	<u>20</u>	<u>245</u>	<u>12</u>	<u>515</u>
P 6 <u>25</u>	<u>159</u>	<u>15</u>	<u>553</u>	<u>25</u>	<u>250</u>	<u>15</u>	<u>529</u>
P 7 <u>30</u>	<u>172</u>	<u>18</u>	<u>566</u>	<u>30</u>	<u>256</u>	<u>18</u>	<u>542</u>
P 8		<u>21</u>	<u>576</u>	<u>35</u>	<u>260</u>	<u>21</u>	<u>551</u>
P 9		<u>24</u>	<u>587</u>	<u>40</u>	<u>265</u>	<u>24</u>	<u>557</u>
P10		<u>27</u>	<u>595</u>	<u>45</u>	<u>272</u>	<u>27</u>	<u>566</u>
P11				<u>50</u>	<u>273</u>	<u>30</u>	<u>571</u>
P12				<u>55</u>	<u>274</u>	<u>33</u>	<u>575</u>
P13				<u>60</u>	<u>275</u>	<u>36</u>	<u>579</u>
P14						<u>39</u>	<u>584</u>
P15						<u>42</u>	<u>588</u>
P16						<u>45</u>	<u>591</u>
P17						<u>48</u>	<u>595</u>
P18						<u>51</u>	<u>598</u>
P19						<u>54</u>	<u>600</u>
P20						<u>57</u>	<u>602</u>
						<u>60</u>	<u>604</u>

1. TKT # 10501
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10501
DST #1

