

Company Bessie Kruckenberg Lease & Well No. Roseler #1
 Elevation - Formation Lansing Effective Pay - Ft. Ticket No. 7340
 Date 9-14-80 Sec. 1 Twp. 18S Range 11W County Barton State Kansas
 Test Approved by Jim Musgrove Western Representative Gene Eberhart

Formation Test No. 1 Interval Tested from 2996 ft. to 3050 ft. Total Depth 3050 ft.
 Packer Depth 2991 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Packer Depth 2996 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3011 ft. Recorder Number 1558 Cap. 4200
 Bottom Recorder Depth (Outside) 3014 ft. Recorder Number 10265 Cap. 4675
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Red Tiger Drilling Rig #4 Drill Collar Length - I. D. - in.
 Mud Type N/A Viscosity 44 Weight Pipe Length - I. D. - in.
 Weight 10.0 Water Loss 7.0 cc. Drill Pipe Length 2974 I. D. 3.8 in.
 Chlorides 92,000 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 OD in.
 Jars: Make - Serial Number - Anchor Length 54 ft. Size 5 1/2 OD 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: Increased to strong blow in first 8 minutes of initial flow period. Strong blow during final flow period.

Recovered 1020 ft. of muddy water
 Recovered - ft. of -
 Recovered - ft. of -
 Recovered - ft. of -
 Recovered - ft. of -

Remarks: Read outside recorder.

Time Set Packer(s) 12:46 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 2:50 ~~P.M.~~ ^{A.M.} Maximum Temperature 104
 Initial Hydrostatic Pressure (A) 1648 P.S.I.
 Initial Flow Period Minutes 30 (B) 89 P.S.I. to (C) 262 P.S.I.
 Initial Closed In Period Minutes 30 (D) 1048 P.S.I.
 Final Flow Period Minutes 30 (E) 315 P.S.I. to (F) 433 P.S.I.
 Final Closed In Period Minutes 30 (G) 1041 P.S.I.
 Final Hydrostatic Pressure (H) 1611 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 9-14-80 Test Ticket No. 7340
 Recorder No. 10265 Capacity 4675 Location 3014 Fr.
 Clock No. ----- Elevation ----- Well Temperature 104 °F

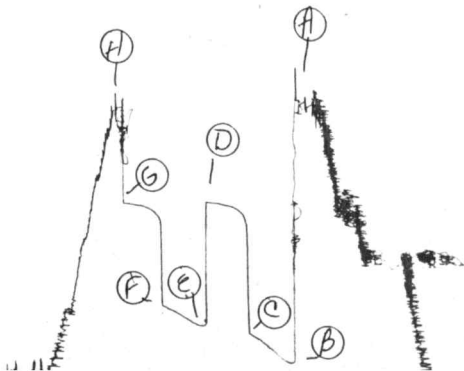
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1648</u> P.S.I.	Open Tool	<u>10:40</u> A M	
B First Initial Flow Pressure	<u>89</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>262</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1048</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>315</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>433</u> P.S.I.			
G Final Closed-in Pressure	<u>1041</u> P.S.I.			
H Final Hydrostatic Mud	<u>1611</u> P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In			
	Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.			
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>89</u>	<u>0</u>	<u>262</u>	<u>0</u>	<u>315</u>	<u>0</u>	<u>960</u>
P 2 <u>5</u>	<u>101</u>	<u>3</u>	<u>925</u>	<u>5</u>	<u>317</u>	<u>3</u>	<u>993</u>
P 3 <u>10</u>	<u>126</u>	<u>6</u>	<u>983</u>	<u>10</u>	<u>338</u>	<u>6</u>	<u>1009</u>
P 4 <u>15</u>	<u>165</u>	<u>9</u>	<u>1004</u>	<u>15</u>	<u>366</u>	<u>9</u>	<u>1018</u>
P 5 <u>20</u>	<u>195</u>	<u>12</u>	<u>1020</u>	<u>20</u>	<u>389</u>	<u>12</u>	<u>1027</u>
P 6 <u>25</u>	<u>230</u>	<u>15</u>	<u>1027</u>	<u>25</u>	<u>410</u>	<u>15</u>	<u>1032</u>
P 7 <u>30</u>	<u>262</u>	<u>18</u>	<u>1034</u>	<u>30</u>	<u>433</u>	<u>18</u>	<u>1035</u>
P 8 _____		<u>21</u>	<u>1041</u>			<u>21</u>	<u>1037</u>
P 9 _____		<u>24</u>	<u>1043</u>			<u>24</u>	<u>1038</u>
P10 _____		<u>27</u>	<u>1046</u>			<u>27</u>	<u>1040</u>
P11 _____		<u>30</u>	<u>1048</u>			<u>30</u>	<u>1041</u>
P12 _____							
P13 _____							
P14 _____							
P15 _____							
P16 _____							
P17 _____							
P18 _____							
P19 _____							
P20 _____							

SR # 7340

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