

Company Wiley Ash, Jr. Lease & Well No. Becker #2
Elevation - Formation Kansas City Effective Pay - Ft. Ticket No. 4943
Date 5-21-80 Sec. 2 Twp. 31S Range 3W County Sumner State Kansas
Test Approved by W. Webb (Day Driller) Western Representative John Lee
Formation Test No. 1 Interval Tested from 3304 ft. to 3325 ft. Total Depth 3325 ft.
Packer Depth 3304 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 3299 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3318 ft. Recorder Number 10980 Cap. 4200
Bottom Recorder Depth (Outside) 3321 ft. Recorder Number 1561 Cap. 3200
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Aspen Drilling (#3) Drill Collar Length 320 I. D. 2 1/4 in.
Mud Type Starch Viscosity 44 Weight Pipe Length - I. D. - in.
Weight 9.9 Water Loss 40.8 cc. Drill Pipe Length 2967 I. D. 3.8 in.
Chlorides 87000 P.P.M. Test Tool Length 41 ft. Tool Size 4 1/2 in.
Jars: Make - Serial Number - Anchor Length 21 ft. Size 4 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 IF in.

Blow: A strong blow throughout test. Gas to surface in 40 minutes of initial flow period.
Gas was not measureable.

Recovered 1105 ft. of free gas and oil.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 2:25 ~~A.M.~~ P.M. Time Started Off Bottom 6:55 ~~A.M.~~ P.M. Maximum Temperature 115
Initial Hydrostatic Pressure (A) 1809 P.S.I.
Initial Flow Period Minutes 60 (B) 118 P.S.I. to (C) 214 P.S.I.
Initial Closed In Period Minutes 27 (D) 591 P.S.I.
Final Flow Period Minutes 115 (E) 231 P.S.I. to (F) 335 P.S.I.
Final Closed In Period Minutes 75 (G) 602 P.S.I.
Final Hydrostatic Pressure (H) 1786 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 5-21-80 Test Ticket No. 4943
 Recorder No. 10980 Capacity 4200 Location 3318 Ft.
 Clock No. ---- Elevation ----- Well Temperature 115 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud <u>1809</u> P.S.I.	Open Tool	<u>2:25</u> A. M.	
B First Initial Flow Pressure <u>118</u> P.S.I.	First Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
C First Final Flow Pressure <u>214</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure <u>591</u> P.S.I.	Second Flow Pressure	<u>120</u> Mins.	<u>115</u> Mins.
E Second Initial Flow Pressure <u>231</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>75</u> Mins.
F Second Final Flow Pressure <u>335</u> P.S.I.			
G Final Closed-in Pressure <u>602</u> P.S.I.			
H Final Hydrostatic Mud <u>1786</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>12</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>23</u> Inc.		Breakdown: <u>25</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>118</u>	<u>0</u>	<u>214</u>	<u>0</u>	<u>231</u>	<u>0</u>	<u>335</u>
P 2 <u>5</u>	<u>110</u>	<u>3</u>	<u>496</u>	<u>5</u>	<u>224</u>	<u>3</u>	<u>540</u>
P 3 <u>10</u>	<u>112</u>	<u>6</u>	<u>538</u>	<u>10</u>	<u>229</u>	<u>6</u>	<u>561</u>
P 4 <u>15</u>	<u>124</u>	<u>9</u>	<u>557</u>	<u>15</u>	<u>235</u>	<u>9</u>	<u>570</u>
P 5 <u>20</u>	<u>137</u>	<u>12</u>	<u>566</u>	<u>20</u>	<u>242</u>	<u>12</u>	<u>578</u>
P 6 <u>25</u>	<u>150</u>	<u>15</u>	<u>574</u>	<u>25</u>	<u>249</u>	<u>15</u>	<u>581</u>
P 7 <u>30</u>	<u>162</u>	<u>18</u>	<u>579</u>	<u>30</u>	<u>256</u>	<u>18</u>	<u>585</u>
P 8 <u>35</u>	<u>174</u>	<u>21</u>	<u>583</u>	<u>35</u>	<u>263</u>	<u>21</u>	<u>587</u>
P 9 <u>40</u>	<u>182</u>	<u>24</u>	<u>587</u>	<u>40</u>	<u>270</u>	<u>24</u>	<u>588</u>
P10 <u>45</u>	<u>192</u>	<u>27</u>	<u>591</u>	<u>45</u>	<u>276</u>	<u>27</u>	<u>590</u>
P11 <u>50</u>	<u>200</u>			<u>50</u>	<u>280</u>	<u>30</u>	<u>591</u>
P12 <u>55</u>	<u>207</u>			<u>55</u>	<u>284</u>	<u>33</u>	<u>593</u>
P13 <u>60</u>	<u>214</u>			<u>60</u>	<u>288</u>	<u>36</u>	<u>595</u>
P14				<u>65</u>	<u>294</u>	<u>39</u>	<u>596</u>
P15				<u>70</u>	<u>300</u>	<u>42</u>	<u>597</u>
P16				<u>75</u>	<u>305</u>	<u>45</u>	<u>598</u>
P17				<u>80</u>	<u>311</u>	<u>48</u>	<u>598</u>
P18				<u>85</u>	<u>316</u>	<u>51</u>	<u>599</u>
P19				<u>90</u>	<u>321</u>	<u>54</u>	<u>599</u>
P20				<u>95</u>	<u>325</u>	<u>57</u>	<u>600</u>
				<u>100</u>	<u>328</u>	<u>60</u>	<u>600</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 5-21-80

Test Ticket No. 4943

Recorder No. 10980

Capacity 4200

Location 3318 Ft.

Clock No. ---- Elevation -----

Well Temperature 115 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1809</u> P.S.I.	Open Tool	<u>2:25</u> A. M.	
B First Initial Flow Pressure	<u>118</u> P.S.I.	First Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
C First Final Flow Pressure	<u>214</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>591</u> P.S.I.	Second Flow Pressure	<u>120</u> Mins.	<u>115</u> Mins.
E Second Initial Flow Pressure	<u>231</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>75</u> Mins.
F Second Final Flow Pressure	<u>335</u> P.S.I.			
G Final Closed-in Pressure	<u>602</u> P.S.I.			
H Final Hydrostatic Mud	<u>1786</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 9 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 23 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 25 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1				<u>105</u>	<u>331</u>	<u>63</u>	<u>600</u>
P 2				<u>110</u>	<u>333</u>	<u>66</u>	<u>601</u>
P 3				<u>115</u>	<u>335</u>	<u>69</u>	<u>601</u>
P 4						<u>72</u>	<u>602</u>
P 5						<u>75</u>	<u>602</u>
P 6							
P 7							
P 8							
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

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