



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No. 6070

P. O. BOX 1599 WICHITA, KANSAS 67201

Elevation 1065 GL EST Formation Mississippi Eff. Pay - Ft.

OK. District Augusta Date 8-13-80 Customer Order No.
COMPANY NAME Brunson & Spines
ADDRESS 525 South Financial Center Wichita, Ks
LEASE AND WELL NO. Jantra #2 COUNTY Elk STATE Ks Sec. 11 Twp. 30S Rge. 12E
Mail Invoice To Same Jantra #2 No. Copies Requested 1
Mail Charts To Same Address No. Copies Requested 5

Formation Test No. 1 Interval Tested from 1682 ft. to 1700 ft. Total Depth 1700 ft.
Packer Depth 1682 ft. Size 5 1/2 in. Packer Depth - ft. Size - in.
Packer Depth 1677 ft. Size 5 1/2 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set

Top Recorder Depth (Inside) 1693 ft. Recorder Number 3354 Cap. 4200
Bottom Recorder Depth (Outside) 1696 ft. Recorder Number 1560 Cap. 4500
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Alco Dry #6 Drill Collar Length 120 I. D. 2 in.
Mud Type Chem Viscosity 45 Weight Pipe Length - I. D. - in.
Weight - Water Loss - cc. Drill Pipe Length 1542 I. D. 2.7 in.
Chlorides - P.P.M. Test Tool Length 38 ft. Tool Size 4200 in.
Jars: Make - Serial Number - Anchor Length 18 ft. Size 4200 in.
Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 6 1/4 in. Tool Joint Size 3 1/2 IF in.

Blow: Pan thrust test

Recovered 90 ft. of Drilling mud
Recovered 270 ft. of Salt water (circ cut) .1 Resistivity @ 84
Recovered ft. of
Recovered ft. of
Recovered ft. of

Remarks: On location 8:00 AM 8-13-80 Pick up tool 9:00 AM Job complete @ 4:30 8-13-80

Table with 4 columns: Time Set, Packer(s), AM/PM, Time Started Off Bottom, AM/PM, Maximum Temperature. Rows include Initial Hydrostatic Pressure, Initial Flow Period, Initial Closed In Period, Final Flow Period, Final Closed In Period, Final Hydrostatic Pressure.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By: [Signature] Signature of Customer or his authorized representative

Western Representative Norman All Allen Edgington

FIELD INVOICE

Table with 2 columns: Item, Amount. Items include Open Hole Test (\$550.00), Mileage X 754 (\$54.00), TOTAL (\$604.00).

WESTERN TESTING CO., INC.

Pressure Data

Date 8-13-80 Test Ticket No. 6070
 Recorder No. 3354 Capacity 4200 Location 1693 Ft.
 Clock No. _____ Elevation 1065 Ground Level Well Temperature 102 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>801</u>	P.S.I.	<u>10:30P</u>	M _____
B First Initial Flow Pressure	<u>80</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>103</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>544</u>	P.S.I.	<u>90</u> Mins.	<u>90</u> Mins.
E Second Initial Flow Pressure	<u>116</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>183</u>	P.S.I.		
G Final Closed-in Pressure	<u>540</u>	P.S.I.		
H Final Hydrostatic Mud	<u>801</u>	P.S.I.		

PRESSURE BREAKDOWN

<p>First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.</p>	<p>Initial Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.</p>	<p>Second Flow Pressure Breakdown: <u>18</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.</p>	<p>Final Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.</p>
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>80</u>	0	<u>103</u>	0	<u>116</u>	0	<u>183</u>
P 2 5	<u>80</u>	3	<u>354</u>	5	<u>116</u>	3	<u>367</u>
P 3 10	<u>86</u>	6	<u>472</u>	10	<u>120</u>	6	<u>468</u>
P 4 15	<u>90</u>	9	<u>508</u>	15	<u>126</u>	9	<u>491</u>
P 5 20	<u>97</u>	12	<u>521</u>	20	<u>130</u>	12	<u>502</u>
P 6 25	<u>103</u>	15	<u>529</u>	25	<u>135</u>	15	<u>512</u>
P 7 30	<u>103</u>	18	<u>537</u>	30	<u>139</u>	18	<u>516</u>
P 8 35		21	<u>538</u>	35	<u>143</u>	21	<u>523</u>
P 9 40		24	<u>540</u>	40	<u>147</u>	24	<u>525</u>
P10 45		27	<u>542</u>	45	<u>151</u>	27	<u>528</u>
P11 50		30	<u>544</u>	50	<u>154</u>	30	<u>531</u>
P12 55		33		55	<u>158</u>	33	<u>533</u>
P13 60		36		60	<u>162</u>	36	<u>534</u>
P14		39		65	<u>167</u>	39	<u>535</u>
P15		42		70	<u>171</u>	42	<u>536</u>
P16		45		75	<u>175</u>	45	<u>537</u>
P17		48		80	<u>178</u>	48	<u>538</u>
P18		51		85	<u>181</u>	51	<u>538</u>
P19		54		90	<u>183</u>	54	<u>539</u>
P20		57				57	<u>539</u>
		60				60	<u>540</u>

Brunson-Spines

Jantra #2

Company _____ Lease & Well No. _____
Elevation 1065 Ground Level Formation Mississippi Effective Pay ----- Ft. Ticket No. 6070
Date 8/13/80 Sec. 11 Twp. 30S Range 12E County Elk State Kansas

Test Approved by T. Wright Western Representative Norman Allen-Allen Edgington

Formation Test No. 1 Interval Tested from 1682 ft. to 1700 ft. Total Depth 1700 ft.

Packer Depth 1682 ft. Size 5 1/2 in. Packer Depth - ft. Size - in.

Packer Depth 1677 ft. Size 5 1/2 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 1693 ft. Recorder Number 3354 Cap. 4200

Bottom Recorder Depth (Outside) 1696 ft. Recorder Number 1560 Cap. 4500

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

Drilling Contractor Alco Drlg. Rig #6 Drill Collar Length 120 I. D. 2 in.

Mud Type chemical Viscosity 45 Weight Pipe Length - I. D. - in.

Weight - Water Loss - cc. Drill Pipe Length 1542 I. D. 2.7 in.

Chlorides - P.P.M. Test Tool Length 38 ft. Tool Size 4 1/2 OD in.

Jars: Make - Serial Number - Anchor Length 18 ft. Size 4 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 6 1/4 in. Tool Joint Size 3 1/2 IF in.

Blow: Fair throughout test.

Recovered 90 ft. of drilling mud

Recovered 270 ft. of salt water (Gas cut) .1 Resistivity @ 84° F

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

Time Set Packer(s) 10:30 ~~AM~~ P.M. Time Started Off Bottom 2:00 ~~AM~~ P.M. Maximum Temperature 102°

Initial Hydrostatic Pressure (A) 801 P.S.I.

Initial Flow Period Minutes 30 (B) 80 P.S.I. to (C) 103 P.S.I.

Initial Closed In Period Minutes 30 (D) 544 P.S.I.

Final Flow Period Minutes 90 (E) 116 P.S.I. to (F) 183 P.S.I.

Final Closed In Period Minutes 60 (G) 540 P.S.I.

Final Hydrostatic Pressure (H) 801 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 8/13/80 Test Ticket No. 6070
 Recorder No. 3354 Capacity 4200 Location 1693 Ft.
 Clock No. ----- Elevation 1065 Ground Level Well Temperature 102 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>801</u> P.S.I.	Open Tool	<u>10:30P</u> M	
B First Initial Flow Pressure	<u>80</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>103</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>544</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>90</u> Mins.
E Second Initial Flow Pressure	<u>116</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>183</u> P.S.I.			
G Final Closed-in Pressure	<u>540</u> P.S.I.			
H Final Hydrostatic Mud	<u>801</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>10</u> Inc.		Breakdown: <u>18</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>80</u>	<u>0</u>	<u>103</u>	<u>0</u>	<u>116</u>	<u>0</u>	<u>183</u>
P 2 <u>5</u>	<u>80</u>	<u>3</u>	<u>354</u>	<u>5</u>	<u>116</u>	<u>3</u>	<u>367</u>
P 3 <u>10</u>	<u>86</u>	<u>6</u>	<u>472</u>	<u>10</u>	<u>120</u>	<u>6</u>	<u>468</u>
P 4 <u>15</u>	<u>90</u>	<u>9</u>	<u>508</u>	<u>15</u>	<u>126</u>	<u>9</u>	<u>491</u>
P 5 <u>20</u>	<u>97</u>	<u>12</u>	<u>521</u>	<u>20</u>	<u>130</u>	<u>12</u>	<u>502</u>
P 6 <u>25</u>	<u>103</u>	<u>15</u>	<u>529</u>	<u>25</u>	<u>135</u>	<u>15</u>	<u>512</u>
P 7 <u>30</u>	<u>103</u>	<u>18</u>	<u>537</u>	<u>30</u>	<u>139</u>	<u>18</u>	<u>516</u>
P 8 _____	_____	<u>21</u>	<u>538</u>	<u>35</u>	<u>143</u>	<u>21</u>	<u>523</u>
P 9 _____	_____	<u>24</u>	<u>540</u>	<u>40</u>	<u>147</u>	<u>24</u>	<u>525</u>
P10 _____	_____	<u>27</u>	<u>542</u>	<u>45</u>	<u>151</u>	<u>27</u>	<u>528</u>
P11 _____	_____	<u>30</u>	<u>544</u>	<u>50</u>	<u>154</u>	<u>30</u>	<u>531</u>
P12 _____	_____	_____	_____	<u>55</u>	<u>158</u>	<u>33</u>	<u>533</u>
P13 _____	_____	_____	_____	<u>60</u>	<u>162</u>	<u>36</u>	<u>534</u>
P14 _____	_____	_____	_____	<u>65</u>	<u>167</u>	<u>39</u>	<u>535</u>
P15 _____	_____	_____	_____	<u>70</u>	<u>171</u>	<u>42</u>	<u>536</u>
P16 _____	_____	_____	_____	<u>75</u>	<u>175</u>	<u>45</u>	<u>537</u>
P17 _____	_____	_____	_____	<u>80</u>	<u>178</u>	<u>48</u>	<u>538</u>
P18 _____	_____	_____	_____	<u>85</u>	<u>181</u>	<u>51</u>	<u>538</u>
P19 _____	_____	_____	_____	<u>90</u>	<u>183</u>	<u>54</u>	<u>539</u>
P20 _____	_____	_____	_____	_____	_____	<u>57</u>	<u>539</u>
						<u>60</u>	<u>540</u>

SKT #6070

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