



Home Office: Wichita, Kansas 67201

P.O. Box 1599

(316) 262-5861

Company A. L. Abercrombie, Inc. Lease & Well No. Hunter #1
Elevation 1446 Kelly Bushing Mississippi Effective Pay - Ft. Ticket No. 6767
Date 4/14/81 Sec 2 Twp 32S Range 7W County Harper State Kansas
Test Approved by Raul T. Brite Western Representative Allen Edgington
Formation Test No. 1 Interval Tested from 4382 ft. to 4398 ft. Total Depth 4398 ft.
Packer Depth 4377 ft. Size 6 3/4 Packer Depth - ft. Size - in.
Packer Depth 4382 ft. Size 6 3/4 Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 4390 ft. Recorder Number 3354 Cap. 4200
Bottom Recorder Depth (Outside) 4393 ft. Recorder Number 5666 Cap. 3950
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Abercrombie Drilling Rig #1 Drill Collar Length 120 I. D. 2 3/4 in.
Mud Type premix-monop Viscosity 48 Weight Pipe Length 603 I. D. 2 3/4 in.
Weight 9.5 Water Loss - cc. Drill Pipe Length 3660 I. D. 3.8 in.
Chlorides = P.P.M. Test Tool Length 20 ft. Tool Size 4 1/2 in.
Jars: Make - Serial Number - Anchor Length 16 ft. Size 4 1/2 in.
Did Well Flow? Yes 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 in.

Blow: Strong. Gas to surface in forty-five minutes. See attached sheet for gas measurements.

Recovered 120 ft. of slightly oil cut gas cut mud 5% oil
Recovered 120 ft. of heavy oil and gas cut mud 45% oil
Recovered 60 ft. of water Chlorides 87,000 ppm

Recovered - ft. of -
Recovered - ft. of -

Remarks: -

Read Outside Chart

Time Set Packer(s) 11:45 A.M. Time Started Off Bottom 2:45 A.M. Maximum Temperature 135°
Initial Hydrostatic Pressure (A) 2183 PSI.
Initial Flow Period Minutes 30 (B) 65 PSI. to (C) 82 PSI.
Initial Closed In Period Minutes 45 (D) 1490 PSI.
Final Flow Period Minutes 60 (E) 108 PSI. to (F) 141 PSI.
Final Closed In Period Minutes 45 (G) 1363 PSI.
Final Hydrostatic Pressure (H) 2163 PSI.



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GAS FLOW REPORT

Date 4/14/81 Ticket 6767 Company A. L. Abercrombie, Inc.
Well Name and No. Hunter #1 Dst No. 1 Interval Tested 4382'-4398'
County Harper State Kansas Sec. 2 Twp. 32S Rg. 7W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitor Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
PRE FLOW						

SECOND FLOW						
	45 min.					GAS TO SURFACE
	55 min.	5" of water	1/4" orifice			3,710 CFPD
	65 min.	17" of water	1/4" orifice			5,930 CFPD
	75 min.	20" of water	1/4" orifice			7,510 CFPD
	85 min.	17" of water	1/4" orifice			6,930 CFPD

GAS BOTTLE

Serial No. -- Date Bottle Filled ---- Date to be Invoiced 4/14/81

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1 1/2% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME A. L. Abercrombie, Inc.

Authorized by Raul L. Brite

WESTERN TESTING CO., INC.

Pressure Data

Date 4/14/81 Recorder No. 5666 Capacity 3950 Test Ticket No. 6767
 Location 4393 Ft. 135 °F
 Clock No. - Elevation 1446 Kelly Bushing Well Temperature 135 °F

Point	Pressure		Time Given	Time Computed
A. Initial Hydrostatic Mud	2183	P.S.I.	11:45A	
B. First Initial Flow Pressure	65	P.S.I.	30	30
C. First Final Flow Pressure	82	P.S.I.	45	45
D. Initial Closed-in Pressure	1490	P.S.I.	60	60
E. Second Initial Flow Pressure	108	P.S.I.	45	45
F. Second Final Flow Pressure	141	P.S.I.		
G. Final Closed-in Pressure	1363	P.S.I.		
H. Final Hydrostatic Mud	2163	P.S.I.		

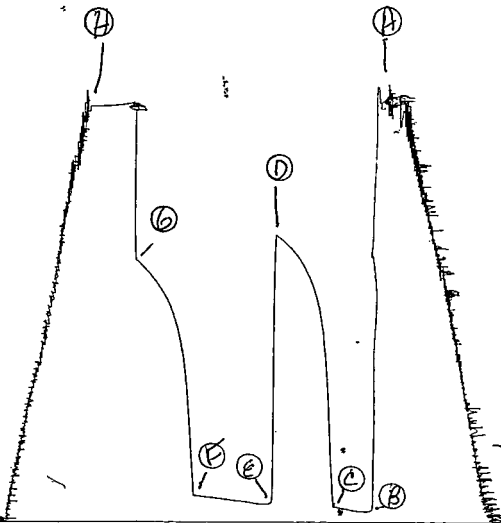
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>12</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>65</u>	<u>0</u>	<u>82</u>	<u>0</u>	<u>108</u>	<u>0</u>	<u>141</u>
P 2 <u>5</u>	<u>57</u>	<u>3</u>	<u>408</u>	<u>5</u>	<u>98</u>	<u>3</u>	<u>439</u>
P 3 <u>10</u>	<u>57</u>	<u>6</u>	<u>839</u>	<u>10</u>	<u>98</u>	<u>6</u>	<u>705</u>
P 4 <u>15</u>	<u>65</u>	<u>9</u>	<u>1054</u>	<u>15</u>	<u>103</u>	<u>9</u>	<u>873</u>
P 5 <u>20</u>	<u>71</u>	<u>12</u>	<u>1149</u>	<u>20</u>	<u>110</u>	<u>12</u>	<u>960</u>
P 6 <u>25</u>	<u>80</u>	<u>15</u>	<u>1215</u>	<u>25</u>	<u>114</u>	<u>15</u>	<u>1046</u>
P 7 <u>30</u>	<u>82</u>	<u>18</u>	<u>1269</u>	<u>30</u>	<u>116</u>	<u>18</u>	<u>1108</u>
P 8		<u>21</u>	<u>1311</u>	<u>35</u>	<u>122</u>	<u>21</u>	<u>1157</u>
P 9		<u>24</u>	<u>1349</u>	<u>40</u>	<u>127</u>	<u>24</u>	<u>1191</u>
P10		<u>27</u>	<u>1380</u>	<u>45</u>	<u>131</u>	<u>27</u>	<u>1223</u>
P11		<u>30</u>	<u>1406</u>	<u>50</u>	<u>136</u>	<u>30</u>	<u>1257</u>
P12		<u>33</u>	<u>1428</u>	<u>55</u>	<u>139</u>	<u>33</u>	<u>1281</u>
P13		<u>36</u>	<u>1448</u>	<u>60</u>	<u>141</u>	<u>36</u>	<u>1307</u>
P14		<u>39</u>	<u>1466</u>			<u>39</u>	<u>1329</u>
P15		<u>42</u>	<u>1484</u>			<u>42</u>	<u>1349</u>
P16		<u>45</u>	<u>1490</u>			<u>45</u>	<u>1363</u>
P17							
P18							
P19							
P20							

TKT # 6767



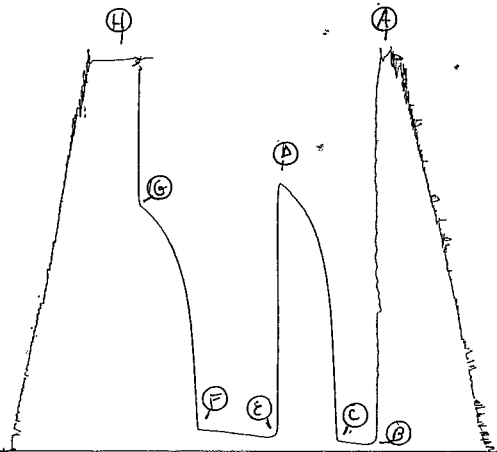
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P.O. Box 1599 (316) 262-5861

Company A. L. Abercrombie, Inc. Lease & Well No. Hunter #1
Elevation 1446 Kelly Bushing Formation Simpson Effective Pay - Ft. Ticket No. 6768
Date 4/16/81 Sec. 2 Twp. 32S Range 7W County Harper State Kansas
Test Approved by R L Brito Western Representative Allen Edgington
Formation Test No. 2 Interval Tested from 4643 ft. to 4770 ft. Total Depth 4770 ft.
Packer Depth 4638 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 4643 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) AP 4628 ft. Recorder Number 3354 Cap. 4200
Bottom Recorder Depth (Outside) AP 4631 ft. Recorder Number 5666 Cap. 3950
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Abercrombie Drilling Rig #11 Drill Collar Length 30 I. D. 2 1/2 in.
Mud Type Monpac Viscosity 43 Weight Pipe Length 603 I. D. 2 1/2 in.
Weight 9.5 Water Loss 10.2 cc. Drill Pipe Length 3920 I. D. 3.8 in.
Chlorides 8,000 P.P.M. Test Tool Length 35 ft. Tool Size 4 1/2 OD in.
Jars: Make WTC Serial Number 407 Anchor Length 127 ft. Size 4 1/2 OD in.
Did Well Flow? No Reversed Out Yes 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: Strong blow throughout test

Recovered 1530 ft. of salt water Chlorides 52,000 PPM

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 12:15 A.M. Time Started Off Bottom 2:45 A.M. Maximum Temperature 151
Initial Hydrostatic Pressure 2263 P.S.I.
Initial Flow Period 30 Minutes (B) 87 P.S.I. to (C) 462 P.S.I.
Initial Closed In Period 45 Minutes (D) 1695 P.S.I.
Final Flow Period 30 Minutes (E) 553 P.S.I. to (F) 732 P.S.I.
Final Closed In Period 45 Minutes (G) 1695 P.S.I.
Final Hydrostatic Pressure 2242 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 4/16/81 Test Ticket No. 6768
 Recorder No. 3354 Capacity 4200 Location 4628 Ft.
 Clock No. - Elevation 1446 Kelly Bushing Well Temperature 151 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2263	P.S.I.	12:15A	M
B First Initial Flow Pressure	87	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	462	P.S.I.	45	Mins. 45 Mins.
D Initial Closed-in Pressure	1695	P.S.I.	30	Mins. 30 Mins.
E Second Initial Flow Pressure	553	P.S.I.	45	Mins. 45 Mins.
F Second Final Flow Pressure	732	P.S.I.		
G Final Closed-in Pressure	1695	P.S.I.		
H Final Hydrostatic Mud	2242	P.S.I.		

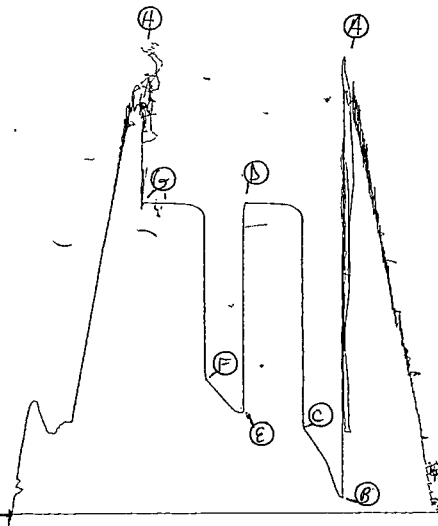
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>6</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>87</u>	<u>0</u>	<u>462</u>	<u>0</u>	<u>553</u>	<u>0</u>	<u>732</u>
P 2 <u>5</u>	<u>141</u>	<u>3</u>	<u>1384</u>	<u>5</u>	<u>553</u>	<u>3</u>	<u>1517</u>
P 3 <u>10</u>	<u>245</u>	<u>6</u>	<u>1657</u>	<u>10</u>	<u>582</u>	<u>6</u>	<u>1663</u>
P 4 <u>15</u>	<u>312</u>	<u>9</u>	<u>1674</u>	<u>15</u>	<u>620</u>	<u>9</u>	<u>1676</u>
P 5 <u>20</u>	<u>367</u>	<u>12</u>	<u>1684</u>	<u>20</u>	<u>662</u>	<u>12</u>	<u>1684</u>
P 6 <u>25</u>	<u>422</u>	<u>15</u>	<u>1686</u>	<u>25</u>	<u>703</u>	<u>15</u>	<u>1689</u>
P 7 <u>30</u>	<u>462</u>	<u>18</u>	<u>1688</u>	<u>30</u>	<u>732</u>	<u>18</u>	<u>1691</u>
P 8		<u>21</u>	<u>1689</u>			<u>21</u>	<u>1691</u>
P 9		<u>24</u>	<u>1690</u>			<u>24</u>	<u>1692</u>
P10		<u>27</u>	<u>1691</u>			<u>27</u>	<u>1692</u>
P11		<u>30</u>	<u>1693</u>			<u>30</u>	<u>1693</u>
P12		<u>33</u>	<u>1693</u>			<u>33</u>	<u>1693</u>
P13		<u>36</u>	<u>1694</u>			<u>36</u>	<u>1694</u>
P14		<u>39</u>	<u>1694</u>			<u>39</u>	<u>1694</u>
P15		<u>42</u>	<u>1695</u>			<u>42</u>	<u>1695</u>
P16		<u>45</u>	<u>1695</u>			<u>45</u>	<u>1695</u>
P17							
P18							
P19							
P20							

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