

Company Beren Corporation Lease & Well No. Blackstock #1
 Elevation 1461 Kelly Bushing Formation Cherokee Effective Pay -- Ft. Ticket No. 1953
 Date 11/28/78 Sec. 5 Twp. 35S Range 12W County Barber State Kansas
 Test Approved by Bill Iverson Western Representative Norman Allen
 Formation Test No. 1 Interval Tested from 4749' ft. to 4798' ft. Total Depth 4798' ft.
 Packer Depth 4749 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4744 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set --
 Top Recorder Depth (Inside) 4791 ft. Recorder Number 1561 Cap. 3100
 Bottom Recorder Depth (Outside) 4794 ft. Recorder Number 1562 Cap. 3200
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Union Drilling Co. #1 Drill Collar Length 412 I. D. 2 1/4 in.
 Mud Type drispac Viscosity 55 Weight Pipe Length 245 I. D. 2.7 in.
 Weight 9.2 Water Loss 8.4 cc. Drill Pipe Length 4072 I. D. 3.8 in.
 Chlorides 8,500 P.P.M. Test Tool Length 69 in. Tool Size 4 1/2 OD in.
 Jars: Make -- Serial Number -- Anchor Length 49 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 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: Weak 35 minutes.

Recovered 15 ft. of drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 1:15 A.M. Time Started Off Bottom 4:15 P.M. Maximum Temperature 119
 Initial Hydrostatic Pressure 2251 (A) P.S.I.
 Initial Flow Period 45 Minutes (B) 30 P.S.I. to (C) 18 P.S.I.
 Initial Closed In Period 45 Minutes (D) 29 P.S.I.
 Final Flow Period 45 Minutes (E) 24 P.S.I. to (F) 18 P.S.I.
 Final Closed In Period 45 Minutes (G) 23 P.S.I.
 Final Hydrostatic Pressure 2233 (H) P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

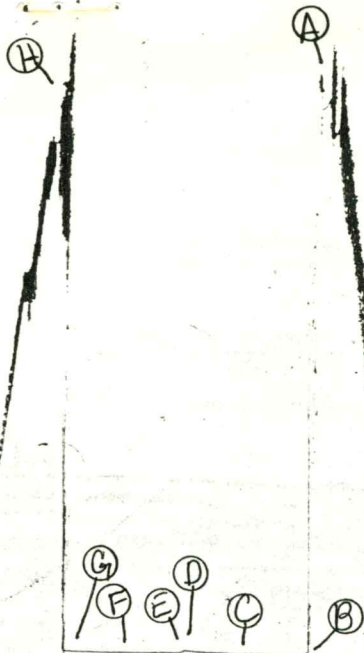
Date 11-28-78 Test Ticket No. 1953
 Recorder No. 1561 Capacity 3100 Location 4791 Ft.
 Clock No. - Elevation 1461 Kelly Bushing Well Temperature 119 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2251</u>	P.S.I.	<u>1:15A.</u>	<u>M</u>
B First Initial Flow Pressure	<u>30</u>	P.S.I.	<u>45</u>	<u>45</u>
C First Final Flow Pressure	<u>18</u>	P.S.I.	<u>45</u>	<u>45</u>
D Initial Closed-in Pressure	<u>29</u>	P.S.I.	<u>45</u>	<u>45</u>
E Second Initial Flow Pressure	<u>24</u>	P.S.I.	<u>45</u>	<u>45</u>
F Second Final Flow Pressure	<u>18</u>	P.S.I.	<u>45</u>	<u>45</u>
G Final Closed-in Pressure	<u>23</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2233</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>9</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>9</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>30</u>	<u>0</u>	<u>18</u>	<u>0</u>	<u>24</u>	<u>0</u>	<u>18</u>
P 2 <u>5</u>	<u>20</u>	<u>3</u>	<u>17</u>	<u>5</u>	<u>19</u>	<u>3</u>	<u>18</u>
P 3 <u>10</u>	<u>19</u>	<u>6</u>	<u>17</u>	<u>10</u>	<u>18</u>	<u>6</u>	<u>18</u>
P 4 <u>15</u>	<u>18</u>	<u>9</u>	<u>19</u>	<u>15</u>	<u>18</u>	<u>9</u>	<u>18</u>
P 5 <u>20</u>	<u>18</u>	<u>12</u>	<u>20</u>	<u>20</u>	<u>18</u>	<u>12</u>	<u>18</u>
P 6 <u>25</u>	<u>18</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>18</u>	<u>15</u>	<u>18</u>
P 7 <u>30</u>	<u>18</u>	<u>18</u>	<u>20</u>	<u>30</u>	<u>18</u>	<u>18</u>	<u>18</u>
P 8 <u>35</u>	<u>18</u>	<u>21</u>	<u>21</u>	<u>35</u>	<u>18</u>	<u>21</u>	<u>18</u>
P 9 <u>40</u>	<u>18</u>	<u>24</u>	<u>22</u>	<u>40</u>	<u>18</u>	<u>24</u>	<u>19</u>
P10 <u>45</u>	<u>18</u>	<u>27</u>	<u>23</u>	<u>45</u>	<u>18</u>	<u>27</u>	<u>19</u>
P11		<u>30</u>	<u>24</u>			<u>30</u>	<u>19</u>
P12		<u>33</u>	<u>24</u>			<u>33</u>	<u>19</u>
P13		<u>36</u>	<u>25</u>			<u>36</u>	<u>20</u>
P14		<u>39</u>	<u>27</u>			<u>39</u>	<u>21</u>
P15		<u>42</u>	<u>28</u>			<u>42</u>	<u>22</u>
P16		<u>45</u>	<u>29</u>			<u>45</u>	<u>23</u>
P17							
P18							
P19							
P20							

TK# 1953
I.



1951

Company Beren Corporation Lease & Well No. Blackstock #1
Elevation 1461 Kelly Bushing Formation Mississippi Effective Pay -- Ft. Ticket No. 1954
Date 11/28/78 Sec. 5 Twp. 35S Range 12W County Barber State Kansas
Test Approved by Bill Iverson Western Representative Norman Allen

Formation Test No. 2 Interval Tested from 4812 ft. to 4840 ft. Total Depth 4840 ft.

Packer Depth 4812 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4807 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 4833 ft. Recorder Number 1561 Cap. 3100

Bottom Recorder Depth (Outside) 4836 ft. Recorder Number 1562 Cap. 3200

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

Drilling Contractor Union Drilling Co. #1 Drill Collar Length 412 I. D. 2 1/4 in.

Mud Type drispac Viscosity 58 Weight Pipe Length 245 I. D. 2.7 in.

Weight 9.2 Water Loss 10.5 cc. Drill Pipe Length 4135 I. D. 3.8 in.

Chlorides 8,000 P.P.M. Test Tool Length 48 in. Tool Size 4 1/2 OD in.

Jars: Make -- Serial Number -- Anchor Length 28 ft. Size 4 1/2 OD in.

Did Well Flow? Gas Reversed Out -- Surface Choke Size 1/2 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: Strong throughout test. Gas to surface 35 minutes. See attached sheet for gas measurements.

Recovered 150 ft. of slightly oil cut mud (10% oil) (Fluid Recovery)

Recovered ft. of

Recovered ft. of

Recovered ft. of PRESSURES RECORDER #1562

Recovered ft. of

Remarks:

Time Set Packer(s) 7:45 ~~A.M.~~ P.M. Time Started Off Bottom 12:45 ~~A.M.~~ P.M. Maximum Temperature 123

Initial Hydrostatic Pressure 2258 P.S.I. (A)

Initial Flow Period 45 Minutes (B) 47 P.S.I. to (C) 44 P.S.I.

Initial Closed In Period 45 Minutes (D) 1660 P.S.I.

Final Flow Period 120 Minutes (E) 64 P.S.I. to (F) 51 P.S.I.

Final Closed In Period 90 Minutes (G) 1678 P.S.I.

Final Hydrostatic Pressure 2249 P.S.I. (H)

Phone 316 262-5861
316 838-0601



P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Date 11/28/78 Ticket 1954 Company Beren Corporation
Well Name and No. Blackstock #1 Dst No. 2 Interval Tested 4812'-4840'
County Barber State Kansas Sec. 5 Twp. 35S Rg. 12W

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

Tool open @ 7:45 PM	Gas to surface	35 minutes	8:20 PM			
40 min.	10" of water 1/2" orifice					19,900 CFPD
\$% MIN.	LL" of water 1/2" orifice					20,900 CFPD

Tool closed in 8:30 to 9:15 PM ICIP **SECOND FLOW**

50 min.	Took sample gas					
60 min.	11" of water 1/2" orifice					20,900 CFPD
70 min.	11" of water 1/2" orifice					20,900 CFPD
90 min.	10" of water 1/2" orifice					19,900 CFPD
105 min.	10" of water 1/2" orifice					19,900 CFPD
120 min.	10" of water 1/2" orifice					19,900 CFPD
135 min.	10" of water 1/2" orifice					19,900 CFPD
150 min.	9" of water 1/2" orifice					18,800 CFPD
165 min.	9" of water 1/2" orifice					18,800 CFPD
	Tool closed in 11:15 to 12:45 AM	FCIP				

GAS BOTTLE

Serial No. -- Date Bottle Filled -- Date to be Invoiced 11/28/78

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% per month, equal to 12% 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 Beren Corporation

Authorized by Bill Iverson

WESTERN TESTING CO., INC.

Pressure Data

Date 11-28-78 Test Ticket No. 1954
 Recorder No. 1562 Capacity 3200 Location 4836 Ft.
 Clock No. - Elevation 1461 Kelly Bushing Well Temperature 123 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2258</u> P.S.I.	Open Tool	<u>7:45P.</u> M	
B First Initial Flow Pressure	<u>47</u> P.S.I.	First Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
C First Final Flow Pressure	<u>44</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>39</u> Mins.
D Initial Closed-in Pressure	<u>1660</u> P.S.I.	Second Flow Pressure	<u>120</u> Mins.	<u>120</u> Mins.
E Second Initial Flow Pressure	<u>64</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>51</u> P.S.I.			
G Final Closed-in Pressure	<u>1678</u> P.S.I.			
H Final Hydrostatic Mud	<u>2249</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>9</u> Inc.		Breakdown: <u>13</u> Inc.		Breakdown: <u>24</u> Inc.		Breakdown: <u>30</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>47</u>	<u>0</u>	<u>44</u>	<u>0</u>	<u>64</u>	<u>0</u>	<u>51</u>
P 2 <u>5</u>	<u>38</u>	<u>3</u>	<u>573</u>	<u>5</u>	<u>47</u>	<u>3</u>	<u>484</u>
P 3 <u>10</u>	<u>38</u>	<u>6</u>	<u>1017</u>	<u>10</u>	<u>47</u>	<u>6</u>	<u>803</u>
P 4 <u>15</u>	<u>38</u>	<u>9</u>	<u>1255</u>	<u>15</u>	<u>47</u>	<u>9</u>	<u>1012</u>
P 5 <u>20</u>	<u>38</u>	<u>12</u>	<u>1400</u>	<u>20</u>	<u>47</u>	<u>12</u>	<u>1181</u>
P 6 <u>25</u>	<u>41</u>	<u>15</u>	<u>1555</u>	<u>25</u>	<u>46</u>	<u>15</u>	<u>1299</u>
P 7 <u>30</u>	<u>44</u>	<u>18</u>	<u>1567</u>	<u>30</u>	<u>46</u>	<u>18</u>	<u>1393</u>
P 8 <u>35</u>	<u>44</u>	<u>21</u>	<u>1606</u>	<u>35</u>	<u>45</u>	<u>21</u>	<u>1461</u>
P 9 <u>40</u>	<u>44</u>	<u>24</u>	<u>1618</u>	<u>40</u>	<u>45</u>	<u>24</u>	<u>1498</u>
P10 <u>45</u>	<u>44</u>	<u>27</u>	<u>1629</u>	<u>45</u>	<u>44</u>	<u>27</u>	<u>1530</u>
P11		<u>30</u>	<u>1638</u>	<u>50</u>	<u>44</u>	<u>30</u>	<u>1551</u>
P12		<u>33</u>	<u>1646</u>	<u>55</u>	<u>43</u>	<u>33</u>	<u>1572</u>
P13		<u>36</u>	<u>1652</u>	<u>60</u>	<u>42</u>	<u>36</u>	<u>1584</u>
P14		<u>39</u>	<u>1660</u>	<u>65</u>	<u>43</u>	<u>39</u>	<u>1596</u>
P15				<u>70</u>	<u>45</u>	<u>42</u>	<u>1606</u>
P16				<u>75</u>	<u>45</u>	<u>45</u>	<u>1617</u>
P17				<u>80</u>	<u>45</u>	<u>48</u>	<u>1620</u>
P18				<u>85</u>	<u>46</u>	<u>51</u>	<u>1630</u>
P19				<u>90</u>	<u>46</u>	<u>54</u>	<u>1637</u>
P20				<u>95</u>	<u>46</u>	<u>57</u>	<u>1642</u>

WESTERN TESTING CO., INC.

Pressure Data

11-28-78

Test Ticket No. 1954

Recorder No. 1562 Capacity 3200 Location 4836 Ft.
 Block No. - Elevation 1461 Kelly Bushing Well Temperature 123 °F

Point	Pressure	Open Tool	Time Given	Time Computed
Initial Hydrostatic Mud	2258 P.S.I.		7:45P.	M
First Initial Flow Pressure	47 P.S.I.	First Flow Pressure	45 Mins.	45 Mins.
First Final Flow Pressure	44 P.S.I.	Initial Closed-in Pressure	45 Mins.	39 Mins.
Initial Closed-in Pressure	1660 P.S.I.	Second Flow Pressure	120 Mins.	120 Mins.
Second Initial Flow Pressure	64 P.S.I.	Final Closed-in Pressure	90 Mins.	90 Mins.
Second Final Flow Pressure	51 P.S.I.			
Final Closed-in Pressure	1678 P.S.I.			
Final Hydrostatic Mud	2249 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 9 Inc.		Breakdown: 13 Inc.		Breakdown: 24 Inc.		Breakdown: 30 Inc.	
of 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1				100	49	63	1650
P 2				105	50	66	1656
P 3				110	50	69	1660
P 4				115	51	72	1664
P 5				120	51	75	1668
P 6						78	1671
P 7						81	1674
P 8						84	1676
P 9						87	1677
P10						90	1678
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

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Company Beren Corporation Lease & Well No. Blackstock #1
 Elevation 1461 Kelly Bushing Formation Mississippi Effective Pay -- Ft. Ticket No. 1955
 Date 11/29/78 Sec. 5 Twp. 35S Range 12W County Barber State Kansas
 Test Approved by Bill Iverson Western Representative Norman Allen
 Formation Test No. 3 Interval Tested from 4840' ft. to 4847' ft. Total Depth 4847' ft.
 Packer Depth 4840 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4835 ft. Size 6 3/4 in. Packer Depth = ft. Size - in.
 Depth of Selective Zone Set --
 Top Recorder Depth (Inside) 4833 AP ft. Recorder Number 1561 Cap. 3100
 Bottom Recorder Depth (Outside) 4843 ft. Recorder Number 1562 Cap. 3200
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Union Drilling Company #1 Drill Collar Length 412 I. D. 2 1/4 in.
 Mud Type drispac Viscosity 58 Weight Pipe Length 245 I. D. 2.7 in.
 Weight 9.2 Water Loss 84 cc. Drill Pipe Length - I. D. - in.
 Chlorides 9,500 P.P.M. Test Tool Length 30 in. Tool Size 4 1/2 OD in.
 Jars: Make -- Serial Number -- Anchor Length 7 ft. Size 4 1/2 OD in.
 Did Well Flow? - Reversed Out - Surface Choke Size - in. Bottom Choke Size 3/4 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: Strong throughout test. Gas to surface 60 minutes. See attached sheet for gas measurements.

Recovered 260 ft. of free gassy oil (fluid recovery) 24 gravity corrected
 Recovered - ft. of -
 Recovered - ft. of -
 Recovered - ft. of -
 Recovered - ft. of -
 Remarks: Read outside recorder #1562.

Time Set Packer(s) 11:45 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 4:45 ~~P.M.~~ ^{A.M.} Maximum Temperature 123
 Initial Hydrostatic Pressure - (A) 2259 P.S.I.
 Initial Flow Period 45 Minutes (B) 24 P.S.I. to (C) 39 P.S.I.
 Initial Closed In Period 45 Minutes (D) 1712 P.S.I.
 Final Flow Period 120 Minutes (E) 39 P.S.I. to (F) 89 P.S.I.
 Final Closed In Period 90 Minutes (G) 1633 P.S.I.
 Final Hydrostatic Pressure - (H) 2231 P.S.I.

Phone 316 262-5861
316 838-0601



P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Date 11/29/78 Ticket 1955 Company Beren Corporation
Well Name and No. Balckstock #1 Dst No. 3 Interval Tested 4840'-4847'
County Barber State Kansas Sec. 5 Twp. 35S Rg. 12W

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

Tool open 11:45 A, 45 minutes.						
Tool closed in 12:30 to 1:15 ICIP						

SECOND FLOW

Gas to surface 1:30PM Tool open 60 minutes						total time
65 min. 11" of water 1/4" orifice						5,600 CFPD
70 min. 17" of water 1/4" orifice						6,930 CFPD
85 min. 17" of water 1/4" orifice						6,930 CFPD
100 min. 19" of water 1/4" orifice						7,320 CFPD
115 min. 20" of water 1/4" orifice						7,510 CFPD
130 min. 20" of water 1/4" orifice						7,510 CFPD
150 min. 18" of water 1/4" orifice						7,120 CFPD
165 min. 18" of water 1/4" orifice						7,120 CFPD
Tool closed in 3:15 to 4:45 PM FCIP						
Took sample gas bottle #634						

GAS BOTTLE

Serial No. 634 Date Bottle Filled 11/29/78 Date to be Invoiced 11/30/78

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% per month, equal to 12% 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 Beren Corporation
Bill Iverson

Authorized by _____

WESTERN TESTING CO., INC.

Pressure Data

Date 11-29-78 Test Ticket No. 1955

Recorder No. 1562 Capacity 3200 Location 4843 Ft.

Clock No. - Elevation 1461 Kelly Bushing Well Temperature 123 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	2259 P.S.I.	11:45A.	M
B First Initial Flow Pressure	24 P.S.I.	45 Mins.	45 Mins.
C First Final Flow Pressure	39 P.S.I.	45 Mins.	51 Mins.
D Initial Closed-in Pressure	1712 P.S.I.	120 Mins.	120 Mins.
E Second Initial Flow Pressure	39 P.S.I.	90 Mins.	93 Mins.
F Second Final Flow Pressure	89 P.S.I.		
G Final Closed-in Pressure	1633 P.S.I.		
H Final Hydrostatic Mud	2231 P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>9</u> Inc.		Breakdown: <u>17</u> Inc.		Breakdown: <u>24</u> Inc.		Breakdown: <u>31</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>24</u>	<u>0</u>	<u>39</u>	<u>0</u>	<u>39</u>	<u>0</u>	<u>89</u>
P 2 <u>5</u>	<u>18</u>	<u>3</u>	<u>329</u>	<u>5</u>	<u>36</u>	<u>3</u>	<u>282</u>
P 3 <u>10</u>	<u>18</u>	<u>6</u>	<u>550</u>	<u>10</u>	<u>38</u>	<u>6</u>	<u>451</u>
P 4 <u>15</u>	<u>20</u>	<u>9</u>	<u>775</u>	<u>15</u>	<u>41</u>	<u>9</u>	<u>588</u>
P 5 <u>20</u>	<u>24</u>	<u>12</u>	<u>978</u>	<u>20</u>	<u>44</u>	<u>12</u>	<u>763</u>
P 6 <u>25</u>	<u>26</u>	<u>15</u>	<u>1157</u>	<u>25</u>	<u>49</u>	<u>15</u>	<u>899</u>
P 7 <u>30</u>	<u>31</u>	<u>18</u>	<u>1298</u>	<u>30</u>	<u>53</u>	<u>18</u>	<u>1022</u>
P 8 <u>35</u>	<u>35</u>	<u>21</u>	<u>1390</u>	<u>35</u>	<u>56</u>	<u>21</u>	<u>1127</u>
P 9 <u>40</u>	<u>38</u>	<u>24</u>	<u>1469</u>	<u>40</u>	<u>58</u>	<u>24</u>	<u>1216</u>
P10 <u>45</u>	<u>49</u>	<u>27</u>	<u>1530</u>	<u>45</u>	<u>61</u>	<u>27</u>	<u>1283</u>
P11		<u>30</u>	<u>1574</u>	<u>50</u>	<u>64</u>	<u>30</u>	<u>1337</u>
P12		<u>33</u>	<u>1606</u>	<u>55</u>	<u>67</u>	<u>33</u>	<u>1375</u>
P13		<u>36</u>	<u>1634</u>	<u>60</u>	<u>68</u>	<u>36</u>	<u>1407</u>
P14		<u>39</u>	<u>1658</u>	<u>65</u>	<u>70</u>	<u>39</u>	<u>1434</u>
P15		<u>42</u>	<u>1677</u>	<u>70</u>	<u>72</u>	<u>42</u>	<u>1457</u>
P16		<u>45</u>	<u>1691</u>	<u>75</u>	<u>74</u>	<u>45</u>	<u>1476</u>
P17		<u>48</u>	<u>1705</u>	<u>80</u>	<u>77</u>	<u>48</u>	<u>1495</u>
P18		<u>51</u>	<u>1712</u>	<u>85</u>	<u>79</u>	<u>51</u>	<u>1511</u>
P19				<u>90</u>	<u>80</u>	<u>54</u>	<u>1527</u>
P20				<u>95</u>	<u>82</u>	<u>57</u>	<u>1540</u>
						<u>60</u>	<u>1553</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 11-29-78 Test Ticket No. 1955

Recorder No. 1562 Capacity 3200 Location 4843 Ft.

Clock No. - Elevation 1461 Kelly Bushing Well Temperature 123 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	2259 P.S.I.	11:45A.	M
B First Initial Flow Pressure	24 P.S.I.	45 Mins.	45 Mins.
C First Final Flow Pressure	39 P.S.I.	45 Mins.	51 Mins.
D Initial Closed-in Pressure	1712 P.S.I.	120 Mins.	120 Mins.
E Second Initial Flow Pressure	39 P.S.I.	90 Mins.	93 Mins.
F Second Final Flow Pressure	89 P.S.I.		
G Final Closed-in Pressure	1633 P.S.I.		
H Final Hydrostatic Mud	2231 P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>9</u> Inc.		Breakdown: <u>17</u> Inc.		Breakdown: <u>24</u> Inc.		Breakdown: <u>31</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				100	85	63	1563
P 2				105	86	66	1573
P 3				110	87	69	1582
P 4				115	88	72	1591
P 5				120	89	75	1598
P 6						78	1606
P 7						81	1611
P 8						84	1617
P 9						87	1623
P10						90	1628
P11						93	1633
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TK4#1955

(H)

(A)

(G)

(D)

(F)

(E)

(C)

(B)