



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET NO 5559

P. O. BOX 1599 PHONE (316) 838-0601 WICHITA, KANSAS 67201

Elevation 1816 KB Formation K.C. Eff. Pay

District Cooperate Date 3-29-80 Customer Order No.

COMPANY NAME P. V. Properties Inc.

ADDRESS 360 Sutton Lane, Wichita

LEASE AND WELL NO MUSENBURG #1 COUNTY BARTON STATE KS Sec 2 Twp 19S Rge 12W

Mail Invoice To Musensberg #1 Co. Name Address No. Copies Requested 5

Mail Charts To Address No. Copies Requested 5

Formation Test No #1 Interval Tested from 3150 ft. to 3167 ft. Total Depth 3167 ft.

Packer Depth 3145 ft. Size 6 3/4 in. Packer Depth 3150 ft. Size 6 3/4 in.

Packer Depth ft. Size in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3159 ft. Recorder Number 969 Cap. 4200

Bottom Recorder Depth (Outside) 3162 ft. Recorder Number 1061 Cap. 4250

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor DUKE RIG #2 Drill Collar Length I. D. in.

Mud Type starch Viscosity 40 Weight Pipe Length 918 I. D. 3.4 in.

Weight 10.1 Water Loss 15.6 cc. Drill Pipe Length 2211 I. D. 3.8 in.

Chlorides 24000 P.P.M. Test Tool Length 21 ft. Tool Size 4 3/4 in.

Jars: Make Serial Number Anchor Length 17 ft. Size 5 1/2 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 X 7 in.

Blow: Weak Blow increase slightly for 5 min - then steady 1/2 inch blow first opening - very weak blow thru second opening

Recovered 55 ft. of MUDDY WATER

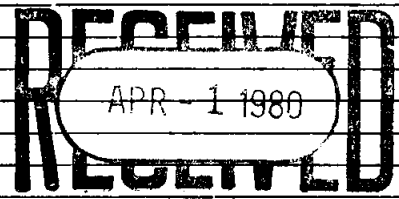
Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:



Time Set Packer(s) 4:17 P.M. Time Started Off Bottom 6:19 P.M. Maximum Temperature 104

Initial Hydrostatic Pressure (A) 1696 P.S.I.

Initial Flow Period Minutes 30 (B) 53 P.S.I. to (C) 43 P.S.I.

Initial Closed In Period Minutes 30 (D) 825 P.S.I.

Final Flow Period Minutes 30 (E) 75 P.S.I. to (F) 53 P.S.I.

Final Closed In Period Minutes 30 (G) 814 P.S.I.

Final Hydrostatic Pressure (H) 1642 P.S.I.

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 Roger Eisenberg

FIELD INVOICE

Table with 2 columns: Item and Price. Items include Open Hole Test (500.00), Misrun, Straddle Test, Jars, Selective Zone, Safety Joint, Standby, Evaluation, Extra Packer, Circ. Sub., Mileage, Fluid Sampler, Extra Charts, and TOTAL (500.00).

WESTERN TESTING CO., INC.

Pressure Data

Date 3-29-80 Test Ticket No. 5559
 Recorder No. 969 Capacity 4200 Location 3159 Ft
 Clock No. _____ Elevation 1816 KB Well Temperature 104 °F

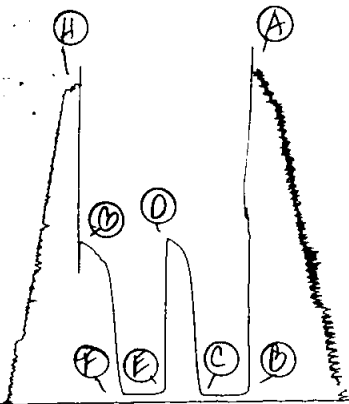
Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1738</u> P.S.I.		<u>4:17</u> P	M
B First Initial Flow Pressure	<u>53</u> P.S.I.	First Flow Pressure	<u>30</u> Mins	<u>30</u> Mins
C First Final Flow Pressure	<u>30</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins	<u>30</u> Mins
D Initial Closed-in Pressure	<u>840</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins	<u>30</u> Mins
E Second Initial Flow Pressure	<u>63</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins	<u>36</u> Mins
F Second Final Flow Pressure	<u>41</u> P.S.I.			
G Final Closed-in Pressure	<u>850</u> P.S.I.			
H Final Hydrostatic Mud	<u>1653</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>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.</p>	<p>Final Shut-In Breakdown: <u>12</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.</p>
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Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	0	<u>53</u>	0	<u>30</u>	0	<u>63</u>	0	<u>41</u>
P 2	5	<u>35</u>	3	<u>55</u>	5	<u>43</u>	3	<u>108</u>
P 3	10	<u>30</u>	6	<u>211</u>	10	<u>41</u>	6	<u>254</u>
P 4	15		9	<u>420</u>	15		9	<u>424</u>
P 5	20		12	<u>652</u>	20		12	<u>594</u>
P 6	25		15	<u>740</u>	25		15	<u>697</u>
P 7	30	<u>30</u>	18	<u>761</u>	30	<u>41</u>	18	<u>746</u>
P 8	35		21	<u>780</u>	35		21	<u>768</u>
P 9	40		24	<u>801</u>	40		24	<u>787</u>
P 10	45		27	<u>821</u>	45		27	<u>807</u>
P 11	50		30	<u>840</u>	50		30	<u>826</u>
P 12	55		33		55		33	<u>840</u>
P 13	60		36		60		36	<u>850</u>
P 14			39		65		39	
P 15			42		70		42	
P 16			45		75		45	
P 17			48		80		48	
P 18			51		85		51	
P 19			54		90		54	
P 20			57				57	
			60				60	

TRK # 5559
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Company P.V. Properties, Inc. Lease & Well No. Musenberg #1
 Elevation 1816 Kelly Bushing Formation Kansas City Effective Pay - Ft. Ticket No. 5559
 Date 3/29/80 Sec. 2 Twp. 19S Range 12W County Barton State Kansas

Test Approved by Jim Musgrove Western Representative Roger Lisenby

Formation Test No. 1 Interval Tested from 3150 ft. to 3167 ft. Total Depth 3167 ft.
 Packer Depth 3145 ft. Size 6 3/4 Packer Depth 3150 ft. Size 6 3/4 in.
 Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 3159 ft. Recorder Number 969 Cap 4200
 Bottom Recorder Depth (Outside) 3162 ft. Recorder Number 1051 Cap 4250
 Below Straddle Recorder Depth - ft. Recorder Number - Cap -

Drilling Contractor Duke Drilling Rig #2 Drill Collar Length - I. D. - in.
 Mud Type starch Viscosity 40 Weight Pipe Length 918 I. D. 3.4 in.
 Weight 10.1 Water Loss 15.6 cc. Drill Pipe Length 2211 I. D. 3.8 in.
 Chlorides 74,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 3/4 in.
 Jars: Make - Serial Number - Anchor Length 17 ft. Size 5 1/2 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 blow increasing slightly for five minutes, then steady 1/2 inch blow first opening. Very weak blow through second opening.

Recovered 55 ft. of muddy water
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: _____

Time Set Packer(s) 4:17 ~~AM~~ P.M. Time Started Off Bottom 6:19 ~~AM~~ P.M. Maximum Temperature 104°
 Initial Hydrostatic Pressure (A) 1738 P.S.I.
 Initial Flow Period Minutes 30 (B) 53 P.S.I. to (C) 30 P.S.I.
 Initial Closed In Period Minutes 30 (D) 840 P.S.I.
 Final Flow Period Minutes 30 (E) 63 P.S.I. to (F) 41 P.S.I.
 Final Closed In Period Minutes 36 (G) 850 P.S.I.
 Final Hydrostatic Pressure (H) 1653 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 3/29/80 Test Ticket No. 5559
 Recorder No. 969 Capacity 4200 Location 3159 Ft.
 Clock No. ---- Elevation 1816 Kelly Bushing Well Temperature 104 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1738</u> P.S.I.	Open Tool	<u>4:17P</u> M	
B First Initial Flow Pressure	<u>53</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>30</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>840</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>63</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>36</u> Mins.
F Second Final Flow Pressure	<u>41</u> P.S.I.			
G Final Closed-in Pressure	<u>850</u> P.S.I.			
H Final Hydrostatic Mud	<u>1653</u> P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	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>53</u>	<u>0</u>	<u>39</u>	<u>0</u>	<u>63</u>	<u>0</u>	<u>41</u>	
P 2 <u>5</u>	<u>35</u>	<u>3</u>	<u>55</u>	<u>5</u>	<u>43</u>	<u>3</u>	<u>108</u>	
P 3 <u>10</u>	<u>30</u>	<u>6</u>	<u>211</u>	<u>10</u>	<u>41</u>	<u>6</u>	<u>254</u>	
P 4 <u>15</u>	<u>30</u>	<u>9</u>	<u>420</u>	<u>15</u>	<u>41</u>	<u>9</u>	<u>424</u>	
P 5 <u>20</u>	<u>30</u>	<u>12</u>	<u>652</u>	<u>20</u>	<u>41</u>	<u>12</u>	<u>594</u>	
P 6 <u>25</u>	<u>30</u>	<u>15</u>	<u>740</u>	<u>25</u>	<u>41</u>	<u>15</u>	<u>697</u>	
P 7 <u>30</u>	<u>30</u>	<u>18</u>	<u>761</u>	<u>30</u>	<u>41</u>	<u>18</u>	<u>746</u>	
P 8		<u>21</u>	<u>780</u>			<u>21</u>	<u>768</u>	
P 9		<u>24</u>	<u>801</u>			<u>24</u>	<u>787</u>	
P10		<u>27</u>	<u>821</u>			<u>27</u>	<u>807</u>	
P11		<u>30</u>	<u>840</u>			<u>30</u>	<u>826</u>	
P12						<u>33</u>	<u>840</u>	
P13						<u>36</u>	<u>850</u>	
P14								
P15								
P16								
P17								
P18								
P19								
P20								



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No 5560

P. O. BOX 1599 WICHITA, KANSAS 67201 PHONE (316) 838-0601

Elevation 1816 KB Formation KC. Eff. Pay Ft.

District Great Bend Date 3-30-80 Customer Order No.

COMPANY NAME P.V. PROPERTIES INC.

ADDRESS 360 SUTTON PLACE WICHITA 67202

LEASE AND WELL NO. MUSENBURG #1 COUNTY BARTON STATE KS Sec. 2 Twp 19 Rge 12

Mail Invoice To: Musenburg, Same Co. Name Address No. Copies Requested 5

Mail Charts To: same Address No. Copies Requested 5

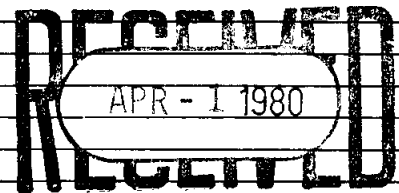
Formation Test No. 2 Interval Tested from 3274 ft. to 3310 ft. Total Depth 3310 ft. Packer Depth 3269 ft. Size 6 3/4 in. Packer Depth 3274 ft. Size 6 3/4 in. Packer Depth in. Size in. Depth of Selective Zone Set

Top Recorder Depth (Inside) 3303 ft. Recorder Number 969 Cap. 4200 Bottom Recorder Depth (Outside) 3306 ft. Recorder Number 1051 Cap. 4250 Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor DUKE RIG #2 Drill Collar Length in. I. D. in. Mud Type starch Viscosity 43 Weight Pipe Length 918 in. I. D. 3.4 in. Weight 9.8 Water Loss 15.6 cc. Drill Pipe Length 2345 in. I. D. 3.8 in. Chlorides 6000 P.P.M. Test Tool Length 21 ft. Tool Size 4 3/4 in. Jars: Make Serial Number Anchor Length 26 ft. Size 5 1/2 in. Did Well Flow? NO Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in. Main Hole Size 7 1/4 in. Tool Joint Size 4 1/2 X H in.

Blow: WEAK BLOW DIED IN 23 MIN - FLUSH TOOL WEAK BLOW REST OF FIRST OPENING NO BLOW SECOND OPENING - FLUSH TOOL - NO BLOW

Recovered 8 ft. of mud with few oil spots Recovered ft. of Recovered ft. of Recovered ft. of Recovered ft. of



Remarks: Read outside Recorder

Table with 4 columns: Time Set Packer(s), P.M., Time Started Off Bottom, P.M., Maximum Temperature, and P.S.I. values for (A) through (H).

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: [Signature] Thank you

FIELD INVOICE

Table listing items: Open Hole Test, Misrun, Straddle Test, Jars, Selective Zone, Safety Joint, Standby, Evaluation, Extra Packer, Circ. Sub., Mileage, Fluid Sampler, Extra Charts, and TOTAL \$500.00

WESTERN TESTING CO., INC.

Pressure Data

Date 3-30-80 Test Ticket No. 5560
 Recorder No. 969 1051 Capacity 4200 50 Location 33006 Ft.
 Clock No. _____ Elevation 1816 KB Well Temperature 107 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1739</u> P.S.I.	<u>3:10 P</u>	<u>M</u>
B First Initial Flow Pressure	<u>86</u> P.S.I.	<u>30</u> Mins	<u>30</u> Mins
C First Final Flow Pressure	<u>65</u> P.S.I.	<u>30</u> Mins	<u>33</u> Mins
D Initial Closed-in Pressure	<u>523</u> P.S.I.	<u>20</u> Mins	<u>25</u> Mins
E Second Initial Flow Pressure	<u>88</u> P.S.I.	<u>20</u> Mins	<u>20</u> Mins
F Second Final Flow Pressure	<u>54</u> P.S.I.		
G Final Closed-in Pressure	<u>474</u> P.S.I.		
H Final Hydrostatic Mud	<u>1696</u> P.S.I.		

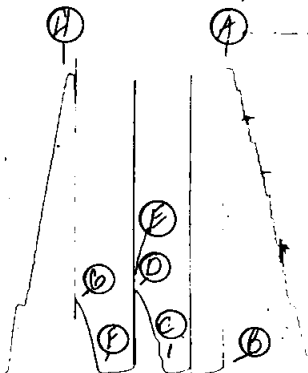
PRESSURE BREAKDOWN

<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>11</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.</p>	<p>Second Flow Pressure Breakdown: <u>5</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.</p>	<p>Final Shut-In Breakdown: <u>6</u> Inc. of <u>3</u> mins. and a final inc. of <u>02</u> Min.</p>
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>86</u>	0	<u>65</u>	0	<u>88</u>	0	<u>54</u>
P 2 5	<u>67</u>	3	<u>58</u>	5	<u>71</u>	3	<u>120</u>
P 3 10	<u>58</u>	6	<u>56</u>	10	<u>62</u>	6	<u>224</u>
P 4 15	<u>54</u>	9	<u>56</u>	15	<u>58</u>	9	<u>306</u>
P 5 20	<u>52</u>	12	<u>77</u>	20	<u>56</u>	12	<u>375</u>
P 6 25	<u>Flashed Tool</u>	15	<u>226</u>	25	<u>54</u>	15	<u>431</u>
P 7 30	<u>65</u>	18	<u>256</u>	30		18	<u>461</u>
P 8 35		21	<u>334</u>	35		20	<u>474</u>
P 9 40		24	<u>403</u>	40		24	
P 10 45		27	<u>457</u>	45		27	
P 11 50		30	<u>498</u>	50		30	
P 12 55		33	<u>523</u>	55		33	
P 13 60		36		60		36	
P 14		39		65		39	
P 15		42		70		42	
P 16		45		75		45	
P 17		48		80		48	
P 18		51		85		51	
P 19		54		90		54	
P 20		57				57	
		60				60	

~~KT # 5560~~

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1051

Company P.V.Properties, Inc. Lease & Well No. Musenberg #1
 Elevation 1816 Kelly Bushing Kansas City Effective Pay ----- Ft. Ticket No. 5560
 Date 3/30/80 Sec. 2 Twp. 19S Range 12W County Barton State Kansas
 Test Approved by Jim Musgrove Western Representative Roger Lisenby

Formation Test No. 2 Interval Tested from 3274 ft. to 3310 Total Depth 3310 ft.
 Packer Depth 3269 ft. Size 6 3/4 in. Packer Depth 3274 ft. Size 6 3/4 in.
 Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3303 ft. Recorder Number 969 Cap. 4200
 Bottom Recorder Depth (Outside) 3306 ft. Recorder Number 1051 * Cap. 4250
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Duke Drilling Rig #2 Drill Collar Length - I. D. - in.
 Mud Type starch Viscosity 43 Weight Pipe Length 918 I. D. 3.4 in.
 Weight 9.8 Water Loss 15.6 cc. Drill Pipe Length 2345 I. D. 3.8 in.
 Chlorides 66,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 3/4 in.
 Jars: Make - Serial Number - Anchor Length 26 ft. Size 5 1/2 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 blow; died in twenty-three minutes; flushed tool, weak blow rest of first opening. No blow second opening. Flushed tool, no blow.

Recovered 8 ft. of mud with few oil spots
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of * READ OUTSIDE RECORDER

Remarks:

Time Set Packer(s) 3:10 ~~AM~~ P.M. Time Started Off Bottom 4:55 ~~AM~~ P.M. Maximum Temperature 107°
 Initial Hydrostatic Pressure (A) 1739 P.S.I.
 Initial Flow Period Minutes 30 (B) 86 P.S.I. to (C) 65 P.S.I.
 Initial Closed In Period Minutes 33 (D) 523 P.S.I.
 Final Flow Period Minutes 25 (E) 88 P.S.I. to (F) 54 P.S.I.
 Final Closed In Period Minutes 20 (G) 474 P.S.I.
 Final Hydrostatic Pressure (H) 1696 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 3/30/80 Test Ticket No. 5560
 Recorder No. 1051 Capacity 4250 Location 3306 Ft.
 Clock No. _____ Elevation 1816 Kelly Bushing Well Temperature 107 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1739</u> P.S.I.	Open Tool	<u>3:10P</u> M	
B First Initial Flow Pressure	<u>86</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>65</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>33</u> Mins.
D Initial Closed-in Pressure	<u>523</u> P.S.I.	Second Flow Pressure	<u>20</u> Mins.	<u>25</u> Mins.
E Second Initial Flow Pressure	<u>88</u> P.S.I.	Final Closed-in Pressure	<u>20</u> Mins.	<u>20</u> Mins.
F Second Final Flow Pressure	<u>54</u> P.S.I.			
G Final Closed-in Pressure	<u>474</u> P.S.I.			
H Final Hydrostatic Mud	<u>1696</u> P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>11</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>5</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>6</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.	Point Minutes
P 1 <u>0</u>	<u>86</u>	<u>0</u>	<u>65</u>	<u>0</u>	<u>88</u>	<u>0</u>	<u>54</u>	
P 2 <u>5</u>	<u>67</u>	<u>3</u>	<u>58</u>	<u>5</u>	<u>71</u>	<u>3</u>	<u>120</u>	
P 3 <u>10</u>	<u>58</u>	<u>6</u>	<u>56</u>	<u>10</u>	<u>62</u>	<u>6</u>	<u>224</u>	
P 4 <u>15</u>	<u>54</u>	<u>9</u>	<u>56</u>	<u>15</u>	<u>58</u>	<u>9</u>	<u>306</u>	
P 5 <u>20</u>	<u>52</u>	<u>12</u>	<u>77</u>	<u>20</u>	<u>56</u>	<u>12</u>	<u>375</u>	
P 6 <u>25</u> flushed tool		<u>15</u>	<u>226</u>	<u>25</u>	<u>54</u>	<u>15</u>	<u>431</u>	
P 7 <u>30</u>	<u>65</u>	<u>18</u>	<u>256</u>			<u>18</u>	<u>461</u>	
P 8 _____		<u>21</u>	<u>334</u>			<u>20</u>	<u>474</u>	
P 9 _____		<u>24</u>	<u>403</u>					
P10 _____		<u>27</u>	<u>457</u>					
P11 _____		<u>30</u>	<u>498</u>					
P12 _____		<u>33</u>	<u>523</u>					
P13 _____								
P14 _____								
P15 _____								
P16 _____								
P17 _____								
P18 _____								
P19 _____								
P20 _____								



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No 5561

P. O. BOX 1599 PHONE (316) 838-0601

WICHITA, KANSAS 67201

Elevation 1816 KB Formation conglomerate Eff. Pay Ft.

District Great Bend Date 3-31-80 Customer Order No.

COMPANY NAME P.V. Properties INC.

ADDRESS 360 SUTTON PLACE WICHITA KS 67202

LEASE AND WELL NO. MUSENBURG #1 COUNTY BARTON STATE KS Sec. 2 Twp. 19 Rge. 12

Mail Invoice To Musemburg #1 Same Co. Name Address No. Copies Requested 5

Mail Charts To Same Address No. Copies Requested 5

Formation Test No. 3 Interval Tested from 3378 ft. to 3413 ft. Total Depth 3413 ft.

Packer Depth 3378 ft. Size 6 3/4 in. Packer Depth 3378 ft. Size 6 3/4 in.

Packer Depth ft. Size in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3406 ft. Recorder Number 969 Cap. 4200

Bottom Recorder Depth (Outside) 3409 ft. Recorder Number 1051 Cap. 4260

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor DUKE RIGGS 2 Drill Collar Length I. D. in.

Mud Type Starch Viscosity 43 Weight Pipe Length 918 I. D. 3.4 in.

Weight 9.8 Water Loss 15.6 cc. Drill Pipe Length 2439 I. D. 3.8 in.

Chlorides 46,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 3/4 in.

Jars: Make Serial Number Anchor Length 35 ft. Size 5 1/2 in.

Did Well Flow? NO Reversed Out NO Surface Choke Size 3 1/4 in. Bottom Choke Size 3/4 in.

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

Blow: Good Blow Steady increasing to strong first opening (Bottom of bucket) - Good Blow increase to 8 inches in bucket in 20 min - steady thru rest of screen opening

Recovered 120 of CLEAN OIL

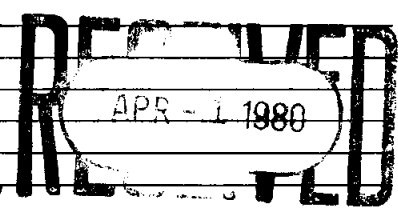
Recovered 360 ft. of MUDDY Frothy oil

Recovered 60 ft. of oil cut MUDDY WATER

Recovered ft. of

Recovered ft. of

Remarks: Chlorides 52,000 P.P.M.



Time Set Packer(s) 12:49 P.M. Time Started Off Bottom 3:21 P.M. Maximum Temperature 116°

Initial Hydrostatic Pressure (A) 1824 P.S.I.

Initial Flow Period Minutes 30 (B) 107 P.S.I. to (C) 129 P.S.I.

Initial Closed In Period Minutes 30 (D) 985 P.S.I.

Final Flow Period Minutes 45 (E) 204 P.S.I. to (F) 236 P.S.I.

Final Closed In Period Minutes 45 (G) 995 P.S.I.

Final Hydrostatic Pressure (H) 1761 P.S.I.

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 [Signature]

FIELD INVOICE

Table with 2 columns: Item, Amount. Includes Open Hole Test \$500.00, Misrun \$, Straddle Test \$, Jars \$, Selective Zone \$, Safety Joint \$, Standby \$, Evaluation \$, Extra Packer \$, Circ. Sub. \$, Mileage \$, Fluid Sampler \$, Extra Charts \$, TOTAL \$500.00

WESTERN TESTING CO., INC.

Pressure Data

Date 3-31-80 Recorder No. 969 Capacity 4200 Location 3406 Ft.
 Clock No. _____ Elevation 1816 KB Well Temperature 116 °F

Test Ticket No. 5561

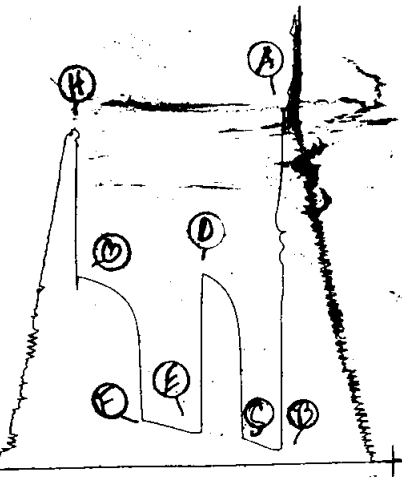
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1839</u>	P.S.I.	<u>12:49 P</u>	<u>M</u>
B First Initial Flow Pressure	<u>084</u>	P.S.I.	<u>30</u>	<u>30</u> Mins.
C First Final Flow Pressure	<u>141</u>	P.S.I.	<u>30</u>	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1021</u>	P.S.I.	<u>45</u>	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>180</u>	P.S.I.	<u>45</u>	<u>45</u> Mins.
F Second Final Flow Pressure	<u>248</u>	P.S.I.		
G Final Closed-in Pressure	<u>1019</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1791</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Initial Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Second Flow Pressure Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Final Shut-In Breakdown: <u>15</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>084</u>	0	<u>141</u>	0	<u>180</u>	0	<u>248</u>
P 2	<u>76</u>	3	<u>686</u>	5	<u>172</u>	3	<u>711</u>
P 3	<u>84</u>	6	<u>809</u>	10	<u>180</u>	6	<u>811</u>
P 4	<u>102</u>	9	<u>891</u>	15	<u>190</u>	9	<u>859</u>
P 5	<u>119</u>	12	<u>912</u>	20	<u>201</u>	12	<u>889</u>
P 6	<u>133</u>	15	<u>939</u>	25	<u>213</u>	15	<u>910</u>
P 7	<u>141</u>	18	<u>956</u>	30	<u>221</u>	18	<u>924</u>
P 8		21	<u>972</u>	35	<u>230</u>	21	<u>938</u>
P 9		24	<u>989</u>	40	<u>239</u>	24	<u>951</u>
P10		27	<u>1005</u>	45	<u>248</u>	27	<u>964</u>
P11		30	<u>1021</u>	50		30	<u>977</u>
P12		33		55		33	<u>986</u>
P13		36		60		36	<u>996</u>
P14		39		65		39	<u>1004</u>
P15		42		70		42	<u>1012</u>
P16		45		75		45	<u>1019</u>
P17		48		80		48	
P18		51		85		51	
P19		54		90		54	
P20		57				57	
		60				60	

HL#5561
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Company P. V. Properties, Inc. Lease & Well No. Musenberg #1
1816 Kelly Bushing Conglomerate Formation ----- Effective Pay ----- Ft. Ticket No. 5561
 Elevation ----- Date 3/31/80 Sec. 2 Twp. 19S Range. 12W County. Barton State Kansas

Test Approved by Jim Musgrove Western Representative Roger Lisenby
 Formation Test No. 3 Interval Tested from 3378 ft. to 3413 ft. Total Depth 3413 ft.
 Packer Depth 3378 ft. Size 6 3/4 in. Packer Depth 3378 ft. Size 6 3/4 in.
 Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 3406 ft. Recorder Number 969 Cap. 4200
 Bottom Recorder Depth (Outside) 3409 ft. Recorder Number 1051 Cap. 4250
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Duke Drilling Rig #2 Drill Collar Length - I. D. - in.
 Mud Type starch Viscosity 43 Weight Pipe Length 918 I. D. 3.4 in.
 Weight 9.8 Water Loss 15.6 cc. Drill Pipe Length 2439 I. D. 3.8 in.
 Chlorides 66,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 3/4 in.
 Jars: Make - Serial Number - Anchor Length 35 ft. Size 5 1/2 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: Good blow steadily increasing to strong first opening. (Bottom of bucket) -
Good blow increasing to eight inches in bucket in twenty minutes. Steady
through rest of second opening.

Recovered 120 ft. of clean oil
 Recovered 360 ft. of muddy frothy oil
 Recovered 60 ft. of oil cut muddy water
 Recovered ft. of

Remarks: Chlorides 52,000 ppm

Time Set Packer(s) 12:49 ^{A.M.}/_{P.M.} Time Started Off Bottom 3:21 ^{A.M.}/_{P.M.} Maximum Temperature 116°
 Initial Hydrostatic Pressure (A) 1839 P.S.I.
 Initial Flow Period Minutes 30 (B) 84 P.S.I. to (C) 141 P.S.I.
 Initial Closed In Period Minutes 30 (D) 1021 P.S.I.
 Final Flow Period Minutes 45 (E) 180 P.S.I. to (F) 248 P.S.I.
 Final Closed In Period Minutes 45 (G) 1019 P.S.I.
 Final Hydrostatic Pressure (H) 1791 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 3/31/80 Test Ticket No. 5561
 Recorder No. 969 Capacity 4200 Location 3406 Ft.
 Clock No. ----- Elevation 1816 Kelly Bushing Well Temperature 116 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1839	P.S.I.	12:49P	M
B First Initial Flow Pressure	84	P.S.I.	30	Mins. 30
C First Final Flow Pressure	141	P.S.I.	30	Mins. 30
D Initial Closed-in Pressure	1021	P.S.I.	45	Mins. 45
E Second Initial Flow Pressure	180	P.S.I.	45	Mins. 45
F Second Final Flow Pressure	248	P.S.I.		
G Final Closed-in Pressure	1019	P.S.I.		
H Final Hydrostatic Mud	1791	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: 10 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 9 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 15 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 0	84	0	141	0	180	0	248
P 2 5	76	3	686	5	172	3	711
P 3 10	84	6	809	10	180	6	811
P 4 15	102	9	871	15	190	9	859
P 5 20	119	12	912	20	201	12	887
P 6 25	133	15	939	25	213	15	910
P 7 30	141	18	956	30	221	18	924
P 8		21	972	35	230	21	938
P 9		24	989	40	239	24	951
P10		27	1005	45	248	27	964
P11		30	1021			30	977
P12						33	986
P13						36	996
P14						39	1004
P15						42	1012
P16						45	1019
P17							
P18							
P19							
P20							