



**WESTERN TESTING CO., INC.**

**FORMATION TESTING**

TICKET No. 7005

Elevation 1800 KB Formation Lansing Eff. Pay      Ft.

District Great Bend Date 7-26-80 Customer Order No.     

COMPANY NAME P.V. Properties Inc

ADDRESS 360 Saffon Place, Wichita, KS 67202

LEASE AND WELL NO. McIntosh #1 COUNTY Rice STATE KS Sec. 3 Twp 20S Rge 10W

Mail Invoice To Same As Above No. Copies Requested 5

Co. Name " " " Address " " " No. Copies Requested 5

Mail Charts To " " " Address " " " No. Copies Requested 5

Formation Test No. 1 Interval Tested from 3100 ft. to 3134 ft. Total Depth 3134 ft.  
 Packer Depth 3129 ft. Size 6 5/8 in. Packer Depth      ft. Size      in.  
 Packer Depth 3134 ft. Size 6 5/8 in. Packer Depth      ft. Size      in.  
 Depth of Selective Zone Set     

Top Recorder Depth (Inside) 3118 ft. Recorder Number 969 Cap. 4200  
 Bottom Recorder Depth (Outside) 3121 ft. Recorder Number 10207 Cap. 5400  
 Below Straddle Recorder Depth      ft. Recorder Number      Cap.     

Drilling Contractor Damac Drilling Rig 1 Drill Collar Length 424 I. D.      in.  
 Mud Type Starch Viscosity 37 Weight Pipe Length      I. D.      in.  
 Weight 9.4 Water Loss 9.0 cc. Drill Pipe Length 2654 I. D. 3.8 in.  
 Chlorides 39,000 P.P.M. Test Tool Length 22 ft. Tool Size 5/200 in.  
 Jars: Make      Serial Number      Anchor Length 34 ft. Size 5/2 00 in.  
 Did Well Flow?      Reversed Out      Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
 Main Hole Size 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: 1" decreasing during initial flow period - few bubbles, died in 6 min of  
Final Flow Period - Flushed tool, Final F.P. -

Recovered 10' ft. of Drilling Mud  
 Recovered      ft. of       
 Recovered      ft. of       
 Recovered      ft. of       
 Recovered      ft. of     

Remarks: Arrived Location 10:00 PM Finished Test 5 AM

Time Set Packer(s) 11:40 P.M. Time Started Off Bottom 2:45 A.M. Maximum Temperature 108  
 Initial Hydrostatic Pressure 1602 P.S.I. (A)  
 Initial Flow Period 45 Minutes (B) 51 P.S.I. to (C) 51 P.S.I.  
 Initial Closed In Period 45 Minutes (D) 51 P.S.I.  
 Final Flow Period 45 Minutes (E) 51 P.S.I. to (F) 51 P.S.I.  
 Final Closed In Period 45 Minutes (G) 51 P.S.I.  
 Final Hydrostatic Pressure 1591 P.S.I. (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 Jim Musgrove Signature of Customer or his authorized representative  
 Western Representative Jane Eberhart

**FIELD INVOICE**

Open Hole Test 850.00  
 Misrun \$  
 Straddle Test \$  
 Jars \$  
 Selective Zone \$  
 Safety Joint \$  
 Standby \$  
 Evaluation \$  
 Extra Packer \$  
 Circ. Sub. \$  
 Mileage 20 15.00  
 Fluid Sampler \$  
 Extra Charts \$  
 TOTAL 665.00  
565.00

JUL 29 1980

WESTERN TESTING CO., INC.

Pressure Data

Date 7-26-80

Test Ticket No. 7005

Recorder No. 269 Capacity 4200

Location 3118 Ft.

Clock No. \_\_\_\_\_ Elevation 1800 XB

Well Temperature 108 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1607</u>	P.S.I.	<u>11:40 P M</u>	
B First Initial Flow Pressure	<u>59</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
C First Final Flow Pressure	<u>51</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>55</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>51</u>	P.S.I.	<u>45</u> Mins.	<u>51</u> Mins.
F Second Final Flow Pressure	<u>59</u>	P.S.I.		
G Final Closed-in Pressure	<u>65</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1584</u>	P.S.I.		

PRESSURE BREAKDOWN

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

Initial Shut-In  
Breakdown: 15 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.

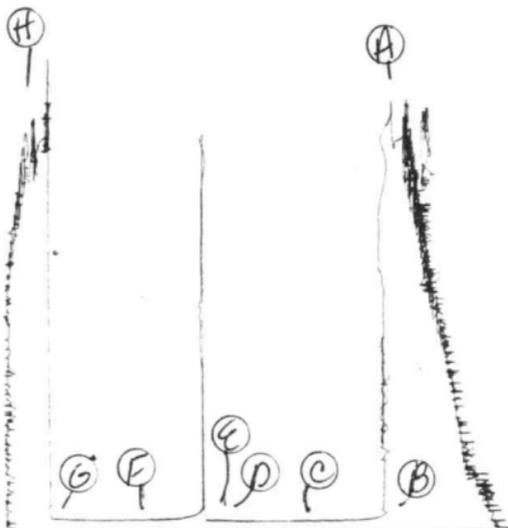
Final Shut-In  
Breakdown: 17 Inc.  
of 3 mins. and a  
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>59</u>	<u>0</u>	<u>51</u>	<u>0</u>	<u>51</u>	<u>0</u>	<u>59</u>
P 2 <u>5</u>	<u>56</u>	<u>3</u>		<u>5</u>	<u>53</u>	<u>3</u>	
P 3 <u>10</u>	<u>51</u>	<u>6</u>		<u>10</u>	<u>Flushed Tool</u>	<u>6</u>	
P 4 <u>15</u>		<u>9</u>		<u>15</u>	<u>80</u>	<u>9</u>	
P 5 <u>20</u>		<u>12</u>		<u>20</u>	<u>72</u>	<u>12</u>	
P 6 <u>25</u>		<u>15</u>		<u>25</u>	<u>64</u>	<u>15</u>	
P 7 <u>30</u>		<u>18</u>		<u>30</u>	<u>62</u>	<u>18</u>	
P 8 <u>35</u>		<u>21</u>		<u>35</u>	<u>61</u>	<u>21</u>	
P 9 <u>40</u>		<u>24</u>		<u>40</u>	<u>61</u>	<u>24</u>	
P10 <u>45</u>	<u>51</u>	<u>27</u>		<u>45</u>	<u>59</u>	<u>27</u>	
P11 <u>50</u>		<u>30</u>	<u>51</u>	<u>50</u>		<u>30</u>	<u>59</u>
P12 <u>55</u>		<u>33</u>	<u>51</u>	<u>55</u>		<u>33</u>	
P13 <u>60</u>		<u>36</u>	<u>52</u>	<u>60</u>		<u>36</u>	
P14		<u>39</u>	<u>53</u>	<u>65</u>		<u>39</u>	
P15		<u>42</u>	<u>54</u>	<u>70</u>		<u>42</u>	<u>59</u>
P16		<u>45</u>	<u>55</u>	<u>75</u>		<u>45</u>	<u>61</u>
P17		<u>48</u>		<u>80</u>		<u>48</u>	<u>63</u>
P18		<u>51</u>		<u>85</u>		<u>51</u>	<u>65</u>
P19		<u>54</u>		<u>90</u>		<u>54</u>	
P20		<u>57</u>				<u>57</u>	
		<u>60</u>				<u>60</u>	

969

SKT # 7005

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Company P. V. Properties, Inc. Lease & Well No. McIntosh #1  
 Elevation 1800 Kelly Bushing Formation Lansing Effective Pay ----- Ft. Ticket No. 7005  
 Date 7/26/80 Sec. 3 Twp. 20S Range 10W County Rice State Kansas  
 Test Approved by Jim Musgrove Western Representative Gene Eberhart

Formation Test No. 1 Interval Tested from 3100 ft. to 3134 ft. Total Depth 3134 ft.  
 Packer Depth 3129 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.  
 Packer Depth 3134 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -  
 Top Recorder Depth (Inside) 3118 ft. Recorder Number 969 Cap. 4200  
 Bottom Recorder Depth (Outside) 3121 ft. Recorder Number 10207 Cap. 5400  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor DaMac Drilling Rig #1 Drill Collar Length 424 I. D. - in.  
 Mud Type starch Viscosity 37 Weight Pipe Length - I. D. - in.  
 Weight 9.4 Water Loss 9.0 cc. Drill Pipe Length 2654 I. D. 3.8 in.  
 Chlorides 30,000 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 OD in.  
 Jars: Make - Serial Number - Anchor Length 34 ft. Size 5 1/2 OD in.  
 Did Well Flow? - 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 XH in.

Blow: One inch decafeasing durinf initial flow period. Few bubbles, died in six minutes of final flow period. Flushed tool final flow period.

Recovered 10 ft. of drilling mud  
 Recovered     ft. of      
 Recovered     ft. of      
 Recovered     ft. of      
 Recovered     ft. of    

Remarks:    

Time Set Packer(s) 11:40 ~~A.M.~~ P.M. Time Started Off Bottom 2:45 ~~P.M.~~ A.M. Maximum Temperature 108°  
 Initial Hydrostatic Pressure ..... (A) 1607 P.S.I.  
 Initial Flow Period ..... Minutes 45 (B) 59 P.S.I. to (C) 51 P.S.I.  
 Initial Closed In Period ..... Minutes 45 (D) 55 P.S.I.  
 Final Flow Period ..... Minutes 45 (E) 51 P.S.I. to (F) 59 P.S.I.  
 Final Closed In Period ..... Minutes 51 (G) 65 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 1584 P.S.I.

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date: 7-26-80 Test Ticket No. 7005  
 Recorder No. 969 Capacity 4200 Location 3118 Ft.  
 Clock No. ---- Elevation 1800 Kelly Bushing Well Temperature 108 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1607</u> P.S.I.	Open Tool	<u>11:40</u> P. M.	
B First Initial Flow Pressure	<u>59</u> P.S.I.	First Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
C First Final Flow Pressure	<u>51</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>55</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>51</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>51</u> Mins.
F Second Final Flow Pressure	<u>59</u> P.S.I.			
G Final Closed-in Pressure	<u>65</u> P.S.I.			
H Final Hydrostatic Mud	<u>1584</u> P.S.I.			

**PRESSURE BREAKDOWN**

Point Mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In			
	Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>15</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>17</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.
P 1	<u>59</u>	<u>0</u>	<u>51</u>	<u>0</u>	<u>51</u>	<u>0</u>	<u>59</u>
P 2	<u>56</u>	<u>3</u>	<u>51</u>	<u>5</u>	<u>53</u>	<u>3</u>	<u>59</u>
P 3	<u>51</u>	<u>6</u>	<u>51</u>	<u>10</u>	<u>Flushed Tool</u>	<u>6</u>	<u>59</u>
P 4	<u>51</u>	<u>9</u>	<u>51</u>	<u>15</u>	<u>80</u>	<u>9</u>	<u>59</u>
P 5	<u>51</u>	<u>12</u>	<u>51</u>	<u>20</u>	<u>72</u>	<u>12</u>	<u>59</u>
P 6	<u>51</u>	<u>15</u>	<u>51</u>	<u>25</u>	<u>64</u>	<u>15</u>	<u>59</u>
P 7	<u>51</u>	<u>18</u>	<u>51</u>	<u>30</u>	<u>62</u>	<u>18</u>	<u>59</u>
P 8	<u>51</u>	<u>21</u>	<u>51</u>	<u>35</u>	<u>61</u>	<u>21</u>	<u>59</u>
P 9	<u>51</u>	<u>24</u>	<u>51</u>	<u>40</u>	<u>61</u>	<u>24</u>	<u>59</u>
P10	<u>51</u>	<u>27</u>	<u>51</u>	<u>45</u>	<u>59</u>	<u>27</u>	<u>59</u>
P11		<u>30</u>	<u>51</u>			<u>30</u>	<u>59</u>
P12		<u>33</u>	<u>51</u>			<u>33</u>	<u>59</u>
P13		<u>36</u>	<u>52</u>			<u>36</u>	<u>59</u>
P14		<u>39</u>	<u>53</u>			<u>39</u>	<u>59</u>
P15		<u>42</u>	<u>54</u>			<u>42</u>	<u>59</u>
P16		<u>45</u>	<u>55</u>			<u>45</u>	<u>61</u>
P17						<u>48</u>	<u>63</u>
P18						<u>51</u>	<u>65</u>
P19							
P20							



WESTERN TESTING CO., INC.  
FORMATION TESTING

TICKET No 7006

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

Elevation 1800KB Formation Congl Eff. Pay      Ft.

District Great Bend Date 7-27-80 Customer Order No.     

COMPANY NAME P V Properties, Inc.  
ADDRESS 360 Sutton Place, Wichita, Ks 67202

LEASE AND WELL NO McIntosh #1 COUNTY Rice STATE Ks Sec. 3 Twp 20S Rge 10W

Mail Invoice To Same As Above No. Copies Requested 5

Co. Name      Address      No. Copies Requested 5

Formation Test No. 2 Interval Tested from 3332 ft. to 3378 ft. Total Depth 3378 ft.  
Packer Depth 3327 ft. Size 6 5/8 in. Packer Depth      ft. Size      in.  
Packer Depth 3332 ft. Size 6 5/8 in. Packer Depth      ft. Size      in.

Depth of Selective Zone Set  
Top Recorder Depth (Inside) 3355 ft. Recorder Number 969 Cap. 4200  
Bottom Recorder Depth (Outside) 3358 ft. Recorder Number 10207 Cap. 5400  
Below Straddle Recorder Depth      ft. Recorder Number      Cap.     

Drilling Contractor DAMAR #1 Drill Collar Length 424 I. D.      in.  
Mud Type STARCH Viscosity 44 Weight Pipe Length      I. D.      in.  
Weight 9.6 Water Loss 9.2 cc. Drill Pipe Length 2846 I. D. 3.8 in.  
Chlorides 40000 P.P.M. Test Tool Length 22 ft. Tool Size 5/200 in.  
Jars: Make      Serial Number      Anchor Length 46 ft. Size 5/200 in.  
Did Well Flow?      Reversed Out      Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
Main Hole Size 7/8 in. Tool Joint Size 1/2 x H in.

Blow: When tool open FF - No. blow, flushed tool twice  
got some bubble on 2nd flushed (died) NO blow final flow

Recovered 0 ft. of  
Recovered      ft. of  
Recovered      ft. of  
Recovered      ft. of  
Recovered      ft. of

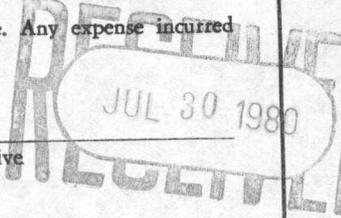
Remarks: Charts showed plugged tool  
became block off sub was used to have  
46 anchor and it was installed on lower part of packer  
string instead of lower part of anchor string

Time Set Packer(s) 3:12 P.M. Time Started Off Bottom 4:15 P.M. Maximum Temperature 109  
Initial Hydrostatic Pressure      (A) 1750 P.S.I.  
Initial Flow Period      Minutes (B)      P.S.I. to (C)      P.S.I.  
Initial Closed In Period      Minutes (D)      P.S.I.  
Final Flow Period      Minutes (E)      P.S.I. to (F)      P.S.I.  
Final Closed In Period      Minutes (G)      P.S.I.  
Final Hydrostatic Pressure      (H) 1748 P.S.I.

COMPANY TERMS

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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]

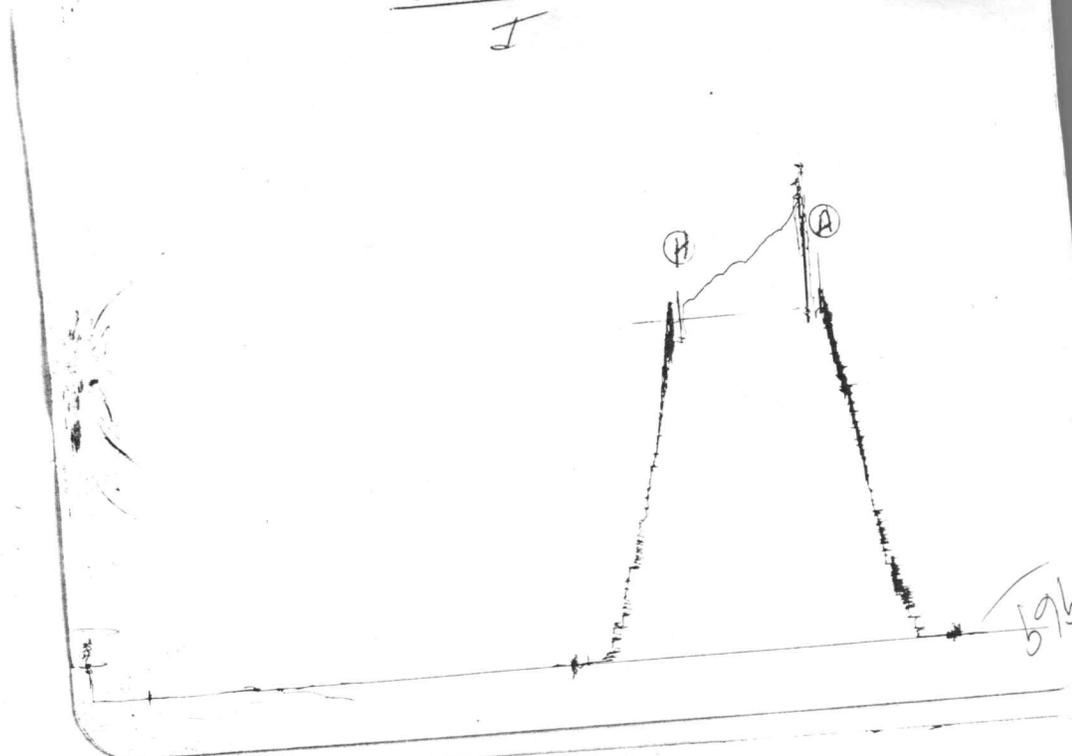


FIELD INVOICE

Open Hole Test      N/C  
Misrun \$       
Straddle Test \$       
Jars \$ A.E.  
Selective Zone \$       
Safety Joint \$       
Standby \$       
Evaluation \$       
Extra Packer \$       
Circ. Sub. \$       
Mileage \$       
Fluid Sampler \$       
Extra Charts \$       
TOTAL \$ N/C

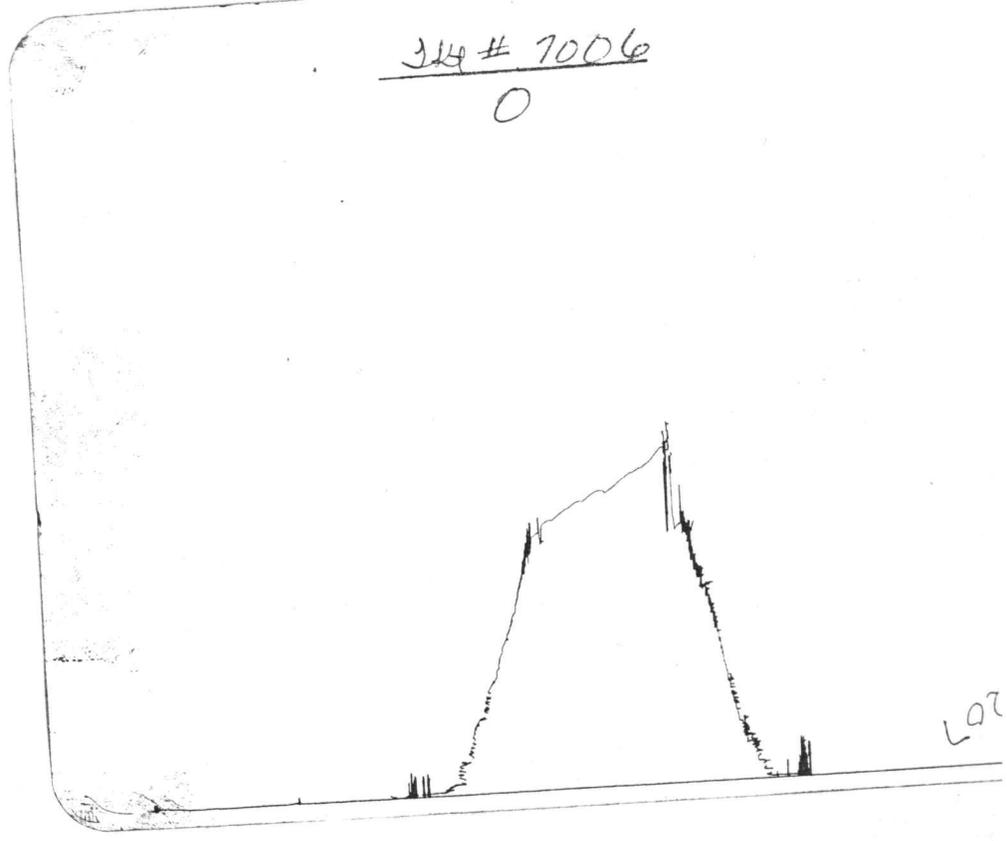
Plot # 7006

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Plot # 7006

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Company P. V. Properties, Inc. Lease & Well No. McIntosh #1  
 Elevation 1800 Kelly Bushing Formation Conglomerate Effective Pay --- Ft. Ticket No. 7006  
 Date 7/27/80 Sec. 3 Twp. 20S Range 10W County Rice State Kansas  
 Test Approved by Jim Musgrove Western Representative Gene Eberhart

Formation Test No. 2 Interval Tested from 3332 ft. to 3378 ft. Total Depth 3379 ft.  
 Packer Depth 3327 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.  
 Packer Depth 3332 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -  
 Top Recorder Depth (Inside) 3355 ft. Recorder Number 969 Cap. 4200  
 Bottom Recorder Depth (Outside) 3358 ft. Recorder Number 10207 Cap. 5400  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Damac Drilling Rig #1 Drill Collar Length 424 I. D. - in.  
 Mud Type starch Viscosity 44 Weight Pipe Length - I. D. - in.  
 Weight 9.6 Water Loss 9.2 cc. Drill Pipe Length 2846 I. D. 3.8 in.  
 Chlorides 40,000 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 OD in.  
 Jars: Make - Serial Number - Anchor Length 46 ft. Size 5 1/2 OD in.  
 Did Well Flow? - 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 XH in.

Blow: When tool opened on first flow no blow; flushed tool twice--got some bubbles on second flush (died) no blow final flow.

Recovered 0 ft. of  
 Recovered \_\_\_\_\_ ft. of  
 Recovered \_\_\_\_\_ ft. of  
 Recovered \_\_\_\_\_ ft. of  
 Recovered \_\_\_\_\_ ft. of

Remarks: Charts showed plugged tool. No charge because block off sub was used to have 46' anchor and it was installed on lower part of packer string instead of lower part of anchor string.

Time Set Packer(s) 3:12 ~~A.M.~~ P.M. Time Started Off Bottom 4:15 ~~A.M.~~ P.M. Maximum Temperature 109°  
 Initial Hydrostatic Pressure ..... (A) 1750 P.S.I.  
 Initial Flow Period ..... Minutes ..... (B) -- P.S.I. to (C) -- P.S.I.  
 Initial Closed In Period ..... Minutes ..... (D) -- P.S.I.  
 Final Flow Period ..... Minutes ..... (E) -- P.S.I. to (F) -- P.S.I.  
 Final Closed In Period ..... Minutes ..... (G) -- P.S.I.  
 Final Hydrostatic Pressure ..... (H) 1746 P.S.I.



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 7007

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

Elevation 1800 KB Formation Congl Eff. Pay Ft.

District Great Bend Date 7-27-80 Customer Order No.

COMPANY NAME P V Properties Inc

ADDRESS 360 Sutton Place, Wichita Ks 67202

LEASE AND WELL NO McIntosh #1 COUNTY Rice STATE Ks Sec 3 Twp 20S Rge 10W

Mail Invoice To Same As Above No. Copies Requested 5

Mail Charts To Same As Above Address Copy to Musgrave No. Copies Requested 5

Formation Test No. 3 Interval Tested from 3332 ft. to 3378 ft. Total Depth 3378 ft.

Packer Depth 3327 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Packer Depth 3332 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3355 ft. Recorder Number 969 Cap. 4200

Bottom Recorder Depth (Outside) 3358 ft. Recorder Number 10207 Cap. 5400

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Do Mac Rig 1 Drill Collar Length 424 I. D. in.

Mud Type starch Viscosity 44 Weight Pipe Length I. D. in.

Weight 9.6 Water Loss 9.2 cc. Drill Pipe Length 2846 I. D. 3.8 in.

Chlorides 40,000 P.P.M. Test Tool Length 22 ft. Tool Size 5/2 OD in.

Jars: Make Serial Number Anchor Length 44 ft. Size 5/2 OD in.

Did Well Flow? 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 x H in.

Blow: STRONG blow during 1st 35 min of RTF-P. Some decreasing during last 10 min of RTF-P. - 2" decreasing to 1" during final 7 P.

Recovered ft. of

Recovered 350' ft. of Muddy WATER.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Clocks stopped during TEST Clock # 6800

Clock # 6895

Time Set Packer(s) 8:42 AM P.M. Time Started Off Bottom 11:45 AM P.M. Maximum Temperature 109°

Initial Hydrostatic Pressure (A) 1794 P.S.I.

Initial Flow Period Minutes 45 (B) 122 P.S.I. to (C) 218 P.S.I.

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

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

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

Final Hydrostatic Pressure (H) 1754 P.S.I.

COMPANY TERMS

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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 Gene Cherhart

FIELD INVOICE

- Open Hole Test \$
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$

TOTAL \$

JUL 30 1980

**WESTERN TESTING CO., INC.**  
**Pressure Data**

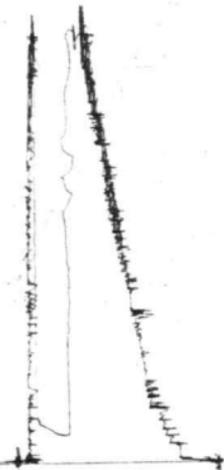
Date 7-27 Test Ticket No. 7007  
 Recorder No. 10207 Capacity 5400 Location 3358 Ft.  
 Clock No. — Elevation 1800 KB Well Temperature 109 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1800</u> P.S.I.	Open Tool	<u>8:42 P</u> M	
B First Initial Flow Pressure	<u>146</u> P.S.I.	First Flow Pressure	<u>45</u> Mins.	<u>50</u> Mins.
C First Final Flow Pressure	<u>222</u> P.S.I.	Initial Closed-in Pressure	<u>—</u> Mins.	<u>—</u> Mins.
D Initial Closed-in Pressure	<u>—</u> P.S.I.	Second Flow Pressure	<u>—</u> Mins.	<u>—</u> Mins.
E Second Initial Flow Pressure	<u>—</u> P.S.I.	Final Closed-in Pressure	<u>—</u> Mins.	<u>—</u> Mins.
F Second Final Flow Pressure	<u>—</u> P.S.I.			
G Final Closed-in Pressure	<u>—</u> P.S.I.			
H Final Hydrostatic Mud	<u>1759</u> P.S.I.			

**PRESSURE BREAKDOWN**

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>—</u> Inc.		Breakdown: <u>—</u> Inc.		Breakdown: <u>—</u> Inc.		Breakdown: <u>—</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>0</u>		<u>0</u>		<u>0</u>	
P 2	<u>5</u>	<u>3</u>		<u>5</u>		<u>3</u>	
P 3	<u>10</u>	<u>6</u>		<u>10</u>		<u>6</u>	
P 4	<u>15</u>	<u>9</u>		<u>15</u>		<u>9</u>	
P 5	<u>20</u>	<u>12</u>		<u>20</u>		<u>12</u>	
P 6	<u>25</u>	<u>15</u>		<u>25</u>		<u>15</u>	
P 7	<u>30</u>	<u>18</u>		<u>30</u>		<u>18</u>	
P 8	<u>35</u>	<u>21</u>		<u>35</u>		<u>21</u>	
P 9	<u>40</u>	<u>24</u>		<u>40</u>		<u>24</u>	
P10	<u>45</u>	<u>27</u>		<u>45</u>		<u>27</u>	
P11	<u>50</u>	<u>30</u>		<u>50</u>		<u>30</u>	
P12	<u>55</u>	<u>33</u>		<u>55</u>		<u>33</u>	
P13	<u>60</u>	<u>36</u>		<u>60</u>		<u>36</u>	
P14		<u>39</u>		<u>65</u>		<u>39</u>	
P15		<u>42</u>		<u>70</u>		<u>42</u>	
P16		<u>45</u>		<u>75</u>		<u>45</u>	
P17		<u>48</u>		<u>80</u>		<u>48</u>	
P18		<u>51</u>		<u>85</u>		<u>51</u>	
P19		<u>54</u>		<u>90</u>		<u>54</u>	
P20		<u>57</u>				<u>57</u>	
		<u>60</u>				<u>60</u>	

SKT # 7007  
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59k

Company P. V. Properties, Inc. Lease & Well No. McIntosh #1  
 Elevation 1800 Kelly Bushing Formation Conglomerate Effective Pay ----- Ft. Ticket No. 7007  
 Date 7-27-80 Sec. 3 Twp. 20s Range 10W County Rice State Kansas  
 Test Approved by Jim Musgrove Western Representative Gene Eberhart

Formation Test No. 3 Interval Tested from 3332 ft. to 3378 ft. Total Depth 3378 ft.  
 Packer Depth 3327 ft. Size 6 5/8 in. Packer Depth ----- ft. Size --- in.  
 Packer Depth 3332 ft. Size 6 5/8 in. Packer Depth ----- ft. Size --- in.

Depth of Selective Zone Set ----  
 Top Recorder Depth (Inside) 3355 ft. Recorder Number 969 Cap. 4200  
 Bottom Recorder Depth (Outside) 3358 ft. Recorder Number 10207 Cap. 5400  
 Below Straddle Recorder Depth ---- ft. Recorder Number ----- Cap. ----

Drilling Contractor DaMac Rig #1 Drill Collar Length 424 I. D. ---- in.  
 Mud Type Starch Viscosity 44 Weight Pipe Length ---- I. D. ---- in.  
 Weight 9.6 Water Loss 9.2 cc. Drill Pipe Length 2846 I. D. 3.8 in.  
 Chlorides 40,000 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 o.d. in.  
 Jars: Make ---- Serial Number ---- Anchor Length 46 ft. Size 5 1/2 o.d. in.  
 Did Well Flow? ---- 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 X.H. in.

Blow: Strong blow during first 35 minutes of Initial Flow Period. Some decrease during last 10 minutes of Initial Flow Period. Two inch blow decreasing to one inch blow during Final Flow Period.

Recovered ft. of  
 Recovered 350 ft. of Muddy Water  
 Recovered ft. of  
 Recovered ft. of  
 Recovered ft. of

Remarks: Clocks stopped during test. Clock # 6800 and #6895  
Read recorder # 10207

Time Set Packer(s) 8:42 ~~-A.M.-~~ P.M. Time Started Off Bottom 11:45 ~~-A.M.-~~ P.M. Maximum Temperature 109  
 Initial Hydrostatic Pressure ..... (A) 1800 P.S.I.  
 Initial Flow Period ..... Minutes 50 (B) 146 P.S.I. to (C) 222 P.S.I.  
 Initial Closed In Period ..... Minutes --- (D) --- P.S.I.  
 Final Flow Period ..... Minutes --- (E) --- P.S.I. to (F) --- P.S.I.  
 Final Closed In Period ..... Minutes --- (G) --- P.S.I.  
 Final Hydrostatic Pressure ..... (H) 1759 P.S.I.

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 7-27-80 Test Ticket No. 7007  
 Recorder No. 10207 Capacity 5400 Location 3358 Ft.  
 Clock No. ----- Elevation 1800 Kelly Bushing Well Temperature 109 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1800</u>	P.S.I.	<u>8:42 P.</u>	<u>M</u>
B First Initial Flow Pressure	<u>146</u>	P.S.I.	<u>45</u> Mins.	<u>50</u> Mins.
C First Final Flow Pressure	<u>222</u>	P.S.I.	<u>--</u> Mins.	<u>---</u> Mins.
D Initial Closed-in Pressure	<u>----</u>	P.S.I.	<u>--</u> Mins.	<u>---</u> Mins.
E Second Initial Flow Pressure	<u>----</u>	P.S.I.	<u>--</u> Mins.	<u>---</u> Mins.
F Second Final Flow Pressure	<u>----</u>	P.S.I.	<u>--</u> Mins.	<u>---</u> Mins.
G Final Closed-in Pressure	<u>----</u>	P.S.I.	<u>--</u> Mins.	<u>---</u> Mins.
H Final Hydrostatic Mud	<u>1759</u>	P.S.I.		

**PRESSURE BREAKDOWN**

First Flow Pressure Breakdown: <u>10</u> Inc. of <u>5</u> mins. and a final inc. of <u>--</u> Min.		Initial Shut-In Breakdown: <u>--</u> Inc. of <u>--</u> mins. and a final inc. of <u>--</u> Min.		Second Flow Pressure Breakdown: <u>--</u> Inc. of <u>--</u> mins. and a final inc. of <u>--</u> Min.		Final Shut-In Breakdown: <u>--</u> Inc. of <u>--</u> mins. and a final inc. of <u>--</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>0</u>						
P 2	<u>5</u>						
P 3	<u>10</u>						
P 4	<u>15</u>						
P 5	<u>20</u>						
P 6	<u>25</u>						
P 7	<u>30</u>						
P 8	<u>35</u>						
P 9	<u>40</u>						
P10	<u>45</u>						
P11	<u>50</u>						
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							