



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET NO 6181

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

Elevation Formation MISS. Eff. Pay Ft.

District PRATT Date 5-25-80 Customer Order No.

COMPANY NAME PATTON Oil Company

ADDRESS Suite 200-5660 S. Syracuse Blvd., Olathe, Kan.

LEASE AND WELL NO. Weisch #1 COUNTY Edwards STATE KS Sec. 9 Twp 26S Rge 16W

Mail Invoice To SAME WEISCH #1 Co. Name Address No. Copies Requested Reg

Mail Charts To SAME Address No. Copies Requested Reg

Formation Test No. 1 Interval Tested from 4398 ft. to 4442 ft. Total Depth 4442 ft. Packer Depth 4393 ft. Size 6 3/4 in. Packer Depth 4398 ft. Size 6 3/4 in. Packer Depth 4398 ft. Size 6 3/4 in. Packer Depth 4398 ft. Size 6 3/4 in. Depth of Selective Zone Set

Top Recorder Depth (Inside) 4402 ft. Recorder Number 2604 Cap. 4150 Bottom Recorder Depth (Outside) 4405 ft. Recorder Number 6246 Cap. 5200 Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Big Springs #1 Mud Type Drispac Viscosity 45 Weight 1.5 Water Loss 18 cc. Chlorides 30,000 P.P.M. Jars: Make Serial Number Did Well Flow? No Reversed Out No Drill Collar Length I. D. Weight Pipe Length I. D. Drill Pipe Length 4378 I. D. 3.8 Test Tool Length 20 ft. Tool Size 5 1/2 O.D. in. Anchor Length 44 ft. Size 5 1/2 O.D. in. 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 FH in.

Blow: Moderate Blow thru both flow periods

Recovered 20 ft. of Gas cut Drlg. mud Recovered ft. of Recovered ft. of Recovered ft. of Recovered ft. of Recovered ft. of Remarks:

ON LOCATION 10:00 A.M. - Pick up Tool 11:00 A.M. OFF LOCATION 6:00 P.M.

Table with 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 Robert C. Anthony Signature of Customer or his authorized representative

Western Representative Dave Sloan Thank you

FIELD INVOICE

Table with columns: Item, Amount. Items include Open Hole Test (\$600.00), Miscrun, Straddle Test, Jars, Selective Zone, Safety Joint, Standby, Evaluation, Extra Packer, Circ. Sub., Mileage (35 x 25¢ = \$8.75), Fluid Sampler, Extra Charts, TOTAL (\$626.25).

WESTERN TESTING CO., INC.

Pressure Data

Date 5-25-80 Test Ticket No. 6181
 Recorder No. 2604 Capacity 4150 Location 4402 Ft.
 Clock No. _____ Elevation _____ Well Temperature 130 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2302</u>	P.S.I.	<u>12/25 P</u>	M
B First Initial Flow Pressure	<u>45</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
C First Final Flow Pressure	<u>28</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>305</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>45</u> Mins.
F Second Final Flow Pressure	<u>33</u>	P.S.I.		
G Final Closed-in Pressure	<u>209</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2190</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>29</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>45</u>	0	<u>28</u>	0	<u>51</u>	0	<u>33</u>
P 2	<u>38</u>	3	<u>35</u>	5	<u>45</u>	3	<u>42</u>
P 3	<u>29</u>	6	<u>45</u>	10	<u>36</u>	6	<u>52</u>
P 4	<u>28</u>	9	<u>53</u>	15	<u>33</u>	9	<u>63</u>
P 5		12	<u>67</u>	20		12	<u>74</u>
P 6		15	<u>81</u>	25		15	<u>85</u>
P 7		18	<u>101</u>	30		18	<u>98</u>
P 8		21 <u>120</u>	100	35		21	<u>111</u>
P 9		24	<u>138</u>	40		24	<u>125</u>
P10	<u>28</u>	27	<u>157</u>	45	<u>33</u>	27	<u>138</u>
P11		30	<u>173</u>	50		30	<u>152</u>
P12		33	<u>194</u>	55		33	<u>164</u>
P13		36	<u>218</u>	60		36	<u>176</u>
P14		39	252 <u>245</u>	65		39	<u>185</u>
P15		42	<u>269</u>	70		42	<u>197</u>
P16		45	<u>305</u>	75		45	<u>209</u>
P17		48		80		48	
P18		51		85		51	
P19		54		90		54	
P20		57				57	
		60				60	

Company Patton Oil Company Lease & Well No. Welsch #1
 Elevation ---- Formation Mississippi Effective Pay ---- Ft. Ticket No. 6181
 Date 5/25/80 Sec. 9 Twp. 26S Range 16W County Edwards State Kansas
 Test Approved by Robert C. Armstrong Western Representative Dave Sloan

Formation Test No. 1 Interval Tested from 4398 ft. to 4442 ft. Total Depth 4442 ft.
 Packer Depth 4393 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4398 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4402 ft. Recorder Number 2604 Cap. 4150
 Bottom Recorder Depth (Outside) 4405 ft. Recorder Number 6246 Cap. 5200
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Big Springs Drilling Rig #1 Drill Collar Length - I. D. - in.
 Mud Type drispac Viscosity 45 Weight Pipe Length - I. D. - in.
 Weight 9.5 Water Loss 18 cc. Drill Pipe Length 4378 I. D. 3.8 in.
 Chlorides 30,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.
 Jars: Make - Serial Number - Anchor Length 44 ft. Size 5 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 FH in.

Blow: Moderate blow through both flow periods.

Recovered 20 ft. of gas cut drilling mud
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s)	<u>12:25</u>	AM P.M.	Time Started Off Bottom	<u>3:25</u>	AM P.M.	Maximum Temperature	<u>120°</u>
Initial Hydrostatic Pressure			(A)	<u>2302</u>	P.S.I.		
Initial Flow Period	Minutes	<u>45</u>	(B)	<u>45</u>	P.S.I. to (C)	<u>28</u>	P.S.I.
Initial Closed In Period	Minutes	<u>45</u>	(D)	<u>305</u>	P.S.I.		
Final Flow Period	Minutes	<u>45</u>	(E)	<u>51</u>	P.S.I. to (F)	<u>33</u>	P.S.I.
Final Closed In Period	Minutes	<u>45</u>	(G)	<u>209</u>	P.S.I.		
Final Hydrostatic Pressure			(H)	<u>2190</u>	P.S.I.		

WESTERN TESTING CO., INC.
Pressure Data

Date 5/25/80 Test Ticket No. 6181
 Recorder No. 2604 Capacity 4150 Location 4402 Ft.
 Clock No. - Elevation - Well Temperature 120 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2302</u> P.S.I.	Open Tool	<u>12:25P</u> M	
B First Initial Flow Pressure	<u>45</u> P.S.I.	First Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
C First Final Flow Pressure	<u>28</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>305</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>45</u> Mins.
F Second Final Flow Pressure	<u>33</u> P.S.I.			
G Final Closed-in Pressure	<u>209</u> P.S.I.			
H Final Hydrostatic Mud	<u>2190</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: 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 <u>0</u>	<u>45</u>	<u>0</u>	<u>28</u>	<u>0</u>	<u>51</u>	<u>0</u>	<u>33</u>
P 2 <u>5</u>	<u>38</u>	<u>3</u>	<u>35</u>	<u>5</u>	<u>45</u>	<u>3</u>	<u>42</u>
P 3 <u>10</u>	<u>29</u>	<u>6</u>	<u>45</u>	<u>10</u>	<u>36</u>	<u>6</u>	<u>52</u>
P 4 <u>15</u>	<u>28</u>	<u>9</u>	<u>53</u>	<u>15</u>	<u>33</u>	<u>9</u>	<u>63</u>
P 5 <u>20</u>	<u>28</u>	<u>12</u>	<u>67</u>	<u>20</u>	<u>33</u>	<u>12</u>	<u>74</u>
P 6 <u>25</u>	<u>28</u>	<u>15</u>	<u>81</u>	<u>25</u>	<u>33</u>	<u>15</u>	<u>85</u>
P 7 <u>30</u>	<u>28</u>	<u>18</u>	<u>101</u>	<u>30</u>	<u>33</u>	<u>18</u>	<u>98</u>
P 8 <u>35</u>	<u>28</u>	<u>21</u>	<u>130</u>	<u>35</u>	<u>33</u>	<u>21</u>	<u>111</u>
P 9 <u>40</u>	<u>28</u>	<u>24</u>	<u>148</u>	<u>40</u>	<u>33</u>	<u>24</u>	<u>125</u>
P10 <u>45</u>	<u>28</u>	<u>27</u>	<u>157</u>	<u>45</u>	<u>33</u>	<u>27</u>	<u>138</u>
P11		<u>30</u>	<u>173</u>			<u>30</u>	<u>152</u>
P12		<u>33</u>	<u>194</u>			<u>33</u>	<u>164</u>
P13		<u>36</u>	<u>218</u>			<u>36</u>	<u>176</u>
P14		<u>39</u>	<u>245</u>			<u>39</u>	<u>185</u>
P15		<u>42</u>	<u>269</u>			<u>42</u>	<u>197</u>
P16		<u>45</u>	<u>305</u>			<u>45</u>	<u>209</u>
P17							
P18							
P19							
P20							

