

Company Hoppe Oil & Gas Company Lease & Well No. Winfield "A" #1  
 Elevation 1277 Kelly Bushing Cattleman Formation Effective Pay - Ft. Ticket No. 7803  
 Date 10-25-80 Sec. 22 Twp. 31S Range 5E County Cowley State Kansas  
 Test Approved by J. Hoppe Western Representative Allen Edgington

Formation Test No. 1 Interval Tested from 2818 ft. to 2852 ft. Total Depth 2852 ft.  
 Packer Depth 2813 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Packer Depth 2818 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 2844 ft. Recorder Number 3354 Cap. 4200  
 Bottom Recorder Depth (Outside) 2847 ft. Recorder Number 10980 Cap. 4200  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Flint Hills Drilling #1 Drill Collar Length 280 I. D. 2 1/4 in.  
 Mud Type Chemical Viscosity 44 Weight Pipe Length - I. D. - in.  
 Weight 9.6 Water Loss 12.8 cc. Drill Pipe Length 2531 I. D. 3.8 in.  
 Chlorides 1300 P.P.M. Test Tool Length 20 ft. Tool Size 4 1/2 OD in.  
 Jars: Make No Serial Number - Anchor Length 34 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: Very weak blow for 15 minutes.

Recovered 5 ft. of drilling mud  
 Recovered     ft. of      
 Recovered     ft. of      
 Recovered     ft. of      
 Recovered     ft. of    

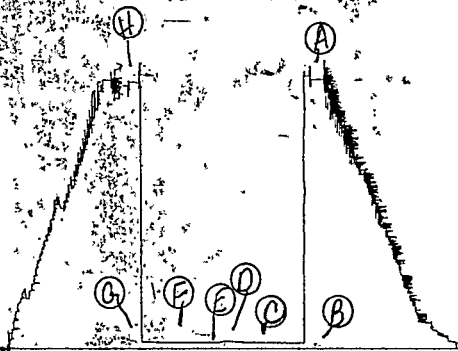
Remarks:    

Time Set Packer(s) 2:30 ~~P.M.~~ <sup>A.M.</sup> Time Started Off Bottom 4:30 ~~P.M.~~ <sup>A.M.</sup> Maximum Temperature 110  
 Initial Hydrostatic Pressure ..... (A) 1432 P.S.I.  
 Initial Flow Period ..... Minutes 30 (B) 34 P.S.I. to (C) 34 P.S.I.  
 Initial Closed In Period ..... Minutes 30 (D) 45 P.S.I.  
 Final Flow Period ..... Minutes 30 (E) 38 P.S.I. to (F) 38 P.S.I.  
 Final Closed In Period ..... Minutes 30 (G) 43 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 1417 P.S.I.

TK # 7803

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3354



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

Date 10/25/80 Recorder No. 3354 Capacity 4200 Test Ticket No. 7803  
 Clock No. ---- Elevation 1277 Kelly Bushing Location 2852 Ft. Well Temperature 110 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1432</u>	P.S.I.	<u>2:30</u> A M	
B First Initial Flow Pressure	<u>34</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>34</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>45</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>38</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>38</u>	P.S.I.		
G Final Closed-in Pressure	<u>43</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1417</u>	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: 6 Inc.  
 of 5 mins. and a  
 final inc. of 0 Min.

**Final Shut-In**  
 Breakdown: 10 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>34</u>	<u>0</u>	<u>34</u>	<u>0</u>	<u>38</u>	<u>0</u>	<u>38</u>
P 2	<u>5</u>	<u>34</u>	<u>3</u>	<u>35</u>	<u>5</u>	<u>38</u>	<u>3</u>	<u>38</u>
P 3	<u>10</u>	<u>34</u>	<u>6</u>	<u>36</u>	<u>10</u>	<u>38</u>	<u>6</u>	<u>39</u>
P 4	<u>15</u>	<u>34</u>	<u>9</u>	<u>37</u>	<u>15</u>	<u>38</u>	<u>9</u>	<u>40</u>
P 5	<u>20</u>	<u>34</u>	<u>12</u>	<u>38</u>	<u>20</u>	<u>38</u>	<u>12</u>	<u>40</u>
P 6	<u>25</u>	<u>34</u>	<u>15</u>	<u>40</u>	<u>25</u>	<u>38</u>	<u>15</u>	<u>41</u>
P 7	<u>30</u>	<u>34</u>	<u>18</u>	<u>41</u>	<u>30</u>	<u>38</u>	<u>18</u>	<u>41</u>
P 8			<u>21</u>	<u>42</u>			<u>21</u>	<u>42</u>
P 9			<u>24</u>	<u>43</u>			<u>24</u>	<u>42</u>
P10			<u>27</u>	<u>44</u>			<u>27</u>	<u>43</u>
P11			<u>30</u>	<u>45</u>			<u>30</u>	<u>43</u>
P12								
P13								
P14								
P15								
P16								
P17								
P18								
P19								
P20								



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET NO 7803

P. O. BOX 1599 PHONE (316) 262-5861 WICHITA, KANSAS 67201

Elevation 1277 Kelly KB Shoring Formation CATTLEMAN Eff. Pay Ft.

District Augusta Date 10-25-80 Customer Order No.

COMPANY NAME Hoppe Oil & Gas Co.

ADDRESS 2400 N. Woodlawn Suite 211 Wichita, Ks. 67220

LEASE AND WELL NO Winfield 'A' COUNTY Cowley STATE Kans Sec 22 Twp 31 S Rge 5E

Mail Invoice To Winfield 'A' #1 Same No. Copies Requested 1

Mail Charts To Same Address No. Copies Requested 5

Formation Test No. 1 Interval Tested from 2818 ft. to 2852 ft. Total Depth 2852 ft.

Packer Depth 2813 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 2818 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 2844 ft. Recorder Number 3354 Cap. 4200

Bottom Recorder Depth (Outside) 2847 ft. Recorder Number 10980 Cap. 4200

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

Drilling Contractor Flint Hills DRUG #1 Drill Collar Length 280 I. D. 2 1/4 in.

Mud Type Chem Viscosity 44 Weight Pipe Length - I. D. - in.

Weight 9.6 Water Loss 12.8 cc. Drill Pipe Length 2531 I. D. 3.8 in.

Chlorides 1300 P.P.M. Test Tool Length 20 ft. Tool Size 00 4 1/2 in.

Jars: Make NO Serial Number - Anchor Length 34 ft. Size 00 4 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 in.

Blow: Very Weak 15 min

Recovered 5 ft. of DRILLING MUD

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time On Location 10-24 11:00 P.M. Time Pick Up Tool 10-25 12:00 mid A.M.

Time Set Packer(s) 10-25 2:30 A.M. Time Started Off Bottom 4:30 A.M. Time Off Location 8:45 A.M.

Initial Hydrostatic Pressure (A) 1424 P.S.I. Maximum Temperature 110°

Initial Flow Period Minutes 30 (B) 31 P.S.I. to (C) 31 P.S.I.

Initial Closed In Period Minutes 30 (D) 40 P.S.I.

Final Flow Period Minutes 30 (E) 31 P.S.I. to (F) 31 P.S.I.

Final Closed In Period Minutes 30 (G) 31 P.S.I.

Final Hydrostatic Pressure (H) 1407 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] Allen Edgington

FIELD INVOICE

Table with 2 columns: Item, Amount. Includes Open Hole Test (\$550.00), Mileage (\$26.25), and TOTAL (\$576.25).

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

Date 10-25-80 Test Ticket No. 7803  
 Recorder No. 3354 Capacity 4210 Location 2852 Ft.  
 Clock No. \_\_\_\_\_ Elevation 1277 KB Well Temperature 110 °F

Point	Pressure	P.S.I.	Open Tool	Time Given	Time Computed
A. Initial Hydrostatic Mud	<u>1432</u>	P.S.I.	Open Tool	<u>2:30 A</u>	M
B First Initial Flow Pressure	<u>34</u>	P.S.I.	First Flow Pressure	<u>30</u>	Mins. <u>30</u> Mins.
C First Final Flow Pressure	<u>34</u>	P.S.I.	Initial Closed-in Pressure	<u>30</u>	Mins. <u>30</u> Mins.
D Initial Closed-in Pressure	<u>45</u>	P.S.I.	Second Flow Pressure	<u>30</u>	Mins. <u>30</u> Mins.
E Second Initial Flow Pressure	<u>38</u>	P.S.I.	Final Closed-in Pressure	<u>30</u>	Mins. <u>30</u> Mins.
F Second Final Flow Pressure	<u>38</u>	P.S.I.			
G Final Closed-in Pressure	<u>43</u>	P.S.I.			
H Final Hydrostatic Mud	<u>1417</u>	P.S.I.			

**PRESSURE BREAKDOWN**

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>10</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>34</u>	<u>0</u>	<u>38</u>	<u>0</u>	<u>38</u>
P 2	<u>5</u>	<u>3</u>	<u>35</u>	<u>5</u>	<u>38</u>	<u>3</u>	<u>38</u>
P 3	<u>10</u>	<u>6</u>	<u>36</u>	<u>10</u>	<u>38</u>	<u>6</u>	<u>39</u>
P 4	<u>15</u>	<u>9</u>	<u>37</u>	<u>15</u>	<u>38</u>	<u>9</u>	<u>40</u>
P 5	<u>20</u>	<u>12</u>	<u>38</u>	<u>20</u>	<u>38</u>	<u>12</u>	<u>40</u>
P 6	<u>25</u>	<u>15</u>	<u>40</u>	<u>25</u>	<u>38</u>	<u>15</u>	<u>41</u>
P 7	<u>30</u>	<u>18</u>	<u>41</u>	<u>30</u>	<u>38</u>	<u>18</u>	<u>41</u>
P 8	<u>35</u>	<u>21</u>	<u>42</u>	<u>35</u>		<u>21</u>	<u>42</u>
P 9	<u>40</u>	<u>24</u>	<u>43</u>	<u>40</u>		<u>24</u>	<u>42</u>
P10	<u>45</u>	<u>27</u>	<u>44</u>	<u>45</u>		<u>27</u>	<u>43</u>
P11	<u>50</u>	<u>30</u>	<u>45</u>	<u>50</u>		<u>30</u>	<u>43</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>	