



WESTERN TESTING CO., INC.  
FORMATION TESTING

TICKET No 1336

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

Elevation 1434 DF Formation Krider Eff. Pay \_\_\_\_\_ Ft.

District Pratt Date 4-14-79 Customer Order No. \_\_\_\_\_

COMPANY NAME Rains & Williamson Oil Co. Inc

ADDRESS 435 Page Court 220 West Douglas Wichita Kansas 67202

LEASE AND WELL NO. Thompson #1 COUNTY Kingman STATE KANSAS Sec. 11 Twp. 30S Rge. 2W

Mail Invoice To \_\_\_\_\_ Co. Name SAMC Address \_\_\_\_\_ No. Copies Requested 5

Mail Charts To \_\_\_\_\_ Co. Name Same Address \_\_\_\_\_ No. Copies Requested 5

Formation Test No. #1 Interval Tested from 1260 ft. to 1305 ft. Total Depth 1305 ft.

Packer Depth 1255 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Packer Depth 1260 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 1262 ft. Recorder Number 969 Cap. 4200

Bottom Recorder Depth (Outside) 1265 ft. Recorder Number 1051 Cap. 4250

Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_

Drilling Contractor Comp Tool Rig

Drill Collar Length 371 I. D. 2 1/4 in.

Mud Type NATIVE Viscosity 27

Weight Pipe Length \_\_\_\_\_ I. D. \_\_\_\_\_ in.

Weight 10.0 Water Loss NC cc.

Drill Pipe Length 868 I. D. 3.8 in.

Chlorides 105,000 P.P.M.

Test Tool Length 21 in. Tool Size 5600 in.

Jars: Make \_\_\_\_\_ Serial Number \_\_\_\_\_

Anchor Length 45 ft. Size 5600 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: Weak First Flow Period - Weak Second Flow Period

Recovered 63 ft. of mud

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

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

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

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

Remarks: Hit two bridges 9-10 standy out and slid tool 15 ft to bottom

Time Set Packer(s) 9:18 <sup>AM</sup>/<sub>PM</sub> Time Started Off Bottom 12:03 <sup>AM</sup>/<sub>PM</sub> Maximum Temperature 86°

Initial Hydrostatic Pressure \_\_\_\_\_ (A) 696 P.S.I.

Initial Flow Period \_\_\_\_\_ Minutes 30 (B) 40 P.S.I. to (C) 40 P.S.I.

Initial Closed In Period \_\_\_\_\_ Minutes 30 (D) 112 P.S.I.

Final Flow Period \_\_\_\_\_ Minutes 60 (E) 51 P.S.I. to (F) 61 P.S.I.

Final Closed In Period \_\_\_\_\_ Minutes 45 (G) 225 P.S.I.

Final Hydrostatic Pressure \_\_\_\_\_ (H) 676 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.

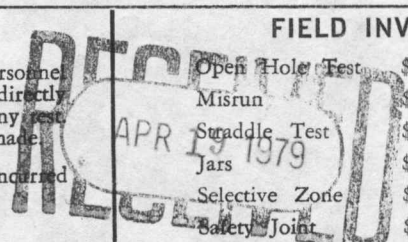
Test Approved By Charles D. Slagle  
Signature of Customer or his authorized representative

Western Representative Ron Emmons Thank You.

FIELD INVOICE

Open Hole Test \$ 440.00  
Miscellaneous \$ \_\_\_\_\_  
Straddle Test \$ \_\_\_\_\_  
Jars \$ \_\_\_\_\_  
Selective Zone \$ \_\_\_\_\_  
Safety Joint \$ \_\_\_\_\_  
Standby \$ \_\_\_\_\_  
Evaluation \$ \_\_\_\_\_  
Extra Packer \$ 150.00  
Circ. Sub. \$ \_\_\_\_\_  
Mileage \$ \_\_\_\_\_  
Extra Charts \$ \_\_\_\_\_

TOTAL \$ 590.00



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

Date 4-14-78 Test Ticket No. 1336  
 Recorder No. 969 Capacity 4200 Location 1262 Ft.  
 Clock No. \_\_\_\_\_ Elevation 1434 D.F. Well Temperature 86 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>705</u>	P.S.I.	<u>9:14</u> P M	
B First Initial Flow Pressure	<u>41</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>47</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>98</u>	P.S.I.	<u>60</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>61</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>57</u>	P.S.I.		
G Final Closed-in Pressure	<u>221</u>	P.S.I.		
H Final Hydrostatic Mud	<u>684</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: 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>41</u>	0	<u>47</u>	0	<u>61</u>	0	<u>57</u>
P 2	<u>43</u>	3	<u>51</u>	5	<u>57</u>	3	<u>61</u>
P 3	<u>43</u>	6	<u>57</u>	10	<u>57</u>	6	<u>72</u>
P 4	<u>45</u>	9	<u>63</u>	15	<u>57</u>	9	<u>82</u>
P 5	<u>46</u>	12	<u>70</u>	20	<u>57</u>	12	<u>90</u>
P 6	<u>47</u>	15	<u>75</u>	25	<u>57</u>	15	<u>104</u>
P 7	<u>47</u>	18	<u>79</u>	30	<u>57</u>	18	<u>115</u>
P 8	<u>35</u>	21	<u>84</u>	35	<u>57</u>	21	<u>126</u>
P 9	<u>40</u>	24	<u>88</u>	40	<u>57</u>	24	<u>138</u>
P 10	<u>45</u>	27	<u>93</u>	45	<u>57</u>	27	<u>149</u>
P 11	<u>50</u>	30	<u>98</u>	<u>50</u>		30	<u>160</u>
P 12	<u>55</u>	<u>33</u>		<u>55</u>		33	<u>172</u>
P 13	<u>60</u>	<u>36</u>		<u>60</u>		36	<u>184</u>
P 14		<u>39</u>		<u>65</u>		39	<u>197</u>
P 15		<u>42</u>		<u>70</u>		42	<u>109</u>
P 16		<u>45</u>		<u>75</u>		45	<u>221</u>
P 17		<u>48</u>		<u>80</u>		<u>48</u>	
P 18		<u>51</u>		<u>85</u>		<u>51</u>	
P 19		<u>54</u>		<u>90</u>		<u>54</u>	
P 20		<u>57</u>				<u>57</u>	
		<u>60</u>				<u>60</u>	

Company Rains & Williamson Oil Co., Inc. Lease & Well No. Thompson #1  
 Elevation 1434 Derrick Floor Formation Krider Effective Pay -- Ft. Ticket No. 1336  
 Date 4/14/79 Sec. 11 Twp. 30S Range 7W County Kingman State Kansas  
 Test Approved by Charles I. Slagle Western Representative Ron Emmons

Formation Test No. 1 Interval Tested from 1260' ft. to 1305' ft. Total Depth 1305' ft.  
 Packer Depth 1255' ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Packer Depth 1260' ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Depth of Selective Zone Set --

Top Recorder Depth (Inside) 1262 ft. Recorder Number 969 Cap. 4200  
 Bottom Recorder Depth (Outside) 1265 ft. Recorder Number 1051 Cap. 4250  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Rains & Williamson Rig Drill Collar Length 371 I. D. 2 1/4 in.  
 Mud Type native Viscosity 27 Weight Pipe Length - I. D. - in.  
 Weight 10.0 Water Loss N/C cc. Drill Pipe Length 868' I. D. 3.8 in.  
 Chlorides 105,000 P.P.M. Test Tool Length 21' #FF Tool Size 5 1/2 OD in.  
 Jars: Make -- Serial Number -- Anchor Length 45' 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: Weak first flow period. Weak second flow period.

Recovered 63 ft. of mud  
 Recovered          ft. of           
 Recovered          ft. of           
 Recovered          ft. of           
 Recovered          ft. of         

Remarks: Hit bridge 9-10 stands out and slid tool 15 feet to bottom.

Time Set Packer(s)	<u>9:18</u>	<del>A.M.</del> P.M.	Time Started Off Bottom	<u>12:03</u>	<del>A.M.</del> P.M.	Maximum Temperature	<u>86</u>
Initial Hydrostatic Pressure			(A)	<u>705</u>		P.S.I.	
Initial Flow Period		Minutes	<u>30</u>	(B)	<u>41</u>	P.S.I. to (C)	<u>47</u> P.S.I.
Initial Closed In Period		Minutes	<u>30</u>	(D)	<u>98</u>	P.S.I.	
Final Flow Period		Minutes	<u>60</u>	(E)	<u>61</u>	P.S.I. to (F)	<u>57</u> P.S.I.
Final Closed In Period		Minutes	<u>45</u>	(G)	<u>221</u>	P.S.I.	
Final Hydrostatic Pressure			(H)	<u>684</u>		P.S.I.	

# WESTERN TESTING CO., INC.

## Pressure Data

1336

Date 4/ 14/79 Test Ticket No. \_\_\_\_\_  
 Recorder No. 969 Capacity 4200 Location 1262 Ft.  
 Clock No. -- Elevation 1434 Derrick Floor Well Temperature 86 °F

Point	Pressure			Time Given	Time Computed
		P.S.I.			
A Initial Hydrostatic Mud	705	P.S.I.	Open Tool	9:18P	M
B First Initial Flow Pressure	41	P.S.I.	First Flow Pressure	30	Mins. 30 Mins.
C First Final Flow Pressure	47	P.S.I.	Initial Closed-in Pressure	30	Mins. 30 Mins.
D Initial Closed-in Pressure	98	P.S.I.	Second Flow Pressure	60	Mins. 45 Mins.
E Second Initial Flow Pressure	61	P.S.I.	Final Closed-in Pressure	45	Mins. 45 Mins.
F Second Final Flow Pressure	57	P.S.I.			
G Final Closed-in Pressure	221	P.S.I.			
H Final Hydrostatic Mud	684	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.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	0	41	0	47	0	61	0	57
P 2	5	43	3	51	5	57	3	61
P 3	10	43	6	57	10	57	6	72
P 4	15	45	9	63	15	57	9	82
P 5	20	46	12	70	20	57	12	90
P 6	25	47	15	75	25	57	15	104
P 7	30	47	18	79	30	57	18	115
P 8			21	84	35	57	21	126
P 9			24	88	40	57	24	138
P 10			27	93	45	57	27	149
P 11			30	98		57	30	160
P 12							33	172
P 13							36	184
P 14							39	197
P 15							42	109
P 16							45	221
P 17								
P 18								
P 19								
P 20								

Tkt # 1336  
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