



P. O. BOX 793 PHONE 793-7903
GREAT BEND, KANSAS

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET 25127

Formation Simpson Elevation 1255 KB Eff. Pay _____ Ft.

District Augusta Date 7-1-76 Customer Order No. _____

COMPANY NAME Rains + Williamson Oil Co., Inc.

ADDRESS 435 Page Court Wichita, Kansas

LEASE AND WELL NO. Perich #1 COUNTY Sumner STATE Kan. Sec. 5 Twp. 33S Rge. 1W

Mail Inv. To same Co. Name _____ Address _____ No. Copies Requested _____

Mail Charts To same Address _____ No. Copies Requested _____

Formation Test No. 1 O.K. X Misrun _____ Interval Tested From 4288 to 4298 Total Depth 4298

Size Main Hole 7 7/8 Rat Hole _____ Conv. _____ B.T. X Damaged _____ Yes X No Conv. X B.T. _____ Damaged X Yes _____ No

Top Packer Depth 4283 Ft. Size 6 3/4 Bottom Packer Depth 4288 Ft. Size 6 3/4

Straddle _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No Packer Depth _____ Ft. Size _____

Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 10 Ft. Size 5 1/2 OD Surface Choke Size 3 In. Bottom Choke Size 3 In.

RECORDERS Depth 4291 Ft. Clock No. 6866 Depth 4294 Ft. Clock No. 6896

Top Make Kuster Cap. 3150 No. 1562 Inside _____ Outside _____ Bottom Make Kuster Cap. 4500 No. 3085 Inside _____ Outside _____

Below Straddle: Depth _____ Rec. No. _____ Clock No. _____ Inside _____ Outside _____

Time Set Packer 4:58 P M

Tool Open I.F.P. From 5:00 M. to 5:30 M. _____ Hr. 30 Min. From (B) 15 13 P.S.I. To (C) 31 33 P.S.I.

Tool Closed I.C.I.P. From 5:30 M. to 6:00 M. _____ Hr. 30 Min. (D) 1436 1946 P.S.I.

Tool Open F.F.P. From 6:00 M. to 7:00 M. _____ Hr. 60 Min. From (E) 4755 P.S.I. To (F) 78 86 P.S.I.

Tool Closed F.C.I.P. From 7:00 M. to 7:30 M. _____ Hr. 30 Min. (G) 1405 1405 P.S.I.

Initial Hydrostatic Pressure (A) 2368 P.S.I. Final Hydrostatic Pressure (H) 2255 P.S.I. Maximum Temp. 118

INFORMATION

BLOW 2" blow first open, 5" blow at the end of second blow.

Did Well Flow Yes X No _____ Recovery Total Ft. 78 60' thin and salty mud, 120' muddy salt water.

Reversed Out Yes X No _____ Mud Type starch Viscosity 44 Weight 9.5 Water Loss 9.6 cc. Chlorides 29,000

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint _____ Jars: Size _____ In. Make _____ Ser. No. _____

Dual Packers yes Did Packers Hold? yes Did Tool Plug? _____ Where? _____

DRILLING CONTRACTOR Rains + Williamson Length Drill Pipe 3998 ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe _____ ft. I.D. Weight Pipe _____ In. Tool Joint Size _____ In. Length Drill Collars 270 ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4 1/2 In. Length D.S.T. Tool 30 ft.

Remarks _____
RECEIVED
JUL 5 1976
RECEIVED

COMPANY TERMS

Western Testing Co., Inc., shall not be liable for damage 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, or 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 10% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Don Shaver Western Representative Roy Penellay
Signature of Customer or his Authorized Representative Operator's Time Thank You Hrs.

INVOICE SECTION

Open Hole Test	\$ <u>390.00</u>
Straddle Test	\$ _____
Jars	\$ _____
Selective Zone	\$ _____
Safety Joint	\$ _____
Misrun	\$ _____
Evaluation	\$ _____
Packer	\$ _____
Circ. Sub.	\$ _____
Total	\$ <u>390.00</u>

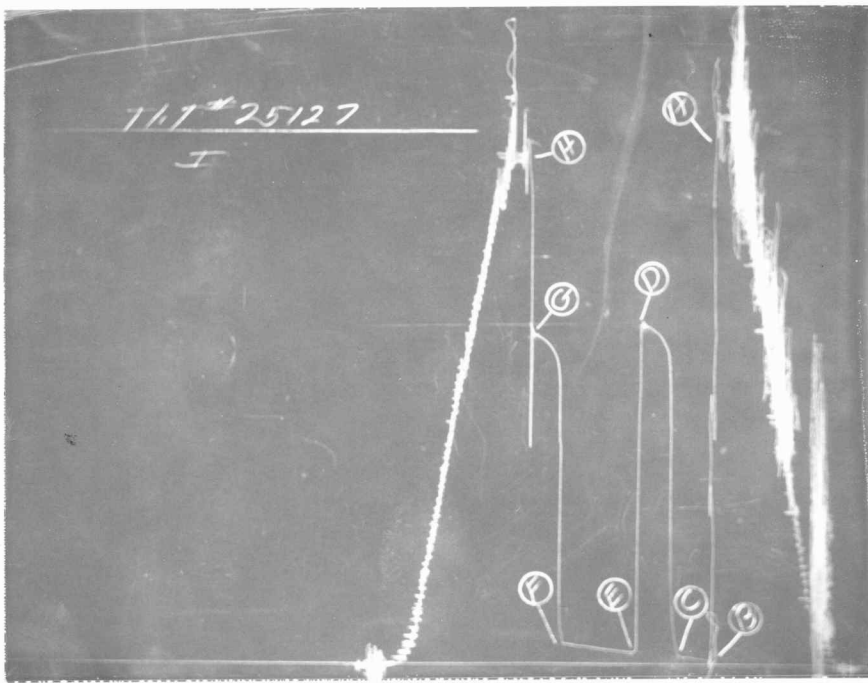
WESTERN TESTING CO., INC.

Pressure Data

Date 7-1-76 Test Ticket No. 25127
 Recorder No. 1562 Capacity 3150 Location 4291
 Block No. 6866 Elevation 1255' 13" Well Temperature 118
 Point Pressure Time Given Time Computed
 A Initial Hydrostatic Mud 2202 P.S.I. Open Tool 4:58 P M
 B First Initial Flow Pressure 13 P.S.I. First Flow Pressure 30 Mins. 25 Min.
 C First Final Flow Pressure 33 P.S.I. Initial Closed-in Pressure 30 Mins. 30 Min.
 D Initial Closed-in Pressure 1446 P.S.I. Second Flow Pressure 60 Mins. 60 Min.
 E Second Initial Flow Pressure 55 P.S.I. Final Closed-in Pressure 30 Mins. 24 Min.
 F Second Final Flow Pressure 86 P.S.I.
 G Final Closed-in Pressure 1405 P.S.I.
 H Final Hydrostatic Mud 2168 P.S.I.

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>5</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>8</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 0	<u>13</u>	0	<u>30</u>	0	<u>55</u>	0	<u>86</u>
P 2 5	<u>19</u>	3	<u>101</u>	5	<u>51</u>	3	<u>249</u>
P 3 10	<u>24</u>	6	<u>334</u>	10	<u>53</u>	6	<u>1304</u>
P 4 15	<u>27</u>	9	<u>1348</u>	15	<u>57</u>	9	<u>1337</u>
P 5 20	<u>31</u>	12	<u>1381</u>	20	<u>60</u>	12	<u>1361</u>
P 6 25	<u>33</u>	15	<u>1402</u>	25	<u>63</u>	15	<u>1376</u>
P 7 30		18	<u>1416</u>	30	<u>68</u>	18	<u>1389</u>
P 8 35		21	<u>1432</u>	35	<u>71</u>	21	<u>1398</u>
P 9 40		24	<u>1438</u>	40	<u>75</u>	24	<u>1405</u>
P 10 45		27	<u>1444</u>	45	<u>77</u>	27	
P 11 50		30	<u>1446</u>	50	<u>82</u>	30	
P 12 55		33		55	<u>84</u>	33	
P 13 60		36		60	<u>86</u>	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	
WTC - 4		60				60	





INC.

P. O. Box 1599

Wichita, Kansas 67201

Company Rains & Williamson Oil Co., Inc. Lease & Well No. Rerich #1
Elevation 1255 Kelly Bush. Formation Simpson Effective Pay - Ft. Ticket No. 25127
Date 7-1-76 Sec. 5 Twp. 33S Range 1W County Sumner State Kansas
Test Approved by Don Shawver Western Representative Roy Pendlay
Formation Test No. 1 O.K. ☒ Misrun ☐ Interval Tested From 4288' to 4298' Total Depth 4298'
Size Main Hole 7 7/8 Rat Hole ☐ Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No
Top Packer Depth 4283 Ft. Size 6 3/4 Bottom Packer Depth 4288 Ft. Size 6 3/4
Straddle ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No Packer Depth ☐ Ft. Size ☐
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 10 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 4291 Ft. Clock No. 6866 Depth 4294 Ft. Clock No. 6896
Top Make Kuster Cap. 3150 No. 1562 Inside ☐ Outside ☐ Bottom Make Kuster Cap. 4500 No. 3085 Inside ☐ Outside ☐
Below Straddle: Depth ☐ Rec. No. ☐ Clock No. ☐ Inside ☐ Outside ☐ Depth ☐ Ft. Rec. No. ☐ Clock No. ☐ Inside ☐ Outside
Time Set Packer 4:58P. M
Tool Open I.F.P. From 5:00P M. to 5:30P M. - Hr. 30 Min. From (B) 13 P.S.I. To (C) 33 P.S.I.
Tool Closed I.C.I.P. From 5:30 M. to 6:00P M. - Hr. 30 Min (D) 1446 P.S.I.
Tool Open F.F.P. From 6:00P M. to 7:00P M. - Hr. 60 Min. From (E) 55 P.S.I. To (F) 86 P.S.I.
Tool Closed F.C.I.P. From 7:00P M. to 7:30P M. - Hr. 30 Min. (G) 1405 P.S.I.
Initial Hydrostatic Pressure (A) 2202 P.S.I. Final Hydrostatic Pressure (H) 2168 P.S.I. Maximum Temp. 118

INFORMATION

BLOW 2" blow during initial flow period. 5" blow at the end of the final flow period.Did Well Flow ☐ Yes ☒ No Recovery Total Ft. 60' of thin and salty mud, 120' of muddy salt water.

Reversed Out ☐ Yes ☒ No Mud Type Starch Viscosity 44 Weight 9.5 Water Loss 9.6 cc. Chlorides 29,000 P.P.M.
EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint ☐ Jars: Size ☐ In. Make ☐ Ser. No. ☐
Dual Packer ☒ Yes Did Packers Hold? ☒ Yes Did Tool Plug? ☐ Where? ☐
DRILLING CONTRACTOR Rains & Williamson Oil Co. Length Drill Pipe? 3998 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 XH In.
Length Weight Pipe ☐ Ft. I.D. Weight Pipe ☐ In. Tool Joint Size ☐ In. Length Drill Collars 270 Ft. I.D. Drill Collars 2 1/4 In.
Tool Joint Size 4"H-90 In. Length D.S.T. Tool 30 Ft.

Remarks:

WESTERN TESTING CO., INC.

Pressure Data

Date 7/1/76 Test Ticket No. 25127
 Recorder No. 1562 Capacity 3150 Location 4291 Ft.
 Clock No. 6866 Elevation 1255 Kelly Bushing Well Temperature 118 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2202</u> P.S.I.	<u>4:58</u> PM	
B First Initial Flow Pressure	<u>13</u> P.S.I.	<u>30</u> Mins.	<u>25</u> Mins.
C First Final Flow Pressure	<u>33</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1446</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>55</u> P.S.I.	<u>30</u> Mins.	<u>24</u> Mins.
F Second Final Flow Pressure	<u>86</u> P.S.I.		
G Final Closed-in Pressure	<u>1405</u> P.S.I.		
H Final Hydrostatic Mud	<u>2168</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>5</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>8</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>13</u>	<u>0</u>	<u>30</u>	<u>0</u>	<u>55</u>	<u>0</u>	<u>86</u>
P 2 <u>5</u>	<u>19</u>	<u>3</u>	<u>101</u>	<u>5</u>	<u>51</u>	<u>3</u>	<u>249</u>
P 3 <u>10</u>	<u>24</u>	<u>6</u>	<u>334</u>	<u>10</u>	<u>53</u>	<u>6</u>	<u>1304</u>
P 4 <u>15</u>	<u>27</u>	<u>9</u>	<u>1348</u>	<u>15</u>	<u>57</u>	<u>9</u>	<u>1337</u>
P 5 <u>20</u>	<u>31</u>	<u>12</u>	<u>1381</u>	<u>20</u>	<u>60</u>	<u>12</u>	<u>1361</u>
P 6 <u>25</u>	<u>33</u>	<u>15</u>	<u>1402</u>	<u>25</u>	<u>63</u>	<u>15</u>	<u>1376</u>
P 7		<u>18</u>	<u>1416</u>	<u>30</u>	<u>68</u>	<u>18</u>	<u>1389</u>
P 8		<u>21</u>	<u>1432</u>	<u>35</u>	<u>71</u>	<u>21</u>	<u>1398</u>
P 9		<u>24</u>	<u>1438</u>	<u>40</u>	<u>75</u>	<u>24</u>	<u>1405</u>
P10		<u>27</u>	<u>1444</u>	<u>45</u>	<u>77</u>		
P11		<u>30</u>	<u>1446</u>	<u>50</u>	<u>82</u>		
P12				<u>55</u>	<u>84</u>		
P13				<u>60</u>	<u>86</u>		
P14							
P15							
P16							
P17							
P18							
P19							
P20							