



Home Office: Wichita, Kansas 67201

P.O. Box 1599

(316) 262-5861

Company Rains & Williamson Oil Co., Inc. Lease & Well No. #1 Terry
Elevation 1649 Kelly Bushing Formation Lansing Effective Pay ---- Ft. Ticket No. 17299
Date 11/ 9 /82 Sec. 26 Twp 11S Range 14W County Russell State Kansas
Test Approved by Mike Engelbrecht Western Representative Dan Delaney
Formation Test No. 1 Interval Tested from 2896 ft. to 2941 ft. Total Depth 2941 ft.
Packer Depth 2896 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
Packer Depth 2891 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 2900 ft. Recorder Number 6234 Cap. 4500
Bottom Recorder Depth (Outside) 2904 ft. Recorder Number 6077 Cap. 4700
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Rains & Williamson Drlg. Rig #9 Drill Collar Length 360 I. D. 2.2 in.
Mud Type starch Viscosity 48 Weight Pipe Length - I. D. - in.
Weight 10.0 Water Loss 17.2 cc. Drill Pipe Length 2515 I. D. 3.8 in.
Chlorides 57,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 1/2 in.
Jars: Make - Serial Number - Anchor Length 45 ft. Size 1 5 1/2 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: Initial flow period weak blow slowly decreasing throughout . No blow on final flow period--flushed tool - no help.

Recovered 10 ft. of mud
Recovered - ft. of -
Recovered - ft. of -
Recovered - ft. of -
Recovered - ft. of -

Remarks: -

Time Set Packer(s)	<u>9:00</u>	<u>A.M.</u>	Time Started Off Bottom	<u>11:00</u>	<u>A.M.</u>	Maximum Temperature	<u>99°</u>
		<u>P.M.</u>			<u>P.M.</u>		
Initial Hydrostatic Pressure			(A)	<u>1502</u>		P.S.I.	
Initial Flow Period			Minutes	<u>30</u>	(B)	<u>73</u>	P.S.I. to (C) <u>76</u> P.S.I.
Initial Closed In Period			Minutes	<u>30</u>	(D)	<u>977</u>	P.S.I.
Final Flow Period			Minutes	<u>30</u>	(E)	<u>78</u>	P.S.I. to (F) <u>83</u> P.S.I.
Final Closed In Period			Minutes	<u>27</u>	(G)	<u>838</u>	P.S.I.
Final Hydrostatic Pressure			(H)	<u>1491</u>		P.S.I.	

WESTERN TESTING CO., INC.

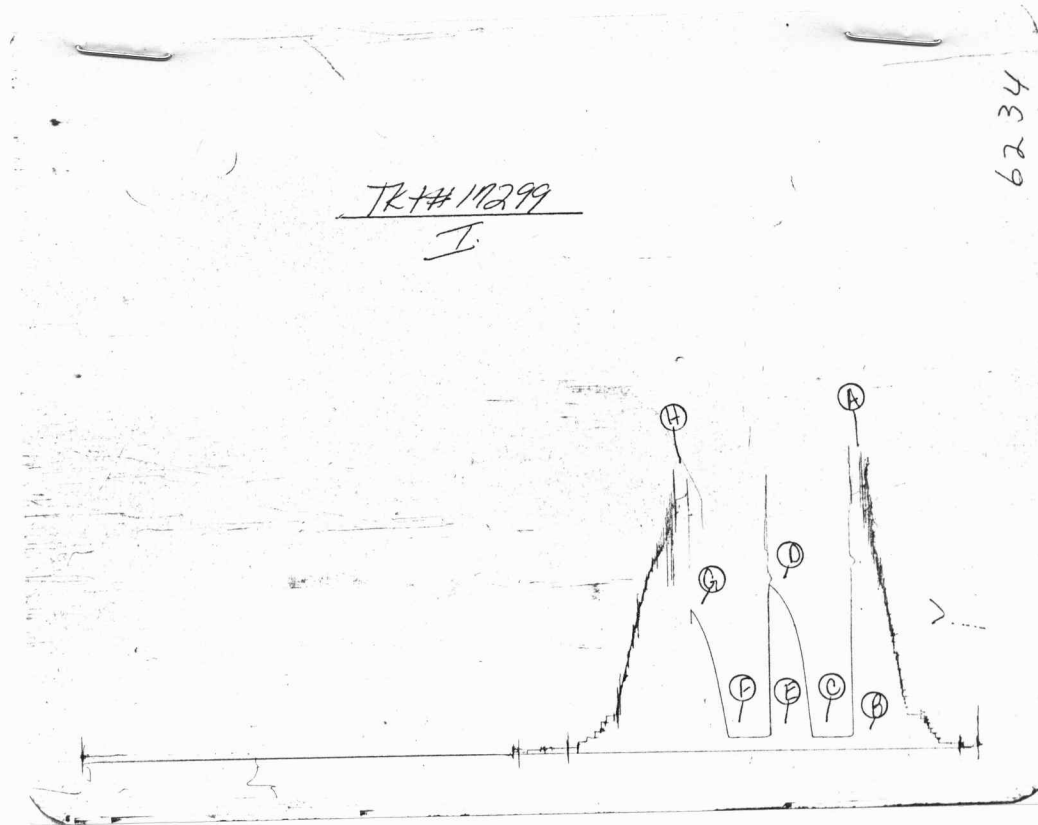
Pressure Data

Date 11/9/82 Recorder No. 6234 Capacity 4500 Test Ticket No. 17299
 Location 1649 Kelly Bushing Well Temperature 99 °F
 Clock No. ---- Elevation -----

Point	Pressure		Time Given	Time Computed
A. Initial Hydrostatic Mud	<u>1502</u> P.S.I.	Open Tool	9:00P	M
B First Initial Flow Pressure	<u>73</u> P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	<u>76</u> P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	<u>977</u> P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	<u>78</u> P.S.I.	Final Closed-in Pressure	30 Mins.	27 Mins.
F Second Final Flow Pressure	<u>83</u> P.S.I.			
G Final Closed-in Pressure	<u>838</u> P.S.I.			
H Final Hydrostatic Mud	<u>1491</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>9</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>73</u>	<u>0</u>	<u>76</u>	<u>0</u>	<u>78</u>	<u>0</u>	<u>83</u>
P 2 <u>5</u>	<u>73</u>	<u>3</u>	<u>307</u>	<u>5</u>	<u>79</u>	<u>3</u>	<u>183</u>
P 3 <u>10</u>	<u>73</u>	<u>6</u>	<u>502</u>	<u>10</u>	<u>80</u>	<u>6</u>	<u>323</u>
P 4 <u>15</u>	<u>73</u>	<u>9</u>	<u>640</u>	<u>15</u>	<u>81</u>	<u>9</u>	<u>452</u>
P 5 <u>20</u>	<u>74</u>	<u>12</u>	<u>734</u>	<u>20</u>	<u>82</u>	<u>12</u>	<u>556</u>
P 6 <u>25</u>	<u>75</u>	<u>15</u>	<u>800</u>	<u>25</u>	<u>83</u>	<u>15</u>	<u>640</u>
P 7 <u>30</u>	<u>76</u>	<u>18</u>	<u>851</u>	<u>30</u>	<u>83</u>	<u>18</u>	<u>707</u>
P 8		<u>21</u>	<u>892</u>			<u>21</u>	<u>761</u>
P 9		<u>24</u>	<u>923</u>			<u>24</u>	<u>802</u>
P10		<u>27</u>	<u>950</u>			<u>27</u>	<u>838</u>
P11		<u>30</u>	<u>977</u>				
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	1486	1502 PSI
(B) First Initial Flow Pressure	57	73 PSI
(C) First Final Flow Pressure	57	76 PSI
(D) Initial Closed-in Pressure	966	977 PSI
(E) Second Initial Flow Pressure	57	78 PSI
(F) Second Final Flow Pressure	57	83 PSI
(G) Final Closed-in Pressure	819	838 PSI
(H) Final Hydrostatic Mud	1475	1491 PSI



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Company Rains & Williamson Oil Co., Inc. Lease & Well No. #1 Terry
Elevation 1649 Kelly Bushing Formation Lansing Effective Pay ---- Ft. Ticket No. 17300
Date 11/10 /82 Sec. 26 Twp. 11S Range 14W County Russell State Kansas
Test Approved by Mike Engelbrecht Western Representative Dan Delaney

Formation Test No. 2 Interval Tested from 2976 ft. to 3002 ft. Total Depth 3002 ft.

Packer Depth 2976 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 2971 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 2988 ft. Recorder Number 6234 Cap. 4500

Bottom Recorder Depth (Outside) 2992 ft. Recorder Number 6077 Cap. 4700

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

Drilling Contractor Rains & Williamson Drlg. Rig #9 Drill Collar Length 360 I. D. 2.2 in.

Mud Type starch Viscosity 38 Weight Pipe Length - I. D. - in.

Weight 9.7 Water Loss 12.8 cc. Drill Pipe Length 2595 I. D. 3.8 in.

Chlorides 54,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 1/2 in.

Jars: Make - Serial Number - Anchor Length 26 ft. Size 5 1/2 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: Initial flow period weak blow building to a fair blow (one half inch to five inches)

Final flow period fair blow building to a good blow (five inches to nine inches)

Recovered 5 ft. of oil cut mud

Recovered 135 ft. of slightly oil specked muddy water

Recovered 180 ft. of muddy water

Recovered 60 ft. of salt water Chlorides 91,000 ppm

Recovered - ft. of -

Remarks: -

Time Set Packer(s) 11:35 A.M. Time Started Off Bottom 2:05 A.M. Maximum Temperature 103°
P.M. P.M.

Initial Hydrostatic Pressure (A) 1538 P.S.I.

Initial Flow Period Minutes 30 (B) 87 P.S.I. to (C) 140 P.S.I.

Initial Closed In Period Minutes 30 (D) 1041 P.S.I.

Final Flow Period Minutes 60 (E) 163 P.S.I. to (F) 250 P.S.I.

Final Closed In Period Minutes 30 (G) 1005 P.S.I.

Final Hydrostatic Pressure (H) 1520 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 11/10/82

Test Ticket No. 17300

Recorder No. 6234

Capacity 4500

Location 2988

Ft.

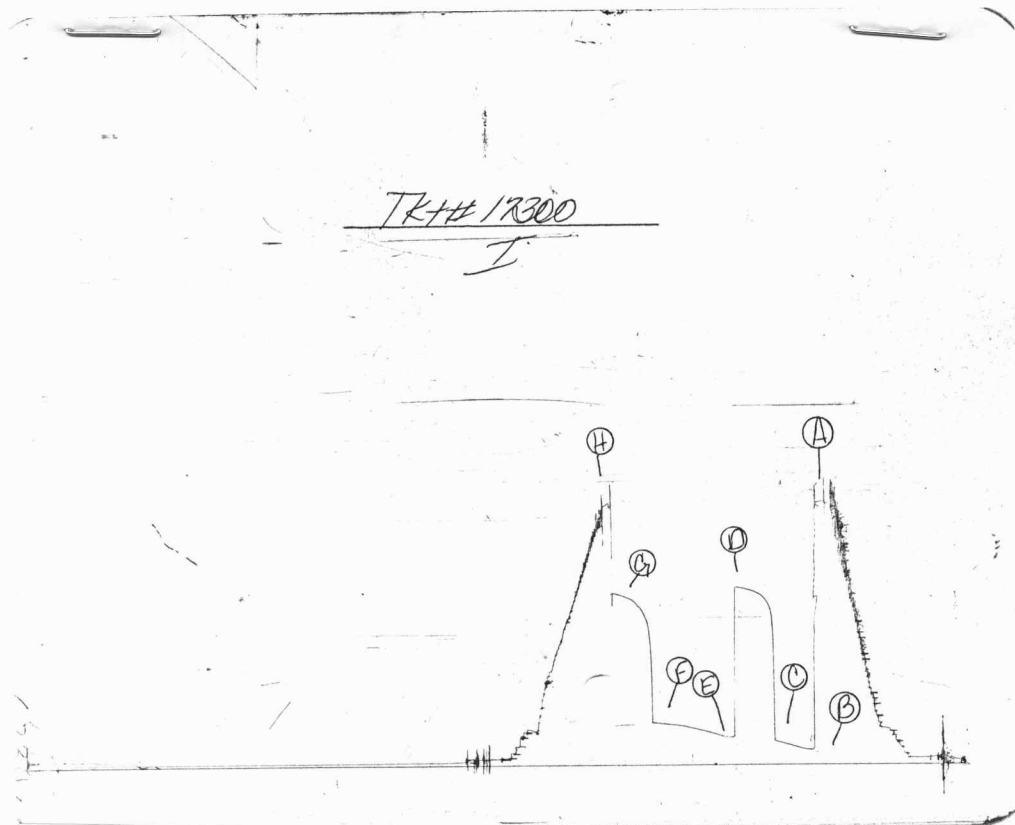
Clock No. -- Elevation 1649 Kelly Bushing

Well Temperature 103 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1538</u> P.S.I.	Open Tool	<u>11:35A</u> M	
B First Initial Flow Pressure	<u>87</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>140</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1041</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>163</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>250</u> P.S.I.			
G Final Closed-in Pressure	<u>1005</u> P.S.I.			
H Final Hydrostatic Mud	<u>1520</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>12</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>87</u>	<u>0</u>	<u>140</u>	<u>0</u>	<u>163</u>	<u>0</u>	<u>250</u>
P 2 <u>5</u>	<u>87</u>	<u>3</u>	<u>887</u>	<u>5</u>	<u>163</u>	<u>3</u>	<u>793</u>
P 3 <u>10</u>	<u>99</u>	<u>6</u>	<u>955</u>	<u>10</u>	<u>174</u>	<u>6</u>	<u>872</u>
P 4 <u>15</u>	<u>110</u>	<u>9</u>	<u>986</u>	<u>15</u>	<u>186</u>	<u>9</u>	<u>919</u>
P 5 <u>20</u>	<u>122</u>	<u>12</u>	<u>1002</u>	<u>20</u>	<u>197</u>	<u>12</u>	<u>944</u>
P 6 <u>25</u>	<u>131</u>	<u>15</u>	<u>1014</u>	<u>25</u>	<u>209</u>	<u>15</u>	<u>966</u>
P 7 <u>30</u>	<u>140</u>	<u>18</u>	<u>1020</u>	<u>30</u>	<u>218</u>	<u>18</u>	<u>977</u>
P 8		<u>21</u>	<u>1029</u>	<u>35</u>	<u>227</u>	<u>21</u>	<u>989</u>
P 9		<u>24</u>	<u>1034</u>	<u>40</u>	<u>234</u>	<u>24</u>	<u>996</u>
P10		<u>27</u>	<u>1038</u>	<u>45</u>	<u>239</u>	<u>27</u>	<u>1000</u>
P11		<u>30</u>	<u>1041</u>	<u>50</u>	<u>243</u>	<u>30</u>	<u>1005</u>
P12				<u>55</u>	<u>245</u>		
P13				<u>60</u>	<u>250</u>		
P14							
P15							
P16							
P17							
P18							
P19							
P20							



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	1520	1538 PSI
(B) First Initial Flow Pressure	68	87 PSI
(C) First Final Flow Pressure	114	140 PSI
(D) Initial Closed-in Pressure	1011	1041 PSI
(E) Second Initial Flow Pressure	137	163 PSI
(F) Second Final Flow Pressure	229	250 PSI
(G) Final Closed-in Pressure	977	1005 PSI
(H) Final Hydrostatic Mud	1509	1520 PSI