



Home Office: Wichita, Kansas 67201
P.O. Box 1599 (316) 262-5861

Company J. A. Allison Lease & Well No. Winsky #1
Elevation 1435 Ground Level Formation Mississippi Effective Pay - Ft. Ticket No. 9976
Date 10/1/81 Sec. 27 Twp. 22S Range 2W County Harvey State Kansas
Test Approved by Allen Munroe Western Representative Norman Allen
Formation Test No. 1 Interval Tested from 2989 ft. to 3005 ft. Total Depth 3005 ft.
Packer Depth 2989 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 2984 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 2998 ft. Recorder Number 1559 Cap. 4200
Bottom Recorder Depth (Outside) 3001 ft. Recorder Number 13268 Cap. 4225
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Kansas Drilling Rig #4 Drill Collar Length 282 I. D. 2 1/4 in.
Mud Type Chemical Viscosity 35 Weight Pipe Length - I. D. - in.
Weight 9.5 Water Loss 14.0 cc. Drill Pipe Length 2685 I. D. 3.8 in.
Chlorides 2800 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 OD in.
Jars: Make - Serial Number - Anchor Length 16 ft. Size 5 1/2 OD in.
Did Well Flow? GAS Reversed Out No Surface Choke Size 1/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH - 4 1/2 FH

Blow: Strong throughout test. Gas to surface in 45 minutes. See attached sheet for
gas measurements.

Recovered 60 ft. of gas cut mud Chlorides 3,000 PPM
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks:

Time Set Packer(s)	<u>7:30</u>	<u>A.M.</u> <u>P.M.</u>	Time Started Off Bottom	<u>10:30</u>	<u>A.M.</u> <u>P.M.</u>	Maximum Temperature	<u>113</u>
Initial Hydrostatic Pressure				(A) <u>1473</u>	P.S.I.		
Initial Flow Period	Minutes	<u>30</u>	(B)	<u>31</u>	P.S.I. to (C)	<u>32</u>	P.S.I.
Initial Closed In Period	Minutes	<u>30</u>	(D)	<u>290</u>	P.S.I.		
Final Flow Period	Minutes	<u>65</u>	(E)	<u>38</u>	P.S.I. to (F)	<u>39</u>	P.S.I.
Final Closed In Period	Minutes	<u>63</u>	(G)	<u>806</u>	P.S.I.		
Final Hydrostatic Pressure				(H) <u>1473</u>	P.S.I.		

Home Office: Wichita, Kansas 67201
P.O. Box 1599 (316) 262-5861

GAS FLOW REPORT

Date 10/1/81 Ticket 9976 Company J. A. Allison
Well Name and No. Winsky #1 Dst No. 1 Interval Tested 2989-3005
County Harvey State Kansas Sec. 27 Twp. 22S Rg. 2W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
PRE FLOW						
	Tool in	bottom &	open @	7:30-8:00		
	Tool closed	8:00 to	8:30 AM			
SECOND FLOW						
	Gas to surface at	8:45AM				
	60 Min	20" water	¼" Orifice			7,510 C.F.P.D.
	70 Min	28" water	¼" Orifice			8,890 C.F.P.D.
	80 Min	32" water	¼" Orifice			9,500 C.F.P.D.
	90 Min	32" water	¼" Orifice			9,500 C.F.P.D.
	Tool closed in	9:30 to	10:30 AM			

GAS BOTTLE

Serial No. 108 Date Bottle Filled 10/1/81 Date to be Invoiced 10/1/81

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME J. A. Allison

Authorized by Allen Munroe

WESTERN TESTING CO., INC.

Pressure Data

Date 10/1/81 Test Ticket No. 9976
 Recorder No. 1559 Capacity 4200 Location 2998 Ft.
 Clock No. - Elevation 1435 Ground Level Well Temperature 113 °F

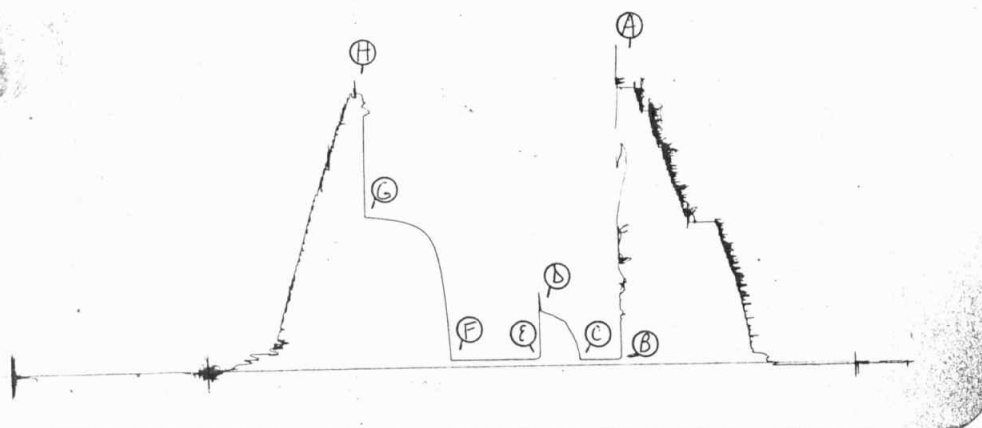
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1473</u>	P.S.I.	<u>7:30A</u>	<u>M</u>
B First Initial Flow Pressure	<u>31</u>	P.S.I.	<u>30</u>	<u>Mins.</u>
C First Final Flow Pressure	<u>32</u>	P.S.I.	<u>30</u>	<u>Mins.</u>
D Initial Closed-in Pressure	<u>290</u>	P.S.I.	<u>60</u>	<u>Mins.</u>
E Second Initial Flow Pressure	<u>38</u>	P.S.I.	<u>60</u>	<u>Mins.</u>
F Second Final Flow Pressure	<u>39</u>	P.S.I.		
G Final Closed-in Pressure	<u>806</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1473</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>13</u> Inc.		Breakdown: <u>21</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>31</u>	<u>0</u>	<u>32</u>	<u>0</u>	<u>38</u>	<u>0</u>	<u>39</u>
P 2 <u>5</u>	<u>31</u>	<u>3</u>	<u>125</u>	<u>5</u>	<u>38</u>	<u>3</u>	<u>334</u>
P 3 <u>10</u>	<u>31</u>	<u>6</u>	<u>171</u>	<u>10</u>	<u>38</u>	<u>6</u>	<u>500</u>
P 4 <u>15</u>	<u>31</u>	<u>9</u>	<u>209</u>	<u>15</u>	<u>38</u>	<u>9</u>	<u>598</u>
P 5 <u>20</u>	<u>32</u>	<u>12</u>	<u>238</u>	<u>20</u>	<u>38</u>	<u>12</u>	<u>656</u>
P 6 <u>25</u>	<u>32</u>	<u>15</u>	<u>247</u>	<u>25</u>	<u>38</u>	<u>15</u>	<u>693</u>
P 7 <u>30</u>	<u>32</u>	<u>18</u>	<u>259</u>	<u>30</u>	<u>38</u>	<u>18</u>	<u>720</u>
P 8		<u>21</u>	<u>272</u>	<u>35</u>	<u>38</u>	<u>21</u>	<u>735</u>
P 9		<u>24</u>	<u>278</u>	<u>40</u>	<u>39</u>	<u>24</u>	<u>752</u>
P10		<u>27</u>	<u>286</u>	<u>45</u>	<u>39</u>	<u>27</u>	<u>760</u>
P11		<u>30</u>	<u>290</u>	<u>50</u>	<u>39</u>	<u>30</u>	<u>768</u>
P12				<u>55</u>	<u>39</u>	<u>33</u>	<u>775</u>
P13				<u>60</u>	<u>39</u>	<u>36</u>	<u>780</u>
P14				<u>65</u>	<u>39</u>	<u>39</u>	<u>785</u>
P15						<u>42</u>	<u>789</u>
P16						<u>45</u>	<u>792</u>
P17						<u>48</u>	<u>795</u>
P18						<u>51</u>	<u>797</u>
P19						<u>54</u>	<u>801</u>
P20						<u>57</u>	<u>804</u>
						<u>60</u>	<u>805</u>
						<u>63</u>	<u>806</u>

TKT # 9976
I

9266 #



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1485	1473	PSI
(B) First Initial Flow Pressure	30	31	PSI
(C) First Final Flow Pressure	30	32	PSI
(D) Initial Closed-in Pressure	290	290	PSI
(E) Second Initial Flow Pressure	40	38	PSI
(F) Second Final Flow Pressure	40	39	PSI
(G) Final Closed-in Pressure	815	806	PSI
(H) Final Hydrostatic Mud	1480	1473	PSI



Home Office: Wichita, Kansas 67201

P.O. Box 1599

(316) 262-5861

Company J. A. Allison Lease & Well No. Winsky #1
Elevation 1435 Ground Level Formation Mississippi Effective Pay - Ft. Ticket No. 9977
Date 10/1/81 Sec. 27 Twp. 22S Range 2W County Harvey State Kansas
Test Approved by Allen Munroe Western Representative Norman Allen
Formation Test No. 2 Interval Tested from 3005 ft. to 3030 ft. Total Depth 3030 ft.
Packer Depth 3005 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 3000 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3023 ft. Recorder Number 1559 Cap. 4200
Bottom Recorder Depth (Outside) 3026 ft. Recorder Number 13268 Cap. 4225
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Kansas Drilling Rig #4 Drill Collar Length 282 I. D. 2 1/4 in.
Mud Type Chemical Viscosity 38 Weight Pipe Length - I. D. - in.
Weight 9.4 Water Loss 14.0 cc. Drill Pipe Length 2701 I. D. 3.8 in.
Chlorides 2800 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 OD in.
Jars: Make - Serial Number - Anchor Length 25 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 4 1/2 XH in.

Blow: Fair throughout test

Recovered 180 ft. of gas in pipe

Recovered 540 ft. of salt water Chlorides 60,000 PPM

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: -

Time Set	Packer(s)	<u>10:30</u>	<u>A.M.</u> <u>P.M.</u>	Time Started	Off Bottom	<u>12:30</u>	<u>A.M.</u> <u>P.M.</u>	Maximum Temperature	<u>116</u>
Initial Hydrostatic Pressure				(A)	<u>1515</u>		P.S.I.		
Initial Flow Period				Minutes	<u>35</u>	(B)	<u>62</u>	P.S.I. to (C)	<u>173</u> P.S.I.
Initial Closed In Period				Minutes	<u>24</u>	(D)	<u>810</u>	P.S.I.	
Final Flow Period				Minutes	<u>30</u>	(E)	<u>211</u>	P.S.I. to (F)	<u>245</u> P.S.I.
Final Closed In Period				Minutes	<u>33</u>	(G)	<u>827</u>	P.S.I.	
Final Hydrostatic Pressure				(H)	<u>1494</u>		P.S.I.		

WESTERN TESTING CO., INC.

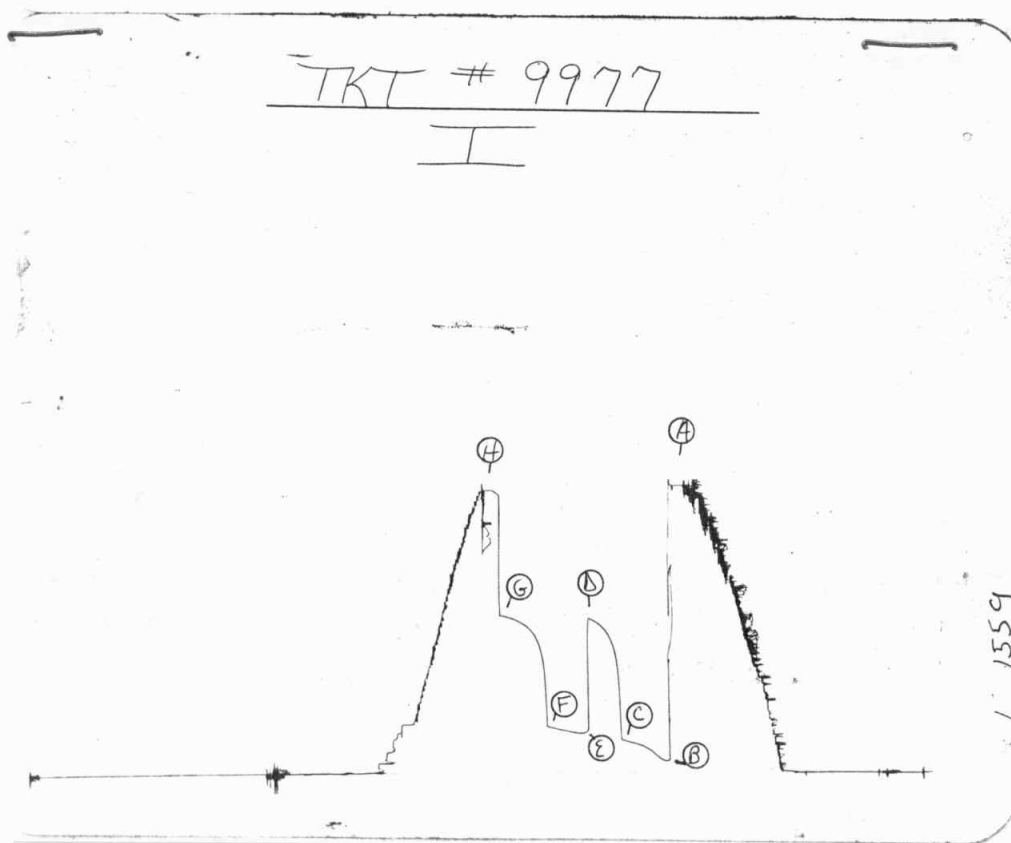
Pressure Data

Date 10/1/81 Recorder No. 1559 Capacity 4200 Test Ticket No. 9977
 Clock No. - Elevation 1435 Ground Level Location 3023 Ft. 116 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	1515 P.S.I.	10:30P	M
B First Initial Flow Pressure	62 P.S.I.	30 Mins.	35 Mins.
C First Final Flow Pressure	173 P.S.I.	30 Mins.	24 Mins.
D Initial Closed-in Pressure	810 P.S.I.	30 Mins.	30 Mins.
E Second Initial Flow Pressure	211 P.S.I.	30 Mins.	33 Mins.
F Second Final Flow Pressure	245 P.S.I.		
G Final Closed-in Pressure	827 P.S.I.		
H Final Hydrostatic Mud	1494 P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>7</u> Inc.		Breakdown: <u>8</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>11</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>62</u>	<u>0</u>	<u>173</u>	<u>0</u>	<u>211</u>	<u>0</u>	<u>245</u>
P 2 <u>5</u>	<u>68</u>	<u>3</u>	<u>575</u>	<u>5</u>	<u>211</u>	<u>3</u>	<u>589</u>
P 3 <u>10</u>	<u>96</u>	<u>6</u>	<u>675</u>	<u>10</u>	<u>214</u>	<u>6</u>	<u>675</u>
P 4 <u>15</u>	<u>125</u>	<u>9</u>	<u>725</u>	<u>15</u>	<u>222</u>	<u>9</u>	<u>723</u>
P 5 <u>20</u>	<u>144</u>	<u>12</u>	<u>754</u>	<u>20</u>	<u>230</u>	<u>12</u>	<u>752</u>
P 6 <u>25</u>	<u>155</u>	<u>15</u>	<u>777</u>	<u>25</u>	<u>236</u>	<u>15</u>	<u>772</u>
P 7 <u>30</u>	<u>163</u>	<u>18</u>	<u>791</u>	<u>30</u>	<u>245</u>	<u>18</u>	<u>787</u>
P 8 <u>35</u>	<u>173</u>	<u>21</u>	<u>804</u>			<u>21</u>	<u>797</u>
P 9		<u>24</u>	<u>810</u>			<u>24</u>	<u>808</u>
P10						<u>27</u>	<u>816</u>
P11						<u>30</u>	<u>822</u>
P12						<u>33</u>	<u>827</u>
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	1515	1515	PSI
(B) First Initial Flow Pressure	62	62	PSI
(C) First Final Flow Pressure	175	173	PSI
(D) Initial Closed-in Pressure	815	810	PSI
(E) Second Initial Flow Pressure	210	211	PSI
(F) Second Final Flow Pressure	250	245	PSI
(G) Final Closed-in Pressure	835	827	PSI
(H) Final Hydrostatic Mud	1505	1494	PSI



Home Office: Wichita, Kansas 67201
P.O. Box 1599 (316) 262-5861

Company J. A. Allison Lease & Well No. Winsky #1
Elevation 1435 Ground Level Formation Arbuckle Effective Pay - Ft. Ticket No. 10351
Date 10/4/81 Sec. 27 Twp. 22S Range 2W County Harvey State Kansas
Test Approved by Allen Munroe Western Representative Allen Edgington
Formation Test No. 3 Interval Tested from 3520 ft. to 3527 ft. Total Depth 3527 ft.
Packer Depth 3515 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 3520 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) AP 3509 ft. Recorder Number 3354 Cap. 4200
Bottom Recorder Depth (Outside) 3516 ft. Recorder Number 5666 Cap. 3950
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Kansas Drlg & Well Serv. Rig #4 Drill Collar Length 282 I. D. 2 1/4 in.
Mud Type Chemical Viscosity 45 Weight Pipe Length - I. D. - in.
Weight 9.9 Water Loss 12.5 cc. Drill Pipe Length 3236 I. D. 3.8 in.
Chlorides 2500 P.P.M. Test Tool Length 23 ft. Tool Size 4 1/2 in.
Jars: Make - Serial Number - Anchor Length 7 ft. Size 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 XH 4 1/2 FH in.

Blow: Strong blow throughout test.

Recovered 535 ft. of salt water Chlorides 46,000 PPM

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Read bottom chart

Time Set Packer(s)	<u>2:00</u>	<u>A.M.</u> <u>P.M.</u>	Time Started Off Bottom	<u>4:45</u>	<u>A.M.</u> <u>P.M.</u>	Maximum Temperature	<u>122</u>
Initial Hydrostatic Pressure			(A)	<u>1825</u>	P.S.I.		
Initial Flow Period	Minutes	<u>30</u>	(B)	<u>14</u>	P.S.I. to (C)	<u>145</u>	P.S.I.
Initial Closed In Period	Minutes	<u>45</u>	(D)	<u>1149</u>	P.S.I.		
Final Flow Period	Minutes	<u>45</u>	(E)	<u>178</u>	P.S.I. to (F)	<u>255</u>	P.S.I.
Final Closed In Period	Minutes	<u>45</u>	(G)	<u>1138</u>	P.S.I.		
Final Hydrostatic Pressure			(H)	<u>1811</u>	P.S.I.		

WESTERN TESTING CO., INC.

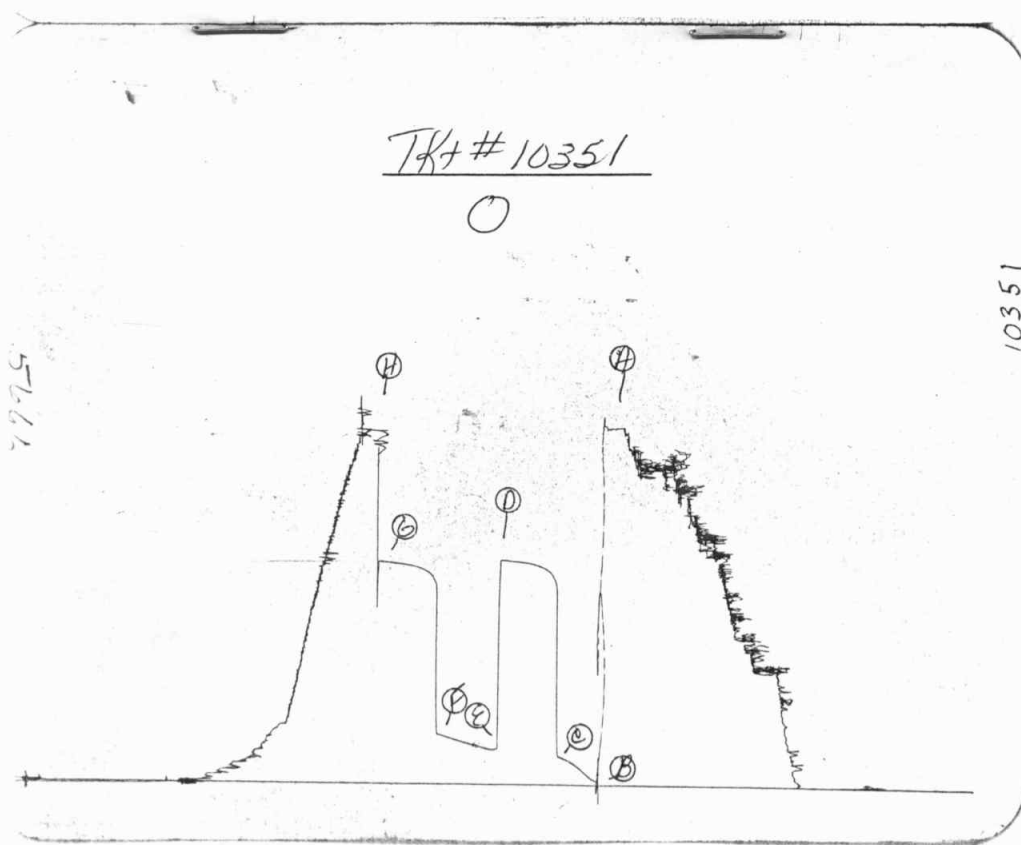
Pressure Data

Date 10-4-81 Test Ticket No. 10351
 Recorder No. 5666 Capacity 3950 Location 3516 Ft.
 Clock No. ----- Elevation 1435 Ground Level Well Temperature 122 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1825</u>	P.S.I.	<u>2:00</u> A M	
B First Initial Flow Pressure	<u>14</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>145</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1149</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>178</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>255</u>	P.S.I.		
G Final Closed-in Pressure	<u>1138</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1811</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>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>0</u>	<u>14</u>	<u>0</u>	<u>145</u>	<u>0</u>	<u>178</u>	<u>0</u>	<u>255</u>
P 2 <u>5</u>	<u>33</u>	<u>3</u>	<u>1020</u>	<u>5</u>	<u>180</u>	<u>3</u>	<u>1038</u>
P 3 <u>10</u>	<u>61</u>	<u>6</u>	<u>1070</u>	<u>10</u>	<u>188</u>	<u>6</u>	<u>1070</u>
P 4 <u>15</u>	<u>92</u>	<u>9</u>	<u>1096</u>	<u>15</u>	<u>196</u>	<u>9</u>	<u>1088</u>
P 5 <u>20</u>	<u>116</u>	<u>12</u>	<u>1108</u>	<u>20</u>	<u>204</u>	<u>12</u>	<u>1100</u>
P 6 <u>25</u>	<u>133</u>	<u>15</u>	<u>1118</u>	<u>25</u>	<u>214</u>	<u>15</u>	<u>1108</u>
P 7 <u>30</u>	<u>145</u>	<u>18</u>	<u>1124</u>	<u>30</u>	<u>227</u>	<u>18</u>	<u>1114</u>
P 8		<u>21</u>	<u>1130</u>	<u>35</u>	<u>237</u>	<u>21</u>	<u>1119</u>
P 9		<u>24</u>	<u>1135</u>	<u>40</u>	<u>248</u>	<u>24</u>	<u>1124</u>
P10		<u>27</u>	<u>1138</u>	<u>45</u>	<u>255</u>	<u>27</u>	<u>1126</u>
P11		<u>30</u>	<u>1141</u>			<u>30</u>	<u>1128</u>
P12		<u>33</u>	<u>1143</u>			<u>33</u>	<u>1130</u>
P13		<u>36</u>	<u>1145</u>			<u>36</u>	<u>1132</u>
P14		<u>39</u>	<u>1147</u>			<u>39</u>	<u>1134</u>
P15		<u>42</u>	<u>1148</u>			<u>42</u>	<u>1136</u>
P16		<u>45</u>	<u>1149</u>			<u>45</u>	<u>1138</u>
P17							
P18							
P19							
P20							



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1825	1825	PSI
(B) First Initial Flow Pressure	20	14	PSI
(C) First Final Flow Pressure	140	145	PSI
(D) Initial Closed-in Pressure	1145	1149	PSI
(E) Second Initial Flow Pressure	175	178	PSI
(F) Second Final Flow Pressure	225	255	PSI
(G) Final Closed-in Pressure	1135	1138	PSI
(H) Final Hydrostatic Mud	1825	1811	PSI



Home Office: Wichita, Kansas 67201
P.O. Box 1599 (316) 262-5861

Company J. A. Allison Lease & Well No. Winsky #1
Elevation 1435 Ground Level Formation Hunton Effective Pay - Ft. Ticket No. 10352
Date 10/4/81 Sec. 27 Twp. 22S Range 2W County Harvey State Kansas
Test Approved by Allen Munroe Western Representative Allen Edgington
Formation Test No. 4 Interval Tested from 3362 ft. to 3372 ft. Total Depth 3527 ft.
Packer Depth 3362 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 3372 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) AP 3356 ft. Recorder Number 3354 Cap. 4200
Bottom Recorder Depth (Outside) 3366 ft. Recorder Number 5666 Cap. 3950
Below Straddle Recorder Depth 3526 ft. Recorder Number 42 Cap. 4000
Drilling Contractor Kansas Drlg & Well Serv. Rig #4 Drill Collar Length 282 I. D. 2 3/4 in.
Mud Type Chemical Viscosity 46 Weight Pipe Length - I. D. - in.
Weight 10.1 Water Loss 11.6 cc. Drill Pipe Length 3079 I. D. 3.8 in.
Chlorides 2600 P.P.M. Test Tool Length 18 ft. Tool Size 4 1/2 in.
Jars: Make - Serial Number - Anchor Length 10 ft. Size 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 XH 4 1/2 FH in.

Blow: Weak blow for 9 minutes.

Recovered 10 ft. of watery mud Chlorides 9000 PPM

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Read bottom chart

Time Set	Packer(s)	<u>2:30</u>	<u>A.M.</u> P.M.	Time Started Off Bottom	<u>4:30</u>	<u>A.M.</u> P.M.	Maximum Temperature	<u>115</u>
Initial Hydrostatic Pressure				(A)	<u>1775</u>		P.S.I.	
Initial Flow Period		Minutes	<u>30</u>	(B)	<u>23</u>		P.S.I. to (C)	<u>24</u> P.S.I.
Initial Closed In Period		Minutes	<u>27</u>	(D)	<u>1204</u>		P.S.I.	
Final Flow Period		Minutes	<u>30</u>	(E)	<u>29</u>		P.S.I. to (F)	<u>29</u> P.S.I.
Final Closed In Period		Minutes	<u>30</u>	(G)	<u>1203</u>		P.S.I.	
Final Hydrostatic Pressure				(H)	<u>1725</u>		P.S.I.	

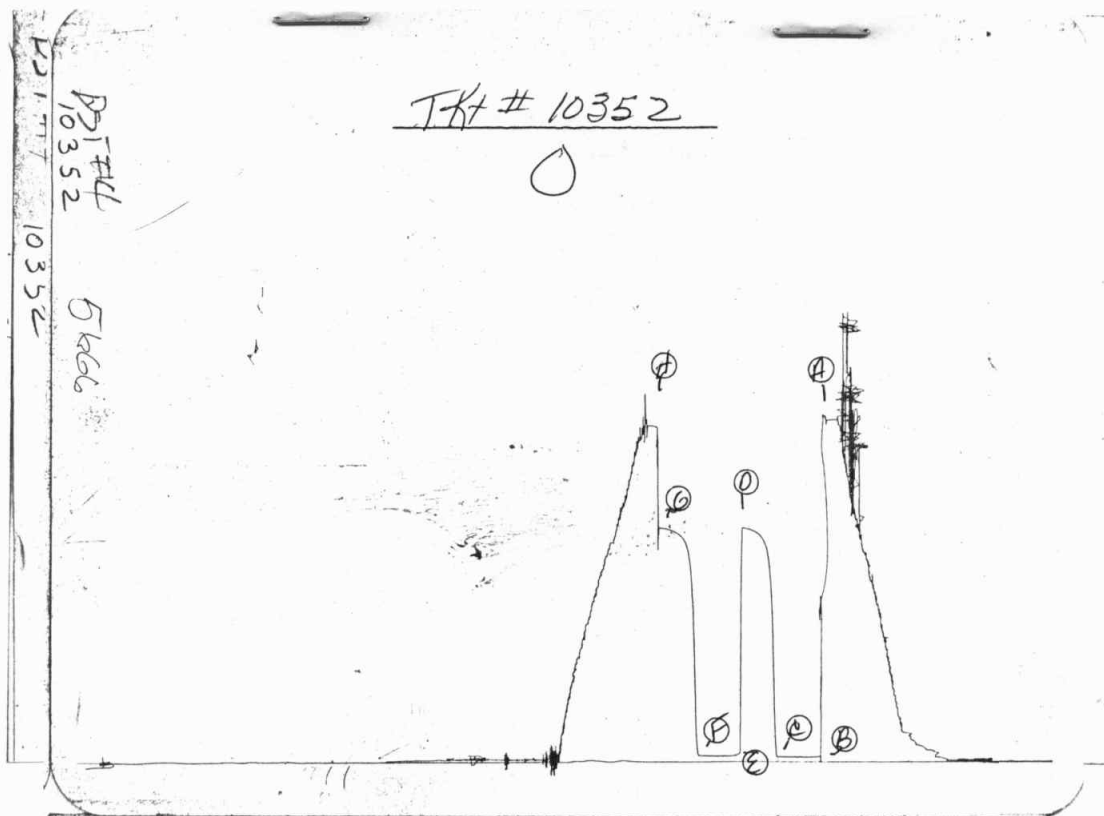
WESTERN TESTING CO., INC.

Pressure Data

Date 10-4-81 Test Ticket No. 10352
 Recorder No. 5666 Capacity 3950 Location 3366 Ft.
 Clock No. ----- Elevation 1435 Ground Level Well Temperature 115 °F
 Unit Pressure Time Given Time Computed
 Initial Hydrostatic Mud 1775 P.S.I. Open Tool 2:30 P M
 First Initial Flow Pressure 23 P.S.I. First Flow Pressure 30 Mins. 30 Mins.
 First Final Flow Pressure 24 P.S.I. Initial Closed-in Pressure 30 Mins. 27 Mins.
 Initial Closed-in Pressure 1204 P.S.I. Second Flow Pressure 30 Mins. 30 Mins.
 Second Initial Flow Pressure 29 P.S.I. Final Closed-in Pressure 30 Mins. 30 Mins.
 Second Final Flow Pressure 29 P.S.I.
 Final Closed-in Pressure 1203 P.S.I.
 Final Hydrostatic Mud 1725 P.S.I.

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>9</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.	
Unit	Press.	Point	Press.	Point	Press.	Point	Press.
ins.		Minutes		Minutes		Minutes	
1 <u>0</u>	<u>23</u>	<u>0</u>	<u>24</u>	<u>0</u>	<u>29</u>	<u>0</u>	<u>29</u>
2 <u>5</u>	<u>23</u>	<u>3</u>	<u>441</u>	<u>5</u>	<u>29</u>	<u>3</u>	<u>459</u>
3 <u>10</u>	<u>23</u>	<u>6</u>	<u>910</u>	<u>10</u>	<u>29</u>	<u>6</u>	<u>936</u>
4 <u>15</u>	<u>23</u>	<u>9</u>	<u>1080</u>	<u>15</u>	<u>29</u>	<u>9</u>	<u>1084</u>
5 <u>20</u>	<u>24</u>	<u>12</u>	<u>1139</u>	<u>20</u>	<u>29</u>	<u>12</u>	<u>1139</u>
6 <u>25</u>	<u>24</u>	<u>15</u>	<u>1169</u>	<u>25</u>	<u>29</u>	<u>15</u>	<u>1163</u>
7 <u>30</u>	<u>24</u>	<u>18</u>	<u>1184</u>	<u>30</u>	<u>29</u>	<u>18</u>	<u>1179</u>
8		<u>21</u>	<u>1193</u>			<u>21</u>	<u>1189</u>
9		<u>24</u>	<u>1199</u>			<u>24</u>	<u>1197</u>
0		<u>27</u>	<u>1204</u>			<u>27</u>	<u>1200</u>
1						<u>30</u>	<u>1203</u>
2							
3							
4							
5							
6							
7							
8							
9							
0							



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1775	1775	PSI
(B) First Initial Flow Pressure	30	23	PSI
(C) First Final Flow Pressure	30	24	PSI
(D) Initial Closed-in Pressure	1205	1204	PSI
(E) Second Initial Flow Pressure	40	29	PSI
(F) Second Final Flow Pressure	40	29	PSI
(G) Final Closed-in Pressure	1205	1203	PSI
(H) Final Hydrostatic Mud	1725	1725	PSI