



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

Company J. A. Allison Lease & Well No. Shriver #3
Elevation 1844 Kelly Bushing Formation Heb-Tor. Effective Pay - Ft. Ticker No. 10541
Date 5/4/81 Sec. 16 Twp. 26S Range 11W County Pratt State Kansas
Test Approved by Robert E McCann Western Representative Jeff Beauchamp
Formation Test No. 1 Interval Tested from 3405 ft. to 3445 ft. Total Depth 3445 ft.
Packer Depth 3400 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 3405 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3438 ft. Recorder Number 2607 Cap. 4150
Bottom Recorder Depth (Outside) 3441 ft. Recorder Number 3351 Cap. 4000
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Bergman Drill Collar Length - I. D. - in.
Mud Type Starch Viscosity 34 Weight Pipe Length 404 I. D. 3.3 in.
Weight 10.0 Water Loss 18.2 cc. Drill Pipe Length 2981 I. D. 3.8 in.
Chlorides 82,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.
Jars: Make - Serial Number - Anchor Length 40 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 5 in.

Blow: Weak building to fair initial flow period. Weak blow final flow period.

Recovered 60 ft. of gas cut mud

Recovered 60 ft. of watery mud Chlorides 76,000 PPM

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Read Outside Chart

Time Set Packer(s)	<u>10:15</u>	<u>A.M.</u> <u>P.M.</u>	Time Started Off Bottom	<u>12:45</u>	<u>A.M.</u> <u>P.M.</u>	Maximum Temperature	<u>103</u>
Initial Hydrostatic Pressure			(A)	<u>1859</u>	P.S.I.		
Initial Flow Period	Minutes	<u>30</u>	(B)	<u>48</u>	P.S.I. to (C)	<u>60</u>	P.S.I.
Initial Closed In Period	Minutes	<u>42</u>	(D)	<u>1300</u>	P.S.I.		
Final Flow Period	Minutes	<u>30</u>	(E)	<u>82</u>	P.S.I. to (F)	<u>81</u>	P.S.I.
Final Closed In Period	Minutes	<u>45</u>	(G)	<u>1278</u>	P.S.I.		
Final Hydrostatic Pressure			(H)	<u>1819</u>	P.S.I.		

WESTERN TESTING CO., INC.

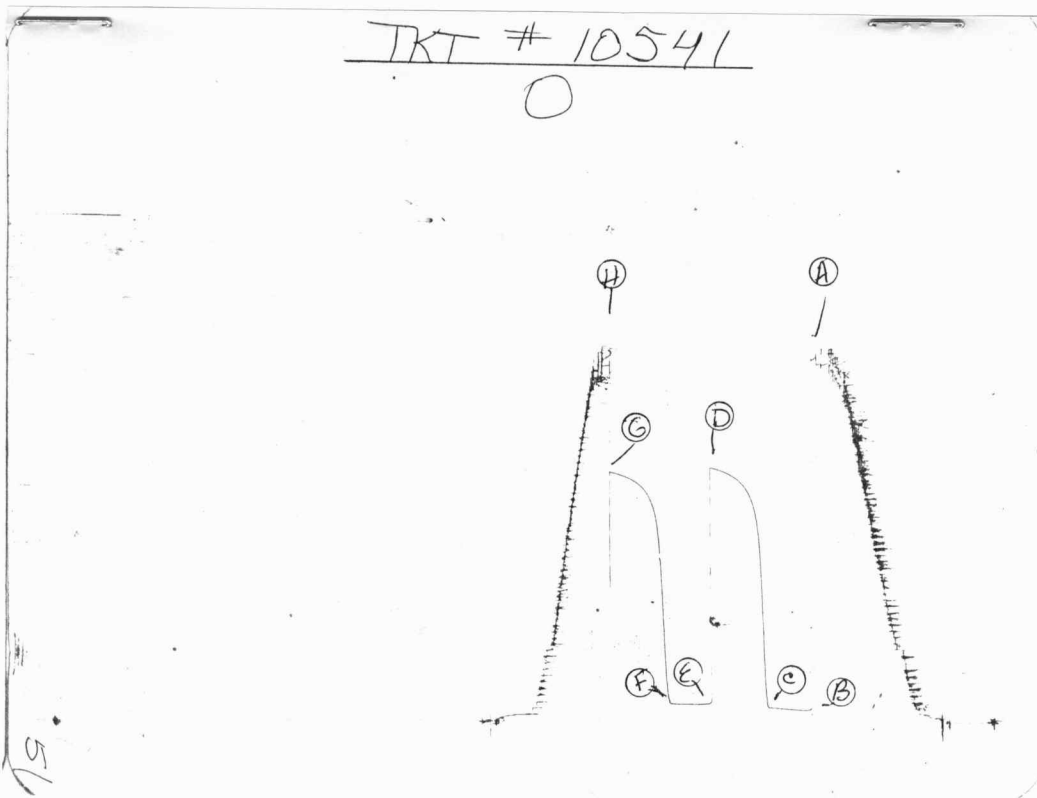
Pressure Data

Date 5/4/81 Recorder No. 3351 Capacity 4000 Test Ticket No. 10541
 Location 3441 Ft. 103
 Clock No. - Elevation 1844 Kelly Bushing Well Temperature 103 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1859	P.S.I.	10:15P	M
B First Initial Flow Pressure	48	P.S.I.	30	Mins.
C First Final Flow Pressure	60	P.S.I.	45	Mins.
D Initial Closed-in Pressure	1300	P.S.I.	30	Mins.
E Second Initial Flow Pressure	82	P.S.I.	45	Mins.
F Second Final Flow Pressure	81	P.S.I.		
G Final Closed-in Pressure	1278	P.S.I.		
H Final Hydrostatic Mud	1819	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>14</u> Inc.		Breakdown: <u>6</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 0	48	0	60	0	82	0	81
P 2 5	46	3	426	5	80	3	321
P 3 10	47	6	910	10	78	6	801
P 4 15	50	9	1060	15	78	9	1012
P 5 20	52	12	1131	20	78	12	1103
P 6 25	56	15	1177	25	79	15	1147
P 7 30	60	18	1204	30	81	18	1183
P 8		21	1228			21	1206
P 9		24	1246			24	1222
P10		27	1258			27	1238
P11		30	1272			30	1248
P12		33	1280			33	1258
P13		36	1288			36	1264
P14		39	1293			39	1272
P15		42	1300			42	1276
P16						45	1278
P17							
P18							
P19							
P20							



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1853	1859	PSI
(B) First Initial Flow Pressure	40	48	PSI
(C) First Final Flow Pressure	60	60	PSI
(D) Initial Closed-in Pressure	1297	1300	PSI
(E) Second Initial Flow Pressure	70	82	PSI
(F) Second Final Flow Pressure	80	81	PSI
(G) Final Closed-in Pressure	1267	1278	PSI
(H) Final Hydrostatic Mud	1823	1819	PSI



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Company J. A. Allison Lease & Well No. Shriver #3
Elevation 1844 Kelly Bushing Formation Kansas City Effective Pay - Ft. Ticket No. 10542
Date 5/5/81 Sec. 16 Twp. 26S Range 11W County Pratt State Kansas
Test Approved by Robert E McCann Western Representative Jeff Beauchamp
Formation Test No. 2 Interval Tested from 3596 ft. to 3630 ft. Total Depth 3630 ft.
Packer Depth 3591 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 3596 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3621 ft. Recorder Number 2607 Cap. 4000
Bottom Recorder Depth (Outside) 3624 ft. Recorder Number 3351 Cap. 4150
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Burgman Rig #1 Drill Collar Length - I. D. - in.
Mud Type Starch Viscosity 39 Weight Pipe Length 404 I. D. 3.3 in.
Weight 10.0 Water Loss 17.6 cc. Drill Pipe Length - I. D. 3.8 in.
Chlorides 84,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.
Jars: Make - Serial Number - Anchor Length 34 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 5H in.

Blow: Strong in 3 minutes initial flow period. Gas to surface in 32 minutes. See attached sheet for gas measurements.

Recovered	10	ft. of	slightly oil & gas cut mud
Recovered	120	ft. of	heavy oil & gas cut mud
Recovered	120	ft. of	froggy oil
Recovered	60	ft. of	clean oil
Recovered		ft. of	

Remarks: _____

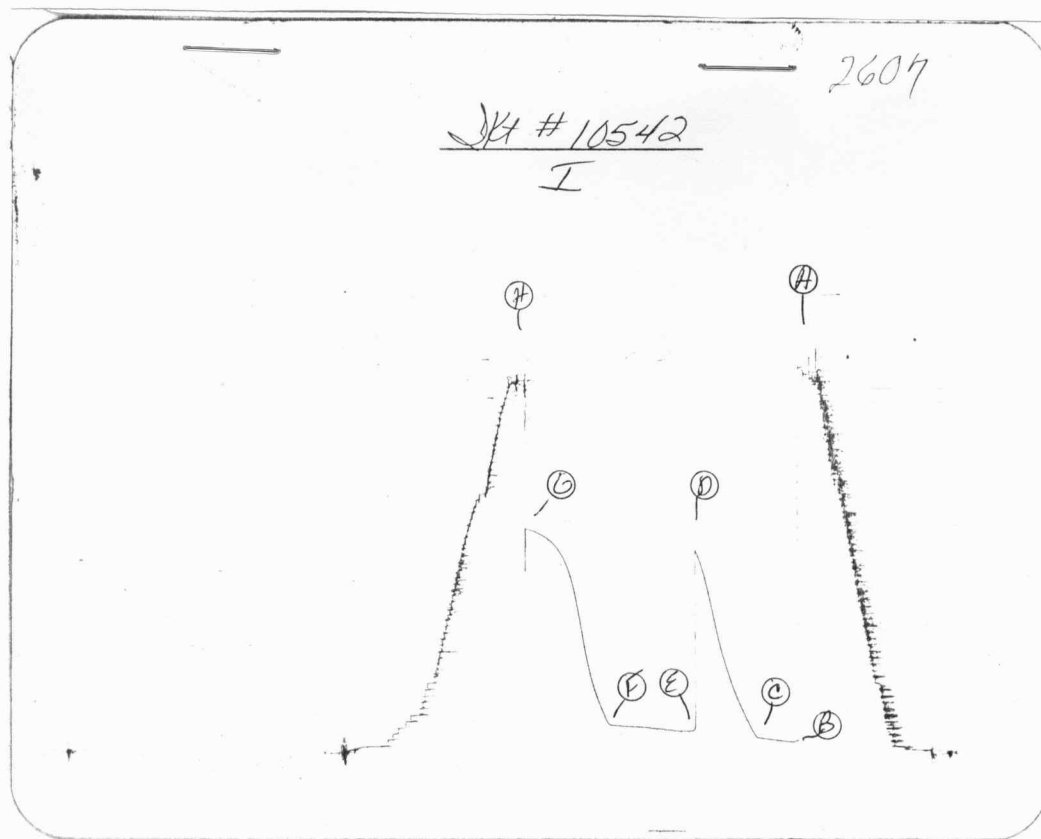
Time Set Packer(s)	<u>12:00</u>	<u>A.M.</u> <u>P.M.</u>	Time Started Off Bottom	<u>3:15</u>	<u>A.M.</u> <u>P.M.</u>	Maximum Temperature	<u>107</u>
Initial Hydrostatic Pressure			(A)	<u>2051</u>	P.S.I.		
Initial Flow Period			Minutes	<u>30</u>	(B)	<u>57</u>	P.S.I. to (C) <u>78</u> P.S.I.
Initial Closed In Period			Minutes	<u>45</u>	(D)	<u>1082</u>	P.S.I.
Final Flow Period			Minutes	<u>60</u>	(E)	<u>123</u>	P.S.I. to (F) <u>148</u> P.S.I.
Final Closed In Period			Minutes	<u>63</u>	(G)	<u>1199</u>	P.S.I.
Final Hydrostatic Pressure			(H)	<u>1993</u>	P.S.I.		

WESTERN TESTING CO., INC.
Pressure Data

Date 5/5/81 Test Ticket No. 10542
 Recorder No. 2607 Capacity 4000 Location 3621 Ft.
 Clock No. _____ Elevation 1844 Kelly Bushing Well Temperature 107 °F
 Point Pressure Time Given Time Computed
 A Initial Hydrostatic Mud 2051 P.S.I. Open Tool 12:00A M
 B First Initial Flow Pressure 57 P.S.I. First Flow Pressure 30 Mins. 30 Mins.
 C First Final Flow Pressure 78 P.S.I. Initial Closed-in Pressure 45 Mins. 45 Mins.
 D Initial Closed-in Pressure 1082 P.S.I. Second Flow Pressure 60 Mins. 60 Mins.
 E Second Initial Flow Pressure 123 P.S.I. Final Closed-in Pressure 60 Mins. 63 Mins.
 F Second Final Flow Pressure 148 P.S.I.
 G Final Closed-in Pressure 1199 P.S.I.
 H Final Hydrostatic Mud 1993 P.S.I.

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>15</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>21</u> Inc. of <u>3</u> mins. and a 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>57</u>	<u>0</u>	<u>78</u>	<u>0</u>	<u>123</u>	<u>0</u>	<u>148</u>
P 2 <u>5</u>	<u>56</u>	<u>3</u>	<u>112</u>	<u>5</u>	<u>116</u>	<u>3</u>	<u>176</u>
P 3 <u>10</u>	<u>59</u>	<u>6</u>	<u>154</u>	<u>10</u>	<u>116</u>	<u>6</u>	<u>227</u>
P 4 <u>15</u>	<u>65</u>	<u>9</u>	<u>199</u>	<u>15</u>	<u>117</u>	<u>9</u>	<u>286</u>
P 5 <u>20</u>	<u>70</u>	<u>12</u>	<u>250</u>	<u>20</u>	<u>123</u>	<u>12</u>	<u>345</u>
P 6 <u>25</u>	<u>76</u>	<u>15</u>	<u>296</u>	<u>25</u>	<u>129</u>	<u>15</u>	<u>428</u>
P 7 <u>30</u>	<u>78</u>	<u>18</u>	<u>356</u>	<u>30</u>	<u>132</u>	<u>18</u>	<u>521</u>
P 8 _____		<u>21</u>	<u>419</u>	<u>35</u>	<u>137</u>	<u>21</u>	<u>637</u>
P 9 _____		<u>24</u>	<u>485</u>	<u>40</u>	<u>140</u>	<u>24</u>	<u>750</u>
P10 _____		<u>27</u>	<u>560</u>	<u>45</u>	<u>142</u>	<u>27</u>	<u>860</u>
P11 _____		<u>30</u>	<u>650</u>	<u>50</u>	<u>143</u>	<u>30</u>	<u>941</u>
P12 _____		<u>33</u>	<u>741</u>	<u>55</u>	<u>144</u>	<u>33</u>	<u>1010</u>
P13 _____		<u>36</u>	<u>839</u>	<u>60</u>	<u>148</u>	<u>36</u>	<u>1056</u>
P14 _____		<u>39</u>	<u>935</u>			<u>39</u>	<u>1092</u>
P15 _____		<u>42</u>	<u>1013</u>			<u>42</u>	<u>1115</u>
P16 _____		<u>45</u>	<u>1082</u>			<u>45</u>	<u>1136</u>
P17 _____						<u>48</u>	<u>1153</u>
P18 _____						<u>51</u>	<u>1167</u>
P19 _____						<u>54</u>	<u>1178</u>
P20 _____						<u>57</u>	<u>1188</u>
						<u>60</u>	<u>1196</u>
						<u>63</u>	<u>1199</u>



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2046	2051	PSI
(B) First Initial Flow Pressure	31	57	PSI
(C) First Final Flow Pressure	73	78	PSI
(D) Initial Closed-in Pressure	1071	1082	PSI
(E) Second Initial Flow Pressure	105	123	PSI
(F) Second Final Flow Pressure	148	148	PSI
(G) Final Closed-in Pressure	1175	1199	PSI
(H) Final Hydrostatic Mud	1993	1993	PSI



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Company J. A. Allison Lease & Well No. Shriver #3
Elevation 1844 Kelly Bushing Formation Kansas City Effective Pay - Ft. Ticket No. 10543
Date 5/6/81 Sec. 16 Twp. 26S Range 11W County Pratt State Kansas
Test Approved by Robert E McCann Western Representative Jeff Beauchamp
Formation Test No. 3 Interval Tested from 3633 ft. to 3658 ft. Total Depth 3658 ft.
Packer Depth 3628 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 3633 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3651 ft. Recorder Number 2607 Cap. 4000
Bottom Recorder Depth (Outside) 3654 ft. Recorder Number 3351 Cap. 4150
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Burgman Rig #1 Drill Collar Length - I. D. - in.
Mud Type Starch Viscosity 38 Weight Pipe Length 404 I. D. 3.3 in.
Weight 10.0 Water Loss 18.4 cc. Drill Pipe Length 3209 I. D. 3.8 in.
Chlorides 69,000 P.P.M. Test Tool Length 20 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 - Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7 7/8 in. Tool Joint Size 5H in.
Blow: Gas to surface in 8 minutes. See attached sheet for gas measurements.

Recovered 90 ft. of gassy mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 3:28 A.M. Time Started Off Bottom 6:43 P.M. Maximum Temperature 110
Initial Hydrostatic Pressure (A) 1962 P.S.I.
Initial Flow Period Minutes 30 (B) 106 P.S.I. to (C) 75 P.S.I.
Initial Closed In Period Minutes 45 (D) 1399 P.S.I.
Final Flow Period Minutes 60 (E) 99 P.S.I. to (F) 72 P.S.I.
Final Closed In Period Minutes 60 (G) 1393 P.S.I.
Final Hydrostatic Pressure (H) 1951 P.S.I.



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GAS FLOW REPORT

Date 5/6/81 Ticket 10543 Company J. A. Allison
Well Name and No. Shriver #3 Dst No. 3 Interval Tested 3633-58
County Pratt State Kansas Sec. 16 Twp. 26S Rg. 11W

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						
	3:36	22" water	3/4" Orifice			66,600 C.F.P.D.
	3:46	30" water	3/4" Orifice			77,800 C.F.P.D.
	3:56	30" water	3/4" Orifice			77,800 C.F.P.D.

SECOND FLOW						
	4:43	2.0 PSIG	3/4" Orifice			108,000 C.F.P.D.
	4:53	2.0 PSIG	1/2" Orifice			47,700 C.F.P.D.
	5:03	5.0 PSIG	1/2" Orifice			78,100 C.F.P.D.
	5:13	5.0 PSIG	1/2" Orifice			78,100 C.F.P.D.
	5:23	6.0 PSIG	1/2" Orifice			86,300 C.F.P.D.
	5:33	6.0 PSIG	1/2" Orifice			86,300 C.F.P.D.
	5:43	6.0 PSIG	1/2" Orifice			86,300 C.F.P.D.

GAS BOTTLE

Serial No. - Date Bottle Filled - Date to be Invoiced 5/6/81

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 Robert E McCann

WESTERN TESTING CO., INC.

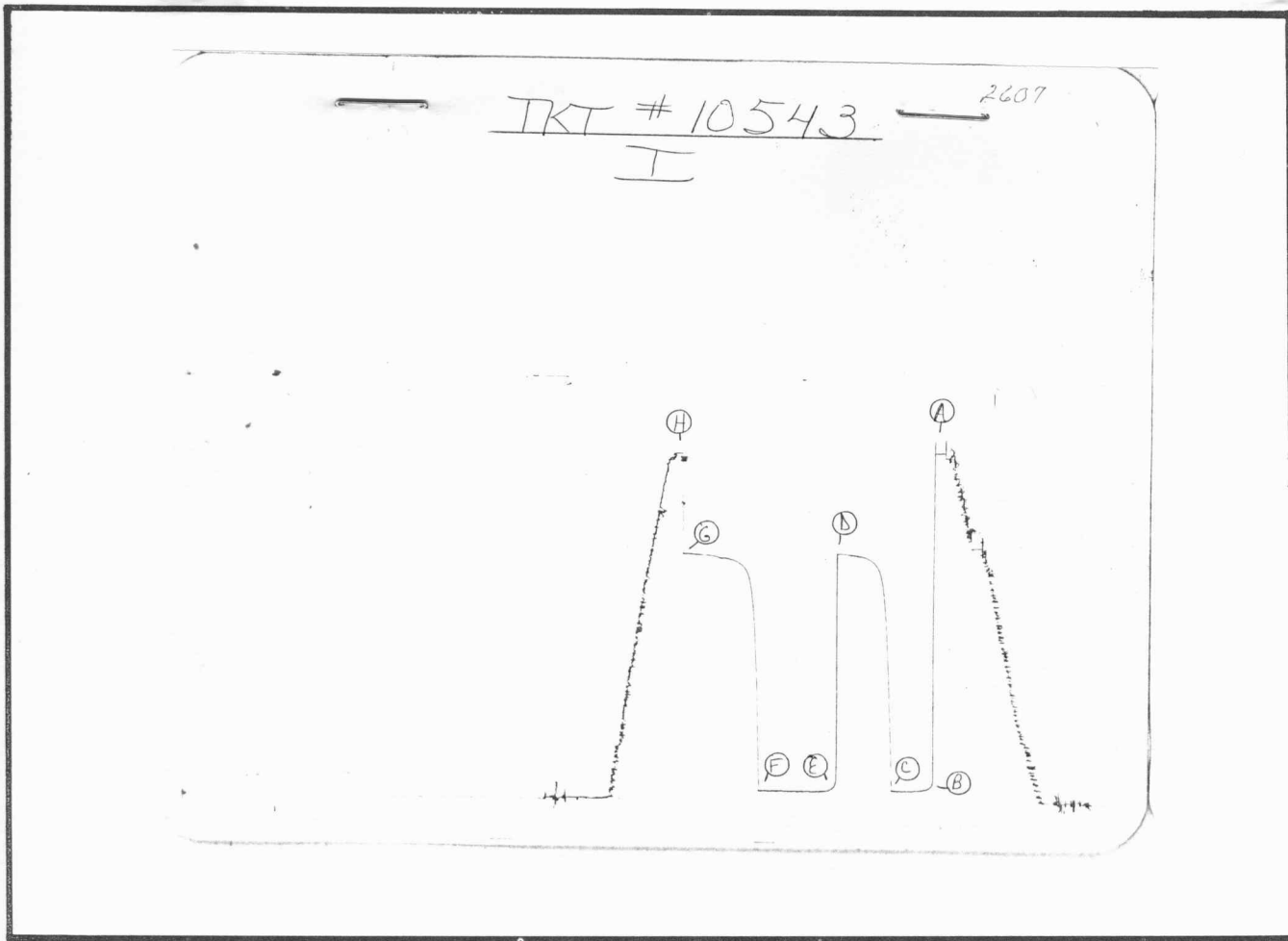
Pressure Data

Date 5-6-81Test Ticket No. 10543Recorder No. 2607Capacity 4000Location 3651 Ft.Clock No. -----Elevation 1844 Kelly BushingWell Temperature 110 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1962</u> P.S.I.	Open Tool	<u>3:28 P M</u>	
B First Initial Flow Pressure	<u>106</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>75</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1399</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>99</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>72</u> P.S.I.			
G Final Closed-in Pressure	<u>1393</u> P.S.I.			
H Final Hydrostatic Mud	<u>1951</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>12</u> Inc.		Breakdown: <u>20</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>106</u>	<u>0</u>	<u>75</u>	<u>0</u>	<u>99</u>	<u>0</u>	<u>72</u>
P 2 <u>5</u>	<u>84</u>	<u>3</u>	<u>575</u>	<u>5</u>	<u>78</u>	<u>3</u>	<u>827</u>
P 3 <u>10</u>	<u>78</u>	<u>6</u>	<u>941</u>	<u>10</u>	<u>72</u>	<u>6</u>	<u>1092</u>
P 4 <u>15</u>	<u>75</u>	<u>9</u>	<u>1184</u>	<u>15</u>	<u>72</u>	<u>9</u>	<u>1242</u>
P 5 <u>20</u>	<u>75</u>	<u>12</u>	<u>1286</u>	<u>20</u>	<u>72</u>	<u>12</u>	<u>1299</u>
P 6 <u>25</u>	<u>75</u>	<u>15</u>	<u>1330</u>	<u>25</u>	<u>72</u>	<u>15</u>	<u>1328</u>
P 7 <u>30</u>	<u>75</u>	<u>18</u>	<u>1353</u>	<u>30</u>	<u>72</u>	<u>18</u>	<u>1343</u>
P 8		<u>21</u>	<u>1368</u>	<u>35</u>	<u>72</u>	<u>21</u>	<u>1355</u>
P 9		<u>24</u>	<u>1378</u>	<u>40</u>	<u>72</u>	<u>24</u>	<u>1364</u>
P10		<u>27</u>	<u>1385</u>	<u>45</u>	<u>72</u>	<u>27</u>	<u>1368</u>
P11		<u>30</u>	<u>1389</u>	<u>50</u>	<u>72</u>	<u>30</u>	<u>1369</u>
P12		<u>33</u>	<u>1391</u>	<u>55</u>	<u>72</u>	<u>33</u>	<u>1372</u>
P13		<u>36</u>	<u>1393</u>	<u>60</u>	<u>72</u>	<u>36</u>	<u>1378</u>
P14		<u>39</u>	<u>1395</u>			<u>39</u>	<u>1382</u>
P15		<u>42</u>	<u>1397</u>			<u>42</u>	<u>1385</u>
P16		<u>45</u>	<u>1399</u>			<u>45</u>	<u>1387</u>
P17						<u>48</u>	<u>1388</u>
P18						<u>51</u>	<u>1389</u>
P19						<u>54</u>	<u>1390</u>
P20						<u>57</u>	<u>1391</u>
						<u>60</u>	<u>1393</u>



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1962	1962	PSI
(B) First Initial Flow Pressure	52	106	PSI
(C) First Final Flow Pressure	63	75	PSI
(D) Initial Closed-in Pressure	1395	1399	PSI
(E) Second Initial Flow Pressure	63	99	PSI
(F) Second Final Flow Pressure	63	72	PSI
(G) Final Closed-in Pressure	1395	1393	PSI
(H) Final Hydrostatic Mud	1951	1951	PSI



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Company J. A. Allison Lease & Well No. Shriver #3
Elevation 1844 Kelly Bushing Formation Kansas City Effective Pay - Ft. Ticket No. 10544
Date 5/7/81 Sec. 16 Twp. 26S Range 11W County Pratt State Kansas
Test Approved by Robert E McCann Western Representative Jeff Beauchamp
Formation Test No. 4 Interval Tested from 3660 ft. to 3695 ft. Total Depth 3695 ft.
Packer Depth 3655 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 3660 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3688 ft. Recorder Number 2607 Cap. 4000
Bottom Recorder Depth (Outside) 3691 ft. Recorder Number 3351 Cap. 4150
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Burgman Rig #1 Drill Collar Length - I. D. - in.
Mud Type Starch Viscosity 38 Weight Pipe Length 404 I. D. 3.3 in.
Weight 10.0 Water Loss 18.4 cc. Drill Pipe Length 3236 I. D. 3.8 in.
Chlorides 69,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.
Jars: Make - Serial Number - Anchor Length 35 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 5H in.

Blow: Strong throughout test.

Recovered 1620 ft. of gas in pipe
Recovered 110 ft. of heavy oil & gas cut muddy water
Recovered 90 ft. of oil & gas cut muddy water
Recovered ft. of
Recovered ft. of

Remarks:

Time Set Packer(s) 9:00 A.M. P.M. Time Started Off Bottom 12:15 A.M. P.M. Maximum Temperature 117
Initial Hydrostatic Pressure (A) 1941 P.S.I.
Initial Flow Period Minutes 30 (B) 112 P.S.I. to (C) 95 P.S.I.
Initial Closed In Period Minutes 45 (D) 1330 P.S.I.
Final Flow Period Minutes 60 (E) 142 P.S.I. to (F) 129 P.S.I.
Final Closed In Period Minutes 63 (G) 1318 P.S.I.
Final Hydrostatic Pressure (H) 1920 P.S.I.

WESTERN TESTING CO., INC.

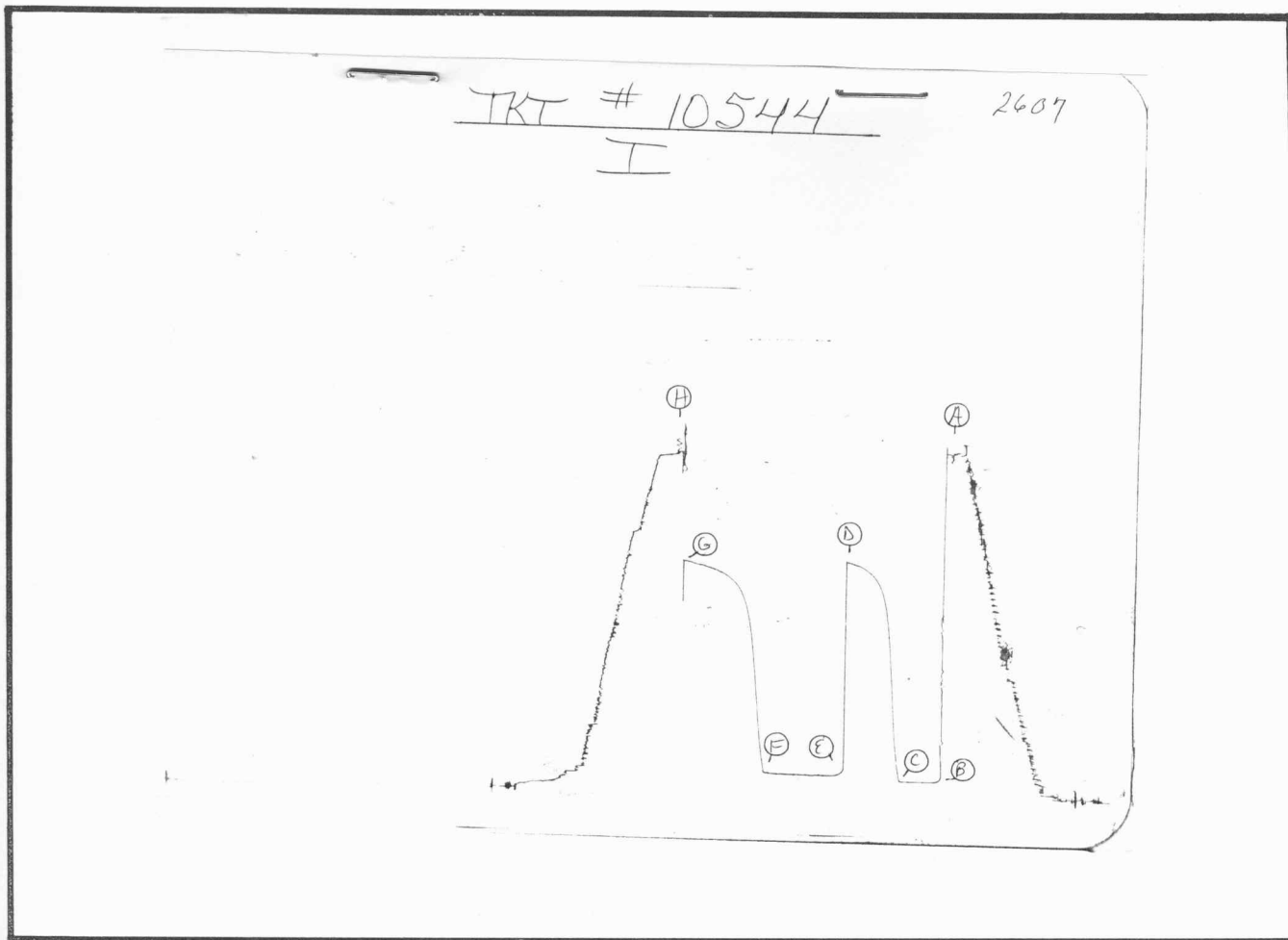
Pressure Data

Date 5-7-81 Test Ticket No. 10544
 Recorder No. 2607 Capacity 4000 Location 3688 Ft.
 Clock No. ----- Elevation 1844 Kelly Bushing Well Temperature 117 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud <u>1941</u> P.S.I.	Open Tool	<u>9:00</u> M	
B First Initial Flow Pressure <u>112</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure <u>95</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure <u>1330</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure <u>142</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>63</u> Mins.
F Second Final Flow Pressure <u>129</u> P.S.I.			
G Final Closed-in Pressure <u>1318</u> P.S.I.			
H Final Hydrostatic Mud <u>1920</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>12</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>112</u>	<u>0</u>	<u>95</u>	<u>0</u>	<u>142</u>	<u>0</u>	<u>129</u>
P 2 <u>5</u>	<u>95</u>	<u>3</u>	<u>243</u>	<u>5</u>	<u>125</u>	<u>3</u>	<u>277</u>
P 3 <u>10</u>	<u>95</u>	<u>6</u>	<u>510</u>	<u>10</u>	<u>122</u>	<u>6</u>	<u>494</u>
P 4 <u>15</u>	<u>95</u>	<u>9</u>	<u>812</u>	<u>15</u>	<u>122</u>	<u>9</u>	<u>733</u>
P 5 <u>20</u>	<u>95</u>	<u>12</u>	<u>1008</u>	<u>20</u>	<u>122</u>	<u>12</u>	<u>918</u>
P 6 <u>25</u>	<u>95</u>	<u>15</u>	<u>1127</u>	<u>25</u>	<u>122</u>	<u>15</u>	<u>1036</u>
P 7 <u>30</u>	<u>95</u>	<u>18</u>	<u>1184</u>	<u>30</u>	<u>122</u>	<u>18</u>	<u>1113</u>
P 8		<u>21</u>	<u>1224</u>	<u>35</u>	<u>122</u>	<u>21</u>	<u>1161</u>
P 9		<u>24</u>	<u>1253</u>	<u>40</u>	<u>123</u>	<u>24</u>	<u>1190</u>
P10		<u>27</u>	<u>1272</u>	<u>45</u>	<u>124</u>	<u>27</u>	<u>1211</u>
P11		<u>30</u>	<u>1288</u>	<u>50</u>	<u>125</u>	<u>30</u>	<u>1230</u>
P12		<u>33</u>	<u>1301</u>	<u>55</u>	<u>126</u>	<u>33</u>	<u>1245</u>
P13		<u>36</u>	<u>1311</u>	<u>60</u>	<u>129</u>	<u>36</u>	<u>1257</u>
P14		<u>39</u>	<u>1318</u>			<u>39</u>	<u>1267</u>
P15		<u>42</u>	<u>1324</u>			<u>42</u>	<u>1276</u>
P16		<u>45</u>	<u>1330</u>			<u>45</u>	<u>1282</u>
P17						<u>48</u>	<u>1291</u>
P18						<u>51</u>	<u>1296</u>
P19						<u>54</u>	<u>1299</u>
P20						<u>57</u>	<u>1305</u>
						<u>60</u>	<u>1314</u>
						<u>63</u>	<u>1318</u>



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1941	1941	PSI
(B) First Initial Flow Pressure	84	112	PSI
(C) First Final Flow Pressure	84	95	PSI
(D) Initial Closed-in Pressure	1332	1330	PSI
(E) Second Initial Flow Pressure	52	142	PSI
(F) Second Final Flow Pressure	73	129	PSI
(G) Final Closed-in Pressure	1300	1318	PSI
(H) Final Hydrostatic Mud	1920	1920	PSI



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P.O. Box 1599

(316) 262-5861

Company J. A. AllisonLease & Well No. Shriver #3Elevation - Formation Kansas City Effective Pay - Ft. Ticket No. 10604Date 5/8/81 Sec. 16 Twp. 26S Range 11W County Pratt State KansasTest Approved by Robert E McCann Western Representative Jim WondraFormation Test No. 5 Interval Tested from 3765 ft. to 3785 ft. Total Depth 3785 ft.Packer Depth 3760 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.Packer Depth 3765 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.Depth of Selective Zone Set -Top Recorder Depth (Inside) 3775 ft. Recorder Number 2607 Cap. 4150Bottom Recorder Depth (Outside) 3778 ft. Recorder Number 3351 Cap. 4000Below Straddle Recorder Depth - ft. Recorder Number - Cap. -Drilling Contractor Bergman Drilling Rig #1 Drill Collar Length - I. D. - in.Mud Type Starch Viscosity 50 Weight Pipe Length 662 I. D. 2.7 in.Weight 9.7 Water Loss 12.4 cc. Drill Pipe Length 3082 I. D. 3.8 in.Chlorides 59,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.Jars: Make - Serial Number - Anchor Length 20 ft. Size 5 1/2 OD in.Did Well Flow? Yes 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: Strong blow throughout test. Gas to surface in 26 minutes on preflow. See attached sheet for gas measurements.Recovered 90 ft. of very heavily oil & gas cut mudRecovered 120 ft. of froggy oilRecovered 175 ft. of gassy oilRecovered 5 ft. of oil cut muddy waterRecovered - ft. of -

Remarks:

Time Set Packer(s) 9:15 ~~P.M.~~ A.M. Time Started Off Bottom 12:30 ~~P.M.~~ A.M. Maximum Temperature 118Initial Hydrostatic Pressure 1993 (A) P.S.I.Initial Flow Period 30 Minutes (B) 84 P.S.I. to (C) 84 P.S.I.Initial Closed In Period 45 Minutes (D) 1245 P.S.I.Final Flow Period 60 Minutes (E) 154 P.S.I. to (F) 165 P.S.I.Final Closed In Period 60 Minutes (G) 1251 P.S.I.Final Hydrostatic Pressure 1962 (H) P.S.I.



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P.O. Box 1599 (316) 262-5861

GAS FLOW REPORT

Date 5/8/81 Ticket 10604 Company J. A. Allison
Well Name and No. Chriver #3 Dst No. 5 Interval Tested 3765-3785
County Pratt State Kansas Sec. 16 Twp. 26S Rg. 11W

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
Gas to surface in 26 minutes. PRE FLOW						
	30 Min	14" water	1/4" Orifice			6,330 C.F.P.D.

SECOND FLOW

	5 Min	22" water	1/2" Orifice			29,400 C.F.P.D.
	10 Min	10" water	1/2" Orifice			19,900 C.F.P.D.
	20 Min	5" water	1/2" Orifice			14,100 C.F.P.D.
	30 Min	4" water	1/2" Orifice			12,500 C.F.P.D.
	40 Min	4" water	1/2" Orifice			12,500 C.F.P.D.
	50 Min	4" water	1/2" Orifice			12,500 C.F.P.D.
	60 Min	4" water	1/2" Orifice			12,500 C.F.P.D.

GAS BOTTLE

Serial No. - Date Bottle Filled - Date to be Invoiced 5/8/81

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 Robert E McCann

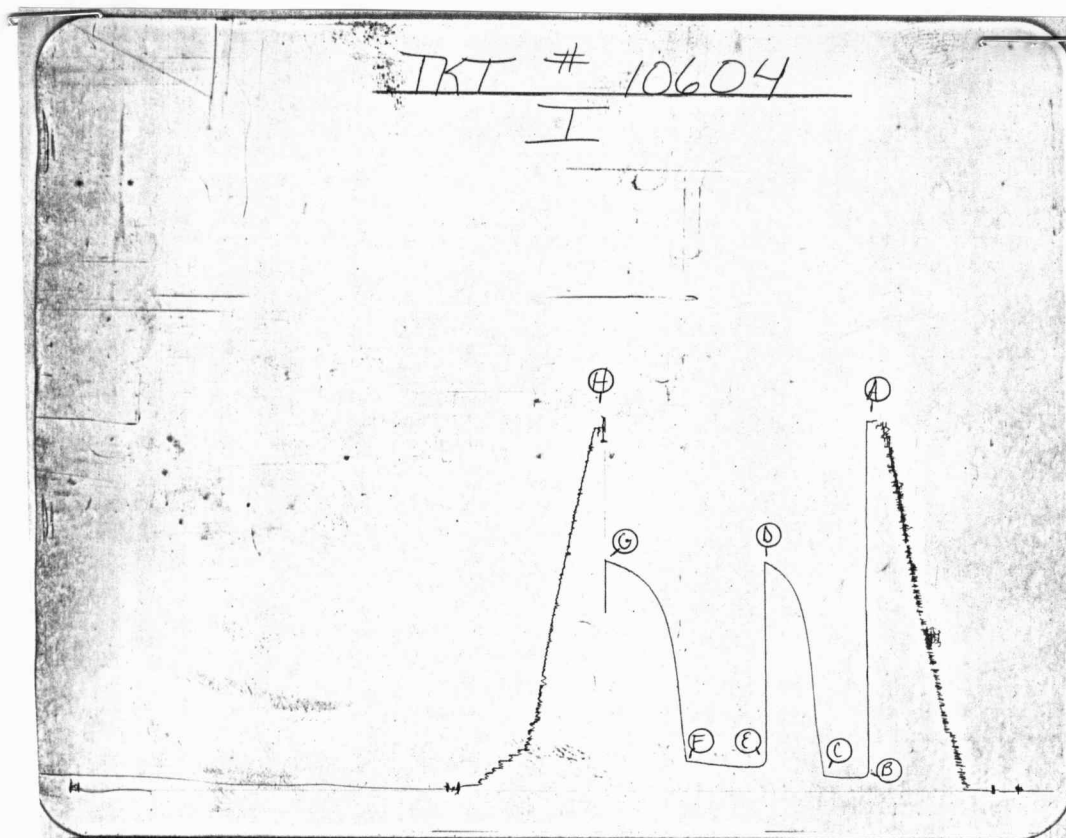
WESTERN TESTING CO., INC.
Pressure Data

Date 5/8/81 Test Ticket No. 10604
Recorder No. 2607 Capacity 4150 Location 3775 Ft.
Clock No. - Elevation - Well Temperature 118 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud <u>1993</u> P.S.I.	Open Tool	<u>9:15A</u> M	
B First Initial Flow Pressure <u>84</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure <u>84</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure <u>1245</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure <u>154</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure <u>165</u> P.S.I.			
G Final Closed-in Pressure <u>1251</u> P.S.I.			
H Final Hydrostatic Mud <u>1962</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>12</u> Inc.		Breakdown: <u>20</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>84</u>	<u>0</u>	<u>84</u>	<u>0</u>	<u>154</u>	<u>0</u>	<u>165</u>
P 2 <u>5</u>	<u>78</u>	<u>3</u>	<u>97</u>	<u>5</u>	<u>137</u>	<u>3</u>	<u>343</u>
P 3 <u>10</u>	<u>78</u>	<u>6</u>	<u>248</u>	<u>10</u>	<u>136</u>	<u>6</u>	<u>552</u>
P 4 <u>15</u>	<u>77</u>	<u>9</u>	<u>436</u>	<u>15</u>	<u>135</u>	<u>9</u>	<u>723</u>
P 5 <u>20</u>	<u>77</u>	<u>12</u>	<u>714</u>	<u>20</u>	<u>136</u>	<u>12</u>	<u>841</u>
P 6 <u>25</u>	<u>79</u>	<u>15</u>	<u>877</u>	<u>25</u>	<u>140</u>	<u>15</u>	<u>929</u>
P 7 <u>30</u>	<u>84</u>	<u>18</u>	<u>983</u>	<u>30</u>	<u>144</u>	<u>18</u>	<u>994</u>
P 8		<u>21</u>	<u>1054</u>	<u>35</u>	<u>146</u>	<u>21</u>	<u>1042</u>
P 9		<u>24</u>	<u>1102</u>	<u>40</u>	<u>150</u>	<u>24</u>	<u>1079</u>
P10		<u>27</u>	<u>1136</u>	<u>45</u>	<u>154</u>	<u>27</u>	<u>1111</u>
P11		<u>30</u>	<u>1163</u>	<u>50</u>	<u>161</u>	<u>30</u>	<u>1134</u>
P12		<u>33</u>	<u>1188</u>	<u>55</u>	<u>164</u>	<u>33</u>	<u>1155</u>
P13		<u>36</u>	<u>1207</u>	<u>60</u>	<u>165</u>	<u>36</u>	<u>1176</u>
P14		<u>39</u>	<u>1222</u>			<u>39</u>	<u>1187</u>
P15		<u>42</u>	<u>1236</u>			<u>42</u>	<u>1201</u>
P16		<u>45</u>	<u>1245</u>			<u>45</u>	<u>1213</u>
P17						<u>48</u>	<u>1224</u>
P18						<u>51</u>	<u>1231</u>
P19						<u>54</u>	<u>1240</u>
P20						<u>57</u>	<u>1247</u>
						<u>60</u>	<u>1251</u>



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1993	1993	PSI
(B) First Initial Flow Pressure	73	84	PSI
(C) First Final Flow Pressure	84	84	PSI
(D) Initial Closed-in Pressure	1238	1245	PSI
(E) Second Initial Flow Pressure	137	154	PSI
(F) Second Final Flow Pressure	158	165	PSI
(G) Final Closed-in Pressure	1238	1251	PSI
(H) Final Hydrostatic Mud	1972	1962	PSI



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Company J. A. Allison Lease & Well No. Shriver #3
Elevation - Formation Kansas City Effective Pay - Ft. Ticker No. 10605
Date 5/9/81 Sec. 16 Twp. 26S Range 11W County Pratt State Kansas
Test Approved by Robert E McCann Western Representative Jim Wondra
Formation Test No. 6 Interval Tested from 3800 ft. to 3820 ft. Total Depth 3820 ft.
Packer Depth 3795 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 3800 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3810 ft. Recorder Number 2607 Cap. 4150
Bottom Recorder Depth (Outside) 3813 ft. Recorder Number 3351 Cap. 4000
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Bergman Drilling Rig #1 Drill Collar Length - I. D. - in.
Mud Type Starch Viscosity 50 Weight Pipe Length 662 I. D. 2.7 in.
Weight 9.7 Water Loss 12.4 cc. Drill Pipe Length 3117 I. D. 3.8 in.
Chlorides 59,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.
Jars: Make - Serial Number - Anchor Length 20 ft. Size 5 1/2 OD in.
Did Well Flow? Yes 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: Strong blow throughout test. See attached sheet for gas measurements.

Recovered 360 ft. of clean gassy oil 33 gravity
Recovered 330 ft. of froggy oil
Recovered 30 ft. of oil cut muddy water
Recovered ft. of
Recovered ft. of

Remarks:

Time Set Packer(s) 2:45 ~~P.M.~~ A.M. Time Started Off Bottom 6:00 ~~P.M.~~ A.M. Maximum Temperature 118
Initial Hydrostatic Pressure (A) 2025 P.S.I.
Initial Flow Period Minutes 30 (B) 84 P.S.I. to (C) 127 P.S.I.
Initial Closed In Period Minutes 45 (D) 1391 P.S.I.
Final Flow Period Minutes 60 (E) 237 P.S.I. to (F) 252 P.S.I.
Final Closed In Period Minutes 60 (G) 1349 P.S.I.
Final Hydrostatic Pressure (H) 1994 P.S.I.



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P.O. Box 1599 (316) 262-5861

GAS FLOW REPORT

Date 5/9/81 Ticket 10605 Company J. A. Allison
Well Name and No. Shriver #3 Dst No. 6 Interval Tested 3800-3820
County Pratt State Kansas Sec. 16 Twp. 26S Rg. 11W

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						
Gas to surface in 12 minutes						
	20 Min	14" water	½" Orifice			23,700 C.F.P.D.
	30 Min	17" water	½" Orifice			25,800 C.F.P.D.

SECOND FLOW						
	5 Min	30" water	½" Orifice			34,300 C.F.P.D.
	10 Min	28" water	½" Orifice			33,200 C.F.P.D.
	20 Min	22" water	½" Orifice			29,400 C.F.P.D.
	30 Min	20" water	½" Orifice			28,000 C.F.P.D.
	40 Min	17" water	½" Orifice			25,800 C.F.P.D.
	50 Min	15" water	½" Orifice			24,500 C.F.P.D.
	60 Min	12" water	½" Orifice			21,900 C.F.P.D.

GAS BOTTLE

Serial No. _____ - Date Bottle Filled _____ - Date to be Invoiced 5/9/81

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 Robert E McCam

WESTERN TESTING CO., INC.

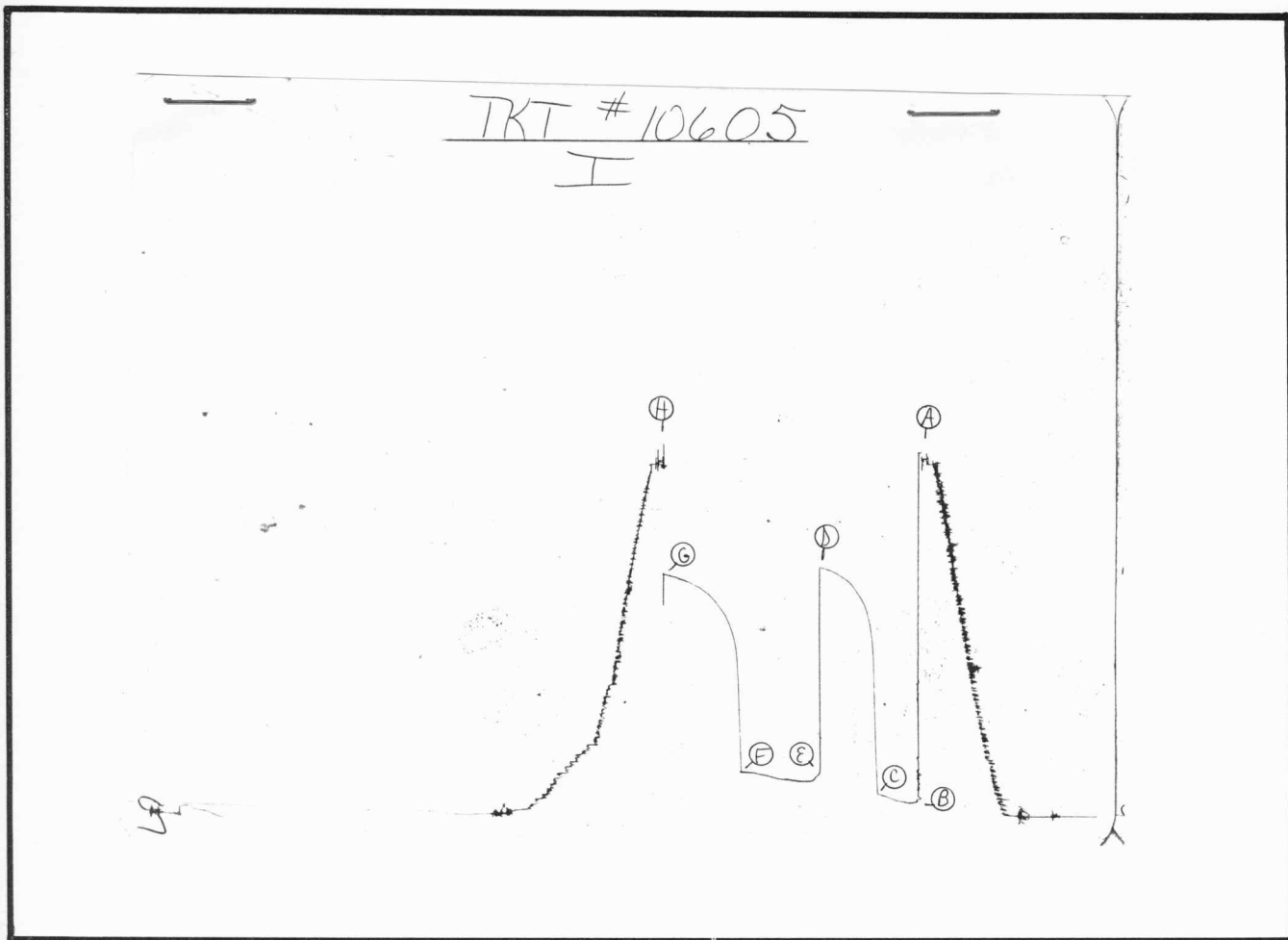
Pressure Data

Date 5/9/81 Test Ticket No. 10605
 Recorder No. 2607 Capacity 4150 Location 3810 Ft.
 Clock No. - Elevation - Well Temperature 118 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2025</u>	P.S.I.	<u>2:45A</u>	<u>M</u>
B First Initial Flow Pressure	<u>84</u>	P.S.I.	<u>30</u>	<u>30</u>
C First Final Flow Pressure	<u>127</u>	P.S.I.	<u>45</u>	<u>45</u>
D Initial Closed-in Pressure	<u>1391</u>	P.S.I.	<u>60</u>	<u>60</u>
E Second Initial Flow Pressure	<u>237</u>	P.S.I.	<u>60</u>	<u>60</u>
F Second Final Flow Pressure	<u>252</u>	P.S.I.		
G Final Closed-in Pressure	<u>1349</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1994</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>12</u> Inc.		Breakdown: <u>20</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>84</u>	<u>0</u>	<u>127</u>	<u>0</u>	<u>237</u>	<u>0</u>	<u>252</u>
P 2 <u>5</u>	<u>82</u>	<u>3</u>	<u>748</u>	<u>5</u>	<u>207</u>	<u>3</u>	<u>808</u>
P 3 <u>10</u>	<u>84</u>	<u>6</u>	<u>1052</u>	<u>10</u>	<u>199</u>	<u>6</u>	<u>990</u>
P 4 <u>15</u>	<u>90</u>	<u>9</u>	<u>1146</u>	<u>15</u>	<u>199</u>	<u>9</u>	<u>1059</u>
P 5 <u>20</u>	<u>101</u>	<u>12</u>	<u>1199</u>	<u>20</u>	<u>203</u>	<u>12</u>	<u>1109</u>
P 6 <u>25</u>	<u>116</u>	<u>15</u>	<u>1236</u>	<u>25</u>	<u>210</u>	<u>15</u>	<u>1142</u>
P 7 <u>30</u>	<u>127</u>	<u>18</u>	<u>1272</u>	<u>30</u>	<u>211</u>	<u>18</u>	<u>1173</u>
P 8		<u>21</u>	<u>1299</u>	<u>35</u>	<u>218</u>	<u>21</u>	<u>1201</u>
P 9		<u>24</u>	<u>1320</u>	<u>40</u>	<u>229</u>	<u>24</u>	<u>1226</u>
P10		<u>27</u>	<u>1334</u>	<u>45</u>	<u>237</u>	<u>27</u>	<u>1245</u>
P11		<u>30</u>	<u>1349</u>	<u>50</u>	<u>246</u>	<u>30</u>	<u>1261</u>
P12		<u>33</u>	<u>1362</u>	<u>55</u>	<u>249</u>	<u>33</u>	<u>1278</u>
P13		<u>36</u>	<u>1372</u>	<u>60</u>	<u>252</u>	<u>36</u>	<u>1286</u>
P14		<u>39</u>	<u>1382</u>			<u>39</u>	<u>1299</u>
P15		<u>42</u>	<u>1387</u>			<u>42</u>	<u>1309</u>
P16		<u>45</u>	<u>1391</u>			<u>45</u>	<u>1320</u>
P17						<u>48</u>	<u>1326</u>
P18						<u>51</u>	<u>1336</u>
P19						<u>54</u>	<u>1343</u>
P20						<u>57</u>	<u>1345</u>
						<u>60</u>	<u>1349</u>



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2014	2025	PSI
(B) First Initial Flow Pressure	73	84	PSI
(C) First Final Flow Pressure	116	127	PSI
(D) Initial Closed-in Pressure	1374	1391	PSI
(E) Second Initial Flow Pressure	179	237	PSI
(F) Second Final Flow Pressure	232	252	PSI
(G) Final Closed-in Pressure	1342	1349	PSI
(H) Final Hydrostatic Mud	1993	1994	PSI



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

Company J. A. Allison Lease & Well No. Shriver #3
Elevation - Formation Kansas City Effective Pay - Ft. Ticket No. 10606
Date 5/10/81 Sec. 16 Twp. 26S Range 11W County Pratt State Kansas
Test Approved by Robert E McCann Western Representative Jim Wondra
Formation Test No. 7 Interval Tested from 3892 ft. to 3916 ft. Total Depth 3916 ft.
Packer Depth 3887 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 3892 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3906 ft. Recorder Number 2607 Cap. 4150
Bottom Recorder Depth (Outside) 3909 ft. Recorder Number 3351 Cap. 4000
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Bergman Drilling Rig #1 Drill Collar Length - I. D. - in.
Mud Type Starch Viscosity 50 Weight Pipe Length 662 I. D. 2.7 in.
Weight 9.7 Water Loss 7.0 cc. Drill Pipe Length 3209 I. D. 3.8 in.
Chlorides 59,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.
Jars: Make - Serial Number - Anchor Length 24 ft. Size 5 1/2 OD in.
Did Well Flow? Yes 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: Strong blow throughout test. Gas to surface in 30 minutes on preflow. See attached sheet for gas measurements.

Recovered 100 ft. of very heavily oil & gas cut mud
Recovered 150 ft. of froggy oil
Recovered 120 ft. of clean gassy oil
Recovered 30 ft. of muddy water
Recovered ft. of

Remarks:

Time Set Packer(s) 12:25 ~~P.M.~~ A.M. Time Started Off Bottom 3:40 ~~P.M.~~ A.M. Maximum Temperature 119
Initial Hydrostatic Pressure (A) 2029 P.S.I.
Initial Flow Period Minutes 30 (B) 110 P.S.I. to (C) 99 P.S.I.
Initial Closed In Period Minutes 45 (D) 1287 P.S.I.
Final Flow Period Minutes 60 (E) 176 P.S.I. to (F) 182 P.S.I.
Final Closed In Period Minutes 66 (G) 1236 P.S.I.
Final Hydrostatic Pressure (H) 2004 P.S.I.



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GAS FLOW REPORT

Date 5/10/81 Ticket 10606 Company J. A. Allison
Well Name and No. Shriver #3 Dst No. 7 Interval Tested 3892-3916
County Pratt State Kansas Sec. 16 Twp. 26S Rg. 11W

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
Gas to surface in 30 minutes PRE FLOW						

SECOND FLOW

5 Min	24" Water	1/2" Orifice		30,700 C.F.P.D.
10 Min	17" water	1/2" Orifice		25,800 C.F.P.D.
20 Min	10" water	1/2" Orifice		19,900 C.F.P.D.
30 Min	7" water	1/2" Orifice		16,700 C.F.P.D.
40 Min	5" water	1/2" Orifice		14,100 C.F.P.D.
50 Min	4" water	1/2" Orifice		12,500 C.F.P.D.
60 Min	3" water	1/2" Orifice		10,900 C.F.P.D.

GAS BOTTLE

Serial No. _____ - Date Bottle Filled _____ - Date to be Invoiced 5/10/81

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 Robert E McCarn

WESTERN TESTING CO., INC.

Pressure Data

Date 5/10/81

Test Ticket No. 10606

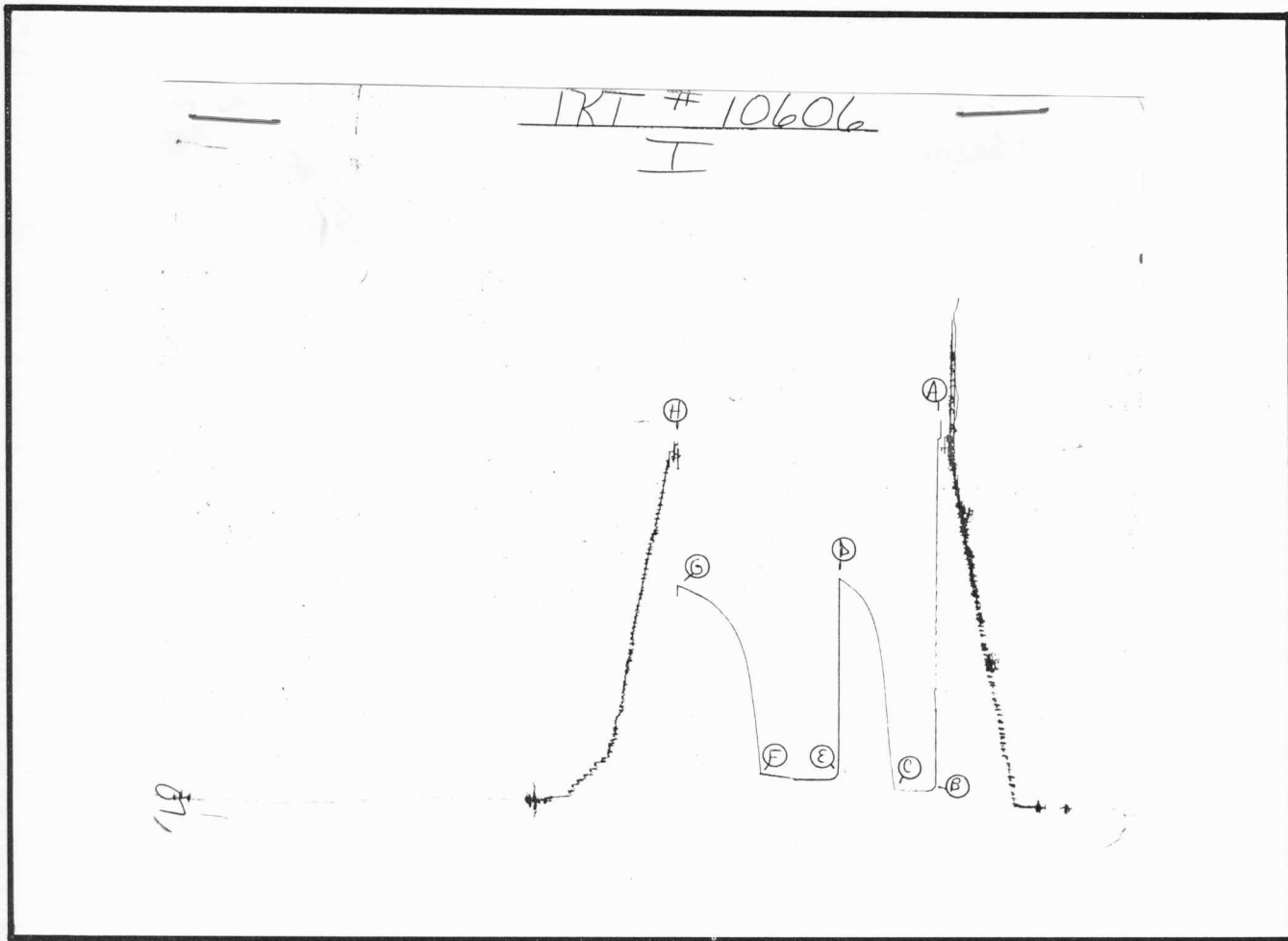
Recorder No. 2607 Capacity 4150 Location 3906 Ft.

Clock No. - Elevation - Well Temperature 119 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2029</u>	P.S.I.	<u>12:25A</u>	<u>M</u>
B First Initial Flow Pressure	<u>110</u>	P.S.I.	<u>30</u>	<u>30</u> Mins.
C First Final Flow Pressure	<u>99</u>	P.S.I.	<u>45</u>	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1287</u>	P.S.I.	<u>60</u>	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>176</u>	P.S.I.	<u>60</u>	<u>66</u> Mins.
F Second Final Flow Pressure	<u>182</u>	P.S.I.		
G Final Closed-in Pressure	<u>1236</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2004</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>12</u> Inc.		Breakdown: <u>22</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>110</u>	<u>0</u>	<u>99</u>	<u>0</u>	<u>176</u>	<u>0</u>	<u>182</u>
P 2 <u>5</u>	<u>95</u>	<u>3</u>	<u>269</u>	<u>5</u>	<u>157</u>	<u>3</u>	<u>413</u>
P 3 <u>10</u>	<u>93</u>	<u>6</u>	<u>506</u>	<u>10</u>	<u>153</u>	<u>6</u>	<u>575</u>
P 4 <u>15</u>	<u>93</u>	<u>9</u>	<u>741</u>	<u>15</u>	<u>153</u>	<u>9</u>	<u>714</u>
P 5 <u>20</u>	<u>93</u>	<u>12</u>	<u>898</u>	<u>20</u>	<u>153</u>	<u>12</u>	<u>818</u>
P 6 <u>25</u>	<u>95</u>	<u>15</u>	<u>1000</u>	<u>25</u>	<u>153</u>	<u>15</u>	<u>891</u>
P 7 <u>30</u>	<u>99</u>	<u>18</u>	<u>1073</u>	<u>30</u>	<u>153</u>	<u>18</u>	<u>948</u>
P 8		<u>21</u>	<u>1121</u>	<u>35</u>	<u>159</u>	<u>21</u>	<u>987</u>
P 9		<u>24</u>	<u>1159</u>	<u>40</u>	<u>164</u>	<u>24</u>	<u>1025</u>
P10		<u>27</u>	<u>1190</u>	<u>45</u>	<u>169</u>	<u>27</u>	<u>1056</u>
P11		<u>30</u>	<u>1213</u>	<u>50</u>	<u>173</u>	<u>30</u>	<u>1077</u>
P12		<u>33</u>	<u>1232</u>	<u>55</u>	<u>178</u>	<u>33</u>	<u>1102</u>
P13		<u>36</u>	<u>1249</u>	<u>60</u>	<u>182</u>	<u>36</u>	<u>1125</u>
P14		<u>39</u>	<u>1265</u>			<u>39</u>	<u>1142</u>
P15		<u>42</u>	<u>1280</u>			<u>42</u>	<u>1159</u>
P16		<u>45</u>	<u>1287</u>			<u>45</u>	<u>1171</u>
P17						<u>48</u>	<u>1186</u>
P18						<u>51</u>	<u>1194</u>
P19						<u>54</u>	<u>1207</u>
P20						<u>57</u>	<u>1215</u>
						<u>60</u>	<u>1224</u>
						<u>63</u>	<u>1233</u>
						<u>66</u>	<u>1236</u>



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2025	2029	PSI
(B) First Initial Flow Pressure	95	110	PSI
(C) First Final Flow Pressure	105	99	PSI
(D) Initial Closed-in Pressure	1300	1287	PSI
(E) Second Initial Flow Pressure	158	176	PSI
(F) Second Final Flow Pressure	179	182	PSI
(G) Final Closed-in Pressure	1248	1236	PSI
(H) Final Hydrostatic Mud	2004	2004	PSI