



Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Graves, etal. Lease & Well No. Wallace # 1
Elevation 1425 Derrick Floor Formation Mississippian Effective Pay 13 Ft. Ticket No. 10802
Date 4-14-68 Sec. 2 Twp. 31 Range 10 County Barber State Kansas
Test Approved by Paul Miller Western Representative Leon Elmore
Formation Test No. 3 O.K. ☒ Misrun Interval Tested From 4507' to 4520' Total Depth 4590'
Size Main Hole 7 7/8 Rat Hole Conv. ☒ B.T. Damaged ☒ Yes No Conv. B.T. Damaged Yes No
Packer Depth 4507 Ft. Size 6 3/4 Packer Depth Ft. Size
Straddle ☒ Yes ☒ No Conv. ☒ B.T. Damaged Yes ☒ No
Packer Depth 4520 Ft. Size 6 3/4
Tool Size 5 1/2" OD Tool Jt. Size 4 1/2" FH XH Anchor Length 13 Ft. Size 4 1/2" OD
RECORDERS Depth 4511 Ft. Clock No. 6897 Depth 4514 Ft. Clock No. 6799
Top Make Kuster Cap. 4500 No. 3085 Inside Outside Bottom Make Kuster Cap. 4400 No. 2603 Inside Outside
Below Straddle: Depth 4590 Clock No. 139 Inside Outside Depth Ft. Clock No. Inside Outside
Top Make WTC Cap. 4000 No. 35 Inside Outside Bottom Make Cap. No. Inside Outside
Time Set Packer 9:03 P. M
Tool Open I.F.P. From 9:05 M. to 9:15 P M. Hr. 10 Min. From (B) 59 P.S.I. To (C) 86 P.S.I.
Tool Closed I.C.I.P. From 9:15 M. to 9:35 P M. Hr. 20 Min. (D) 1622 P.S.I.
Tool Open F.F.P. From 9:35 M. to 10:35 P M. 1 Hr. -- Min. From (E) 127 P.S.I. To (F) 342 P.S.I.
Tool Closed F.C.I.P. From 10:35 M. to 11:15 P M. Hr. 40 Min. (G) 1638 P.S.I.
Initial Hydrostatic Pressure (A) 2312 P.S.I. Final Hydrostatic Pressure (H) 2301 P.S.I.
SURFACE Size Choke 3/4 In. Max. Press. P.S.I. Time Description of Flow
INFORMATION
BLOW Good. Bottom Choke Size 3/4 In.
Did Well Flow Yes ☒ No Recovery Total Ft. 733 feet total: 175 feet mud; 186 feet watery mud; 372 feet muddy water; 60 feet gas in pipe.
Reversed Out Yes ☒ No Mud Type starch Viscosity 47 Weight 9.8 Water Loss 12.6 cc. Maximum Temp. 120 °F
Type Circ. Sub. plug Did Tool Plug? Jars: Size Make Ser. No.
EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Did Packer Hold? yes Where?
Length Drill Pipe 3895 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 585 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ft.
I. D. Drill Collars in. Length D.S.T. Tool 37 ft.
Remarks Tool sliding throughout test.

K. G. S. LIBRARY

WESTERN TESTING CO., INC. Pressure Data

Date 4-14-68 Recorder No. 3085 Capacity 4500 Test Ticket No. 10802
Clock No. 6897 Elevation 1425 Derrick Floor Location 4511 Ft. 120 °F
Well Temperature

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2312	P.S.I.	9:05 A	
B First Initial Flow Pressure	59	P.S.I.	10 Mins.	10 Mins.
C First Final Flow Pressure	86	P.S.I.	20 Mins.	15 Mins.
D Initial Closed-in Pressure	1622	P.S.I.	60 Mins.	59 Mins.
E Second Initial Flow Pressure	127	P.S.I.	40 Mins.	40 Mins.
F Second Final Flow Pressure	342	P.S.I.		
G Final Closed-in Pressure	1638	P.S.I.		
H Final Hydrostatic Mud	2301	P.S.I.		

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>2</u> Inc.		Breakdown: <u>5</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: _____ Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of _____ mins. and a	
final inc. of <u>--</u> Min.		final inc. of <u>--</u> Min.		final inc. of <u>4</u> Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>59</u>	<u>0</u>	<u>86</u>	<u>0</u>	<u>127</u>	<u>0</u>	<u>342</u>
P 2 <u>5</u>	<u>67</u>	<u>3</u>	<u>1384</u>	<u>5</u>	<u>131</u>	<u>3</u>	<u>984</u>
P 3 <u>10</u>	<u>86</u>	<u>6</u>	<u>1514</u>	<u>10</u>	<u>145</u>	<u>6</u>	<u>1238</u>
P 4 _____		<u>9</u>	<u>1576</u>	<u>15</u>	<u>155</u>	<u>9</u>	<u>1344</u>
P 5 _____		<u>12</u>	<u>1603</u>	<u>20</u>	<u>191</u>	<u>12</u>	<u>1430</u>
P 6 _____		<u>15</u>	<u>1622</u>	<u>25</u>	<u>196</u>	<u>15</u>	<u>1495</u>
P 7 _____				<u>30</u>	<u>215</u>	<u>18</u>	<u>1529</u>
P 8 _____				<u>35</u>	<u>231</u>	<u>21</u>	<u>1569</u>
P 9 _____				<u>40</u>	<u>251</u>	<u>24</u>	<u>1587</u>
P 10 _____				<u>45</u>	<u>282</u>	<u>27</u>	<u>1603</u>
P 11 _____				<u>50</u>	<u>332</u>	<u>30</u>	<u>1617</u>
P 12 _____				<u>55</u>	<u>337</u>	<u>33</u>	<u>1626</u>
P 13 _____				<u>59</u>	<u>342</u>	<u>36</u>	<u>1631</u>
P 14 _____						<u>39</u>	<u>1636</u>
P 15 _____						<u>40</u>	<u>1638</u>
P 16 _____							
P 17 _____							
P 18 _____							
P 19 _____							
P 20 _____							

K. G. S. LIBRARY

Graves, ETAL
Wallace #1

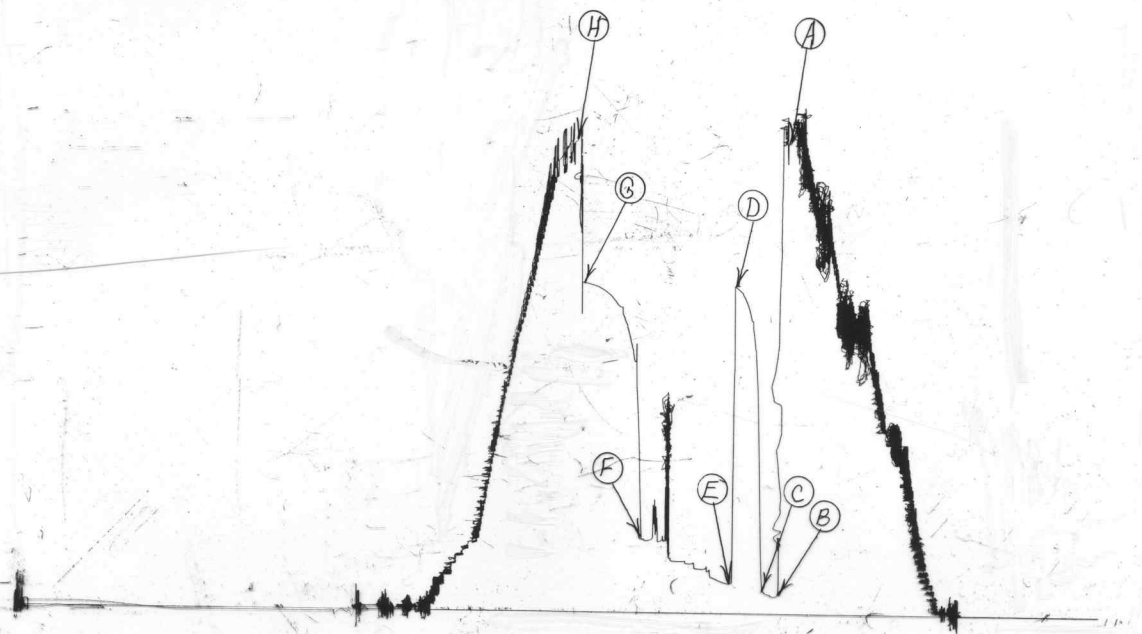
T.K.T.# 10802
(STraddle) Test # 3

Below STraddle Chart



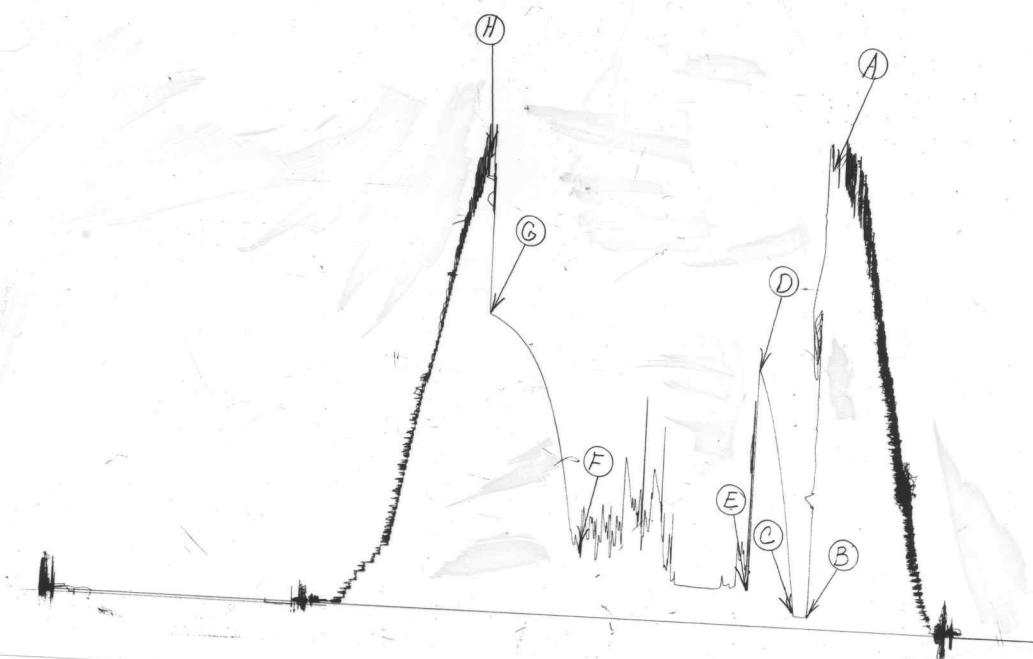
Graves, ETAL
Wallace #1.

T.K.T.# 10802
(STraddle) Test # 3



Graves, Etal
Wallace #1

T.K.T. # 10775
Test # 1





Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

3
Company **Graves, et al.** Lease & Well No. **Wallace # 1**
Elevation **1425 Derrick Floor** Formation **Mississippian** Effective Pay **14** Ft. Ticket No. **10775**
Date **4-13-68** Sec. **2** Twp. **31** Range **10** County **Barber** State **Kansas**
Test Approved by **John Graves** Western Representative **Leon Elmore**

Formation Test No. **1** O.K. ☐ Misrun ☒ Interval Tested From **4467'** to **4480'** Total Depth **4480'**
Size Main Hole **7 7/8** Rat Hole ☐ Conv. ☒ B.T. ☐ Damaged ☒ Yes ☐ No Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No
Packer Depth **4462** Ft. Size **6 3/4** Packer Depth **4467** Ft. Size **6 3/4**
Straddle ☐ Yes ☒ No ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No
Packer Depth ☐ Ft. Size ☐
Tool Size **54"00** Tool Jt. Size **44"FH XH** Anchor Length **13** Ft. Size **54"00**

RECORDERS	Depth 4473	Ft.	Clock No. 6857	Depth 4476	Ft.	Clock No. 6799
	Top Make Kuster	Cap. 4500	No. 3085	Bottom Make Kuster	Cap. 4400	No. 2603
			Inside Outside			Inside Outside
Below Straddle: Depth		Clock No.	Inside	Depth	Ft.	Clock No.
			Outside			Inside
Top Make	Cap.	No.	Inside	Bottom Make	Cap.	No.
			Outside			Inside

Time Set Packer **5:36 A.** M
Tool Open I.F.P. From **5:38** M. to **5:48 A** M. Hr. **10** Min. From (B) **33** P.S.I. To (C) **33** P.S.I.
Tool Closed I.C.I.P. From **5:48** M. to **6:18 A** M. Hr. **30** Min. (D) **1263** P.S.I.
Tool Open F.F.P. From **6:18** M. to **8:18 A** M. **2** Hr. **--** Min. From (E) **157** P.S.I. To (F) **157** P.S.I.
Tool Closed F.C.I.P. From **8:18** M. to **9:18 A** M. **1** Hr. **--** Min. (G) **1483** P.S.I.
Initial Hydrostatic Pressure (A) **2500** P.S.I. Final Hydrostatic Pressure (H) **2500** P.S.I.

SURFACE Size Choke **3/4** In. Max. Press. P.S.I. Time Description of Flow
INFORMATION ☐ M. ☐ M. ☐ M.

BLOW **Strong** Bottom Choke Size **3/4** In.
Did Well Flow ☒ Yes ☐ No Recovery Total Ft. **600 feet gas cut mud.**

Reversed Out ☒ Yes ☐ No Mud Type **starch** Viscosity **51** Weight **9.6** Water Loss **9.6** cc. Maximum Temp. **132** °F
Type Circ. Sub. **plug** Did Tool Plug? **partially** Jars: Size ☐ Make ☐ Ser. No. ☐
EXTRA EQUIPMENT: Dual Packers **yes** Safety Joint **no** Did Packer Hold? ☐ Where? **tool**
Length Drill Pipe **3862** ft. I.D. Drill Pipe **3.8** in. Length Weight Pipe **585** ft. I.D. Weight Pipe **2.7** in. Length Drill Collars ☐ ft.
I. D. Drill Collars ☐ in. Length D.S.T. Tool **33** ft.

Remarks **Gas to surface in 60 minutes - too small to measure. Packer leaking on final flow and tool was also plugging last half of test.**

K. G. S. LIBRARY

WESTERN TESTING CO., INC. Pressure Data

Date 4-13-68 Recorder No. 3085 Capacity 4500 Test Ticket No. 10775
Clock No. 6897 Elevation 1425 Derrick Floor Location 4473 Ft. Well Temperature 132 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2500</u> P.S.I.	Opened Tool	<u>5:36 A.M.</u>	
B First Initial Flow Pressure	<u>33</u> P.S.I.	First Flow Pressure	<u>10</u> Mins.	<u>10</u> Mins.
C First Final Flow Pressure	<u>33</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>39</u> Mins.
D Initial Closed-in Pressure	<u>1263</u> P.S.I.	Second Flow Pressure	<u>120</u> Mins.	<u>120</u> Mins.
E Second Initial Flow Pressure	<u>157</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>58</u> Mins.
F Second Final Flow Pressure	<u>157</u> P.S.I.			
G Final Closed-in Pressure	<u>1483</u> P.S.I.			
H Final Hydrostatic Mud	<u>2500</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>2</u> Inc. of <u>5</u> mins. and a final inc. of <u>--</u> Min.		Breakdown: <u>11</u> Inc. of <u>3</u> mins. and a final inc. of <u>--</u> Min.		Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>--</u> Min.		Breakdown: <u>19</u> Inc. of <u>3</u> mins. and a final inc. of <u>1</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>33</u>	<u>0</u>	<u>33</u>	<u>0</u>	<u>157</u>	<u>0</u>	<u>332</u>
P 2 <u>5</u>	<u>33</u>	<u>3</u>	<u>217</u>	<u>5</u>	<u>157</u>	<u>3</u>	<u>687</u>
P 3 <u>10</u>	<u>33</u>	<u>6</u>	<u>361</u>	<u>10</u>	<u>157</u>	<u>6</u>	<u>751</u>
P 4		<u>9</u>	<u>509</u>	<u>15</u>	<u>157</u>	<u>9</u>	<u>827</u>
P 5		<u>12</u>	<u>648</u>	<u>20</u>	<u>157</u>	<u>12</u>	<u>923</u>
P 6		<u>15</u>	<u>764</u>	<u>25</u>	<u>157</u>	<u>15</u>	<u>995</u>
P 7		<u>18</u>	<u>857</u>	<u>30</u>	<u>157</u>	<u>18</u>	<u>1062</u>
P 8		<u>21</u>	<u>972</u>	<u>35</u>	<u>157</u>	<u>21</u>	<u>1136</u>
P 9		<u>24</u>	<u>1053</u>	<u>40</u>	<u>157</u>	<u>24</u>	<u>1167</u>
P 10		<u>27</u>	<u>1124</u>	<u>45</u>	<u>157</u>	<u>27</u>	<u>1287</u>
P 11		<u>30</u>	<u>1209</u>			<u>30</u>	<u>1272</u>
P 12		<u>33</u>	<u>1263</u>	<u>50</u>		<u>33</u>	<u>1314</u>
P 13						<u>36</u>	<u>1351</u>
P 14				<u>120</u>		<u>39</u>	<u>1377</u>
P 15						<u>42</u>	<u>1397</u>
P 16						<u>45</u>	<u>1423</u>
P 17						<u>48</u>	<u>1442</u>
P 18						<u>51</u>	<u>1458</u>
P 19						<u>54</u>	<u>1467</u>
P 20						<u>57</u>	<u>1479</u>
						<u>58</u>	<u>1483</u>

K. G. S. LIBRARY

Rest of time plugging action



Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company **Graves, et al.** Lease & Well No. **Wallace # 1**
Elevation **1425 Derrick Floor** Formation **Mississippian** Effective Pay **13** Ft. Ticket No. **10801**
Date **4-13-68** Sec. **2** Twp. **31** Range **10** County **Barber** State **Kansas**
Test Approved by **Benton Brooks, Jr.** Western Representative **Leon Elmore**
Formation Test No. **2** O.K. ☒ Misrun Interval Tested From **4472'** to **4485'** Total Depth **4485'**
Size Main Hole **7 7/8** Rat Hole Conv. ☒ B.T. Damaged Yes No Conv. ☒ B.T. Damaged Yes No
Packer Depth **4467** Ft. Size **6 3/4** Packer Depth **4472** Ft. Size **6 3/4**
Straddle Yes No ☒ Conv. B.T. Damaged Yes No
Packer Depth Ft. Size
Tool Size **5 1/2" 00** Tool Jt. Size **4 1/2" FH XH** Anchor Length **13** Ft. Size **5 1/2" 00**
RECORDERS Depth **4478** Ft. Clock No. **6897** Depth **4481** Ft. Clock No. **6799**
Top Make **Kuster** Cap. **4500** No. **3085** Inside **Outside** Bottom Make **Kuster** Cap. **4400** No. **2603** Inside **Outside**
Below Straddle: Depth Clock No. Inside Outside Depth Ft. Clock No. Inside Outside
Top Make Cap. No. Inside Outside Bottom Make Cap. No. Inside Outside
Time Set Packer **7:26 P.** M
Tool Open I.F.P. From **7:28** M. to **7:38 P** M. Hr. **10** Min. From (B) **86** P.S.I. To (C) **96** P.S.I.
Tool Closed I.C.I.P. From **7:38** M. to **8:08 P** M. Hr. **30** Min. (D) **1615** P.S.I.
Tool Open F.F.P. From **8:08** M. to **10:08 P** M. Hr. **2** Min. From (E) **126** P.S.I. To (F) **305** P.S.I.
Tool Closed F.C.I.P. From **10:08** M. to **11:08 P** M. Hr. **1** Min. (G) **1535** P.S.I.
Initial Hydrostatic Pressure (A) **2342** P.S.I. Final Hydrostatic Pressure (H) **2332** P.S.I.
SURFACE Size Choke **3/4** In. Max. Press. P.S.I. Time Description of Flow
INFORMATION
BLOW **Strong.** Bottom Choke Size **3/4** In.
Did Well Flow Yes ☒ No Recovery Total Ft. **635 feet total: 70 feet slightly oil cut mud; 120 feet slightly oil cut salt water; 635 feet salt water. 825 feet gas in pipe.**
Reversed Out Yes ☒ No Mud Type **starch** Viscosity **51** Weight **9.8** Water Loss **12.6** cc. Maximum Temp. **134** °F
Type Circ. Sub. **plug** Did Tool Plug? **no** Jars: Size Make Ser. No.
EXTRA EQUIPMENT: Dual Packers **yes** Safety Joint **no** Did Packer Hold? **yes** Where?
Length Drill Pipe **3862** ft. I.D. Drill Pipe **3.8** in. Length Weight Pipe **585** ft. I.D. Weight Pipe **2.7** in. Length Drill Collars ft.
I. D. Drill Collars in. Length D.S.T. Tool **33** ft.
Remarks

K. G. S. LIBRARY

WESTERN TESTING CO., INC. Pressure Data

Date 4-22-68 Recorder No. 3085 Capacity 4500 Test Ticket No. 10801
Clock No. 6857 Elevation 1425 Derrick Floor Location 4478 Ft. Well Temperature 134 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2342</u>	P.S.I.	Opened Tool	<u>7:28P</u> M
B First Initial Flow Pressure	<u>86</u>	P.S.I.	First Flow Pressure	<u>10</u> Mins. <u>10</u> Mins.
C First Final Flow Pressure	<u>86</u>	P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins. <u>29</u> Mins.
D Initial Closed-in Pressure	<u>1615</u>	P.S.I.	Second Flow Pressure	<u>120</u> Mins. <u>115</u> Mins.
E Second Initial Flow Pressure	<u>126</u>	P.S.I.	Final Closed-in Pressure	<u>60</u> Mins. <u> </u> Mins.
F Second Final Flow Pressure	<u>305</u>	P.S.I.		
G Final Closed-in Pressure	<u>1535</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2332</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
0	86	0	86	0	126	0	305
5	86	3	435	5	129	3	555
10	86	6	1175	10	133	6	881
		9	1456	15	150	9	1090
		12	1536	20	162	12	1226
		15	1573	25	176	15	1300
		18	1585	30	188	18	1349
		21	1594	35	200	21	1381
		24	1603	40	210	24	1404
		27	1610	45	217	27	1423
		29	1615	50	229	30	1442
				55	236	33	1458
				60	243	36	1470
				65	251	39	1483
				70	258	42	1493
				75	263	45	1500
				80	267	48	1507
				85	272	51	1514
				90	279	54	1521
				95	286	57	1525
				100	293	60	1535
				105	296		
				110	301		
				115	305		

K. G. S. LIBRARY

Graves, ETAL
Wallace #1

T.K.T. 10801
Test #2

