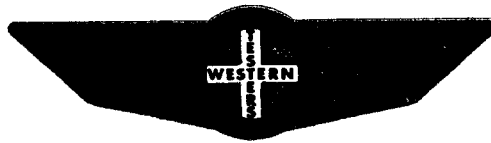


15-083-10185



13-215-24w

Home Office: Great Bend, Kansas
P. O. Box 793 Gladstone 3-7903

Company Pickrell Drilling Company Lease & Well No. Goebel A #1
Elevation 2361' K.B. Ticket Number 3599
Date 11-7-63 Sec. 13 Twp. 21 Range 24 County Hodgeman State Kansas
Test Approved by Donald J. Malone Western Representative Jack Toelkes

Formation Test No. 1 O.K. Misrun _____ Interval Tested From 4200' to 4280' Total Depth 4280'
Size Main Hole 7 7/8" Rat Hole _____ Conv. B.T. _____ Damaged Yes _____ No _____ Conv. _____ B.T. Damaged Yes _____ No _____
Packer Depth 4195 Ft. Size 6 3/4" Packer Depth 4200 Ft. Size 6 3/4"
Straddle _____ Yes _____ No Conv. _____ B.T. _____ Damaged _____ Yes _____ No _____
Tool Size 5 1/2" OD Tool Jt. Size 4 1/2" FH Anchor Length 80 Ft. Size 5 1/2" OD - 60' D.C. 6" OD

RECORDERS Depth 4208 Ft. Clock No. 6892 Depth 4211 Ft. Clock No. 140
Top Make Amerada Cap. 3150# No. 1562 Inside _____ Outside _____ Bottom Make Western Cap. 4000# No. 57 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 1:14P M
Tool Open I.F.P. From 1:16P M to 1:21P M - Hr. 5 Min. From (B) 17 P.S.I. To (C) 17 P.S.I.
Tool Closed I.C.I.P. From 1:21P M. to 1:51P M. - Hr. 30 Min. (D) 599 P.S.I.
Tool Open F.F.P. From 1:51P M. to 2:36P M. - Hr. 45 Min. From (E) 23 P.S.I. To (F) 29 P.S.I.
Tool Closed F.C.I.P. From 2:36P M. to 3:06P M. - Hr. 30 Min. (G) 67 P.S.I.
Initial Hydrostatic Pressure (A) 2242 P.S.I. Final Hydrostatic Pressure (H) 2222 P.S.I.

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

BLOW Very weak 5 mins. Bottom Choke Size 3/4 in.

Did Well Flow _____ Yes No _____ Recovery Total Ft. 20' Oil specked mud

Reversed Out _____ Yes No _____ Mud Type Starch Viscosity 40 Weight 9.9 Maximum Temp. 119 °F

EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Jars: Size No Make _____ Ser. No. _____

Type Circ. Sub. Plug Did Tool Plug? No Where? _____ Did Packer Hold? Yes

Length Drill Pipe 3243 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 938 ft. I.D. Weight Pipe 2.75 in. Length Drill Collars _____ ft.

I. D. Drill Collars _____ in. Length D. S. T. Tool 99 ft.

Remarks
Flushed tool after 18 mins. - OK

WESTERN TESTING CO., INC.
Pressure Data

Date 11-7-63 Test Ticket No. 3599
 Recorder No. 1562 Capacity 3150# Location 4208 Ft.
 Clock No. 6892 Elevation 2361' K.B. Well Temperature 119 °F

Point	Pressure		Time Given 1:14 P	Time Computed 1:14 PM
A Initial Hydrostatic Mud	<u>2242</u>	P.S.I.		
B First Initial Flow Pressure	<u>17</u>	P.S.I.	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>17</u>	P.S.I.	<u>30</u> Mins.	<u>29</u> Mins.
D Initial Closed-in Pressure	<u>599</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>23</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>29</u>	P.S.I.		
G Final Closed-in Pressure	<u>67</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2222</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Press. Breakdown: <u>1</u> Inc. of <u>5</u> mins. and a final inc. of <u>-</u> Min.	Initial Shut-In Breakdown: <u>9</u> Inc. of <u>3</u> mins. and a final inc. of <u>2</u> Min.	Second Flow Pressure Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>-</u> Min.	Final Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>-</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>17</u>	<u>0</u>	<u>17</u>	<u>0</u>	<u>23</u>	<u>0</u>	<u>29</u>
P 2 <u>5</u>	<u>17</u>	<u>3</u>	<u>31</u>	<u>5</u>	<u>23</u>	<u>3</u>	<u>31</u>
P 3		<u>6</u>	<u>64</u>	<u>10</u>	<u>23</u>	<u>6</u>	<u>34</u>
P 4		<u>9</u>	<u>109</u>	<u>15</u>	<u>23</u>	<u>9</u>	<u>37</u>
P 5		<u>12</u>	<u>174</u>	<u>20</u>	<u>23</u>	<u>12</u>	<u>40</u>
P 6		<u>15</u>	<u>256</u>	<u>25</u>	<u>29</u>	<u>15</u>	<u>45</u>
P 7		<u>18</u>	<u>338</u>	<u>30</u>	<u>29</u>	<u>18</u>	<u>48</u>
P 8		<u>21</u>	<u>413</u>	<u>35</u>	<u>29</u>	<u>21</u>	<u>53</u>
P 9		<u>24</u>	<u>495</u>	<u>40</u>	<u>39</u>	<u>24</u>	<u>58</u>
P 10		<u>27</u>	<u>579</u>	<u>45</u>	<u>29</u>	<u>27</u>	<u>62</u>
P 11		<u>29</u>	<u>599</u>			<u>30</u>	<u>67</u>
P 12							
P 13							
P 14							
P 15							
P 16							
P 17							
P 18							
P 19							
P 20							

Pickrell Drlg. Co.
Goebel #A-1

Test #1
TKT#3599

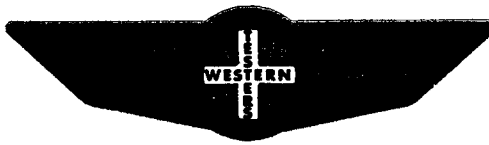


This is an actual photograph of recorder chart.

POINT

PRESSURE

(A)	Initial Hydrostatic Mud	2242	PSI
(B)	First Initial Flow Pressure	17	PSI
(C)	First Final Flow Pressure	17	PSI
(D)	Initial Closed-in Pressure	599	PSI
(E)	Second Initial Flow Pressure	23	PSI
(F)	Second Final Flow Pressure	29	PSI
(G)	Final Closed-in Pressure	67	PSI
(H)	Final Hydrostatic Mud	2222	PSI



Home Office: Great Bend, Kansas
 P. O. Box 793 Gladstone 3-7903

Company Pickrell Drilling Co. Lease & Well No. Goebel A #1
 Elevation 2361' K.B. Ticket Number 3600
 Date 11-8-63 Sec. 13 Twp. 21 Range 24 County Hodgeman State Kansas
 Test Approved by Donald J. Malone Western Representative Jack Toelkes

Formation Test No. 2 O.K. Misrun _____ Interval Tested From 4340' to 4380' Total Depth 4380'
 Size Main Hole 7 7/8" Rat Hole _____ Conv. B.T. _____ Damaged Yes No _____ Conv. _____ B.T. Damaged Yes No _____
 Packer Depth 4335 Ft. Size 6 3/4" Packer Depth 4340 Ft. Size 6 3/4"
 Straddle Yes _____ No Conv. _____ B.T. _____ Damaged Yes _____ No _____
 Packer Depth _____ Ft. Size _____
 Tool Size 5 1/2" OD Tool Jt. Size 4 1/2" FH Anchor Length 40 Ft. Size 5 1/2" OD

RECORDERS Depth 4348 Ft. Clock No. 6892 Depth 4351 Ft. Clock No. 140
 Top Make Amerada Cap. 3150# No. 1562 Inside _____ Outside _____ Bottom Make Western Cap. 4000# No. 57 Inside _____ Outside _____
 Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
 Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____ Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Time Set Packer 12:38 P M
 Tool Open I.F.P. From 12:40P M to 12:45P M - Hr. 5 Min. From (B) 12 P.S.I. To (C) 12 P.S.I.
 Tool Closed I.C.I.P. From 12:45P M. to 1:15P M. - Hr. 30 Min. (D) 649 P.S.I.
 Tool Open F.F.P. From 1:15P M. to 2:00P M. - Hr. 45 Min. From (E) 21 P.S.I. To (F) 28 P.S.I.
 Tool Closed F.C.I.P. From 2:00P M. to 2:30P M. - Hr. 30 Min. (G) 89 P.S.I.
 Initial Hydrostatic Pressure (A) 2318 P.S.I. Final Hydrostatic Pressure (H) 2313 P.S.I.

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

BLOW Very weak 5 mins. Bottom Choke Size 3/4 in.
 Did Well Flow Yes No _____ Recovery Total Ft. 30' Oil specked mud

Reversed Out Yes No _____ Mud Type Starch Viscosity 45 Weight 9.9 Maximum Temp. _____ °F
 EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Jars: Size No Make _____ Ser. No. _____
 Type Circ. Sub. Plug Did Tool Plug? No Where? _____ Did Packer Hold? Yes
 Length Drill Pipe 3383 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 938 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.
 I. D. Drill Collars _____ in. Length D. S. T. Tool 59 ft.

Remarks Flushed tool after 10 mins. - OK - 5 Min. blow

WESTERN TESTING CO., INC.
Pressure Data

Date 11-8-63 Test Ticket No. 3600
 Recorder No. 1562 Capacity 3150# Location 4348 Ft.
 Clock No. 6892 Elevation 2361' K.B. Well Temperature - °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2318</u>	P.S.I.	<u>12:38 P</u>	<u>12:38 PM</u>
B First Initial Flow Pressure	<u>12</u>	P.S.I.	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>12</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>649</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>21</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>28</u>	P.S.I.		
G Final Closed-in Pressure	<u>89</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2313</u>	P.S.I.		

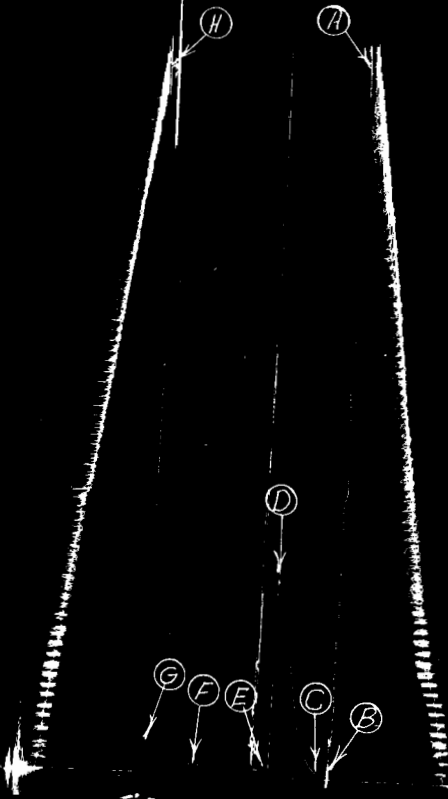
PRESSURE BREAKDOWN

First Flow Press. Breakdown: <u>1</u> Inc. of <u>5</u> mins. and a final inc. of <u>-</u> Min.	Initial Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>-</u> Min.	Second Flow Pressure Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>-</u> Min.	Final Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>-</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>12</u>	<u>0</u>	<u>12</u>	<u>0</u>	<u>21</u>	<u>0</u>	<u>28</u>
P 2 <u>5</u>	<u>12</u>	<u>3</u>	<u>25</u>	<u>5</u>	<u>21</u>	<u>3</u>	<u>32</u>
P 3		<u>6</u>	<u>47</u>	<u>10</u>	<u>21</u>	<u>6</u>	<u>37</u>
P 4		<u>9</u>	<u>76</u>	<u>15</u>	<u>28</u>	<u>9</u>	<u>43</u>
P 5		<u>12</u>	<u>127</u>	<u>20</u>	<u>28</u>	<u>12</u>	<u>50</u>
P 6		<u>15</u>	<u>209</u>	<u>25</u>	<u>28</u>	<u>15</u>	<u>56</u>
P 7		<u>18</u>	<u>307</u>	<u>30</u>	<u>28</u>	<u>18</u>	<u>62</u>
P 8		<u>21</u>	<u>413</u>	<u>35</u>	<u>28</u>	<u>21</u>	<u>69</u>
P 9		<u>24</u>	<u>507</u>	<u>40</u>	<u>28</u>	<u>24</u>	<u>75</u>
P 10		<u>27</u>	<u>583</u>	<u>45</u>	<u>28</u>	<u>27</u>	<u>81</u>
P 11		<u>30</u>	<u>649</u>			<u>30</u>	<u>89</u>
P 12							
P 13							
P 14							
P 15							
P 16							
P 17							
P 18							
P 19							
P 20							

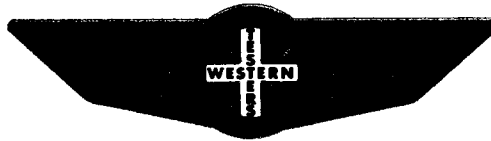
Pickrell Drilg. Co.
Goebel #A-1

Test # 2
TKT # 3600



This is an actual photograph of recorder chart.

POINT	PRESSURE	
(A) Initial Hydrostatic Mud	2318	PSI
(B) First Initial Flow Pressure	12	PSI
(C) First Final Flow Pressure	12	PSI
(D) Initial Closed-in Pressure	649	PSI
(E) Second Initial Flow Pressure	21	PSI
(F) Second Final Flow Pressure	28	PSI
(G) Final Closed-in Pressure	89	PSI
(H) Final Hydrostatic Mud	2313	PSI



Home Office: Great Bend, Kansas
 P. O. Box 793 Gladstone 3-7903

Company Pickrell Drilling Company Lease & Well No. Goebel #A-1
 Elevation 2361' K.B. Ticket Number 3601
 Date 11-9-63 Sec. R3 Twp. 21 Range 24 County Hodgeman State Kansas
 Test Approved by Donald J. Malone Western Representative Jack Toelkes

Formation Test No. 3 O.K. Misrun _____ Interval Tested From 4453' 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 4453 Ft. Size 6314 Packer Depth 4448 Ft. Size 6 3/4"
 Straddle _____ Yes _____ No Conv. _____ B.T. _____ Damaged _____ Yes _____ No _____
 Packer Depth _____ Ft. Size _____
 Tool Size 5 1/2" OD Tool Jt. Size 4 1/2" FH Anchor Length 27 Ft. Size 5 1/2" OD

RECORDERS Depth 4461 Ft. Clock No. 6892 Depth 4464 Ft. Clock No. 140
 Top Make Amerada Cap. 3150# No. 1562 Inside _____ Outside _____ Bottom Make Western Cap. 4000# No. 57 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 11:22 P M
 Tool Open I.F.P. From 11:24 P to 11:29 P - Hr. 5 Min. From (B) 37 P.S.I. To (C) 70 P.S.I.
 Tool Closed I.C.I.P. From 11:29 P M. to 11:59 P M. - Hr. 30 Min. (D) 1269 P.S.I.
 Tool Open F.F.P. From 11:59 P M. to 1:59 P M. 2 Hr. - Min. From (E) 98 P.S.I. To (F) 430 P.S.I.
 Tool Closed F.C.I.P. From 1:59 P M. to 2:29 P M. - Hr. 30 Min. (G) 1100 P.S.I.
 Initial Hydrostatic Pressure (A) 2383 P.S.I. Final Hydrostatic Pressure (H) 2355 P.S.I.

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

BLOW Good throughout test Bottom Choke Size 3/4 in.
 Did Well Flow _____ Yes No _____ Recovery Total Ft. 400' G.T.P. - 900' Clean Oil - 300' Froggy Oil - Gassy

Reversed Out _____ Yes No _____ Mud Type Starch Viscosity 47 Weight 10. Maximum Temp. 128 °F
 EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Jars: Size No Make _____ Ser. No. _____
 Type Circ. Sub. Plug Did Tool Plug? No Where? _____ Did Packer Hold? Yes
 Length Drill Pipe 3497 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 937 ft. I.D. Weight Pipe 2.75 in. Length Drill Collars _____ ft.
 I. D. Drill Collars _____ in. Length D. S. T. Tool 46 ft.

Remarks _____

WESTERN TESTING CO., INC.
Pressure Data

Date 11-9-63 Test Ticket No. 3601
 Recorder No. 1562 Capacity 3150# Location 4461 Ft.
 Clock No. 6892 Elevation 2361' K.B. Well Temperature 128 °F

Point	Pressure		Time Given	Time Computed
			<u>11:22</u> P	<u>11:22</u> P
A Initial Hydrostatic Mud	<u>2383</u> P.S.I.	Opened Tool		
B First Initial Flow Pressure	<u>37</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>70</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>28</u> Mins.
D Initial Closed-in Pressure	<u>1269</u> P.S.I.	Second Flow Pressure	<u>120</u> Mins.	<u>120</u> Mins.
E Second Initial Flow Pressure	<u>98</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>430</u> P.S.I.			
G Final Closed-in Pressure	<u>1100</u> P.S.I.			
H Final Hydrostatic Mud	<u>2355</u> P.S.I.			

PRESSURE BREAKDOWN

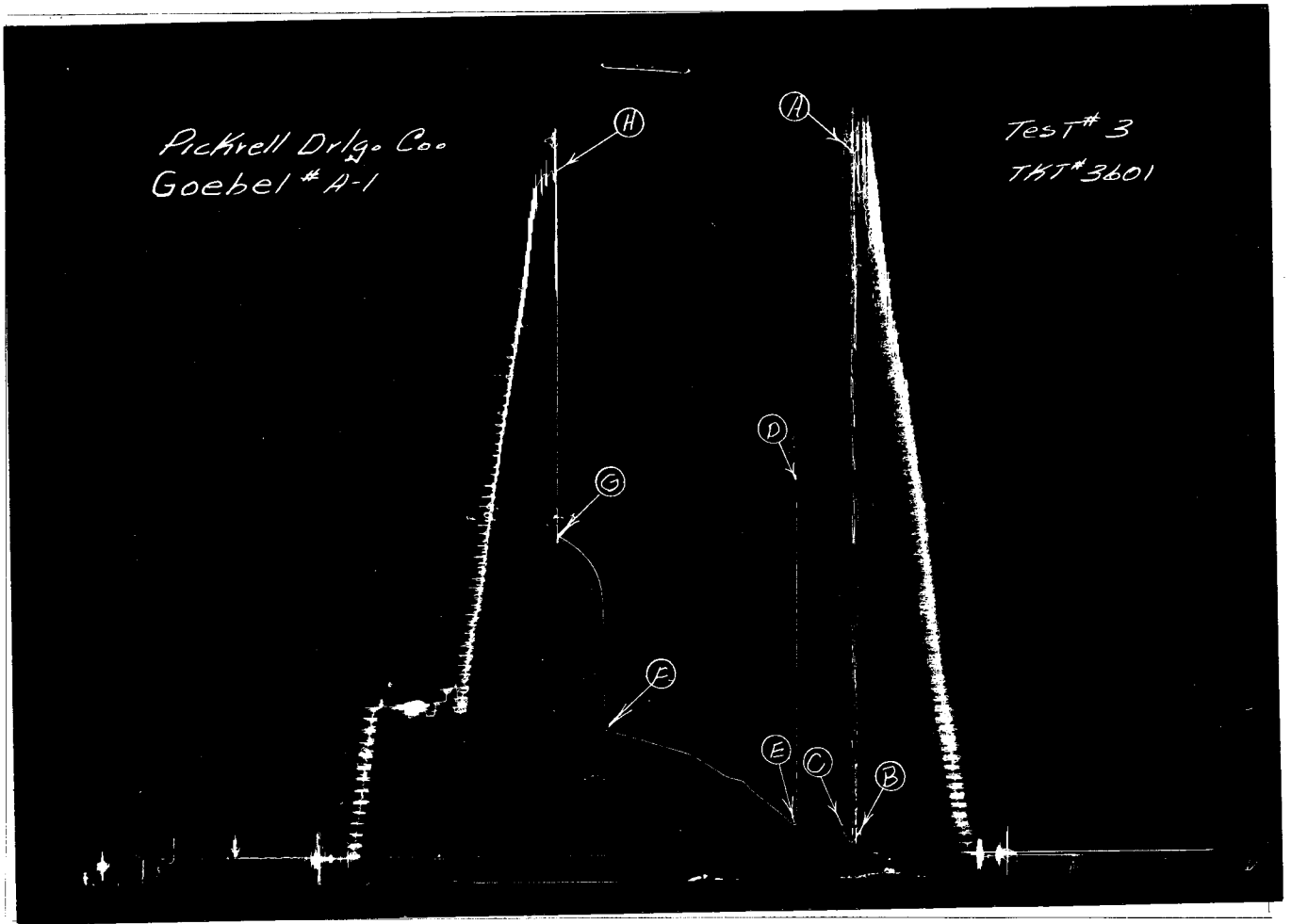
First Flow Press.
 Breakdown: 1 Inc.
 of 5 mins. and a
 final inc. of - Min.

Initial Shut-In
 Breakdown: 9 Inc.
 of 3 mins. and a
 final inc. of 1 Min.

Second Flow Pressure
 Breakdown: 24 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 10 Inc.
 of 3 mins. and a
 final inc. of - Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
0	<u>37</u>	0	<u>70</u>	0	<u>98</u>	0	<u>430</u>
5	<u>70</u>	3	<u>1120</u>	5	<u>109</u>	3	<u>936</u>
		6	<u>1190</u>	10	<u>136</u>	6	<u>979</u>
		9	<u>1217</u>	15	<u>158</u>	9	<u>1006</u>
		12	<u>1234</u>	20	<u>180</u>	12	<u>1026</u>
		15	<u>1245</u>	25	<u>201</u>	15	<u>1045</u>
		18	<u>1253</u>	30	<u>228</u>	18	<u>1059</u>
		21	<u>1259</u>	35	<u>251</u>	21	<u>1072</u>
		24	<u>1264</u>	40	<u>261</u>	24	<u>1083</u>
		27	<u>1267</u>	45	<u>270</u>	27	<u>1092</u>
		28	<u>1269</u>	50	<u>275</u>	30	<u>1100</u>
				55	<u>307</u>		
				60	<u>323</u>		
				65	<u>340</u>		
				70	<u>351</u>		
				75	<u>359</u>		
				80	<u>368</u>		
				85	<u>376</u>		
				90	<u>386</u>		
				95	<u>394</u>		
				100	<u>402</u>		
				105	<u>409</u>		
				110	<u>417</u>		
				115	<u>424</u>		
				120	<u>430</u>		



This is an actual photograph of recorder chart.

POINT

PRESSURE

(A)	Initial Hydrostatic Mud	2383	PSI
(B)	First Initial Flow Pressure	37	PSI
(C)	First Final Flow Pressure	70	PSI
(D)	Initial Closed-in Pressure	1269	PSI
(E)	Second Initial Flow Pressure	94	PSI
(F)	Second Final Flow Pressure	430	PSI
(G)	Final Closed-in Pressure	1100	PSI
(H)	Final Hydrostatic Mud	2355	PSI



Home Office: Great Bend, Kansas
 P. O. Box 793 Gladstone 3-7903

Company Pickrell Drilling company Lease & Well No. Goebel A #1
 Elevation 2361' K.B. Ticket Number 3602
 Date 11-10-63 Sec. 13 Twp. 21 Range 24 County Hodgeman State Kansas
 Test Approved by Donald J. Malone Western Representative Jack Toelkes

Formation Test No. 4 O.K. Misrun _____ Interval Tested From 4481' to 4493' Total Depth 4493'
 Size Main Hole 7 7/8" Rat Hole _____ Conv. B.T. _____ Damaged Yes No _____ Conv. _____ B.T. Damaged Yes No _____
 Packer Depth 4476 Ft. Size 6 3/4" Packer Depth 4481 Ft. Size 6 3/4"
 Straddle Yes _____ No Conv. _____ B.T. _____ Damaged Yes _____ No _____
 Packer Depth _____ Ft. Size _____
 Tool Size 5 1/2" OD Tool Jt. Size 4 1/2" FH Anchor Length 12 Ft. Size 5 1/2" OD

RECORDERS
 Depth 4484 Ft. Clock No. 6892 Depth 4487 Ft. Clock No. 140
 Top Make Amerada Cap. 3150# No. 1562 Inside _____ Outside _____
 Bottom Make Western Cap. 4000# No. 57 Inside _____ Outside _____
 Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
 Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____
 Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Time Set Packer 12:45 P M
 Tool Open I.F.P. From 12:47 P M to 12:50 P M - Hr. 3 Min. From (B) 17 P.S.I. To (C) 17 P.S.I.
 Tool Closed I.C.I.P. From 12:50 P M. to 1:20 P M. - Hr. 30 Min. (D) 1294 P.S.I.
 Tool Open F.F.P. From 1:20 P M. to 2:50 P M. 1 Hr. 30 Min. From (E) 29 P.S.I. To (F) 114 P.S.I.
 Tool Closed F.C.I.P. From 2:50 P M. to 3:20 P M. - Hr. 30 Min. (G) 1103 P.S.I.
 Initial Hydrostatic Pressure (A) 2406 P.S.I. Final Hydrostatic Pressure (H) 2384 P.S.I.

SURFACE Size Choke 3/4 in. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
 INFORMATION _____ M. _____
 _____ M. _____
 _____ M. _____

BLOW Fair throughout Bottom Choke Size 3/4 in.
 Did Well Flow Yes No _____ Recovery Total Ft. 180' Clean Oil - 120' Mtg Oil - 300' G.I.P.

Reversed Out Yes No _____ Mud Type Starch Viscosity 47 Weight _____ Maximum Temp. 128 °F
 EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Jars: Size No Make _____ Ser. No. _____
 Type Circ. Sub Plug Did Tool Plug? No Where? _____ Did Packer Hold? Yes
 Length Drill Pipe 3531 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 937 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.
 I. D. Drill Collars _____ in. Length D. S. T. Tool 31 ft.

Remarks _____

WESTERN TESTING CO., INC.
Pressure Data

Date 11-10-63 Test Ticket No. 3602
 Recorder No. 1562 Capacity 3150# Location 4434 Ft.
 Clock No. 6892 Elevation 2361' K.B. Well Temperature 128 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2406</u> P.S.I.	Opened Tool	<u>12:45 P</u> M	<u>12:45 PM</u>
B First Initial Flow Pressure	<u>17</u> P.S.I.	First Flow Pressure	<u>3</u> Mins.	<u>3</u> Mins.
C First Final Flow Pressure	<u>17</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>28</u> Mins.
D Initial Closed-in Pressure	<u>1294</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>88</u> Mins.
E Second Initial Flow Pressure	<u>29</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>114</u> P.S.I.			
G Final Closed-in Pressure	<u>1103</u> P.S.I.			
H Final Hydrostatic Mud	<u>2384</u> P.S.I.			

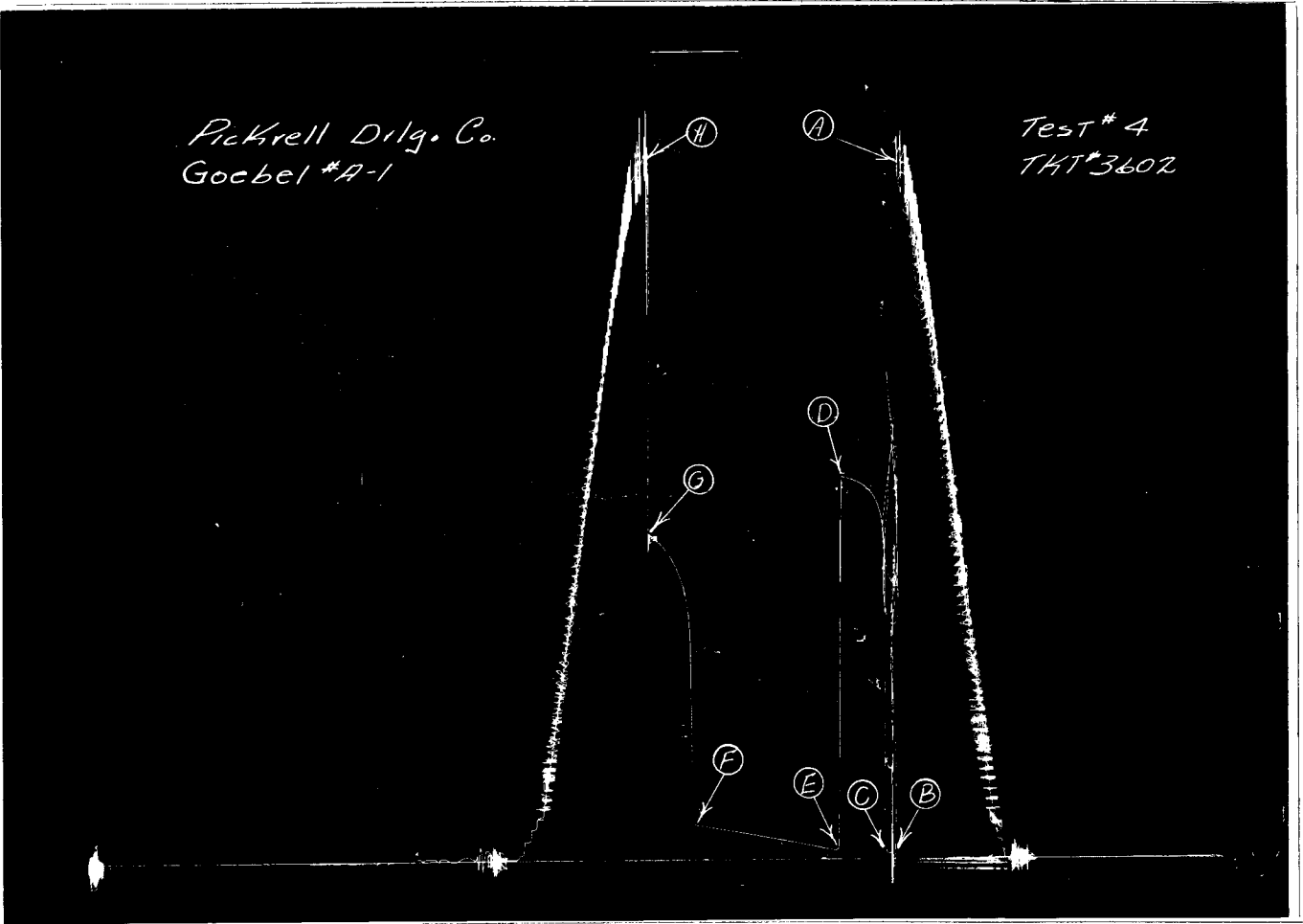
PRESSURE BREAKDOWN

First Flow Press. Breakdown: <u>1</u> Inc. of <u>3</u> mins. and a final inc. of <u>-</u> Min.	Initial Shut-In Breakdown: <u>9</u> Inc. of <u>3</u> mins. and a final inc. of <u>1</u> Min.	Second Flow Pressure Breakdown: <u>17</u> Inc. of <u>5</u> mins. and a final inc. of <u>3</u> Min.	Final Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>-</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1	<u>0</u>	<u>17</u>	<u>0</u>	<u>17</u>	<u>0</u>	<u>29</u>	<u>0</u>	<u>114</u>
P 2	<u>3</u>	<u>17</u>	<u>3</u>	<u>1113</u>	<u>5</u>	<u>31</u>	<u>3</u>	<u>510</u>
P 3			<u>6</u>	<u>1196</u>	<u>10</u>	<u>36</u>	<u>6</u>	<u>858</u>
P 4			<u>9</u>	<u>1234</u>	<u>15</u>	<u>42</u>	<u>9</u>	<u>928</u>
P 5			<u>12</u>	<u>1253</u>	<u>20</u>	<u>47</u>	<u>12</u>	<u>976</u>
P 6			<u>15</u>	<u>1267</u>	<u>25</u>	<u>51</u>	<u>15</u>	<u>1032</u>
P 7			<u>18</u>	<u>1277</u>	<u>30</u>	<u>58</u>	<u>18</u>	<u>1040</u>
P 8			<u>21</u>	<u>1283</u>	<u>35</u>	<u>62</u>	<u>21</u>	<u>1061</u>
P 9			<u>24</u>	<u>1288</u>	<u>40</u>	<u>67</u>	<u>24</u>	<u>1076</u>
P 10			<u>27</u>	<u>1293</u>	<u>45</u>	<u>73</u>	<u>27</u>	<u>1092</u>
P 11			<u>28</u>	<u>1294</u>	<u>50</u>	<u>80</u>	<u>30</u>	<u>1103</u>
P 12					<u>55</u>	<u>84</u>		
P 13					<u>60</u>	<u>85</u>		
P 14					<u>65</u>	<u>92</u>		
P 15					<u>70</u>	<u>97</u>		
P 16					<u>75</u>	<u>103</u>		
P 17					<u>80</u>	<u>106</u>		
P 18					<u>85</u>	<u>111</u>		
P 19					<u>88</u>	<u>114</u>		
P 20								

Pickrell Drilg. Co.
Goebel #A-1

Test # 4
TKT#3602



This is an actual photograph of recorder chart.

POINT

PRESSURE

(A)	Initial Hydrostatic Mud	2406	PSI
(B)	First Initial Flow Pressure	17	PSI
(C)	First Final Flow Pressure	17	PSI
(D)	Initial Closed-in Pressure	1294	PSI
(E)	Second Initial Flow Pressure	29	PSI
(F)	Second Final Flow Pressure	114	PSI
(G)	Final Closed-in Pressure	1103	PSI
(H)	Final Hydrostatic Mud	2384	PSI