

FORMATION

TEST

REPORT



HOME OFFICE

P. O. BOX 793

GREAT BEND, KANSAS

Gladstone 3-7903

COMPANY Pickrell Drilling Company

LEASE AND WELL NO. Humburg #2

SEC. 25

TWP. 19

RGE. 22

TEST NO. 7

DATE 7



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

Company Pickrell Drlg. Co. Lease & Well No. Humburg #2
Elevation 2268' K.B. Ticket Number 4427
Date 5-2-64 Sec. 25 Twp. 19 Range 22 County Ness State Kansas
Test Approved by Dan Bowles Western Representative Bill Hager

Formation Test No. 1 O.K. Misrun _____ Interval Tested From 4358' to 4380' Total Depth 4380'
Size Main Hole 7 7/8" Rat Hole None Conv. _____ B.T. Damaged Yes No Conv. B.T. _____ Damaged Yes No
Packer Depth 4353 Ft. Size 6 3/4" Packer Depth 4358 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 22 Ft. Size 5 1/2" OD

RECORDERS Depth 4372 Ft. Clock No. 6893 Depth 4375 Ft. Clock No. 105
Top Make Amerada Cap. 4000# No. 1566 Inside _____ Outside _____ Bottom Make Western Cap. 4000# No. 22 Inside _____ Outside _____
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____
Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____

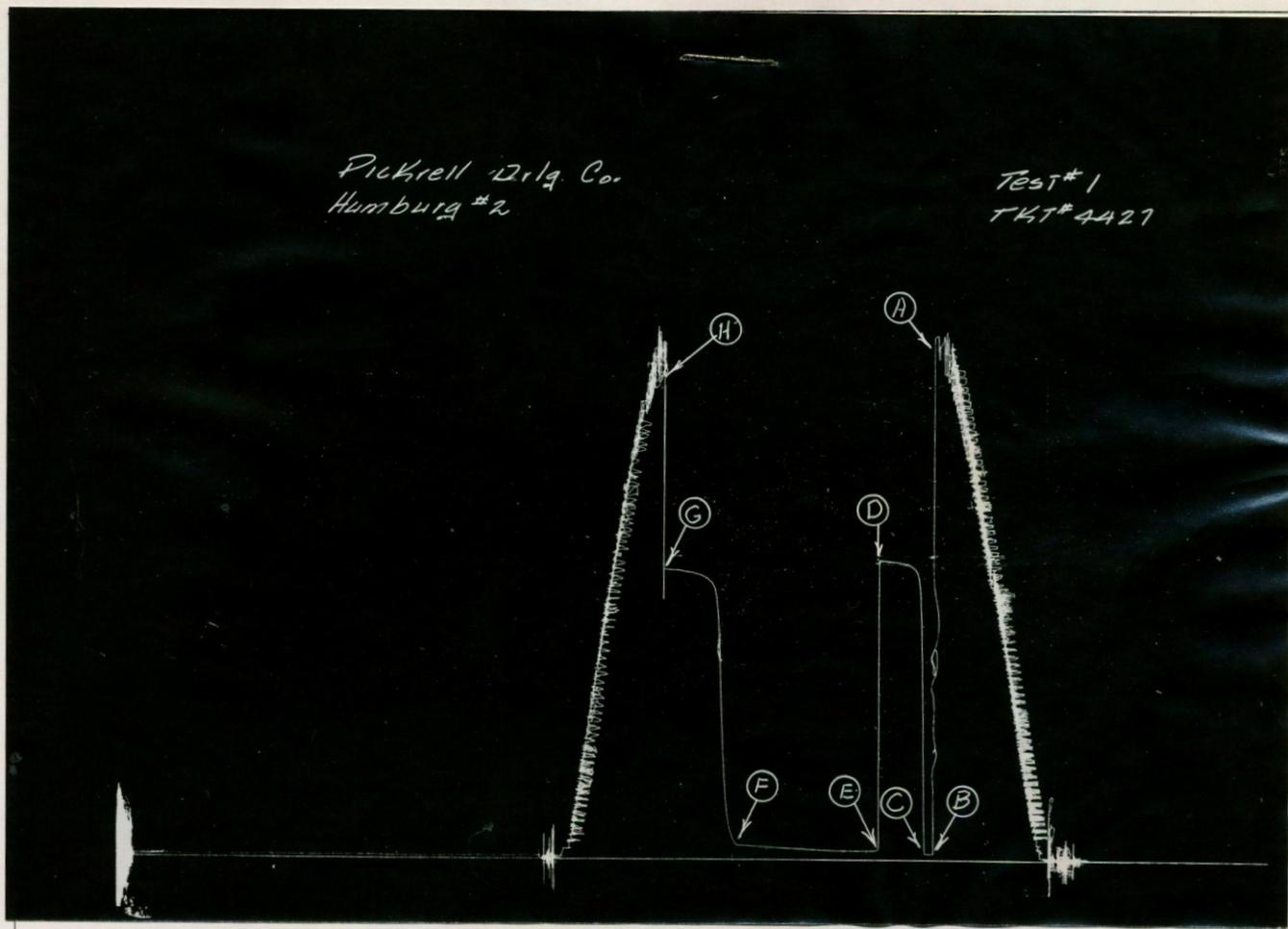
Time Set Packer 1:18 P M
Tool Open I.F.P. From 1:20 M to 1:23P M - Hr. 3 Min. From (B) 28 P.S.I. To (C) 28 P.S.I.
Tool Closed I.C.I.P. From 1:24P M. to 1:54P M. - Hr. 30 Min. (D) 1383 P.S.I.
Tool Open F.F.P. From 1:55P M. to 3:25P M. 1 Hr. 30 Min. From (E) 43 P.S.I. To (F) 66 P.S.I.
Tool Closed F.C.I.P. From 3:26P M. to 4:11P M. - Hr. 45 Min. (G) 1338 P.S.I.
Initial Hydrostatic Pressure (A) 2367 P.S.I. Final Hydrostatic Pressure (H) 2361 P.S.I.

SURFACE Size Choke 3/8 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW Weak to fair blow Bottom Choke Size 3/4 In.
Did Well Flow Yes No _____ Recovery Total Ft. 124' - 62' V.H.O.C.M. - 62' O.C.M.

Reversed Out Yes No _____ Mud Type Starch Viscosity 10.2 Weight 46 Maximum Temp. 125 °F
EXTRA EQUIPMENT: Dual Packers Safety Joint Jars: Size No Make _____ Ser. No. _____
Type Circ. Sub. Plug Did Tool Plug? Where? _____ Did Packer Hold?
Length Drill Pipe 3439 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 900 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D. S. T. Tool 41 ft.

Remarks _____



This is an actual photograph of recorder chart.

POINT

PRESSURE

(A) Initial Hydrostatic Mud	2367	PSI
(B) First Initial Flow Pressure	28	PSI
(C) First Final Flow Pressure	28	PSI
(D) Initial Closed-in Pressure	1383	PSI
(E) Second Initial Flow Pressure	43	PSI
(F) Second Final Flow Pressure	66	PSI
(G) Final Closed-in Pressure	1338	PSI
(H) Final Hydrostatic Mud	2361	PSI

FORMATION TEST REPORT



HOME OFFICE
P. O. BOX 793

GREAT BEND, KANSAS
Gladstone 3-7903

COMPANY Pickrell Drilling Co. LEASE AND WELL NO. Humbourg #2 SEC. 25 TWP. 19 RGE. 22 TEST NO. 2 DATE 5-3



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

Company Pickrell Drlg. Company Lease & Well No. Humburg #2
 Elevation 2268' K.B. Ticket Number 4428
 Date 5-3-64 Sec. 25 Twp. 19 Range 22 County Ness State Kansas
 Test Approved by Dan Bowles Western Representative Bill Hager

Formation Test No. 2 O.K. Misrun _____ Interval Tested From 4380' to 4385' Total Depth 4385'
 Size Main Hole 7 7/8" Rat Hole None Conv. _____ B.T. Damaged Yes No Conv. B.T. _____ Damaged Yes No
 Packer Depth 4375 Ft. Size 6 3/4" Packer Depth 4380 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 5 Ft. Size 5 1/2" OD

RECORDERS Depth 4365 Ft. Clock No. 6893 Depth 4368 Ft. Clock No. 105
 Top Make Amerada Cap. 4000# No. 1566 Inside _____ Outside _____ Bottom Make Western Cap. 4000# No. 22 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 1:27A M
 Tool Open I.F.P. From 1:29A M to 1:32A M - Hr. 3 Min. From (B) 25 P.S.I. To (C) 25 P.S.I.
 Tool Closed I.C.I.P. From 1:33A M. to 2:03A M. - Hr. 30 Min. (D) 1356 P.S.I.
 Tool Open F.F.P. From 2:04A M. to 3:04A M. 1 Hr. - Min. From (E) 43 P.S.I. To (F) 95 P.S.I.
 Tool Closed F.C.I.P. From 3:05A M. to 3:35A M. - Hr. 30 Min. (G) 1381 P.S.I.
 Initial Hydrostatic Pressure (A) 2356 P.S.I. Final Hydrostatic Pressure (H) 2343 P.S.I.

SURFACE Size Choke 3/8 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
 INFORMATION _____ M. _____
 _____ M. _____
 _____ M. _____

BLOW Good blow throughout Bottom Choke Size 3/4 In.
 Did Well Flow Yes No _____ Recovery Total Ft. 124' G.I.P. - 200' Clean Oil - 88' Muddy Oil

Reversed Out Yes No Mud Type Starch Viscosity 10.2 Weight 46 Maximum Temp. 125 °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 3454 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 900 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 42 Gr. @ 72°

WESTERN TESTING CO., INC.
Pressure Data

Date 5-3-64 Test Ticket No. 4428
 Recorder No. 1566 Capacity 4300# Location 4365 Ft.
 Clock No. 6893 Elevation 2268' K.B. Well Temperature 125 °F

Point	Pressure	P.S.I.	Opened Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2356</u>	P.S.I.		<u>1:27 A</u>	<u>1:27 AM</u>
B First Initial Flow Pressure	<u>25</u>	P.S.I.	First Flow Pressure	<u>3</u> Mins.	<u>4</u> Mins.
C First Final Flow Pressure	<u>25</u>	P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1356</u>	P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>43</u>	P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>95</u>	P.S.I.			
G Final Closed-in Pressure	<u>1381</u>	P.S.I.			
H Final Hydrostatic Mud	<u>2343</u>	P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.
 Breakdown: 1 Inc.
 of 4 mins. and a
 final inc. of - Min.

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

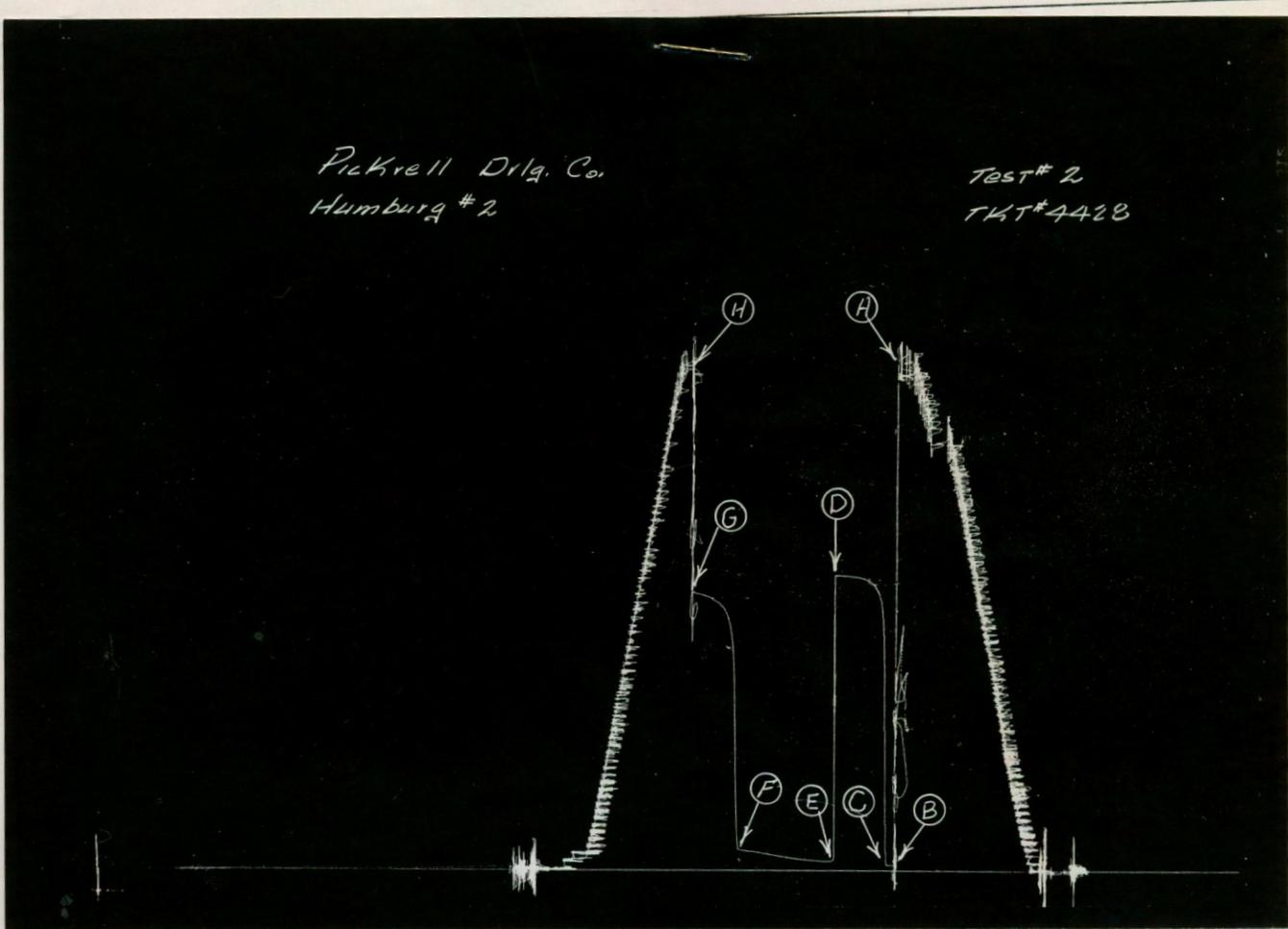
Second Flow Pressure
 Breakdown: 12 Inc.
 of 5 mins. and a
 final inc. of - Min.

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.
P 1 <u>0</u>	<u>25</u>	<u>0</u>	<u>25</u>	<u>0</u>	<u>43</u>	<u>0</u>	<u>95</u>
P 2 <u>4</u>	<u>25</u>	<u>3</u>	<u>669</u>	<u>5</u>	<u>44</u>	<u>3</u>	<u>636</u>
P 3		<u>6</u>	<u>1248</u>	<u>10</u>	<u>45</u>	<u>6</u>	<u>1059</u>
P 4		<u>9</u>	<u>1308</u>	<u>15</u>	<u>49</u>	<u>9</u>	<u>1175</u>
P 5		<u>12</u>	<u>1330</u>	<u>20</u>	<u>54</u>	<u>12</u>	<u>1214</u>
P 6		<u>15</u>	<u>1340</u>	<u>25</u>	<u>58</u>	<u>15</u>	<u>1233</u>
P 7		<u>18</u>	<u>1347</u>	<u>30</u>	<u>64</u>	<u>18</u>	<u>1246</u>
P 8		<u>21</u>	<u>1351</u>	<u>35</u>	<u>69</u>	<u>21</u>	<u>1259</u>
P 9		<u>24</u>	<u>1353</u>	<u>40</u>	<u>75</u>	<u>24</u>	<u>1265</u>
P10		<u>27</u>	<u>1355</u>	<u>45</u>	<u>84</u>	<u>27</u>	<u>1269</u>
P11		<u>30</u>	<u>1356</u>	<u>50</u>	<u>87</u>	<u>30</u>	<u>1381</u>
P12				<u>55</u>	<u>91</u>		
P13				<u>60</u>	<u>95</u>		
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Pickrell Drilg. Co.
Humburg # 2

Test # 2
TKT# 4428



This is an actual photograph of recorder chart.

POINT	PRESSURE	
(A) Initial Hydrostatic Mud	2356	PSI
(B) First Initial Flow Pressure	25	PSI
(C) First Final Flow Pressure	25	PSI
(D) Initial Closed-in Pressure	1356	PSI
(E) Second Initial Flow Pressure	43	PSI
(F) Second Final Flow Pressure	95	PSI
(G) Final Closed-in Pressure	1381	PSI
(H) Final Hydrostatic Mud	2343	PSI