

15-135-30139



12-20s-21w

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

Company Pickrell Drilling Company Lease & Well No. Hindergardt #1  
Elevation 2240 Kelly Bushings Formation Mississippi Ticket Number 5119  
Date Dec 21, 1965 Sec. 12 Twp. 20s Range 21w County Ness State Kansas  
Test Approved by Robert M. Euwer Western Representative Dean Blgrave

Formation Test No. 1 O.K.  Misrun \_\_\_\_\_ Interval Tested From 4379' to 4384' Total Depth 4384'  
Size Main Hole 7 7/8 Rat Hole none Conv. \_\_\_\_\_ B.T.  Damaged \_\_\_\_\_ Yes  No Conv.  B.T. \_\_\_\_\_ Damaged \_\_\_\_\_ Yes  No  
Packer Depth 4374 Ft. Size 6 3/4 Packer Depth 4379' 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 FI Anchor Length 5 Ft. Size 5 1/2 OD  
RECORDERS Depth 4369 Ft. Clock No. 6774 Depth 4381 Ft. Clock No. 158  
Top Make Amerada Cap. 4300 No. 1867 Inside \_\_\_\_\_ Outside \_\_\_\_\_ Bottom Make Western Cap. 3600 No. 30 Inside \_\_\_\_\_ Outside \_\_\_\_\_  
Below Straddle: Depth \_\_\_\_\_ Clock No. \_\_\_\_\_ Inside \_\_\_\_\_ Outside \_\_\_\_\_  
Top Make \_\_\_\_\_ Cap. \_\_\_\_\_ No. \_\_\_\_\_ Bottom Make \_\_\_\_\_ Cap. \_\_\_\_\_ No. \_\_\_\_\_ Inside \_\_\_\_\_ Outside \_\_\_\_\_

Time Set Packer 10:57A M  
Tool Open I.F.P. From 11:00A M to 11:05 M Hr. 5 Min. From (B) \_\_\_\_\_ P.S.I. To (C) \_\_\_\_\_ P.S.I.  
Tool Closed I.C.I.P. From 11:05A M. to 11:35 M. Hr. 30 Min. (D) \_\_\_\_\_ 1294 P.S.I.  
Tool Open F.F.P. From 11:35A M. to 12:05 M. Hr. 30 Min. From (E) \_\_\_\_\_ P.S.I. To (F) \_\_\_\_\_ P.S.I.  
Tool Closed F.C.I.P. From 12:05 M. to 12:35 M. Hr. 30 Min. (G) \_\_\_\_\_ 1208 P.S.I.  
Initial Hydrostatic Pressure (A) 2321 P.S.I. Final Hydrostatic Pressure (H) 2297 P.S.I.

SURFACE Size Choke 1/4 In. Max. Press. P.S.I. \_\_\_\_\_ Time \_\_\_\_\_ Description of Flow \_\_\_\_\_  
INFORMATION \_\_\_\_\_ M. \_\_\_\_\_  
\_\_\_\_\_ M. \_\_\_\_\_  
\_\_\_\_\_ M. \_\_\_\_\_

BLOW Weak for five minutes. Bottom Choke Size 3/4 in.

Did Well Flow \_\_\_\_\_ Yes  No \_\_\_\_\_ Recovery Total Ft. 5' mud with seam of oil

Reversed Out \_\_\_\_\_ Yes  No \_\_\_\_\_ Mud Type starch Viscosity 49 Weight 10 Maximum Temp. 117 °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 \_\_\_\_\_ ft. I.D. Drill Pipe \_\_\_\_\_ in Length Weight Pipe 1075 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars none ft.

I. D. Drill Collars \_\_\_\_\_ in. Length D.S.T. Tool 23 ft.

Remarks

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date December 21, 1965 Test Ticket No. 5119  
 Recorder No. 1567 Capacity 4300 Location 4369 Ft.  
 Clock No. 6774 Elevation 2240 Kelly Bushings Well Temperature 117 °F

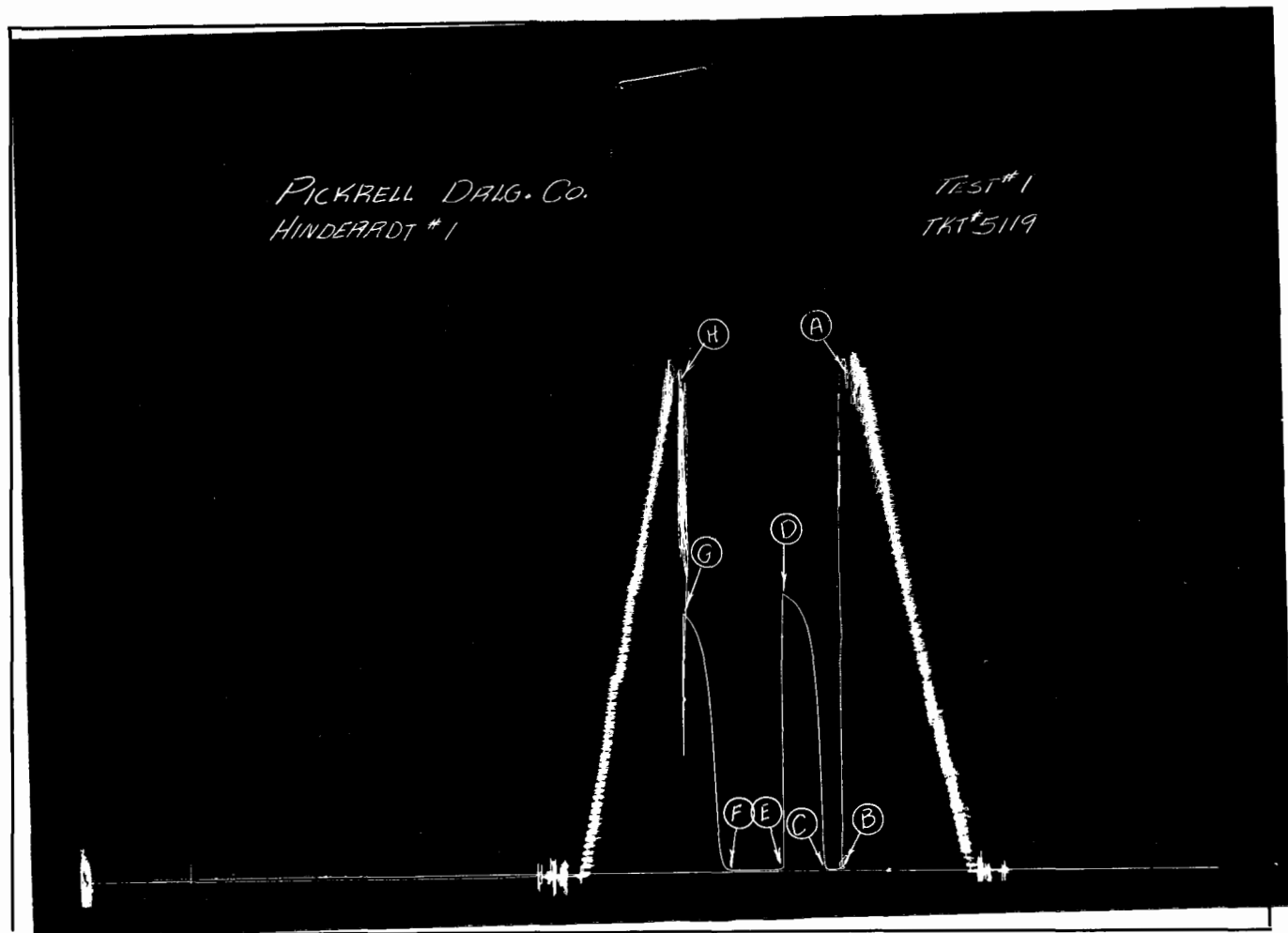
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2321</u> P.S.I.	Opened Tool	<u>10:57 A</u>	<u>M</u>
B First Initial Flow Pressure	<u>6</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>6</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>1294</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>6</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>8</u> P.S.I.			
G Final Closed-in Pressure	<u>1208</u> P.S.I.			
H Final Hydrostatic Mud	<u>2297</u> P.S.I.			

**PRESSURE BREAKDOWN**

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>1</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.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>6</u>	<u>0</u>	<u>6</u>	<u>0</u>	<u>8</u>	<u>0</u>	<u>8</u>
P 2 <u>5</u>	<u>6</u>	<u>3</u>	<u>231</u>	<u>5</u>	<u>8</u>	<u>3</u>	<u>17</u>
P 3		<u>6</u>	<u>738</u>	<u>10</u>	<u>8</u>	<u>6</u>	<u>71</u>
P 4		<u>9</u>	<u>976</u>	<u>15</u>	<u>8</u>	<u>9</u>	<u>263</u>
P 5		<u>12</u>	<u>1111</u>	<u>20</u>	<u>8</u>	<u>12</u>	<u>622</u>
P 6		<u>15</u>	<u>1189</u>	<u>25</u>	<u>8</u>	<u>15</u>	<u>876</u>
P 7		<u>18</u>	<u>1232</u>	<u>30</u>	<u>8</u>	<u>18</u>	<u>1021</u>
P 8		<u>21</u>	<u>1260</u>			<u>21</u>	<u>1103</u>
P 9		<u>24</u>	<u>1279</u>			<u>24</u>	<u>1154</u>
P10		<u>27</u>	<u>1294</u>			<u>27</u>	<u>1187</u>
P11						<u>30</u>	<u>1208</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

PICKRELL DAUG. Co.  
HINDERADT #1

TEST #1  
TKT 5119



This is an actual photograph of recorder chart.

POINT	PRESSURE	PSI
(A) Initial Hydrostatic Mud .....	2321	PSI
(B) First Initial Flow Pressure .....	6	PSI
(C) First Final Flow Pressure .....	6	PSI
(D) Initial Closed-in Pressure .....	1294	PSI
(E) Second Initial Flow Pressure .....	8	PSI
(F) Second Final Flow Pressure .....	8	PSI
(G) Final Closed-in Pressure .....	1208	PSI
(H) Final Hydrostatic Mud .....	2297	PSI



Home Office: Great Bend, Kansas

P. O. Box 793

Swift 3-7903

Pickrell Drilling Company

Hindergardt #1

Company 2240 Kelly Bushings Lease & Well No. Mississippi 5120  
 Elevation Dec. 21, 1965 Formation 20s Ticket Number 21w  
 Date 12 Sec. 20s Range Ness County Kansas  
 Test Approved by R. M. Euwer Western Representative Dean Blagrave

Formation Test No. 2 O.K.  Misrun \_\_\_\_\_ Interval Tested From 4379' to 4389' Total Depth 4389'  
 Size Main Hole 7 7/8 Rat Hole none Conv. \_\_\_\_\_ B.T.  Damaged \_\_\_\_\_ Yes  No Conv.  B.T. \_\_\_\_\_ Damaged \_\_\_\_\_ Yes  No  
 Packer Depth 4374 Ft. Size 6 3/4 Packer Depth 4379 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 10 Ft. Size 5 1/2 OD  
 RECORDERS Depth 4382 Ft. Clock No. 6774 Depth 4385 Ft. Clock No. 158  
 Top Make Amerada Cap. 4300 No. 1567 Inside ~~Outside~~ Bottom Make Western Cap. 3600 No. 30 ~~Inside~~ Outside  
 Below Straddle: Depth \_\_\_\_\_ Clock No. \_\_\_\_\_ Inside \_\_\_\_\_ Outside \_\_\_\_\_  
 Top Make \_\_\_\_\_ Cap. \_\_\_\_\_ No. \_\_\_\_\_ Inside \_\_\_\_\_ Bottom Make \_\_\_\_\_ Cap. \_\_\_\_\_ No. \_\_\_\_\_ Outside \_\_\_\_\_

Time Set Packer 9:42 P \_\_\_\_\_ M  
 Tool Open I.F.P. From 9:45 M to 9:50 M Hr. 5 Min. From (B) 21 P.S.I. To (C) 21 P.S.I.  
 Tool Closed I.C.I.P. From 9:50 M. to 10:20 M. Hr. 30 Min. (D) 1292 P.S.I.  
 Tool Open F.F.P. From 10:20 M. to 10:50 M. Hr. 30 Min. From (E) 27 P.S.I. To (F) 32 P.S.I.  
 Tool Closed F.C.I.P. From 10:50 M. to 11:20 M. Hr. 30 Min. (G) 1197 P.S.I.  
 Initial Hydrostatic Pressure (A) 2278 P.S.I. Final Hydrostatic Pressure (H) 2261 P.S.I.

SURFACE Size Choke 1/4 In. Max. Press. P.S.I. \_\_\_\_\_ Time \_\_\_\_\_ Description of Flow \_\_\_\_\_  
 INFORMATION \_\_\_\_\_ M. \_\_\_\_\_  
 \_\_\_\_\_ M. \_\_\_\_\_  
 \_\_\_\_\_ M. \_\_\_\_\_

BLOW Weak for 5 minutes. Bottom Choke Size 3/4 In.  
 Did Well Flow \_\_\_\_\_ Yes  No \_\_\_\_\_ Recovery Total Ft. 10' mud with oil scum.

Reversed Out \_\_\_\_\_ Yes  No \_\_\_\_\_ Mud Type starch Viscosity 49 Weight 10 Maximum Temp. 117 °F

EXTRA EQUIPMENT: Dual Packers yes Safety Joint \_\_\_\_\_ No \_\_\_\_\_ Size no Make \_\_\_\_\_ Ser. No. \_\_\_\_\_  
 Type Circ. Sub. plug Did Tool Plug? no Where? \_\_\_\_\_ Did Packer Hold? yes

Length Drill Pipe \_\_\_\_\_ ft. I.D. Drill Pipe \_\_\_\_\_ in Length Weight Pipe 1075 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars none ft.  
 I. D. Drill Collars \_\_\_\_\_ in. Length D.S.T. Tool 18 ft.

Remarks Flushed at 15 minutes.

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date December 21, 1965 Test Ticket No. 5120  
 Recorder No. 1567 Capacity 4300 Location 4382 Ft.  
 Clock No. 6774 Elevation 2240 Kelly Bushings Well Temperature 117 °F

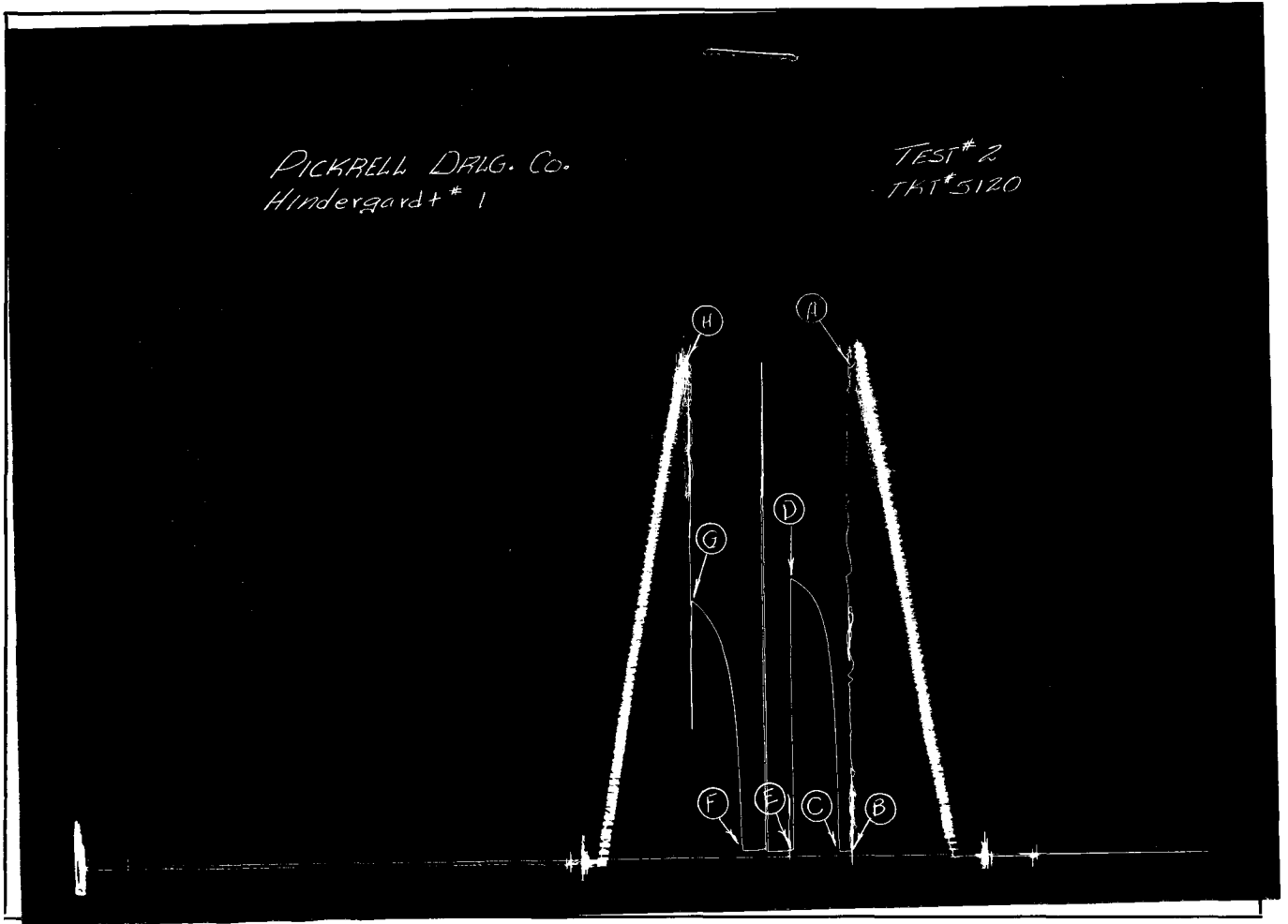
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2278</u> P.S.I.	Opened Tool	<u>9:42 P</u> M	
B First Initial Flow Pressure	<u>21</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>21</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1292</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>27</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>32</u> Mins.
F Second Final Flow Pressure	<u>32</u> P.S.I.			
G Final Closed-in Pressure	<u>1197</u> P.S.I.			
H Final Hydrostatic Mud	<u>2261</u> P.S.I.			

**PRESSURE BREAKDOWN**

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>1</u> Inc.		Breakdown: <u>10</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>2</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>21</u>	<u>0</u>	<u>21</u>	<u>0</u>	<u>27</u>	<u>0</u>	<u>32</u>
P 2 <u>5</u>	<u>21</u>	<u>3</u>	<u>745</u>	<u>5</u>	<u>27</u>	<u>3</u>	<u>517</u>
P 3		<u>6</u>	<u>952</u>	<u>10</u>	<u>27</u>	<u>6</u>	<u>762</u>
P 4		<u>9</u>	<u>1068</u>	<u>15</u>	<u>27</u>	<u>9</u>	<u>876</u>
P 5		<u>12</u>	<u>1146</u>	<u>20</u>	<u>32</u>	<u>12</u>	<u>971</u>
P 6		<u>15</u>	<u>1189</u>	<u>25</u>	<u>32</u>	<u>15</u>	<u>1034</u>
P 7		<u>18</u>	<u>1225</u>	<u>30</u>	<u>32</u>	<u>18</u>	<u>1079</u>
P 8		<u>21</u>	<u>1247</u>			<u>21</u>	<u>1113</u>
P 9		<u>24</u>	<u>1266</u>			<u>24</u>	<u>1146</u>
P10		<u>27</u>	<u>1281</u>			<u>27</u>	<u>1169</u>
P11		<u>30</u>	<u>1292</u>			<u>30</u>	<u>1189</u>
P12						<u>32</u>	<u>1197</u>
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

PICKRELL DRUG. Co.  
Hindergardt\* 1

TEST # 2  
TKT # 5120



This is an actual photograph of recorder chart.

POINT	PRESSURE
(A) Initial Hydrostatic Mud .....	2278 PSI
(B) First Initial Flow Pressure .....	21 PSI
(C) First Final Flow Pressure .....	21 PSI
(D) Initial Closed-in Pressure .....	1292 PSI
(E) Second Initial Flow Pressure .....	27 PSI
(F) Second Final Flow Pressure .....	32 PSI
(G) Final Closed-in Pressure .....	1197 PSI
(H) Final Hydrostatic Mud .....	2261 PSI