



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

Company Vincent Oil Corp. Lease & Well No. Dietz 1-B  
Elevation 1856 Kelly Bushings Formation Kansas City Effective Pay \_\_\_\_\_ Ft. Ticket No. 18529  
Date 12-28-72 Sec. 28 Twp. 15S Range 14W County Russell State Kansas  
Test Approved by Robert G. Brooks Western Representative Leon Elmore

Formation Test No. 1 O.K.  Misrun \_\_\_\_\_ Interval Tested From 3082' to 3106' Total Depth 3106'  
Size Main Hole 7 7/8" Rat Hole \_\_\_\_\_ Conv. \_\_\_\_\_ B.T.  Damaged Yes  No Conv. \_\_\_\_\_ B.T. \_\_\_\_\_ Damaged Yes \_\_\_\_\_ No  
Packer Depth 3082 Ft. Size 6 3/4" Packer Depth \_\_\_\_\_ Ft. Size \_\_\_\_\_  
Straddle Yes \_\_\_\_\_ No  Conv. \_\_\_\_\_ B.T. \_\_\_\_\_ Damaged Yes \_\_\_\_\_ No

Packer Depth \_\_\_\_\_ Ft. Size \_\_\_\_\_  
Tool Size 5 1/2" O.D. Tool Jr. Size 4 1/2" F.H. Anchor Length 24 Ft. Size 5 1/2" O.D.

RECORDERS Depth 3097 Ft. Clock No. 8377 Depth 3100 Ft. Clock No. 5665  
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 \_\_\_\_\_  
Top Make \_\_\_\_\_ Cap \_\_\_\_\_ No. \_\_\_\_\_ Inside \_\_\_\_\_ Outside \_\_\_\_\_

Time Set Packer 5:10 P. M  
Tool Open I.F.P. From 5:14 M. to 5:29P. M. Hr. 15 Min. From (B) 9 P.S.I. To (C) 9 P.S.I.  
Tool Closed I.C.I.P. From 5:29 M. to 5:59P. M. Hr. 30 Min. (D) 28 P.S.I.  
Tool Open F.F.P. From 5:59 M. to 6:29P. M. Hr. 30 Min. From (E) 12 P.S.I. To (F) 14 P.S.I.  
Tool Closed F.C.I.P. From 6:29 M. to 7:14P. M. Hr. 45 Min. (G) 29 P.S.I.  
Initial Hydrostatic Pressure (A) 1692 P.S.I. Final Hydrostatic Pressure (H) 1655 P.S.I.

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

BLOW Weak for 15 min. Bottom Choke Size 3/4 In.  
Did Well Flow Yes  No \_\_\_\_\_ Recovery Total Ft. 5 feet mud

Reversed Out Yes  No \_\_\_\_\_ Mud Type Starch Viscosity 39 Weight 10.2 Water Loss 12.4 cc. Maximum Temp. 95 °F  
Type Circ. Sub. Plug Safety Joint No Jars: Size \_\_\_\_\_ Make \_\_\_\_\_ Ser. No. \_\_\_\_\_  
EXTRA EQUIPMENT: Dual Packers No Did Packer Hold? Yes Did Tool Plug? No Where? \_\_\_\_\_  
Length Drill Pipe 2136 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 931 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars - ft.  
I.D. Drill Collars - in. Length D.S.T. Tool 39 ft.

Remarks Flush tool on final flow - no Blow.

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

Date 12-28-72 Test Ticket No. 18529  
 Recorder No. 3085 Capacity 4500 Location 3097 Ft.  
 Clock No. 8377 Elevation 1856 Kelly Bushings Well Temperature 95 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1672</u> P.S.I.	Open Tool	<u>5:10 P.</u> M	
B First Initial Flow Pressure	<u>9</u> P.S.I.	First Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>9</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>28</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>12</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>14</u> P.S.I.			
G Final Closed-in Pressure	<u>29</u> P.S.I.			
H Final Hydrostatic Mud	<u>1655</u> P.S.I.			

**PRESSURE BREAKDOWN**

**First Flow Pressure**  
 Breakdown: 3 Inc.  
 of 5 mins. and a  
 final inc. of 0 Min.

**Initial Shut-In**  
 Breakdown: 10 Inc.  
 of 3 mins. and a  
 final inc. of 0 Min.

**Second Flow Pressure**  
 Breakdown: 6 Inc.  
 of 5 mins. and a  
 final inc. of 0 Min.

**Final Shut-In**  
 Breakdown: 15 Inc.  
 of 3 mins. and a  
 final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1	<u>0</u>	<u>9</u>	<u>0</u>	<u>9</u>	<u>0</u>	<u>12</u>	<u>0</u>	<u>14</u>
P 2	<u>5</u>	<u>9</u>	<u>3</u>	<u>10</u>	<u>5</u>	<u>12</u>	<u>3</u>	<u>15</u>
P 3	<u>10</u>	<u>9</u>	<u>6</u>	<u>13</u>	<u>10</u>	<u>12</u>	<u>6</u>	<u>16</u>
P 4	<u>15</u>	<u>9</u>	<u>9</u>	<u>15</u>	<u>15</u>	<u>14</u>	<u>9</u>	<u>17</u>
P 5			<u>12</u>	<u>18</u>	<u>20</u>	<u>14</u>	<u>12</u>	<u>18</u>
P 6			<u>15</u>	<u>20</u>	<u>25</u>	<u>14</u>	<u>15</u>	<u>20</u>
P 7			<u>18</u>	<u>21</u>	<u>30</u>	<u>14</u>	<u>18</u>	<u>21</u>
P 8			<u>21</u>	<u>22</u>			<u>21</u>	<u>22</u>
P 9			<u>24</u>	<u>23</u>			<u>24</u>	<u>23</u>
P10			<u>27</u>	<u>26</u>			<u>27</u>	<u>24</u>
P11			<u>30</u>	<u>28</u>			<u>30</u>	<u>25</u>
P12							<u>33</u>	<u>26</u>
P13							<u>36</u>	<u>26</u>
P14							<u>39</u>	<u>27</u>
P15							<u>42</u>	<u>28</u>
P16							<u>45</u>	<u>29</u>
P17								
P18								
P19								
P20								



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

Company **Vincent Oil Corp.** Lease & Well No. **Dietz 1-B**  
Elevation **1856 Kelly Bushings** Formation **Arbuckle** Effective Pay **9** Ft. Ticket No. **18530**  
Date **12-30-72** Sec. **28** Twp. **15S** Range **14W** County **Russell** State **Kansas**  
Test Approved by **Robert G. Brooks** Western Representative **Leon Elmore**

Formation Test No. **2** O.K.  Misrun Interval Tested From **3311'** to **3320'** Total Depth **3320'**  
Size Main Hole **7 7/8"** Rat Hole Conv.  B.T.  Damaged Yes  No Conv.  B.T.  Damaged Yes  No  
Packer Depth **3306** Ft. Size **6 3/4"** Packer Depth **3311** Ft. Size **6 3/4"**  
Straddle Yes  No  Conv.  B.T.  Damaged Yes  No

Packer Depth \_\_\_\_\_ Ft. Size \_\_\_\_\_  
Tool Size **5 1/2" O.D.** Tool Jt. Size **4 1/2" F.H.** Anchor Length **9** Ft. Size **5 1/2" O.D.**

RECORDERS Depth **3314** Ft. Clock No. **8377** Depth **3317** Ft. Clock No. **5665**  
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 \_\_\_\_\_  
Top Make \_\_\_\_\_ Cap \_\_\_\_\_ No. \_\_\_\_\_ Inside \_\_\_\_\_ Outside \_\_\_\_\_  
Bottom Make \_\_\_\_\_ Cap \_\_\_\_\_ No. \_\_\_\_\_ Inside \_\_\_\_\_ Outside \_\_\_\_\_

Time Set Packer **7:03** A.M.  
Tool Open I.F.P. From **7:07** M. to **7:22A** M. Hr. **15** Min. From (B) **12** P.S.I. To (C) **38** P.S.I.  
Tool Closed I.C.I.P. From **7:22** M. to **8:07A** M. Hr. **45** Min. (D) **1069** P.S.I.  
Tool Open F.F.P. From **8:07** M. to **9:07A** M. Hr. **60** Min. From (E) **59** P.S.I. To (F) **145** P.S.I.  
Tool Closed F.C.I.P. From **9:07** M. to **9:52A** M. Hr. **45** Min. (G) **1046** P.S.I.  
Initial Hydrostatic Pressure (A) **1817** P.S.I. Final Hydrostatic Pressure (H) **1796** P.S.I.

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

BLOW **Good thru out** Bottom Choke Size **3/4** In.  
Did Well Flow Yes  No  Recovery Total Ft. **255 feet free oil - 60 feet slightly muddy oil**  
**60 feet mud cut oil**

Reversed Out Yes  No  Mud Type **Starch** Viscosity **43** Weight **10** Water Loss **12** cc. Maximum Temp. **95** °F  
Type Circ. Sub. **Pin** Safety Joint **No** Jars: Size \_\_\_\_\_ Make \_\_\_\_\_ Ser. No. \_\_\_\_\_  
EXTRA EQUIPMENT: Dual Packers **Yes** Did Packer Hold? **Yes** Did Tool Plug? **No** Where? \_\_\_\_\_  
Length Drill Pipe **2360** ft. I.D. Drill Pipe **3.8** in. Length Weight Pipe **931** ft. I.D. Weight Pipe **2.7** in. Length Drill Collars \_\_\_\_\_ ft.  
I.D. Drill Collars \_\_\_\_\_ in. Length D.S.T. Tool **29** ft.

Remarks

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

Date 12-30-72 Recorder No. 3085 Capacity 4500 Test Ticket No. 18530  
 Location 3314 Ft. Clock No. 8377 Elevation 1856 Kelly Bushings Well Temperature 95 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1817</u>	P.S.I.	<u>7:03 A.</u>	<u>M</u>
B First Initial Flow Pressure	<u>12</u>	P.S.I.	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>38</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1069</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>59</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>145</u>	P.S.I.		
G Final Closed-in Pressure	<u>1046</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1796</u>	P.S.I.		

**PRESSURE BREAKDOWN**

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
	of <u>3</u> mins. and a		of <u>15</u> mins. and a		of <u>12</u> mins. and a		of <u>15</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 Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>0</u>	<u>12</u>	<u>0</u>	<u>38</u>	<u>0</u>	<u>59</u>	<u>0</u>	<u>145</u>
P 2	<u>5</u>	<u>21</u>	<u>3</u>	<u>772</u>	<u>5</u>	<u>62</u>	<u>3</u>	<u>868</u>
P 3	<u>10</u>	<u>31</u>	<u>6</u>	<u>995</u>	<u>10</u>	<u>69</u>	<u>6</u>	<u>960</u>
P 4	<u>15</u>	<u>38</u>	<u>9</u>	<u>1028</u>	<u>15</u>	<u>76</u>	<u>9</u>	<u>990</u>
P 5			<u>12</u>	<u>1048</u>	<u>20</u>	<u>86</u>	<u>12</u>	<u>1007</u>
P 6			<u>15</u>	<u>1055</u>	<u>25</u>	<u>93</u>	<u>15</u>	<u>1019</u>
P 7			<u>18</u>	<u>1060</u>	<u>30</u>	<u>101</u>	<u>18</u>	<u>1025</u>
P 8			<u>21</u>	<u>1064</u>	<u>35</u>	<u>107</u>	<u>21</u>	<u>1032</u>
P 9			<u>24</u>	<u>1065</u>	<u>40</u>	<u>115</u>	<u>24</u>	<u>1036</u>
P10			<u>27</u>	<u>1065</u>	<u>45</u>	<u>122</u>	<u>27</u>	<u>1040</u>
P11			<u>30</u>	<u>1066</u>	<u>50</u>	<u>132</u>	<u>30</u>	<u>1043</u>
P12			<u>33</u>	<u>1067</u>	<u>55</u>	<u>139</u>	<u>33</u>	<u>1043</u>
P13			<u>36</u>	<u>1067</u>	<u>60</u>	<u>145</u>	<u>36</u>	<u>1044</u>
P14			<u>39</u>	<u>1068</u>			<u>39</u>	<u>1045</u>
P15			<u>42</u>	<u>1069</u>			<u>42</u>	<u>1045</u>
P16			<u>45</u>	<u>1069</u>			<u>45</u>	<u>1046</u>
P17								
P18								
P19								
P20								



WESTERN TESTING CO., INC.

GREAT BEND, KANSAS 67530

(316) 793-7903

FIELD EVALUATIONS

Ticket No. 18530

Date 1-2-73

To Vincent Oil Corporation  
719 Union Center Bldg.  
Wichita, Kansas

These calculations are based upon information furnished by you and taken from drill stem test pressure charts and are furnished for your information. In furnishing such calculations and evaluations, Western Testing Co., Inc. is merely expressing its opinion. You agree that The Testing Company makes no warranty as to the accuracy of such calculations or opinions and the Testing Company shall not be liable for any loss or damage, whether due to negligence or otherwise in connection with such calculations and opinions.

We Give Below Results of Drill Stem Evaluation

Lease # 1-B Dietz Sec. 28 Twp. 15S Rge. 14W

County Russell, Kansas Test Interval 3311'-3320'

FINAL

P.S.I. Slope Cycle  $M = \frac{P_{isi} - P_{fsi}}{\log \frac{T + t}{t}}$  45.00

Damage Ratio  $DR = .183 \frac{P_s - P_f}{M}$  4.05

Production  $Q = \frac{1440 R}{t}$  1.99 Bbls./Hr.  
47.76 Bbls./Day

Effective Pay  $K_1 = \frac{K_h}{h_l}$  16.66 Md. Ft. per 9 feet of effective pay.

Theoretical Potential With Damage Removed  $Q_1 = Q DR$  192.42 Bbls./Day

MADE IN U. S. A.

SEMI-LOGARITHMIC  
2 CYCLES X 10 DIVISIONS PER INCH

Vincent Oil Corporation  
 # 1-B Dietz Russell County, Kansas  
 Drill stem test #2 3311'-3320'  
 Test ticket #18530  
 Initial  
 Final

10  
9  
8  
7  
6  
5  
4  
3  
2  
1  
0  
1  
2  
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4  
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6  
7  
8  
9  
10

900#

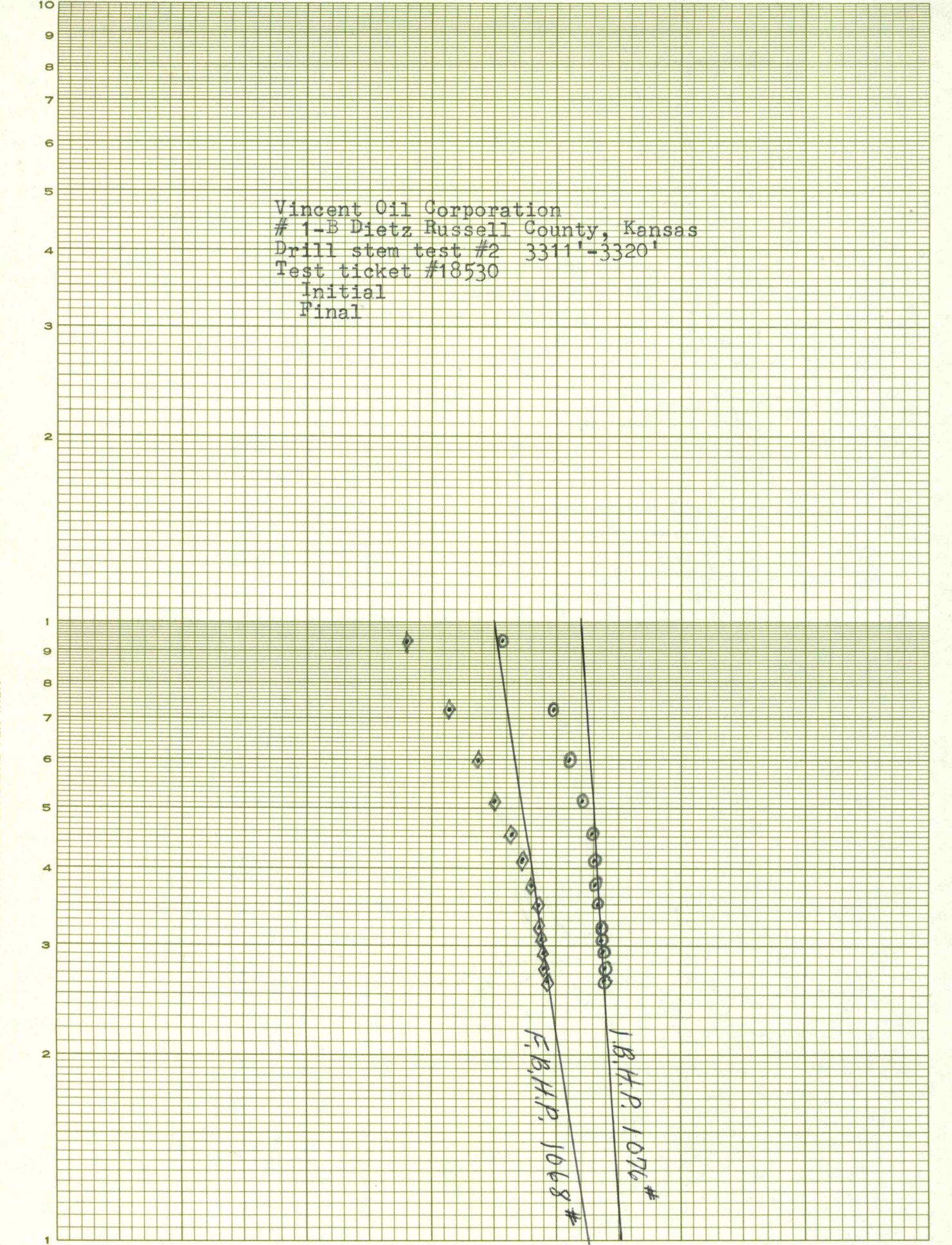
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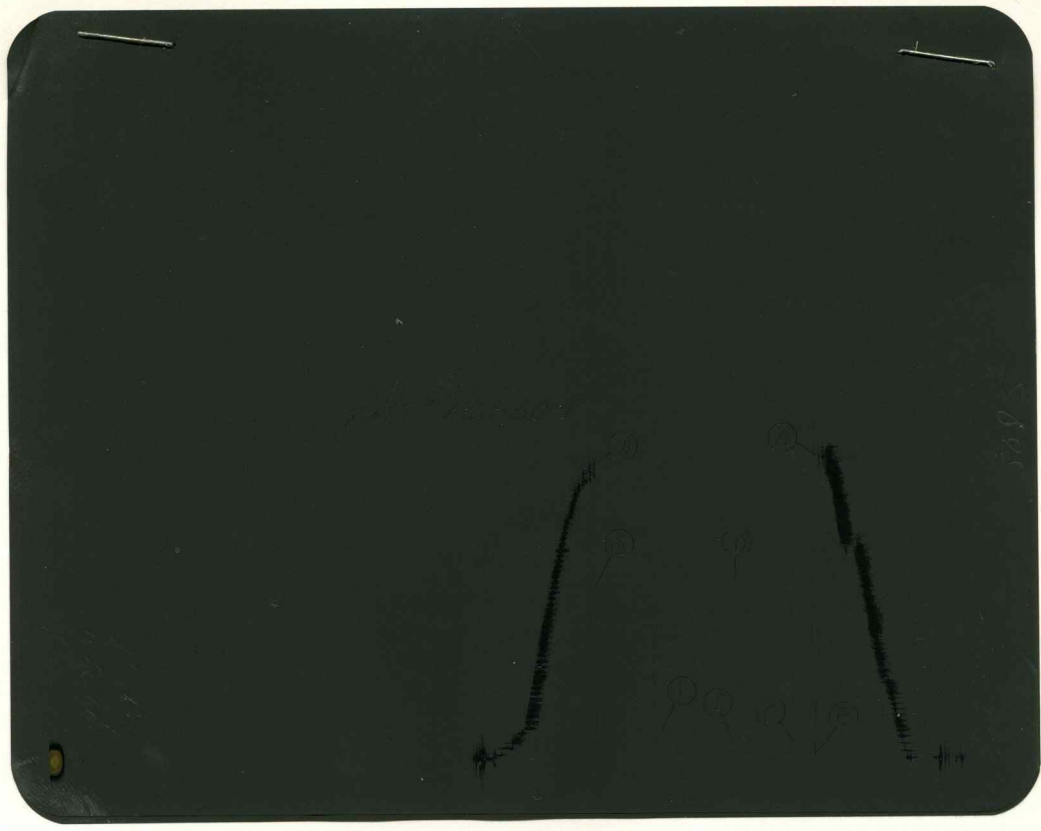
18,410 #





This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud .....	1684	1692	PSI
(B) First Initial Flow Pressure .....	6	9	PSI
(C) First Final Flow Pressure .....	6	9	PSI
(D) Initial Closed-in Pressure .....	23	28	PSI
(E) Second Initial Flow Pressure .....	6	12	PSI
(F) Second Final Flow Pressure .....	11	14	PSI
(G) Final Closed-in Pressure .....	23	29	PSI
(H) Final Hydrostatic Mud .....	1661	1655	PSI



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud .....	1822	1817	PSI
(B) First Initial Flow Pressure .....	6	12	PSI
(C) First Final Flow Pressure .....	33	38	PSI
(D) Initial Closed-in Pressure .....	1060	1069	PSI
(E) Second Initial Flow Pressure .....	59	59	PSI
(F) Second Final Flow Pressure .....	143	145	PSI
(G) Final Closed-in Pressure .....	1042	1046	PSI
(H) Final Hydrostatic Mud .....	1799	1796	PSI