



Home Office: Wichita, Kansas 67201

P.O. Box 1599

(316) 262-5861

Company Vincent Oil Corporation Lease & Well No. Schrag 'E' #1  
Elevation 1443 Kelly Bushing Formation Mississippi Effective Pay. ---- Ft. Ticket No. 7705  
Date 10/1/80 Sec 19 Twp 22S Range 2W County Harvey State Kansas  
Test Approved by George N. Mueller Western Representative Allen Edgington

Formation Test No. 1 Interval Tested from 3152 ft. to 3175 ft. Total Depth 3175 ft.

Packer Depth 3147 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3152 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3166 ft. Recorder Number 3354 Cap. 4200

Bottom Recorder Depth (Outside) 3170 ft. Recorder Number 10980 Cap. 4200

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Red Tiger Drlg. Rig #3 Drill Collar Length - I. D. - in.

Mud Type chemical Viscosity 34 Weight Pipe Length 1200 I. D. 2 1/2 in.

Weight 9.5 Water Loss 13.6 cc. Drill Pipe Length 1955 I. D. 3.8 in.

Chlorides 1,600 P.P.M. Test Tool Length 23 ft. Tool Size 4 1/2 OD in.

Jars: Make No Serial Number - Anchor Length 23 ft. Size 4 1/2 OD in.

Did Well Flow? Yes Reversed Out - Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: Strong. Gas to surface five minutes on preflow. See attached sheet for gas measurements.

Recovered 20 ft. of drilling mud

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: -

Time Set Packer(s) 7:15 A.M. P.M. Time Started Off Bottom 10:45 A.M. P.M. Maximum Temperature 115°

Initial Hydrostatic Pressure (A) 1631 P.S.I.

Initial Flow Period Minutes 30 (B) 88 P.S.I. to (C) 72 P.S.I.

Initial Closed In Period Minutes 60 (D) 783 P.S.I.

Final Flow Period Minutes 60 (E) 84 P.S.I. to (F) 63 P.S.I.

Final Closed In Period Minutes 60 (G) 833 P.S.I.

Final Hydrostatic Pressure (H) 1567 P.S.I.

## GAS FLOW REPORT

Date 10/1/80 Ticket 7705 Company Vincent Oil Corporation  
 Well Name and No. Schrag 'E' #1 Dst No. 1 Interval Tested 3152'-3175'  
 County Harvey State Kansas Sec. 19 Twp. 22S Rg. 2W

| Time Gauge Pre-Flow | Time Gauge in Min. | P.S.I. on Merla Orifice Well Tester | P.S.I. on Pitot Tester | P.S.I. on Side Static Tester | P.S.I. on U-Tube Tester | Description of Flow |
|---------------------|--------------------|-------------------------------------|------------------------|------------------------------|-------------------------|---------------------|
| <b>PRE FLOW</b>     |                    |                                     |                        |                              |                         |                     |
|                     | 10 min.            | 4.0 PSIG                            | 1/2" orifice           |                              |                         | 68,800 CFPD         |
|                     | 15 min.            | 6.5 PSIG                            | 1/2" orifice           |                              |                         | 90,100 CFPD         |
|                     | 20 min.            | 11.5 PSIG                           | 1/2" orifice           |                              |                         | 125,000 CFPD        |
|                     | 25 min.            | 14.0 PSIG                           | 3/4" orifice           |                              |                         | 141,000 CFPD        |
|                     | 30 min.            | 5.0 PSIG                            | 3/4" orifice           |                              |                         | 175,000 CFPD        |

|                    |         |          |              |  |  |              |
|--------------------|---------|----------|--------------|--|--|--------------|
| <b>SECOND FLOW</b> |         |          |              |  |  |              |
|                    | 35 min. | 5.5 PSIG | 3/4" orifice |  |  | 185,000 CFPD |
|                    | 40 min. | 5.0 PSIG | 3/4" orifice |  |  | 175,000 CFPD |
|                    | 45 min. | 5.0 PSIG | 3/4" orifice |  |  | 175,000 CFPD |
|                    | 50 min. | 5.0 PSIG | 3/4" orifice |  |  | 175,000 CFPD |
|                    | 55 min. | 5.0 PSIG | 3/4" orifice |  |  | 175,000 CFPD |
|                    | 60 min. | 5.0 PSIG | 3/4" orifice |  |  | 175,000 CFPD |
|                    | 65 min. | 5.0 PSIG | 3/4" orifice |  |  | 175,000 CFPD |
|                    | 70 min. | 5.0 PSIG | 3/4" orifice |  |  | 175,000 CFPD |
|                    | 75 min. | 5.0 PSIG | 3/4" orifice |  |  | 175,000 CFPD |
|                    | 80 min. | 5.0 PSIG | 3/4" orifice |  |  | 175,000 CFPD |
|                    | 85 min. | 5.0 PSIG | 3/4" orifice |  |  | 175,000 CFPD |
|                    | 90 min. | 5.0 PSIG | 3/4" orifice |  |  | 175,000 CFPD |

### GAS BOTTLE

Serial No. WTC #112 Date Bottle Filled 10/1/80 Date to be Invoiced 10/1/80

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1 1/2% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Vincent Oil Corporation  
 Authorized by George N. Mueller

# WESTERN TESTING CO., INC.

## Pressure Data

Date 10/1/80 Test Ticket No. 7705  
 Recorder No. 3354 Capacity 4200 Location 3166 Ft.  
 Clock No. - Elevation 1443 Kelly Bushing Well Temperature 115 °F  
 Point Pressure Time Given Time Computed  
 A Initial Hydrostatic Mud 1631 P.S.I. Open Tool 7:15A M  
 B First Initial Flow Pressure 88 P.S.I. First Flow Pressure 30 Mins 30 Mins.  
 C First Final Flow Pressure 72 P.S.I. Initial Closed-in Pressure 60 Mins 60 Mins.  
 D Initial Closed-in Pressure 783 P.S.I. Second Flow Pressure 60 Mins 60 Mins.  
 E Second Initial Flow Pressure 84 P.S.I. Final Closed-in Pressure 60 Mins 60 Mins.  
 F Second Final Flow Pressure 63 P.S.I.  
 G Final Closed-in Pressure 833 P.S.I.  
 H Final Hydrostatic Mud 1567 P.S.I.

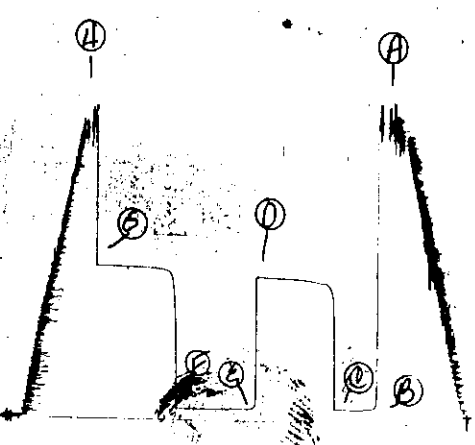
## PRESSURE BREAKDOWN

| First Flow Pressure<br>Breakdown: <u>6</u> Inc.<br>of <u>5</u> mins. and a<br>final inc. of <u>0</u> Min. |           | Initial Shut-In<br>Breakdown: <u>20</u> Inc.<br>of <u>3</u> mins. and a<br>final inc. of <u>0</u> Min. |            | Second Flow Pressure<br>Breakdown: <u>12</u> Inc.<br>of <u>5</u> mins. and a<br>final inc. of <u>0</u> Min. |           | Final Shut-In<br>Breakdown: <u>20</u> Inc.<br>of <u>3</u> mins. and a<br>final inc. of <u>0</u> Min. |            |
|-----------------------------------------------------------------------------------------------------------|-----------|--------------------------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------------------------|------------|
| Point<br>Mins.                                                                                            | Press.    | Point<br>Minutes                                                                                       | Press.     | Point<br>Minutes                                                                                            | Press.    | Point<br>Minutes                                                                                     | Press.     |
| P 1 <u>0</u>                                                                                              | <u>88</u> | <u>0</u>                                                                                               | <u>72</u>  | <u>0</u>                                                                                                    | <u>84</u> | <u>0</u>                                                                                             | <u>63</u>  |
| P 2 <u>5</u>                                                                                              | <u>79</u> | <u>3</u>                                                                                               | <u>644</u> | <u>5</u>                                                                                                    | <u>69</u> | <u>3</u>                                                                                             | <u>517</u> |
| P 3 <u>10</u>                                                                                             | <u>74</u> | <u>6</u>                                                                                               | <u>730</u> | <u>10</u>                                                                                                   | <u>66</u> | <u>6</u>                                                                                             | <u>765</u> |
| P 4 <u>15</u>                                                                                             | <u>72</u> | <u>9</u>                                                                                               | <u>753</u> | <u>15</u>                                                                                                   | <u>65</u> | <u>9</u>                                                                                             | <u>807</u> |
| P 5 <u>20</u>                                                                                             | <u>72</u> | <u>12</u>                                                                                              | <u>753</u> | <u>20</u>                                                                                                   | <u>64</u> | <u>12</u>                                                                                            | <u>816</u> |
| P 6 <u>25</u>                                                                                             | <u>72</u> | <u>15</u>                                                                                              | <u>761</u> | <u>25</u>                                                                                                   | <u>64</u> | <u>15</u>                                                                                            | <u>821</u> |
| P 7 <u>30</u>                                                                                             | <u>72</u> | <u>18</u>                                                                                              | <u>766</u> | <u>30</u>                                                                                                   | <u>63</u> | <u>18</u>                                                                                            | <u>822</u> |
| P 8                                                                                                       |           | <u>21</u>                                                                                              | <u>768</u> | <u>35</u>                                                                                                   | <u>63</u> | <u>21</u>                                                                                            | <u>823</u> |
| P 9                                                                                                       |           | <u>24</u>                                                                                              | <u>770</u> | <u>40</u>                                                                                                   | <u>63</u> | <u>24</u>                                                                                            | <u>824</u> |
| F10                                                                                                       |           | <u>27</u>                                                                                              | <u>772</u> | <u>45</u>                                                                                                   | <u>63</u> | <u>27</u>                                                                                            | <u>825</u> |
| P11                                                                                                       |           | <u>30</u>                                                                                              | <u>773</u> | <u>50</u>                                                                                                   | <u>63</u> | <u>30</u>                                                                                            | <u>826</u> |
| P12                                                                                                       |           | <u>33</u>                                                                                              | <u>775</u> | <u>55</u>                                                                                                   | <u>63</u> | <u>33</u>                                                                                            | <u>826</u> |
| P13                                                                                                       |           | <u>36</u>                                                                                              | <u>776</u> | <u>60</u>                                                                                                   | <u>63</u> | <u>36</u>                                                                                            | <u>827</u> |
| P14                                                                                                       |           | <u>39</u>                                                                                              | <u>778</u> |                                                                                                             |           | <u>39</u>                                                                                            | <u>828</u> |
| P15                                                                                                       |           | <u>42</u>                                                                                              | <u>779</u> |                                                                                                             |           | <u>42</u>                                                                                            | <u>828</u> |
| P16                                                                                                       |           | <u>45</u>                                                                                              | <u>780</u> |                                                                                                             |           | <u>45</u>                                                                                            | <u>829</u> |
| P17                                                                                                       |           | <u>48</u>                                                                                              | <u>780</u> |                                                                                                             |           | <u>48</u>                                                                                            | <u>829</u> |
| P18                                                                                                       |           | <u>51</u>                                                                                              | <u>781</u> |                                                                                                             |           | <u>51</u>                                                                                            | <u>830</u> |
| P19                                                                                                       |           | <u>54</u>                                                                                              | <u>782</u> |                                                                                                             |           | <u>54</u>                                                                                            | <u>831</u> |
| P20                                                                                                       |           | <u>57</u>                                                                                              | <u>783</u> |                                                                                                             |           | <u>57</u>                                                                                            | <u>832</u> |
|                                                                                                           |           | <u>60</u>                                                                                              | <u>783</u> |                                                                                                             |           | <u>60</u>                                                                                            | <u>833</u> |

9Kt # 7705

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Home Office: Wichita, Kansas 67201  
P.O. Box 1599 (316) 262-5861

Company Vincent Oil Corporation Lease & Well No. Schrag 'E' -1  
Elevation 1443 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticker No. 7706  
Date 10-1-80 Sec 19 Twp 22S Range 2W County Harvey State Kansas  
Test Approved by George N Mueller Western Representative Allen Edgington  
Formation Test No. 2 Interval Tested from 3175 ft. to 3195 ft. Total Depth 3195 ft.  
Packer Depth 3175 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.  
Depth of Selective Zone Set -  
Top Recorder Depth (Inside) 3187 ft. Recorder Number 3354 Cap. 4200  
Bottom Recorder Depth (Outside) 3190 ft. Recorder Number 10980 Cap. 4200  
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -  
Drilling Contractor Red Tiger Rig #3 Drill Collar Length - I. D. - in.  
Mud Type Chemical Viscosity 49 Weight Pipe Length 1200 I. D. 2 1/2 in.  
Weight 9.7 Water Loss 12.0 cc. Drill Pipe Length 1955 I. D. 3.8 in.  
Chlorides 1300 P.P.M. Test Tool Length 18 ft. Tool Size 4 1/2 in.  
Jars: Make No Serial Number - Anchor Length 20 ft. Size 4 1/2 in.  
Did Well Flow? Yes Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: Fair to strong.

Recovered 10 ft. of Drilling mud

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: Gas to surface 28 minutes initial flow period.

See attached sheet for gas measurements.

Time Set Packer(s) 8:45 ~~A.M.~~ P.M. Time Started Off Bottom 12:15 ~~A.M.~~ P.M. Maximum Temperature 117  
Initial Hydrostatic Pressure (A) 1618 P.S.I.  
Initial Flow Period Minutes 30 (B) 43 P.S.I. to (C) 38 P.S.I.  
Initial Closed In Period Minutes 60 (D) 477 P.S.I.  
Final Flow Period Minutes 60 (E) 46 P.S.I. to (F) 44 P.S.I.  
Final Closed In Period Minutes 60 (G) 532 P.S.I.  
Final Hydrostatic Pressure (H) 1601 P.S.I.

## GAS FLOW REPORT

Date 10-1-80 Ticket 7706 Company Vincent Oil Corporation  
 Well Name and No. Schrag 'E'-1 Dst No. 2 Interval Tested 30-60  
 County Harvey State Kansas Sec. 19 Twp. 22S Rg. 2W

| Time Gauge Pre-Flow | Time Gauge in Min. | P.S.I. on Meria Orifice Well Tester | P.S.I. on Pitot Tester | P.S.I. on Side Static Tester | P.S.I. on U-Tube Tester | Description of Flow |
|---------------------|--------------------|-------------------------------------|------------------------|------------------------------|-------------------------|---------------------|
| <b>PRE FLOW</b>     |                    |                                     |                        |                              |                         |                     |
|                     | 28 Min.            | 1.0 PSIG                            | 3/4" Orifice           |                              |                         | 76,000 C.F.P.D.     |
|                     |                    |                                     |                        |                              |                         |                     |
|                     |                    |                                     |                        |                              |                         |                     |
|                     |                    |                                     |                        |                              |                         |                     |
|                     |                    |                                     |                        |                              |                         |                     |
|                     |                    |                                     |                        |                              |                         |                     |

|                    |         |        |              |  |  |                 |
|--------------------|---------|--------|--------------|--|--|-----------------|
| <b>SECOND FLOW</b> |         |        |              |  |  |                 |
|                    | 10 Min. | 3 PSIG | 1/2" Orifice |  |  | 59,200 C.F.P.D. |
|                    | 20 Min. | 3 PSIG | 1/2" Orifice |  |  | 59,200 C.F.P.D. |
|                    | 30 Min. | 3 PSIG | 1/2" Orifice |  |  | 59,200 C.F.P.D. |
|                    | 40 Min. | 3 PSIG | 1/2" Orifice |  |  | 59,200 C.F.P.D. |
|                    | 50 Min. | 3 PSIG | 1/2" Orifice |  |  | 59,200 C.F.P.D. |
|                    | 60 Min. | 3 PSIG | 1/2" Orifice |  |  | 59,200 C.F.P.D. |
|                    |         |        |              |  |  |                 |
|                    |         |        |              |  |  |                 |
|                    |         |        |              |  |  |                 |
|                    |         |        |              |  |  |                 |
|                    |         |        |              |  |  |                 |

### GAS BOTTLE

Serial No. WTC 102 Date Bottle Filled 10-1-80 Date to be Invoiced 10-1-80

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1 1/2% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Vincent Oil Corporation

Authorized by George N. Mueller

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

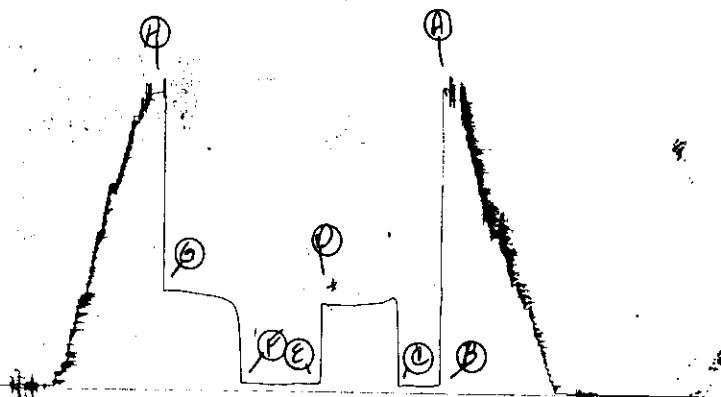
Date 10-1-80 Test Ticket No. 7706  
Recorder No. 3354 Capacity 4200 Location 3187 Ft.  
Clock No. - Elevation 1443 Kelly Bushing Well Temperature 117 °F  
Point Pressure Time Given Time Computed  
A Initial Hydrostatic Mud 1618 P.S.I. Open Tool 8:45P M  
B First Initial Flow Pressure 43 P.S.I. First Flow Pressure 30 Mins. 30 Mins.  
C First Final Flow Pressure 38 P.S.I. Initial Closed-in Pressure 60 Mins. 60 Mins.  
D Initial Closed-in Pressure 477 P.S.I. Second Flow Pressure 60 Mins. 60 Mins.  
E Second Initial Flow Pressure 46 P.S.I. Final Closed-in Pressure 60 Mins. 60 Mins.  
F Second Final Flow Pressure 44 P.S.I.  
G Final Closed-in Pressure 532 P.S.I.  
H Final Hydrostatic Mud 1601 P.S.I.

**PRESSURE BREAKDOWN**

| First Flow Pressure         |           | Initial Shut-In             |            | Second Flow Pressure        |           | Final Shut-In               |            |
|-----------------------------|-----------|-----------------------------|------------|-----------------------------|-----------|-----------------------------|------------|
| Breakdown: <u>6</u> Inc.    |           | Breakdown: <u>20</u> Inc.   |            | Breakdown: <u>12</u> Inc.   |           | Breakdown: <u>20</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>43</u> | <u>0</u>                    | <u>38</u>  | <u>0</u>                    | <u>46</u> | <u>0</u>                    | <u>44</u>  |
| P 2 <u>5</u>                | <u>38</u> | <u>3</u>                    | <u>475</u> | <u>5</u>                    | <u>46</u> | <u>3</u>                    | <u>367</u> |
| P 3 <u>10</u>               | <u>38</u> | <u>6</u>                    | <u>506</u> | <u>10</u>                   | <u>46</u> | <u>6</u>                    | <u>454</u> |
| P 4 <u>15</u>               | <u>38</u> | <u>9</u>                    | <u>497</u> | <u>15</u>                   | <u>46</u> | <u>9</u>                    | <u>477</u> |
| P 5 <u>20</u>               | <u>38</u> | <u>12</u>                   | <u>485</u> | <u>20</u>                   | <u>45</u> | <u>12</u>                   | <u>487</u> |
| P 6 <u>25</u>               | <u>38</u> | <u>15</u>                   | <u>481</u> | <u>25</u>                   | <u>42</u> | <u>15</u>                   | <u>496</u> |
| P 7 <u>30</u>               | <u>38</u> | <u>18</u>                   | <u>479</u> | <u>30</u>                   | <u>40</u> | <u>18</u>                   | <u>502</u> |
| P 8                         |           | <u>21</u>                   | <u>479</u> | <u>35</u>                   | <u>40</u> | <u>21</u>                   | <u>506</u> |
| P 9                         |           | <u>24</u>                   | <u>476</u> | <u>40</u>                   | <u>41</u> | <u>24</u>                   | <u>508</u> |
| P10                         |           | <u>27</u>                   | <u>476</u> | <u>45</u>                   | <u>42</u> | <u>27</u>                   | <u>511</u> |
| P11                         |           | <u>30</u>                   | <u>473</u> | <u>50</u>                   | <u>42</u> | <u>30</u>                   | <u>514</u> |
| P12                         |           | <u>33</u>                   | <u>468</u> | <u>55</u>                   | <u>43</u> | <u>33</u>                   | <u>518</u> |
| P13                         |           | <u>36</u>                   | <u>470</u> | <u>60</u>                   | <u>44</u> | <u>36</u>                   | <u>521</u> |
| P14                         |           | <u>39</u>                   | <u>471</u> |                             |           | <u>39</u>                   | <u>524</u> |
| P15                         |           | <u>42</u>                   | <u>472</u> |                             |           | <u>42</u>                   | <u>527</u> |
| P16                         |           | <u>45</u>                   | <u>473</u> |                             |           | <u>45</u>                   | <u>530</u> |
| P17                         |           | <u>48</u>                   | <u>474</u> |                             |           | <u>48</u>                   | <u>532</u> |
| P18                         |           | <u>51</u>                   | <u>475</u> |                             |           | <u>51</u>                   | <u>532</u> |
| P19                         |           | <u>54</u>                   | <u>476</u> |                             |           | <u>54</u>                   | <u>532</u> |
| P20                         |           | <u>57</u>                   | <u>477</u> |                             |           | <u>57</u>                   | <u>532</u> |
| WTC - 4                     |           | <u>60</u>                   | <u>477</u> |                             |           | <u>60</u>                   | <u>532</u> |

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WESTERN

Home Office: Wichita, Kansas 67201  
P.O. Box 1599 (316) 262-5861

Company Vincent Oil Corporation Lease & Well No. Schrag 'E' #1  
Elevation 1443 Kelly Bushing Formation Mississippi Effective Pay ---- Ft. Ticket No. 7707  
Date 10/2/80 Sec. 19 Twp. 22S Range 2W County Harvey State Kansas  
Test Approved by George N. Mueller Western Representative Allen Edgington  
Formation Test No. 3 Interval Tested from 3195 ft. to 3221 ft. Total Depth 3221 ft.  
Packer Depth 3195 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.  
Depth of Selective Zone Set -  
Top Recorder Depth (Inside) 3213 ft. Recorder Number 10980 Cap. 4200  
Bottom Recorder Depth (Outside) 3216 ft. Recorder Number 3354 Cap. 4200  
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -  
Drilling Contractor Red Tiger Drlg. Rig #3 Drill Collar Length - I. D. - in.  
Mud Type chemical Viscosity 42 Weight Pipe Length 1200 I. D. 2 1/2 in.  
Weight 9.5 Water Loss 9.6 cc. Drill Pipe Length 1986 I. D. 3.8 in.  
Chlorides 1,700 P.P.M. Test Tool Length 18 ft. Tool Size 4 3/4 OD in.  
Jars: Make No Serial Number - Anchor Length 26 ft. Size 4 3/4 OD in.  
Did Well Flow? Yes Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
Main Hole Size 7 7/8 in. Tool Joint Size 4 3/4 XH in.

Blow: Strong throughout test. Gas to surface in eighteen minutes. See attached sheet for gas measurements.

Recovered 70 ft. of drilling mud

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: -

Time Set Packer(s) 2:00 ~~A.M.~~ P.M. Time Started Off Bottom 6:30 ~~A.M.~~ P.M. Maximum Temperature 107°  
Initial Hydrostatic Pressure (A) 1603 P.S.I.  
Initial Flow Period 30 Minutes (B) 58 P.S.I. to (C) 72 P.S.I.  
Initial Closed In Period 60 Minutes (D) 662 P.S.I.  
Final Flow Period 90 Minutes (E) 75 P.S.I. to (F) 85 P.S.I.  
Final Closed In Period 87 Minutes (G) 788 P.S.I.  
Final Hydrostatic Pressure (H) 1593 P.S.I.



Home Office: Wichita, Kansas 67201  
P.O. Box 1599 (316) 262-5861  
**GAS FLOW REPORT**

Date 10/2/80 Ticket 7707 Company Vincent Oil Corporation  
Well Name and No. Schrag 'E' #1 Dst No. 3 Interval Tested 3195'-3221'  
County Harvey State Kansas Sec. 19 Twp. 22S Rg. 2W

| Time Gauge Pre-Flow | Time Gauge in Min. | P.S.I. on Merla Orifice Well Tester | P.S.I. on Pitot Tester | P.S.I. on Side Static Tester | P.S.I. on U-Tube Tester | Description of Flow |
|---------------------|--------------------|-------------------------------------|------------------------|------------------------------|-------------------------|---------------------|
| <b>PRE FLOW</b>     |                    |                                     |                        |                              |                         |                     |
|                     | 25 min.            | 3.5 PSIG                            | 3/4" orifice           |                              |                         | 144,000 CFPD        |
|                     | 20 min.            | 4.0 PSIG                            | 3/4" orifice           |                              |                         | 156,000 CFPD        |
|                     |                    |                                     |                        |                              |                         |                     |
|                     |                    |                                     |                        |                              |                         |                     |
|                     |                    |                                     |                        |                              |                         |                     |
| <b>SECOND FLOW</b>  |                    |                                     |                        |                              |                         |                     |
|                     | 30 min.            | 5.0 PSIG                            | 3/4" orifice           |                              |                         | 175,000 CFPD        |
|                     | 35 min.            | 5.5 PSIG                            | 3/4" orifice           |                              |                         | 185,000 CFPD        |
|                     | 40 min.            | 6.0 PSIG                            | 3/4" orifice           |                              |                         | 194,000 CFPD        |
|                     | 45 min.            | 6.5 PSIG                            | 3/4" orifice           |                              |                         | 202,000 CFPD        |
|                     | 50 min.            | 7.0 PSIG                            | 3/4" orifice           |                              |                         | 211,000 CFPD        |
|                     | 55 min.            | 7.25 PSIG                           | 3/4" orifice           |                              |                         | 215,000 CFPD        |
|                     | 60 min.            | 7.25 PSIG                           | 3/4" orifice           |                              |                         | 215,000 CFPD        |
|                     | 65 min.            | 7.5 PSIG                            | 3/4" orifice           |                              |                         | 219,000 CFPD        |
|                     | 70 min.            | 7.5 PSIG                            | 3/4" orifice           |                              |                         | 219,000 CFPD        |
|                     | 80 min.            | 8.0 PSIG                            | 3/4" orifice           |                              |                         | 227,000 CFPD        |
|                     | 90 min.            | 8.0 PSIG                            | 3/4" orifice           |                              |                         | 227,000 CFPD        |
|                     | 100min.            | 8.5 PSIG                            | 3/4" orifice           |                              |                         | 236,000 CFPD        |
|                     | 110min.            | 8.5PSIG                             | 3/4" orifice           |                              |                         | 236,000 CFPD        |
|                     | 120min.            | 8.5 PSIG                            | 3/4" orifice           |                              |                         | 236,000 CFPD        |

**GAS BOTTLE**

Serial No. WTC 102 Date Bottle Filled 10/2/80 Date to be Invoiced 10/2/80

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1 1/2% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Vincent Oil Corporation

Authorized by George N. Mueller

# WESTERN TESTING CO., INC.

## Pressure Data

Date 10/2/80 Test Ticket No. 7707  
 Recorder No. 10980 Capacity 4200 Location 3213 Ft.  
 Clock No. ---- Elevation 1443 Kelly Bushing Well Temperature 107 °F  
 Point Pressure Time Given Time Computed  
 A Initial Hydrostatic Mud 1603 P.S.I. Open Tool 2:00P M  
 B First Initial Flow Pressure 58 P.S.I. First Flow Pressure 30 Mins. 30 Mins.  
 C First Final Flow Pressure 72 P.S.I. Initial Closed-in Pressure 60 Mins. 60 Mins.  
 D Initial Closed-in Pressure 662 P.S.I. Second Flow Pressure 90 Mins. 90 Mins.  
 E Second Initial Flow Pressure 75 P.S.I. Final Closed-in Pressure 90 Mins. 87 Mins.  
 F Second Final Flow Pressure 85 P.S.I.  
 G Final Closed-in Pressure 788 P.S.I.  
 H Final Hydrostatic Mud 1593 P.S.I.

## PRESSURE BREAKDOWN

| First Flow Pressure<br>Breakdown: <u>6</u> Inc.<br>of <u>5</u> mins. and a<br>final inc. of <u>0</u> Min. |           | Initial Shut-In<br>Breakdown: <u>20</u> Inc.<br>of <u>3</u> mins. and a<br>final inc. of <u>0</u> Min. |            | Second Flow Pressure<br>Breakdown: <u>18</u> Inc.<br>of <u>5</u> mins. and a<br>final inc. of <u>0</u> Min. |           | Final Shut-In<br>Breakdown: <u>29</u> Inc.<br>of <u>3</u> mins. and a<br>final inc. of <u>0</u> Min. |            |
|-----------------------------------------------------------------------------------------------------------|-----------|--------------------------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------------------------|------------|
| Point<br>Mins.                                                                                            | Press.    | Point<br>Minutes                                                                                       | Press.     | Point<br>Minutes                                                                                            | Press.    | Point<br>Minutes                                                                                     | Press.     |
| P 1 <u>0</u>                                                                                              | <u>58</u> | <u>0</u>                                                                                               | <u>72</u>  | <u>0</u>                                                                                                    | <u>75</u> | <u>0</u>                                                                                             | <u>85</u>  |
| P 2 <u>5</u>                                                                                              | <u>50</u> | <u>3</u>                                                                                               | <u>545</u> | <u>5</u>                                                                                                    | <u>68</u> | <u>3</u>                                                                                             | <u>677</u> |
| P 3 <u>10</u>                                                                                             | <u>56</u> | <u>6</u>                                                                                               | <u>640</u> | <u>10</u>                                                                                                   | <u>68</u> | <u>6</u>                                                                                             | <u>738</u> |
| P 4 <u>15</u>                                                                                             | <u>73</u> | <u>9</u>                                                                                               | <u>657</u> | <u>15</u>                                                                                                   | <u>72</u> | <u>9</u>                                                                                             | <u>762</u> |
| P 5 <u>20</u>                                                                                             | <u>83</u> | <u>12</u>                                                                                              | <u>664</u> | <u>20</u>                                                                                                   | <u>74</u> | <u>12</u>                                                                                            | <u>770</u> |
| P 6 <u>25</u>                                                                                             | <u>71</u> | <u>15</u>                                                                                              | <u>664</u> | <u>25</u>                                                                                                   | <u>75</u> | <u>15</u>                                                                                            | <u>772</u> |
| P 7 <u>30</u>                                                                                             | <u>72</u> | <u>18</u>                                                                                              | <u>665</u> | <u>30</u>                                                                                                   | <u>76</u> | <u>18</u>                                                                                            | <u>774</u> |
| P 8                                                                                                       |           | <u>21</u>                                                                                              | <u>665</u> | <u>35</u>                                                                                                   | <u>77</u> | <u>21</u>                                                                                            | <u>776</u> |
| P 9                                                                                                       |           | <u>24</u>                                                                                              | <u>666</u> | <u>40</u>                                                                                                   | <u>79</u> | <u>24</u>                                                                                            | <u>777</u> |
| P10                                                                                                       |           | <u>27</u>                                                                                              | <u>666</u> | <u>45</u>                                                                                                   | <u>80</u> | <u>27</u>                                                                                            | <u>778</u> |
| P11                                                                                                       |           | <u>30</u>                                                                                              | <u>666</u> | <u>50</u>                                                                                                   | <u>81</u> | <u>30</u>                                                                                            | <u>779</u> |
| P12                                                                                                       |           | <u>33</u>                                                                                              | <u>665</u> | <u>55</u>                                                                                                   | <u>82</u> | <u>33</u>                                                                                            | <u>779</u> |
| P13                                                                                                       |           | <u>36</u>                                                                                              | <u>665</u> | <u>60</u>                                                                                                   | <u>83</u> | <u>36</u>                                                                                            | <u>780</u> |
| P14                                                                                                       |           | <u>39</u>                                                                                              | <u>664</u> | <u>65</u>                                                                                                   | <u>84</u> | <u>39</u>                                                                                            | <u>780</u> |
| P15                                                                                                       |           | <u>42</u>                                                                                              | <u>663</u> | <u>70</u>                                                                                                   | <u>85</u> | <u>42</u>                                                                                            | <u>781</u> |
| P16                                                                                                       |           | <u>45</u>                                                                                              | <u>662</u> | <u>75</u>                                                                                                   | <u>85</u> | <u>45</u>                                                                                            | <u>782</u> |
| P17                                                                                                       |           | <u>48</u>                                                                                              | <u>662</u> | <u>80</u>                                                                                                   | <u>85</u> | <u>48</u>                                                                                            | <u>782</u> |
| P18                                                                                                       |           | <u>51</u>                                                                                              | <u>662</u> | <u>85</u>                                                                                                   | <u>85</u> | <u>51</u>                                                                                            | <u>783</u> |
| P19                                                                                                       |           | <u>54</u>                                                                                              | <u>662</u> | <u>90</u>                                                                                                   | <u>85</u> | <u>54</u>                                                                                            | <u>783</u> |
| P20                                                                                                       |           | <u>57</u>                                                                                              | <u>662</u> |                                                                                                             |           | <u>57</u>                                                                                            | <u>784</u> |
| WTC - 4                                                                                                   |           | <u>60</u>                                                                                              | <u>662</u> |                                                                                                             |           | <u>60</u>                                                                                            | <u>784</u> |

continued next page

# WESTERN TESTING CO., INC.

## Pressure Data

Date 10/2/80 Test Ticket No. 7707  
 Recorder No. 10980 Capacity 4200 Location 3213 Ft.  
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|-----------------------------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------------------------|------------|
| Point<br>Mins.                                                                                            | Press. | Point<br>Minutes                                                                                       | Press. | Point<br>Minutes                                                                                            | Press. | Point<br>Minutes                                                                                     | Press.     |
| P 1                                                                                                       |        |                                                                                                        |        |                                                                                                             |        | <u>63</u>                                                                                            | <u>785</u> |
| P 2                                                                                                       |        |                                                                                                        |        |                                                                                                             |        | <u>66</u>                                                                                            | <u>785</u> |
| P 3                                                                                                       |        |                                                                                                        |        |                                                                                                             |        | <u>69</u>                                                                                            | <u>786</u> |
| P 4                                                                                                       |        |                                                                                                        |        |                                                                                                             |        | <u>72</u>                                                                                            | <u>787</u> |
| P 5                                                                                                       |        |                                                                                                        |        |                                                                                                             |        | <u>75</u>                                                                                            | <u>788</u> |
| P 6                                                                                                       |        |                                                                                                        |        |                                                                                                             |        | <u>78</u>                                                                                            | <u>788</u> |
| P 7                                                                                                       |        |                                                                                                        |        |                                                                                                             |        | <u>81</u>                                                                                            | <u>788</u> |
| P 8                                                                                                       |        |                                                                                                        |        |                                                                                                             |        | <u>84</u>                                                                                            | <u>788</u> |
| P 9                                                                                                       |        |                                                                                                        |        |                                                                                                             |        | <u>87</u>                                                                                            | <u>788</u> |
| P10                                                                                                       |        |                                                                                                        |        |                                                                                                             |        |                                                                                                      |            |
| P11                                                                                                       |        |                                                                                                        |        |                                                                                                             |        |                                                                                                      |            |
| P12                                                                                                       |        |                                                                                                        |        |                                                                                                             |        |                                                                                                      |            |
| P13                                                                                                       |        |                                                                                                        |        |                                                                                                             |        |                                                                                                      |            |
| P14                                                                                                       |        |                                                                                                        |        |                                                                                                             |        |                                                                                                      |            |
| P15                                                                                                       |        |                                                                                                        |        |                                                                                                             |        |                                                                                                      |            |
| P16                                                                                                       |        |                                                                                                        |        |                                                                                                             |        |                                                                                                      |            |
| P17                                                                                                       |        |                                                                                                        |        |                                                                                                             |        |                                                                                                      |            |
| P18                                                                                                       |        |                                                                                                        |        |                                                                                                             |        |                                                                                                      |            |
| P19                                                                                                       |        |                                                                                                        |        |                                                                                                             |        |                                                                                                      |            |
| P20                                                                                                       |        |                                                                                                        |        |                                                                                                             |        |                                                                                                      |            |

JK # 7707

I.

