

15-079-20481



16-23s-3w

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

Company Vincent Oil Corporation Lease & Well No. Comanche West #1  
Elevation 1456 Kelly Bush. Formation Mississippi Effective Pay - Ft. Ticket No. 7365  
Date 9-22-80 Sec. 16 Twp. 23S Range 3W County Harvey State Kansas  
Test Approved by George N. Mueller Western Representative Clifford E. Scheuerman  
Formation Test No. 1 Interval Tested from 3282 ft. to 3304 ft. Total Depth 3304 ft.  
Packer Depth 3277 ft. Size 6 3/4 in. Packer Depth 3282 ft. Size 6 3/4 in.  
Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.  
Depth of Selective Zone Set -  
Top Recorder Depth (Inside) 3395 ft. Recorder Number 1563 Cap. 4200  
Bottom Recorder Depth (Outside) 3398 ft. Recorder Number 1562 Cap. 3900  
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -  
Drilling Contractor Red Tiger Drlg (#3) Drill Collar Length - I. D. - in.  
Mud Type - Viscosity 45 Weight Pipe Length 1297 I. D. 2.7 in.  
Weight 9.9 Water Loss 9.6 cc. Drill Pipe Length 2007 I. D. 3.8 in.  
Chlorides 1600 P.P.M. Test Tool Length 27 ft. Tool Size 4 1/2 in.  
Jars: Make - Serial Number - Anchor Length 22 ft. Size 5 1/2 in.  
Did Well Flow? Gas 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 in.  
Blow: Gas to surface 2 minutes after tool opened. See attached sheet for gas measurements.

Recovered 3250 ft. of gas  
Recovered 5 ft. of very slightly oil spotted and gas cut mud.  
Recovered        ft. of         
Recovered        ft. of         
Recovered        ft. of       

Remarks:

Time Set Packer(s) 7:50 ~~AM~~ P.M. Time Started Off Bottom 11:50 ~~AM~~ P.M. Maximum Temperature 114  
Initial Hydrostatic Pressure        (A) 1692 P.S.I.  
Initial Flow Period        Minutes 35 (B) 297 P.S.I. to (C) 269 P.S.I.  
Initial Closed In Period        Minutes 69 (D) 487 P.S.I.  
Final Flow Period        Minutes 60 (E) 269 P.S.I. to (F) 155 P.S.I.  
Final Closed In Period        Minutes 105 (G) 263 P.S.I.  
Final Hydrostatic Pressure        (H) 1678 P.S.I.

## GAS FLOW REPORT

Date 9-22-80 Ticket 7365 Company Vincent Oil Corp.  
 Well Name and No. Commanche West #1 Dst No. 1 Interval Tested 3282' - 3304'  
 County Harvey State Kansas Sec. 16 Twp. 23S Rg. 3W

| 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>          |                    |                                     |                        |                              |                         |                     |
| Gas to surface at 7:52PM |                    |                                     |                        |                              |                         |                     |
| 8:00PM                   | 10 min.            | 13PSIG                              | 1 1/2" orifice         |                              |                         | 1,490,000 C.F.P.D.  |
| 8:10PM                   | 20 min.            | 11 PSIG                             | 1 1/2" orifice         |                              |                         | 1,348,000 C.F.P.D.  |
| 8:20PM                   | 30 min.            | 10 PSIG                             | 1 1/2" orifice         |                              |                         | 1,274,000 C.F.P.D.  |
|                          |                    |                                     |                        |                              |                         |                     |
|                          |                    |                                     |                        |                              |                         |                     |

### SECOND FLOW

|         |         |          |                |  |  |                    |
|---------|---------|----------|----------------|--|--|--------------------|
| 9:30PM  | 10 min. | 11 PSIG  | 1 1/2" orifice |  |  | 1,348,000 C.F.P.D. |
| 9:40PM  | 20 min. | 11 PSIG  | 1 1/2" orifice |  |  | 1,348,000 C.F.P.D. |
| 9:45PM  | 25 min. | 9 PSIG   | 1 1/2" orifice |  |  | 1,198,000 C.F.P.D. |
| 9:50PM  | 30 min. | 8 PSIG   | 1 1/2" orifice |  |  | 1,123,000 C.F.P.D. |
| 9:55PM  | 35 min. | 6.5 PSIG | 1 1/2" orifice |  |  | 995,000 C.F.P.D.   |
| 10:00PM | 40 min. | 6 PSIG   | 1 1/2" orifice |  |  | 953,000 C.F.P.D.   |
| 10:05PM | 45 min. | 9.5 PSIG | 1 1/4" orifice |  |  | 777,000 C.F.P.D.   |
| 10:10PM | 50 min. | 8.5 PSIG | 1 1/4" orifice |  |  | 729,000 C.F.P.D.   |
| 10:15PM | 55 min. | 8 PSIG   | 1 1/4" orifice |  |  | 700,000 C.F.P.D.   |
| 10:20PM | 60 min. | 7 PSIG   | 1 1/4" orifice |  |  | 653,000 C.F.P.D.   |
|         |         |          |                |  |  |                    |
|         |         |          |                |  |  |                    |

### GAS BOTTLE

Serial No. 51 Date Bottle Filled 9-22-80 Date to be Invoiced 9-22-80

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 Corp.  
 Authorized by George N. Mueller

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

Date 9-22-80 Test Ticket No. 7365  
Recorder No. 1563 Capacity 4200 Location 3395 Ft.  
Clock No. ----- Elevation 1456 Kelly Bushing Well Temperature 114 °F

| Point                          | Pressure           |                            | Time Given        | Time Computed    |
|--------------------------------|--------------------|----------------------------|-------------------|------------------|
| A Initial Hydrostatic Mud      | <u>1692</u> P.S.I. | Open Tool                  | <u>7:50</u> P. M. |                  |
| B First Initial Flow Pressure  | <u>297</u> P.S.I.  | First Flow Pressure        | <u>30</u> Mins.   | <u>35</u> Mins.  |
| C First Final Flow Pressure    | <u>269</u> P.S.I.  | Initial Closed-in Pressure | <u>60</u> Mins.   | <u>69</u> Mins.  |
| D Initial Closed-in Pressure   | <u>487</u> P.S.I.  | Second Flow Pressure       | <u>60</u> Mins.   | <u>60</u> Mins.  |
| E Second Initial Flow Pressure | <u>269</u> P.S.I.  | Final Closed-in Pressure   | <u>90</u> Mins.   | <u>105</u> Mins. |
| F Second Final Flow Pressure   | <u>155</u> P.S.I.  |                            |                   |                  |
| G Final Closed-in Pressure     | <u>263</u> P.S.I.  |                            |                   |                  |
| H Final Hydrostatic Mud        | <u>1678</u> P.S.I. |                            |                   |                  |

**PRESSURE BREAKDOWN**

| First Flow Pressure<br>Breakdown: <u>7</u> Inc.<br>of <u>5</u> mins. and a<br>final inc. of <u>0</u> Min. |            | Initial Shut-In<br>Breakdown: <u>23</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>35</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>297</u> | <u>0</u>                                                                                               | <u>269</u> | <u>0</u>                                                                                                    | <u>269</u> | <u>0</u>                                                                                             | <u>155</u> |
| P 2 <u>5</u>                                                                                              | <u>309</u> | <u>3</u>                                                                                               | <u>415</u> | <u>5</u>                                                                                                    | <u>259</u> | <u>3</u>                                                                                             | <u>179</u> |
| P 3 <u>10</u>                                                                                             | <u>323</u> | <u>6</u>                                                                                               | <u>435</u> | <u>10</u>                                                                                                   | <u>259</u> | <u>6</u>                                                                                             | <u>198</u> |
| P 4 <u>15</u>                                                                                             | <u>323</u> | <u>9</u>                                                                                               | <u>453</u> | <u>15</u>                                                                                                   | <u>250</u> | <u>9</u>                                                                                             | <u>220</u> |
| P 5 <u>20</u>                                                                                             | <u>320</u> | <u>12</u>                                                                                              | <u>465</u> | <u>20</u>                                                                                                   | <u>237</u> | <u>12</u>                                                                                            | <u>230</u> |
| P 6 <u>25</u>                                                                                             | <u>293</u> | <u>15</u>                                                                                              | <u>471</u> | <u>25</u>                                                                                                   | <u>225</u> | <u>15</u>                                                                                            | <u>233</u> |
| P 7 <u>30</u>                                                                                             | <u>280</u> | <u>18</u>                                                                                              | <u>474</u> | <u>30</u>                                                                                                   | <u>224</u> | <u>18</u>                                                                                            | <u>235</u> |
| P 8 <u>35</u>                                                                                             | <u>269</u> | <u>21</u>                                                                                              | <u>474</u> | <u>35</u>                                                                                                   | <u>202</u> | <u>21</u>                                                                                            | <u>238</u> |
| P 9                                                                                                       |            | <u>24</u>                                                                                              | <u>474</u> | <u>40</u>                                                                                                   | <u>191</u> | <u>24</u>                                                                                            | <u>238</u> |
| P10                                                                                                       |            | <u>27</u>                                                                                              | <u>474</u> | <u>45</u>                                                                                                   | <u>181</u> | <u>27</u>                                                                                            | <u>238</u> |
| P11                                                                                                       |            | <u>30</u>                                                                                              | <u>474</u> | <u>50</u>                                                                                                   | <u>172</u> | <u>30</u>                                                                                            | <u>238</u> |
| P12                                                                                                       |            | <u>33</u>                                                                                              | <u>474</u> | <u>55</u>                                                                                                   | <u>164</u> | <u>33</u>                                                                                            | <u>239</u> |
| P13                                                                                                       |            | <u>36</u>                                                                                              | <u>478</u> | <u>60</u>                                                                                                   | <u>155</u> | <u>36</u>                                                                                            | <u>240</u> |
| P14                                                                                                       |            | <u>39</u>                                                                                              | <u>478</u> |                                                                                                             |            | <u>39</u>                                                                                            | <u>241</u> |
| P15                                                                                                       |            | <u>42</u>                                                                                              | <u>478</u> |                                                                                                             |            | <u>42</u>                                                                                            | <u>242</u> |
| P16                                                                                                       |            | <u>45</u>                                                                                              | <u>478</u> |                                                                                                             |            | <u>45</u>                                                                                            | <u>244</u> |
| P17                                                                                                       |            | <u>48</u>                                                                                              | <u>479</u> |                                                                                                             |            | <u>48</u>                                                                                            | <u>246</u> |
| P18                                                                                                       |            | <u>51</u>                                                                                              | <u>480</u> |                                                                                                             |            | <u>51</u>                                                                                            | <u>248</u> |
| P19                                                                                                       |            | <u>54</u>                                                                                              | <u>481</u> |                                                                                                             |            | <u>54</u>                                                                                            | <u>249</u> |
| P20                                                                                                       |            | <u>57</u>                                                                                              | <u>482</u> |                                                                                                             |            | <u>57</u>                                                                                            | <u>250</u> |
|                                                                                                           |            | <u>60</u>                                                                                              | <u>484</u> |                                                                                                             |            | <u>60</u>                                                                                            | <u>251</u> |
|                                                                                                           |            | <u>63</u>                                                                                              | <u>486</u> |                                                                                                             |            |                                                                                                      |            |
|                                                                                                           |            | <u>66</u>                                                                                              | <u>487</u> |                                                                                                             |            |                                                                                                      |            |
|                                                                                                           |            | <u>69</u>                                                                                              | <u>487</u> |                                                                                                             |            |                                                                                                      |            |

WTC - 4

Continued on next page

# WESTERN TESTING CO., INC.

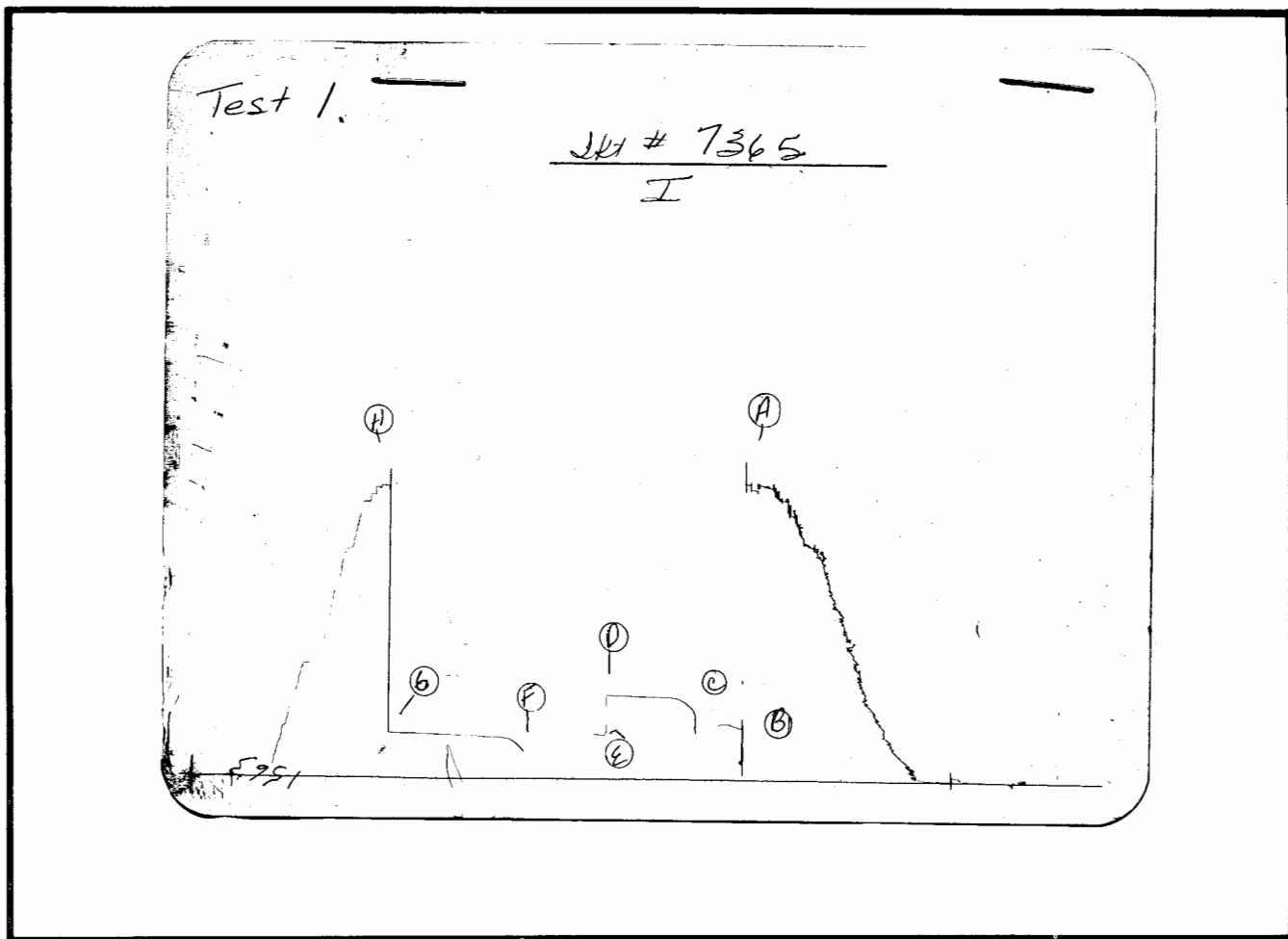
## Pressure Data

Date 9-22-80 Test Ticket No. 7365  
 Recorder No. 1563 Capacity 4200 Location 3395 Ft.  
 Clock No. ----- Elevation 1456 Kelly Bushing Well Temperature 114 °F

| Point                          | Pressure           | Time Given      | Time Computed    |
|--------------------------------|--------------------|-----------------|------------------|
| A Initial Hydrostatic Mud      | <u>1692</u> P.S.I. | 7:50 P. M.      |                  |
| B First Initial Flow Pressure  | <u>297</u> P.S.I.  | <u>30</u> Mins. | <u>35</u> Mins.  |
| C First Final Flow Pressure    | <u>269</u> P.S.I.  | <u>60</u> Mins. | <u>69</u> Mins.  |
| D Initial Closed-in Pressure   | <u>487</u> P.S.I.  | <u>60</u> Mins. | <u>60</u> Mins.  |
| E Second Initial Flow Pressure | <u>269</u> P.S.I.  | <u>90</u> Mins. | <u>105</u> Mins. |
| F Second Final Flow Pressure   | <u>155</u> P.S.I.  |                 |                  |
| G Final Closed-in Pressure     | <u>263</u> P.S.I.  |                 |                  |
| H Final Hydrostatic Mud        | <u>1678</u> P.S.I. |                 |                  |

### PRESSURE BREAKDOWN

| First Flow Pressure |             | Initial Shut-In |             | Second Flow Pressure |             | Final Shut-In |             |
|---------------------|-------------|-----------------|-------------|----------------------|-------------|---------------|-------------|
| Breakdown:          | Inc.        | Breakdown:      | Inc.        | Breakdown:           | Inc.        | Breakdown:    | Inc.        |
| of                  | mins. and a | of              | mins. and a | of                   | mins. and a | of            | mins. and a |
| final inc. of       | Min.        | final inc. of   | Min.        | final inc. of        | Min.        | final inc. of | Min.        |
| Point               | Press.      | Point           | Press.      | Point                | Press.      | Point         | Press.      |
| Mins.               |             | Minutes         |             | Minutes              |             | Minutes       |             |
| P 1                 |             |                 |             |                      |             | 63            | 252         |
| P 2                 |             |                 |             |                      |             | 66            | 253         |
| P 3                 |             |                 |             |                      |             | 69            | 253         |
| P 4                 |             |                 |             |                      |             | 72            | 254         |
| P 5                 |             |                 |             |                      |             | 75            | 254         |
| P 6                 |             |                 |             |                      |             | 78            | 255         |
| P 7                 |             |                 |             |                      |             | 81            | 255         |
| P 8                 |             |                 |             |                      |             | 84            | 256         |
| P 9                 |             |                 |             |                      |             | 87            | 257         |
| P10                 |             |                 |             |                      |             | 90            | 258         |
| P11                 |             |                 |             |                      |             | 93            | 259         |
| P12                 |             |                 |             |                      |             | 96            | 260         |
| P13                 |             |                 |             |                      |             | 99            | 261         |
| P14                 |             |                 |             |                      |             | 102           | 262         |
| P15                 |             |                 |             |                      |             | 105           | 263         |
| P16                 |             |                 |             |                      |             |               |             |
| P17                 |             |                 |             |                      |             |               |             |
| P18                 |             |                 |             |                      |             |               |             |
| P19                 |             |                 |             |                      |             |               |             |
| P20                 |             |                 |             |                      |             |               |             |



This is an actual photograph of recorder chart.

| POINT                                  | PRESSURE      |                |     |
|----------------------------------------|---------------|----------------|-----|
|                                        | Field Reading | Office Reading |     |
| (A) Initial Hydrostatic Mud .....      | 1677          | 1692           | PSI |
| (B) First Initial Flow Pressure .....  | 410           | 297            | PSI |
| (C) First Final Flow Pressure .....    | 320           | 269            | PSI |
| (D) Initial Closed-in Pressure .....   | 470           | 487            | PSI |
| (E) Second Initial Flow Pressure ..... | 210           | 269            | PSI |
| (F) Second Final Flow Pressure .....   | 150           | 155            | PSI |
| (G) Final Closed-in Pressure .....     | 230           | 263            | PSI |
| (H) Final Hydrostatic Mud .....        | 1677          | 1678           | PSI |



Home Office: Wichita, Kansas 67201

P.O. Box 1599

(316) 262-5861

Company Vincent Oil Corporation Lease & Well No. Comanche West #1  
Elevation 1456 Kelly Bush Formation Mississippi Effective Pay - Ft. Ticket No. 7366  
Date 9-23-80 Sec. 16 Twp. 23S Range 3W County Harvey State Kansas  
Test Approved by George N. Mueller Western Representative Clifford E. Scheuerman  
Formation Test No. 2 Interval Tested from 3304 ft. to 3336 ft. Total Depth 3336 ft.  
Packer Depth 3299 ft. Size 6 3/4 in. Packer Depth 3304 ft. Size 6 3/4 in.  
Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.  
Depth of Selective Zone Set -  
Top Recorder Depth (Inside) 3327 ft. Recorder Number 1563 Cap. 4200  
Bottom Recorder Depth (Outside) 3330 ft. Recorder Number 1562 Cap. 3900  
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -  
Drilling Contractor Red Tiger Drlg. (#3) Drill Collar Length - I. D. - in.  
Mud Type - Viscosity 46 Weight Pipe Length 1297 I. D. 2.7 in.  
Weight 9.7 Water Loss 10.4 cc. Drill Pipe Length 1980 I. D. 3.8 in.  
Chlorides 1500 P.P.M. Test Tool Length 27 ft. Tool Size 4 1/2 in.  
Jars: Make - Serial Number - Anchor Length 32 ft. Size 5 1/2 in.  
Did Well Flow? Gas 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 in.

Blow: Strong blow throughout test. Gas to surface after 30 minuts on final flow period. See attached sheet for gas measurements.

Recovered 30 ft. of heavy oil and gas cut mud (60% mud, 40% oil)

Recovered 60 ft. of heavy oil and gas frothy mud (80% mud, 20%oil)

Recovered        ft. of       

Recovered        ft. of       

Recovered        ft. of       

Remarks:       

Time Set Packer(s) 1:50 A.M. P.M. Time Started Off Bottom 5:50 A.M. P.M. Maximum Temperature 115  
Initial Hydrostatic Pressure        (A) 1731 P.S.I.  
Initial Flow Period        Minutes 30 (B) 79 P.S.I. to (C) 60 P.S.I.  
Initial Closed In Period        Minutes 60 (D) 679 P.S.I.  
Final Flow Period        Minutes 55 (E) 82 P.S.I. to (F) 76 P.S.I.  
Final Closed In Period        Minutes 87 (G) 597 P.S.I.  
Final Hydrostatic Pressure        (H) 1687 P.S.I.

## GAS FLOW REPORT

Date 9-23-80 Ticket 7366 Company Vincent Oil Corp.  
 Well Name and No. Commanche West #1 Dst No. 2 Interval Tested 3304' to 3336'  
 County Harvey State Kansas Sec. 16 Twp. 23S Rg. 3W

| 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>     |                    |                                     |                        |                              |                         |                     |
|                     |                    | No gas to surface                   |                        |                              |                         |                     |
|                     |                    |                                     |                        |                              |                         |                     |
|                     |                    |                                     |                        |                              |                         |                     |
|                     |                    |                                     |                        |                              |                         |                     |
|                     |                    |                                     |                        |                              |                         |                     |
|                     |                    |                                     |                        |                              |                         |                     |

| Gas to surface at 3:50 PM |         |          | <b>SECOND FLOW</b> |  | Gas to surface in 30 minutes. |
|---------------------------|---------|----------|--------------------|--|-------------------------------|
| 3:50 PM                   | min.    | 1 PSIG   | 1/8" orifice       |  | 2,760 C.F.P.D.                |
| 4:00 PM                   | 10 min. | 1.5 PSIG | 1/8" orifice       |  | 3,390 C.F.P.D.                |
| 4:10 PM                   | 20 min. | 2.0 PSIG | 1/8" orifice       |  | 3,920 C.F.P.D.                |
| 4:15 PM                   | 25 min. | 2.0 PSIG | 1/8" orifice       |  | 3,920 C.F.P.D.                |
| 4:20 PM                   | 30 min. | 2.0 PSIG | 1/8" orifice       |  | 3,920 C.F.P.D.                |
|                           |         |          |                    |  |                               |
|                           |         |          |                    |  |                               |
|                           |         |          |                    |  |                               |
|                           |         |          |                    |  |                               |
|                           |         |          |                    |  |                               |
|                           |         |          |                    |  |                               |
|                           |         |          |                    |  |                               |

### GAS BOTTLE

Serial No. 47 Date Bottle Filled 9-23-80 Date to be Invoiced 9-23-80

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 1½% 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 Corp.  
 Authorized by George N. Mueller

# WESTERN TESTING CO., INC.

## Pressure Data

Date 9-23-80 Test Ticket No. 7366  
 Recorder No. 1562 Capacity 3900 Location 3330 Ft.  
 Clock No. ----- Elevation 1456 Kelly Bushing Well Temperature 115 °F

| Point                          | Pressure           | Time Given      | Time Computed   |
|--------------------------------|--------------------|-----------------|-----------------|
| A Initial Hydrostatic Mud      | <u>1731</u> P.S.I. | <u>1:50</u> M   |                 |
| B First Initial Flow Pressure  | <u>79</u> P.S.I.   | <u>30</u> Mins. | <u>30</u> Mins. |
| C First Final Flow Pressure    | <u>60</u> P.S.I.   | <u>60</u> Mins. | <u>60</u> Mins. |
| D Initial Closed-in Pressure   | <u>679</u> P.S.I.  | <u>60</u> Mins. | <u>55</u> Mins. |
| E Second Initial Flow Pressure | <u>82</u> P.S.I.   | <u>90</u> Mins. | <u>87</u> Mins. |
| F Second Final Flow Pressure   | <u>76</u> P.S.I.   |                 |                 |
| G Final Closed-in Pressure     | <u>597</u> P.S.I.  |                 |                 |
| H Final Hydrostatic Mud        | <u>1687</u> 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>11</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>79</u> | <u>0</u>                                                                                               | <u>60</u>  | <u>0</u>                                                                                                    | <u>82</u> | <u>0</u>                                                                                             | <u>76</u>  |
| P 2 <u>5</u>                                                                                              | <u>55</u> | <u>3</u>                                                                                               | <u>120</u> | <u>5</u>                                                                                                    | <u>70</u> | <u>3</u>                                                                                             | <u>155</u> |
| P 3 <u>10</u>                                                                                             | <u>51</u> | <u>6</u>                                                                                               | <u>222</u> | <u>10</u>                                                                                                   | <u>70</u> | <u>6</u>                                                                                             | <u>254</u> |
| P 4 <u>15</u>                                                                                             | <u>51</u> | <u>9</u>                                                                                               | <u>316</u> | <u>15</u>                                                                                                   | <u>70</u> | <u>9</u>                                                                                             | <u>325</u> |
| P 5 <u>20</u>                                                                                             | <u>54</u> | <u>12</u>                                                                                              | <u>395</u> | <u>20</u>                                                                                                   | <u>70</u> | <u>12</u>                                                                                            | <u>378</u> |
| P 6 <u>25</u>                                                                                             | <u>54</u> | <u>15</u>                                                                                              | <u>455</u> | <u>25</u>                                                                                                   | <u>70</u> | <u>15</u>                                                                                            | <u>413</u> |
| P 7 <u>30</u>                                                                                             | <u>60</u> | <u>18</u>                                                                                              | <u>502</u> | <u>30</u>                                                                                                   | <u>70</u> | <u>18</u>                                                                                            | <u>440</u> |
| P 8                                                                                                       |           | <u>21</u>                                                                                              | <u>536</u> | <u>35</u>                                                                                                   | <u>70</u> | <u>21</u>                                                                                            | <u>458</u> |
| P 9                                                                                                       |           | <u>24</u>                                                                                              | <u>567</u> | <u>40</u>                                                                                                   | <u>70</u> | <u>24</u>                                                                                            | <u>472</u> |
| P10                                                                                                       |           | <u>27</u>                                                                                              | <u>588</u> | <u>45</u>                                                                                                   | <u>70</u> | <u>27</u>                                                                                            | <u>487</u> |
| P11                                                                                                       |           | <u>30</u>                                                                                              | <u>604</u> | <u>50</u>                                                                                                   | <u>74</u> | <u>30</u>                                                                                            | <u>499</u> |
| P12                                                                                                       |           | <u>33</u>                                                                                              | <u>619</u> | <u>55</u>                                                                                                   | <u>76</u> | <u>33</u>                                                                                            | <u>507</u> |
| P13                                                                                                       |           | <u>36</u>                                                                                              | <u>632</u> |                                                                                                             |           | <u>36</u>                                                                                            | <u>517</u> |
| P14                                                                                                       |           | <u>39</u>                                                                                              | <u>644</u> |                                                                                                             |           | <u>39</u>                                                                                            | <u>523</u> |
| P15                                                                                                       |           | <u>42</u>                                                                                              | <u>652</u> |                                                                                                             |           | <u>42</u>                                                                                            | <u>528</u> |
| P16                                                                                                       |           | <u>45</u>                                                                                              | <u>659</u> |                                                                                                             |           | <u>45</u>                                                                                            | <u>530</u> |
| P17                                                                                                       |           | <u>48</u>                                                                                              | <u>664</u> |                                                                                                             |           | <u>48</u>                                                                                            | <u>536</u> |
| P18                                                                                                       |           | <u>51</u>                                                                                              | <u>669</u> |                                                                                                             |           | <u>51</u>                                                                                            | <u>536</u> |
| P19                                                                                                       |           | <u>54</u>                                                                                              | <u>674</u> |                                                                                                             |           | <u>54</u>                                                                                            | <u>541</u> |
| P20                                                                                                       |           | <u>57</u>                                                                                              | <u>677</u> |                                                                                                             |           | <u>57</u>                                                                                            | <u>541</u> |
|                                                                                                           |           | <u>60</u>                                                                                              | <u>679</u> |                                                                                                             |           | <u>60</u>                                                                                            | <u>541</u> |

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

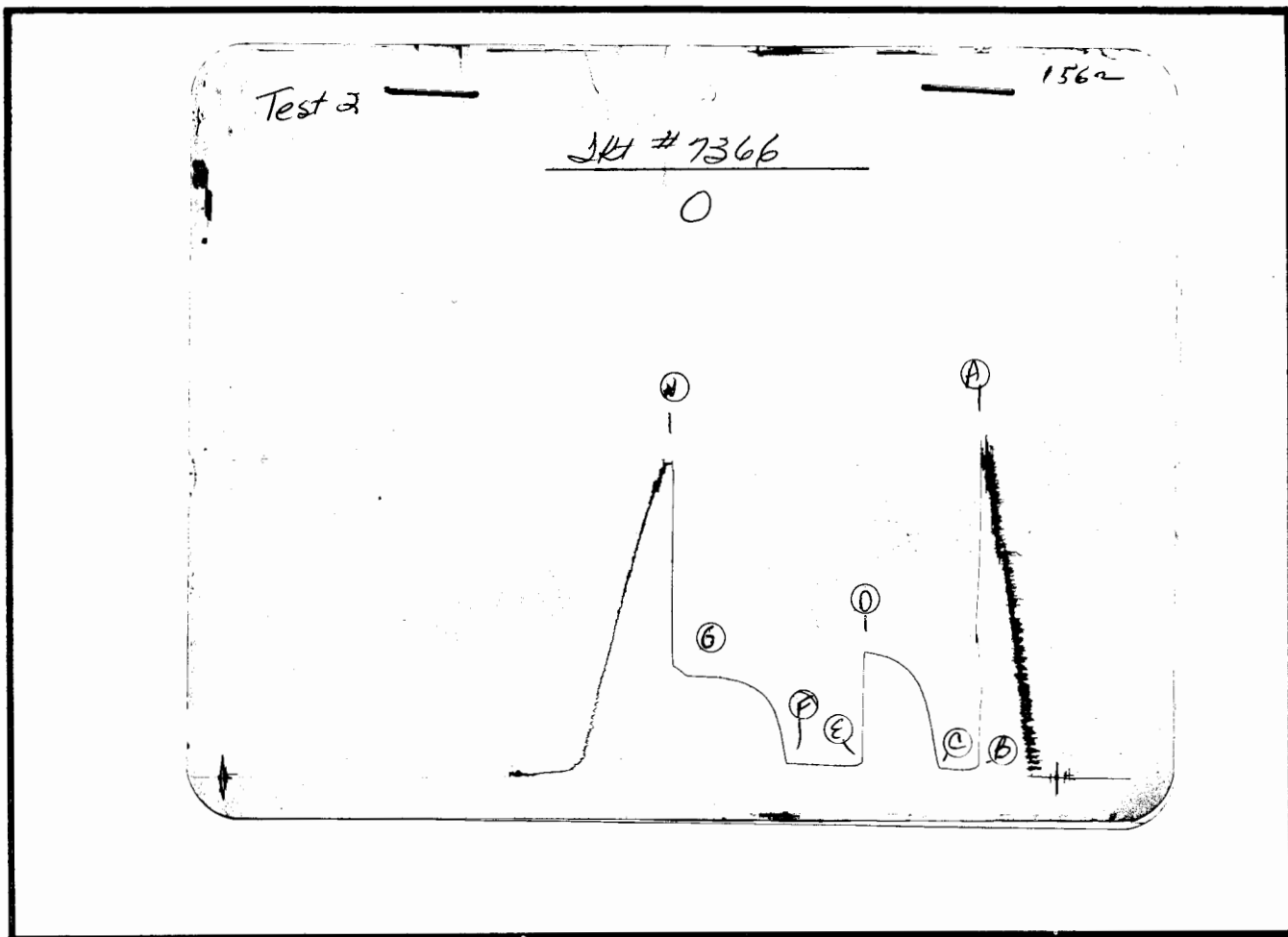
Date 9-23-80 Test Ticket No. 7366  
Recorder No. 1562 Capacity 3900 Location 3330 Ft.  
Clock No. ----- Elevation 1456 Kelly Bushing Well Temperature 115 °F

| Point                          | Pressure           |                            | Time Given      | Time Computed   |
|--------------------------------|--------------------|----------------------------|-----------------|-----------------|
| A Initial Hydrostatic Mud      | <u>1731</u> P.S.I. | Open Tool                  | <u>1:50</u>     | <u>M</u>        |
| B First Initial Flow Pressure  | <u>79</u> P.S.I.   | First Flow Pressure        | <u>30</u> Mins. | <u>30</u> Mins. |
| C First Final Flow Pressure    | <u>60</u> P.S.I.   | Initial Closed-in Pressure | <u>60</u> Mins. | <u>60</u> Mins. |
| D Initial Closed-in Pressure   | <u>679</u> P.S.I.  | Second Flow Pressure       | <u>60</u> Mins. | <u>55</u> Mins. |
| E Second Initial Flow Pressure | <u>82</u> P.S.I.   | Final Closed-in Pressure   | <u>90</u> Mins. | <u>87</u> Mins. |
| F Second Final Flow Pressure   | <u>76</u> P.S.I.   |                            |                 |                 |
| G Final Closed-in Pressure     | <u>597</u> P.S.I.  |                            |                 |                 |
| H Final Hydrostatic Mud        | <u>1687</u> 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>11</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            |        |                  |        |                  |        | 63               | 542    |
| P 2            |        |                  |        |                  |        | 66               | 543    |
| P 3            |        |                  |        |                  |        | 69               | 544    |
| P 4            |        |                  |        |                  |        | 72               | 545    |
| P 5            |        |                  |        |                  |        | 75               | 546    |
| P 6            |        |                  |        |                  |        | 78               | 552    |
| P 7            |        |                  |        |                  |        | 81               | 567    |
| P 8            |        |                  |        |                  |        | 84               | 582    |
| P 9            |        |                  |        |                  |        | 87               | 597    |
| P10            |        |                  |        |                  |        |                  |        |
| P11            |        |                  |        |                  |        |                  |        |
| P12            |        |                  |        |                  |        |                  |        |
| P13            |        |                  |        |                  |        |                  |        |
| P14            |        |                  |        |                  |        |                  |        |
| P15            |        |                  |        |                  |        |                  |        |
| P16            |        |                  |        |                  |        |                  |        |
| P17            |        |                  |        |                  |        |                  |        |
| P18            |        |                  |        |                  |        |                  |        |
| P19            |        |                  |        |                  |        |                  |        |
| P20            |        |                  |        |                  |        |                  |        |



This is an actual photograph of recorder chart.

| POINT                            | PRESSURE      |                |
|----------------------------------|---------------|----------------|
|                                  | Field Reading | Office Reading |
| (A) Initial Hydrostatic Mud      | 1648          | 1731 PSI       |
| (B) First Initial Flow Pressure  | 50            | 79 PSI         |
| (C) First Final Flow Pressure    | 60            | 60 PSI         |
| (D) Initial Closed-in Pressure   | 650           | 679 PSI        |
| (E) Second Initial Flow Pressure | 70            | 82 PSI         |
| (F) Second Final Flow Pressure   | 70            | 76 PSI         |
| (G) Final Closed-in Pressure     | 599           | 597 PSI        |
| (H) Final Hydrostatic Mud        | 1638          | 1687 PSI       |