

Company National Oil Company Lease & Well No. Henning #1
Elevation 1707 Kelly Bushing Mississippi Formation Effective Pay --- Ft. Ticket No. 3082
Date 1/10/80 Sec. 3 Twp. 29S Range 9W County Kingman State Kansas
Test Approved by John L. James Western Representative Kenny Kirkendoll

Formation Test No. 1 Interval Tested from 4164 ft. to 4190 ft. Total Depth 4190 ft.

Packer Depth 4164 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4160 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4184 ft. Recorder Number 6234 Cap. 4500

Bottom Recorder Depth (Outside) 4190 ft. Recorder Number 5666 Cap. 3950

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

Drilling Contractor B. & B. Drilling, Inc. Rig # 2 Drill Collar Length -- I. D. - in.

Mud Type starch Viscosity 38 Weight Pipe Length 155 I. D. - in.

Weight 9.6 Water Loss 16. cc. Drill Pipe Length 3979 I. D. - in.

Chlorides 60,000 P.P.M. Test Tool Length 30 ft. Tool Size 5 1/2 in.

Jars: Make WTC Serial Number 407 Anchor Length 26 ft. Size 5 1/2 in.

Did Well Flow? NO 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: First flow good blow. Gas to surface in twenty-three minutes. Second flow good blow throughout test. See attached sheet for gas measurements.

Recovered 90 ft. of drilling mud

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: Final shut-in fifteen minutes longer than requested due to rig repair.

Time Set Packer(s) 11:50 ~~A.M.~~ P.M. Time Started Off Bottom 3:05 ~~P.M.~~ A.M. Maximum Temperature 113°

Initial Hydrostatic Pressure (A) 2249 P.S.I.

Initial Flow Period Minutes 30 (B) 76 P.S.I. to (C) 41 P.S.I.

Initial Closed In Period Minutes 48 (D) 1174 P.S.I.

Final Flow Period Minutes 60 (E) 57 P.S.I. to (F) 44 P.S.I.

Final Closed In Period Minutes 60 (G) 1102 P.S.I.

Final Hydrostatic Pressure (H) 2191 P.S.I.

GAS FLOW REPORT

Date 1/10/80 Ticket 3082 Company National Oil Company
Well Name and No. Henning #1 Dst No. 1 Interval Tested 4164'-4190'
County Kingman State Kansas Sec. 5 Twp. 29S Rg. 9W

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
PRE FLOW						
	GAS TO	SURFACE	TWENTY-THREE MINUTES.			

SECOND FLOW

[illegible]

GAS BOTTLE

Serial No. 639 Date Bottle Filled 1/10/80 Date to be Invoiced 1/10/80

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 National Oil Company

Authorized by John L. James

WESTERN TESTING CO., INC.

Pressure Data

Date 1/10/80 Test Ticket No. 3082
 Recorder No. 6234 Capacity 4500 Location 4184 Ft.
 Clock No. -- Elevation 1707 Kelly Bushing Well Temperature 113 °F
 Point Pressure Time Given Time Computed
 A Initial Hydrostatic Mud 2249 P.S.I. Open Tool 11:50P M
 B First Initial Flow Pressure 76 P.S.I. First Flow Pressure 30 Mins. 30 Mins.
 C First Final Flow Pressure 41 P.S.I. Initial Closed-in Pressure 45 Mins. 48 Mins.
 D Initial Closed-in Pressure 1174 P.S.I. Second Flow Pressure 60 Mins. 60 Mins.
 E Second Initial Flow Pressure 57 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 1102 P.S.I.
 H Final Hydrostatic Mud 2191 P.S.I.

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>16</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a 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>76</u>	<u>0</u>	<u>41</u>	<u>0</u>	<u>57</u>	<u>0</u>	<u>44</u>
P 2 <u>5</u>	<u>57</u>	<u>3</u>	<u>252</u>	<u>5</u>	<u>54</u>	<u>3</u>	<u>172</u>
P 3 <u>10</u>	<u>53</u>	<u>6</u>	<u>411</u>	<u>10</u>	<u>48</u>	<u>6</u>	<u>298</u>
P 4 <u>15</u>	<u>46</u>	<u>9</u>	<u>545</u>	<u>15</u>	<u>46</u>	<u>9</u>	<u>404</u>
P 5 <u>20</u>	<u>44</u>	<u>12</u>	<u>653</u>	<u>20</u>	<u>43</u>	<u>12</u>	<u>493</u>
P 6 <u>25</u>	<u>42</u>	<u>15</u>	<u>748</u>	<u>25</u>	<u>41</u>	<u>15</u>	<u>570</u>
P 7 <u>30</u>	<u>41</u>	<u>18</u>	<u>818</u>	<u>30</u>	<u>41</u>	<u>18</u>	<u>626</u>
P 8		<u>21</u>	<u>883</u>	<u>35</u>	<u>42</u>	<u>21</u>	<u>689</u>
P 9		<u>24</u>	<u>930</u>	<u>40</u>	<u>42</u>	<u>24</u>	<u>936</u>
P10		<u>27</u>	<u>973</u>	<u>45</u>	<u>43</u>	<u>27</u>	<u>784</u>
P11		<u>30</u>	<u>1014</u>	<u>50</u>	<u>43</u>	<u>30</u>	<u>829</u>
P12		<u>33</u>	<u>1050</u>	<u>55</u>	<u>44</u>	<u>33</u>	<u>867</u>
P13		<u>36</u>	<u>1079</u>	<u>60</u>	<u>44</u>	<u>36</u>	<u>903</u>
P14		<u>39</u>	<u>1108</u>			<u>39</u>	<u>932</u>
P15		<u>42</u>	<u>1131</u>			<u>42</u>	<u>962</u>
P16		<u>45</u>	<u>1152</u>			<u>45</u>	<u>989</u>
P17		<u>48</u>	<u>1174</u>			<u>48</u>	<u>1015</u>
P18						<u>51</u>	<u>1038</u>
P19						<u>54</u>	<u>1061</u>
P20						<u>57</u>	<u>1081</u>
						<u>60</u>	<u>1102</u>

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