

Company The National Oil Company Lease & Well No. Frisbie #1
Elevation - Formation Mississippi Effective Pay - Ft. Ticket No. 1542
Date 3-2-79 Sec. 25 Twp. 33S Range 10W County Barber State Kansas
Test Approved by Clyde Kuhn Western Representative Jim Wondra

Formation Test No. 1 Interval Tested from 4587 ft. to 4600 ft. Total Depth 4600 ft.
Packer Depth 4583 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 4587 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4 590 ft. Recorder Number 2607 Cap. 4150
Bottom Recorder Depth (Outside) 4593 ft. Recorder Number 3351 Cap. 4000
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Graves Drilling Co. (#1) Drill Collar Length 86 I. D. 2 1/4 in.
Mud Type Premix Viscosity 42 Weight Pipe Length 384 I. D. 2.7 in.
Weight 9.0 Water Loss 20.8 cc. Drill Pipe Length 4096 I. D. 3.8 in.
Chlorides 15,500 P.P.M. Test Tool Length 21' XX in. Tool Size 5 1/2 OD in.
Jars: Make - Serial Number - Anchor Length 13 ft. Size 5 1/2 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 1/2 fh in.

Blow: Strong blow throughout test. Gas to surface in 26 minutes on pre flow. See attached sheet for gas measurements.

Recovered 185 ft. of gas cut oil (30 gravity)
Recovered 60 ft. of heavy muddy gas cut oil
Recovered ft. of
Recovered ft. of
Recovered ft. of

Remarks:

Time Set Packer(s) 3:50 ~~AM~~ P.M. Time Started Off Bottom 6:50 ~~AM~~ P.M. Maximum Temperature 123
Initial Hydrostatic Pressure (A) 2310 P.S.I.
Initial Flow Period Minutes 30 (B) 68 P.S.I. to (C) 72 P.S.I.
Initial Closed In Period Minutes 45 (D) 1811 P.S.I.
Final Flow Period Minutes 60 (E) 72 P.S.I. to (F) 95 P.S.I.
Final Closed In Period Minutes 45 (G) 1815 P.S.I.
Final Hydrostatic Pressure (H) 2278 P.S.I.

Phone 316 262-5861
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P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Date 3-2-79 Ticket 1542 Company The National Oil Company
Well Name and No. Frisbie #1 Dst No. 1 Interval Tested 4587' - 4600;
County Barber State Kansas Sec. 25 Twp. 33S Rg. 10W

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						
	30 min.	10" of water	1/2" orifice			19,900 C.F.P.D.

SECOND FLOW						
	5 min.	15" of water	3/4" orifice			55,200 C.F.P.D.
	10Min.	8" of water	3/4" orifice			40,000 C.F.P.D.
	20 min.	8" of water	3/4" orifice			40,000 C.F.P.D.
	30 min.	12" of water	3/4" orifice			49,300 C.F.P.D.
	40 min.	12" of water	3/4" orifice			49,300 C.F.P.D.
	50 min.	12" of water	3/4" orifice			49,300 C.F.P.D.
	60 min.	12" of water	3/4" orifice			49,300 C.F.P.D.

GAS BOTTLE

Serial No. - Date Bottle Filled - Date to be Invoiced -

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% per month, equal to 12% 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 The National Oil Company

Authorized by Clyde Kuhn

WESTERN TESTING CO., INC.

Pressure Data

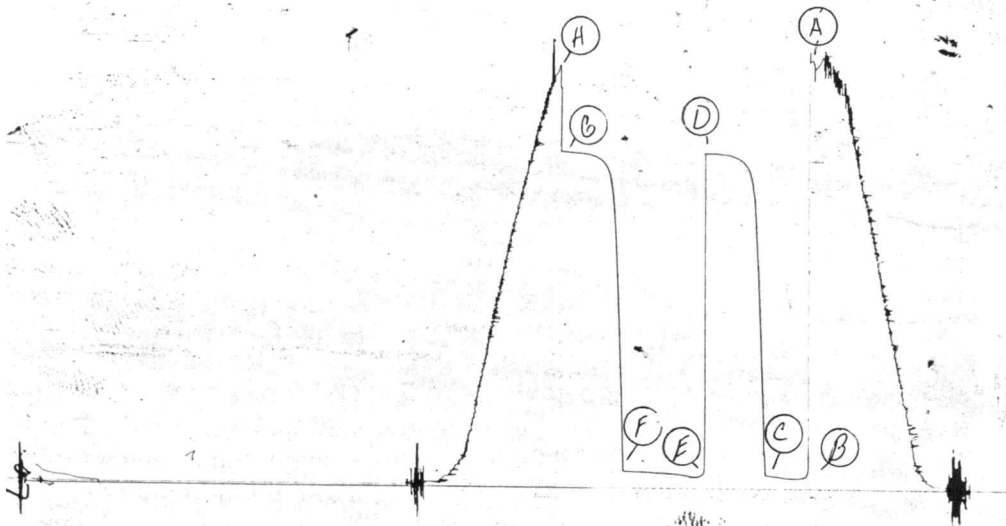
Date 3-2-79 Test Ticket No. 1542
 Recorder No. 2607 Capacity 4150 Location 4590 Ft.
 Clock No. - Elevation - Well Temperature 123 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2310 P.S.I.	Open Tool	3:50P.	M
B First Initial Flow Pressure	68 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	72 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D Initial Closed-in Pressure	1811 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	72 P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
F Second Final Flow Pressure	95 P.S.I.			
G Final Closed-in Pressure	1815 P.S.I.			
H Final Hydrostatic Mud	2278 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>15</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>15</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>	68	0	71	0	72	0	95
P 2 <u>5</u>	61	3	350	5	65	3	606
P 3 <u>10</u>	59	6	987	10	68	6	1056
P 4 <u>15</u>	61	9	1247	15	76	9	1435
P 5 <u>20</u>	65	12	1527	20	80	12	1653
P 6 <u>25</u>	70	15	1721	25	82	15	1733
P 7 <u>30</u>	72	18	1745	30	84	18	1767
P 8		21	1777	35	86	21	1784
P 9		24	1790	40	87	24	1794
P10		27	1798	45	89	27	1800
P11		30	1804	50	91	30	1805
P12		33	1807	55	93	33	1809
P13		36	1809	60	95	36	1811
P14		39	1811			39	1813
P15		42	1811			42	1815
P16		45	1811			45	1815
P17							
P18							
P19							
P20							

TKT # 1542
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Company National Oil Company Lease & Well No. Frisbie #1
Elevation -- Formation Mississippi Effective Pay -- Ft. Ticket No. 1543
Date 3/3/79 Sec. 25 Twp. 33S Range 10W County Barber State Kansas
Test Approved by Clyde R. Kuhn Western Representative Jim Wondra
Formation Test No. 2 Interval Tested from 4600' ft. to 4615' ft. Total Depth 4615' ft.
Packer Depth 4595 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 4600 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set --
Top Recorder Depth (Inside) 4605 ft. Recorder Number 2607 Cap. 4150
Bottom Recorder Depth (Outside) 4608 ft. Recorder Number 3351 Cap. 4000
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Graves Drilling Rig #1 Drill Collar Length 86 I. D. 2 1/4 in.
Mud Type premix Viscosity 42 Weight Pipe Length 384 I. D. 2.7 in.
Weight 9.0 Water Loss 20.8 cc. Drill Pipe Length 4109 I. D. 3.8 in.
Chlorides 15,500 P.P.M. Test Tool Length 21' ~~ft.~~ Tool Size 5 1/2 OD in.
Jars: Make -- Serial Number -- Anchor Length 15' ft. Size 5 1/2 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 1/2 FH in.

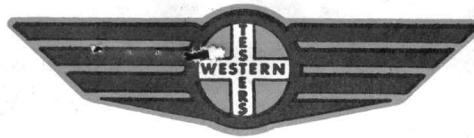
Blow: Fair increased to s-rong blow on first flow period. Strong blow throughout second flow
od. Gas to surface in 12 minutes on second flow. See attached sheet for gas measurements.

Recovered	<u>175</u>	ft. of	<u>gas cut oil (gravity 30)</u>
Recovered	<u>60</u>	ft. of	<u>slightly muddy gas cut oil</u>
Recovered	<u>50</u>	ft. of	<u>muddy gas cut oil</u>
Recovered	<u>10</u>	ft. of	<u>watery mud</u>
Recovered		ft. of	

Remarks: _____

Time Set	<u>7:20</u>	<u>A.M.</u> P.M.	Time Started Off Bottom	<u>10:20</u>	<u>A.M.</u> P.M.	Maximum Temperature	<u>124</u>
Initial Hydrostatic Pressure			(A)	<u>2314</u>	P.S.I.		
Initial Flow Period		Minutes	(B)	<u>30</u>	P.S.I. to (C)	<u>68</u>	P.S.I.
Initial Closed In Period		Minutes	(D)	<u>45</u>	P.S.I.		
Final Flow Period		Minutes	(E)	<u>60</u>	P.S.I. to (F)	<u>118</u>	P.S.I.
Final Closed In Period		Minutes	(G)	<u>45</u>	P.S.I.		
Final Hydrostatic Pressure			(H)	<u>2287</u>	P.S.I.		

Phone 316 262-5861
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P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Date 3/3/79 Ticket 1543 Company National Oil Company
Well Name and No. Frisbie #1 Dst No. 2 Interval Tested 4600'-4615'
County Barber State Kansas Sec. 25 Twp. 33S Rg. 10W

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 in 12 minutes.

SECOND FLOW

17 min.	17" of water 1/4" orifice				6,930 CFPD
22 min.	20" of water 1/4" orifice				7,510 CFPD
32 min.	26" of water 1/4" orifice				8,560 CFPD
42 min.	24" of water 1/4" orifice				8,220 CFPD
52 min.	22" of water 1/4" orifice				7,510 CFPD

GAS BOTTLE

Serial No. ----- Date Bottle Filled ----- Date to be Invoiced 3/3/79

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All charges subject to 1% per month, equal to 12% 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 Clyde R. Kuhn

WESTERN TESTING CO., INC.

Pressure Data

Date 3/3/79 Test Ticket No. 1543
 Recorder No. 2607 Capacity 4150 Location 4605 Ft.
 Clock No. -- Elevation -- Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2314 P.S.I.	Open Tool	7:20A	M
B First Initial Flow Pressure	59 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	68 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D Initial Closed-in Pressure	1723 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	93 P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
F Second Final Flow Pressure	118 P.S.I.			
G Final Closed-in Pressure	1647 P.S.I.			
H Final Hydrostatic Mud	2287 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>15</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>59</u>	<u>0</u>	<u>68</u>	<u>0</u>	<u>93</u>	<u>0</u>	<u>118</u>
P 2 <u>5</u>	<u>51</u>	<u>3</u>	<u>377</u>	<u>5</u>	<u>89</u>	<u>3</u>	<u>383</u>
P 3 <u>10</u>	<u>51</u>	<u>6</u>	<u>887</u>	<u>10</u>	<u>95</u>	<u>6</u>	<u>856</u>
P 4 <u>15</u>	<u>51</u>	<u>9</u>	<u>1351</u>	<u>15</u>	<u>101</u>	<u>9</u>	<u>1201</u>
P 5 <u>20</u>	<u>59</u>	<u>12</u>	<u>1462</u>	<u>20</u>	<u>108</u>	<u>12</u>	<u>1330</u>
P 6 <u>25</u>	<u>63</u>	<u>15</u>	<u>1521</u>	<u>25</u>	<u>114</u>	<u>15</u>	<u>1401</u>
P 7 <u>30</u>	<u>68</u>	<u>18</u>	<u>1565</u>	<u>30</u>	<u>118</u>	<u>18</u>	<u>1454</u>
P 8		<u>21</u>	<u>1599</u>	<u>35</u>	<u>118</u>	<u>21</u>	<u>1490</u>
P 9		<u>24</u>	<u>1626</u>	<u>40</u>	<u>118</u>	<u>24</u>	<u>1523</u>
P10		<u>27</u>	<u>1643</u>	<u>45</u>	<u>118</u>	<u>27</u>	<u>1548</u>
P11		<u>30</u>	<u>1658</u>	<u>50</u>	<u>118</u>	<u>30</u>	<u>1567</u>
P12		<u>33</u>	<u>1671</u>	<u>55</u>	<u>118</u>	<u>33</u>	<u>1588</u>
P13		<u>36</u>	<u>1684</u>	<u>60</u>	<u>118</u>	<u>36</u>	<u>1603</u>
P14		<u>39</u>	<u>1699</u>			<u>39</u>	<u>1618</u>
P15		<u>42</u>	<u>1713</u>			<u>42</u>	<u>1630</u>
P16		<u>45</u>	<u>1723</u>			<u>45</u>	<u>1647</u>
P17							
P18							
P19							
P20							

Tkt # 1543
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