

Company Martin Oil Producers & Pate Dombaugh Lease & Well No. Kostner #4  
 Elevation 1545 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 11885  
 Date 12/16/81 Sec. 3 Twp. 29S Range 6W County Kingman State Kansas  
 Test Approved by Ray Dombaugh Western Representative Louis Spencer

Formation Test No. 1 Interval Tested from 4048 ft. to 4071 ft. Total Depth 4071 ft.  
 Packer Depth 4043 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Packer Depth 4048 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -  
 Top Recorder Depth (Inside) 4060 ft. Recorder Number 11019 Cap. 4500  
 Bottom Recorder Depth (Outside) 4063 ft. Recorder Number 1560 Cap. 4500  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Kaw Drilling Rig Drill Collar Length - I. D. - in.  
 Mud Type - Viscosity 41 Weight Pipe Length 300 I. D. 2.5 in.  
 Weight 9.2 Water Loss 19.2 cc. Drill Pipe Length 3728 I. D. 3.8 in.  
 Chlorides 22,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.  
 Jars: Make - Serial Number - Anchor Length 23 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 3 1/2 in.

Blow: Initial flow period good. Final flow period gas to surface in ten minutes. See attached sheet for gas measurements.

Recovered 180 ft. of mud  
 Recovered 120 ft. of muddy water  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: \_\_\_\_\_

Time Set Packer(s) 10:35 ~~A.M.~~ P.M. Time Started Off Bottom 1:50 ~~A.M.~~ P.M. Maximum Temperature 126°  
 Initial Hydrostatic Pressure ..... (A) 1984 P.S.I.  
 Initial Flow Period ..... Minutes 30 (B) 109 P.S.I. to (C) 137 P.S.I.  
 Initial Closed In Period ..... Minutes 45 (D) 1077 P.S.I.  
 Final Flow Period ..... Minutes 55 (E) 144 P.S.I. to (F) 144 P.S.I.  
 Final Closed In Period ..... Minutes 60 (G) 1084 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 1955 P.S.I.

## GAS FLOW REPORT

Martin Oil Producers &

Date 12/16/81 Ticket 11885 Company Pate Dombaugh

Well Name and No. Kostner #4 Dst No. 1 Interval Tested 4048'-4071'

County Kingman State Kansas Sec. 3 Twp. 29S Rg. 6W

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

Gas to surface in nine minutes. **SECOND FLOW**

10 min.	2.0 PSIG	1/4" orifice			12,700 CFPD
20 min.	3.0 PSIG	1/4" orifice			15,700 CFPD
30 min.	4.0 PSIG	1/4" orifice			18,500 CFPD
40 min.	4.0 PSIG	1/4" orifice			18,500 CFPD
50 min.	4.5 PSIG	1/4" orifice			19,500 CFPD
60 min.	4.5 PSIG	1/4" orifice			19,500 CFPD

### GAS BOTTLE

Serial No. - Date Bottle Filled - Date to be Invoiced 12/16/81

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 Martin Oil Producers & Pate Dombaugh

Authorized by Ray Dombaugh

WESTERN TESTING CO., INC.

Pressure Data

Date 12/16/81 Test Ticket No. 11885  
 Recorder No. 11019 Capacity 4500 Location 4060 Ft.  
 Clock No. -- Elevation 1545 Kelly Bushing Well Temperature 126 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1984	P.S.I.	10:35P	M
B First Initial Flow Pressure	109	P.S.I.	30	30 Mins.
C First Final Flow Pressure	137	P.S.I.	45	45 Mins.
D Initial Closed-in Pressure	1077	P.S.I.	60	55 Mins.
E Second Initial Flow Pressure	144	P.S.I.	60	60 Mins.
F Second Final Flow Pressure	144	P.S.I.		
G Final Closed-in Pressure	1084	P.S.I.		
H Final Hydrostatic Mud	1955	P.S.I.		

PRESSURE BREAKDOWN

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

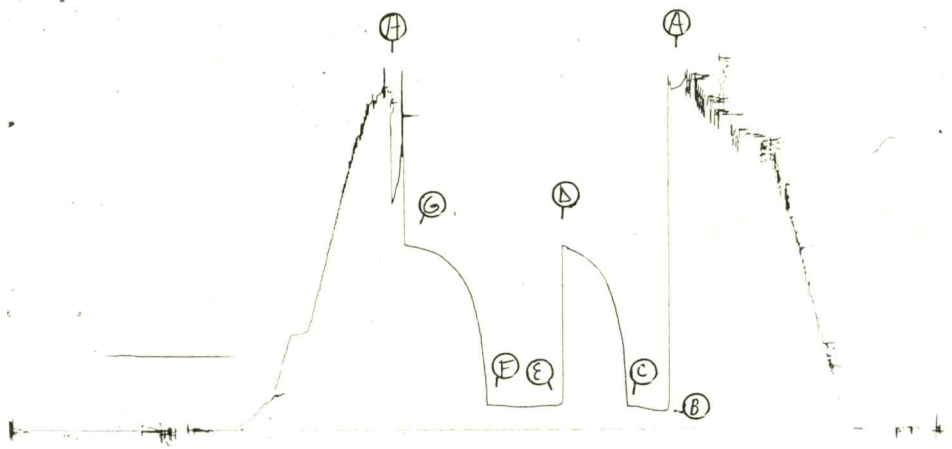
Initial Shut-In  
 Breakdown: 15 Inc.  
 of 3 mins. and a  
 final inc. of 0 Min.

Second Flow Pressure  
 Breakdown: 11 Inc.  
 of 5 mins. and a  
 final inc. of 0 Min.

Final Shut-In  
 Breakdown: 20 Inc.  
 of 3 mins. and a  
 final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	109	0	137	0	144	0	144
P 2 5	109	3	509	5	144	3	466
P 3 10	109	6	644	10	144	6	635
P 4 15	119	9	743	15	144	9	739
P 5 20	129	12	813	20	144	12	809
P 6 25	136	15	876	25	144	15	860
P 7 30	137	18	914	30	144	18	901
P 8		21	948	35	144	21	932
P 9		24	972	40	144	24	956
P10		27	995	45	144	27	980
P11		30	1013	50	144	30	1000
P12		33	1027	55	144	33	1020
P13		36	1041			36	1036
P14		39	1052			39	1045
P15		42	1067			42	1053
P16		45	1077			45	1061
P17						48	1068
P18						51	1075
P19						54	1077
P20						57	1080
						60	1084

TKT # 11885  
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Company Martin Oil Producers & Pate Dombaugh Petroleum Lease & Well No. Kostner #4

Elevation 1545 Kelly Bushing Formation - Effective Pay --- Ft. Ticket No. 11886

Date 12/17/81 Sec. 3 Twp. 29S Range 6W County Kingman State Kansas

Test Approved by Ray Dombaugh Western Representative Louis Spencer

Formation Test No. 2 Interval Tested from 4072 ft. to 4097 ft. Total Depth 4097 ft.

Packer Depth 4067 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4072 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4085 ft. Recorder Number 11019 Cap. 4500

Bottom Recorder Depth (Outside) 4088 ft. Recorder Number 1560 Cap. 4500

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

Drilling Contractor Kaw Drilling Rig #1 Drill Collar Length - I. D. - in.

Mud Type chemical Viscosity 60 Weight Pipe Length 300 I. D. 2.5 in.

Weight 9.5 Water Loss 14.8 cc. Drill Pipe Length 3752 I. D. 3.8 in.

Chlorides 22,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.

Jars: Make - Serial Number - Anchor Length 25 ft. Size 5 1/2 in.

Did Well Flow? No Reversed Out - Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 3 1/2 in.

Blow: Initial flow period good; gas to surface in five minutes. See attached sheet for gas measurements.

Recovered 300 ft. of mud

Recovered 300 ft. of mud with oil spots

Recovered          ft. of         

Recovered          ft. of         

Recovered          ft. of         

Remarks:         

Time Set Packer(s) 4:55 A.M. P.M. Time Started Off Bottom 6:40 A.M. P.M. Maximum Temperature ?

Initial Hydrostatic Pressure 2114 P.S.I. (A)

Initial Flow Period 30 Minutes (B) 131 P.S.I. to (C) 170 P.S.I.

Initial Closed In Period 30 Minutes (D) 1421 P.S.I.

Final Flow Period 15 Minutes (E) 242 P.S.I. to (F) 351 P.S.I.

Final Closed In Period 30 Minutes (G) 1172 P.S.I.

Final Hydrostatic Pressure 2057 P.S.I. (H)

## GAS FLOW REPORT

Date 12/17/81 Ticket 11886 Company Martin Oil Producers & Pate Dombaugh Petroleum  
 Well Name and No. Kostner #4 Dst No. 2 Interval Tested 4072' - 4097'  
 County Kingman State Kansas Sec. 3 Twp. 29S Rg. 6W

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.	3.0 PSIG		1/2" orifice		59,200 CFPD
	20 min.	3.5 PSIG		1/2" orifice		64,000 CFPD
	30 min.	3.5 PSIG		1/2" orifice		64,000 CFPD

<b>SECOND FLOW</b>						
	5 min.	5.0 PSIG		1/4" orifice		20,700 CFPD
	10 min.	13.0 PSIG		1/4" orifice		35,900 CFPD
	15 min.	14.0 PSIG		1/4" orifice		37,600 CFPD

### GAS BOTTLE

Serial No. --- Date Bottle Filled --- Date to be Invoiced 12/17/81

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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 Martin Oil Producers & Pate Dombaugh Petroleum  
 Authorized by Ray Dombaugh

**WESTERN TESTING CO., INC.**

**Pressure Data**

Date 12/17/81 Test Ticket No. 11886  
 Recorder No. 11019 Capacity 4500 Location 4085 Ft.  
 Clock No. -- Elevation 1545 Kelly Bushing Well Temperature - °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2114	P.S.I.	4:55	M
B First Initial Flow Pressure	131	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	170	P.S.I.	30	Mins. 30 Mins.
D Initial Closed-in Pressure	1421	P.S.I.	15	Mins. 15 Mins.
E Second Initial Flow Pressure	242	P.S.I.	30	Mins. 30 Mins.
F Second Final Flow Pressure	351	P.S.I.		
G Final Closed-in Pressure	1172	P.S.I.		
H Final Hydrostatic Mud	2057	P.S.I.		

ALL PRESSURES QUESTIONABLE

**PRESSURE BREAKDOWN**

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

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

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

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

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>131</u>	<u>0</u>	<u>170</u>	<u>0</u>	<u>242</u>	<u>0</u>	<u>351</u>
P 2 <u>5</u>	<u>131</u>	<u>3</u>	<u>757</u>	<u>5</u>	<u>242</u>	<u>3</u>	<u>1287</u>
P 3 <u>10</u>	<u>131</u>	<u>6</u>	<u>1215</u>	<u>10</u>	<u>290</u>	<u>6</u>	<u>1360</u>
P 4 <u>15</u>	<u>135</u>	<u>9</u>	<u>1566</u>	<u>15</u>	<u>351</u>	<u>9</u>	<u>1258</u>
P 5 <u>20</u>	<u>146</u>	<u>12</u>	<u>1706</u>			<u>12</u>	<u>1204</u>
P 6 <u>25</u>	<u>162</u>	<u>15</u>	<u>1740</u>			<u>15</u>	<u>1174</u>
P 7 <u>30</u>	<u>170</u>	<u>18</u>	<u>1688</u>			<u>18</u>	<u>1152</u>
P 8 _____		<u>21</u>	<u>1570</u>			<u>21</u>	<u>1189</u>
P 9 _____		<u>24</u>	<u>1493</u>			<u>24</u>	<u>1186</u>
P10 _____		<u>27</u>	<u>1449</u>			<u>27</u>	<u>1185</u>
P11 _____		<u>30</u>	<u>1421</u>			<u>30</u>	<u>1172</u>
P12 _____							
P13 _____							
P14 _____							
P15 _____							
P16 _____							
P17 _____							
P18 _____							
P19 _____							
P20 _____							

PK # 11886  
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