

Company Midco Exploration, Inc. Lease & Well No. #1 Fox
Elevation --- Formation Mississippi Effective Pay -- Ft. Ticket No. 15749
Date 12/2/82 Sec. 8 Twp. 34S Range 23W County Clark State Kansas
Test Approved by Bob Douglass Western Representative Darrell Claphan

Formation Test No. 1 Interval Tested from 5430 ft. to 5480 ft. Total Depth 5480 ft.

Packer Depth 5425 ft. Size 6 5/8 in. Packer Depth 5430 ft. Size 6 5/8 in.

Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 5432 ft. Recorder Number 10980 Cap. 4200

Bottom Recorder Depth (Outside) 5436 ft. Recorder Number 6233 Cap. 4000

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

Drilling Contractor Union Drlg. Ric #1 Drill Collar Length 370 I. D. 2.2 in.

Mud Type drispac Viscosity 60 Weight Pipe Length - I. D. - in.

Weight 9.5 Water Loss 12.0 cc. Drill Pipe Length 5031 I. D. 3.8 in.

Chlorides 18,000 P.P.M. Test Tool Length 29 ft. Tool Size 4.5 in.

Jars: Make WTC Serial Number 414 Anchor Length 50 ft. Size 31' of 3.8-in. 19' of 5.5

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 4.5 in.

Blow: Initial flow period strong blow. Gas to surface in eight minutes. Final flow period - same blow. See attached sheet for gas measurements.

Recovered 140 ft. of mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Read Chart #6233

Time Set Packer(s) 4:10 A.M. Time Started Off Bottom 6:55 A.M. Maximum Temperature 119°
P.M. P.M.

Initial Hydrostatic Pressure 2872 (A) P.S.I.

Initial Flow Period 30 Minutes (B) 108 P.S.I. to (C) 108 P.S.I.

Initial Closed In Period 45 Minutes (D) 1979 P.S.I.

Final Flow Period 30 Minutes (E) 109 P.S.I. to (F) 109 P.S.I.

Final Closed In Period 57 Minutes (G) 1975 P.S.I.

Final Hydrostatic Pressure 2778 (H) P.S.I.

GAS FLOW REPORT

Date 12/2/82 Ticket 15749 Company Midco Exploration, Inc.
 Well Name and No. #1 Fox Dst No. 1 Interval Tested 5430'-5480'
 County Clark State Kansas Sec. 8 Twp. 34S Rg. 23W

Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	Size of Orifice	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	Description of Flow
Tool open @ 4:10 PM Gas to surface @ App PBE . FLOW 4:18 PM					
10 min.	6.0 PSIG	1/2"	orifice		86,300 CFPD
15 min.	7.0 PSIG	1/2"	orifice		94,500 CFPD
20 min.	10.0 PSIG	1/2"	orifice		116,000 CFPD
25 min.	11.0 PSIG	1/2"	orifice		121,000 CFPD
30 min.	11.0 PSIG	1/2"	orifice		121,000 CFPD

SECOND FLOW

5 min.	19.0 PSIG	1/2"	orifice		171,000 CFPD
10 min.	22.0 PSIG	1/2"	orifice		189,000 CFPD
15 min.	20.0 PSIG	1/2"	orifice		177,000 CFPD
20 min.	19.0 PSIG	1/2"	orifice		171,000 CFPD
25 min.	17.0 PSIG	1/2"	orifice		159,000 CFPD
30 min.	17.0 PSIG	1/2"	orifice		159,000 CFPD

GAS BOTTLE

Serial No. 14514 Date Bottle Filled 12/2/82 Date to be Invoiced 12/2/82

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 Midco Exploration, Inc.

Authorized by Bob Douglass

WESTERN TESTING CO., INC.

Pressure Data

Date 12/2/82 Recorder No. 6233 Capacity 4000 Test Ticket No. 15749
 Clock No. --- Elevation --- Location 119 Ft. --- Well Temperature --- °F

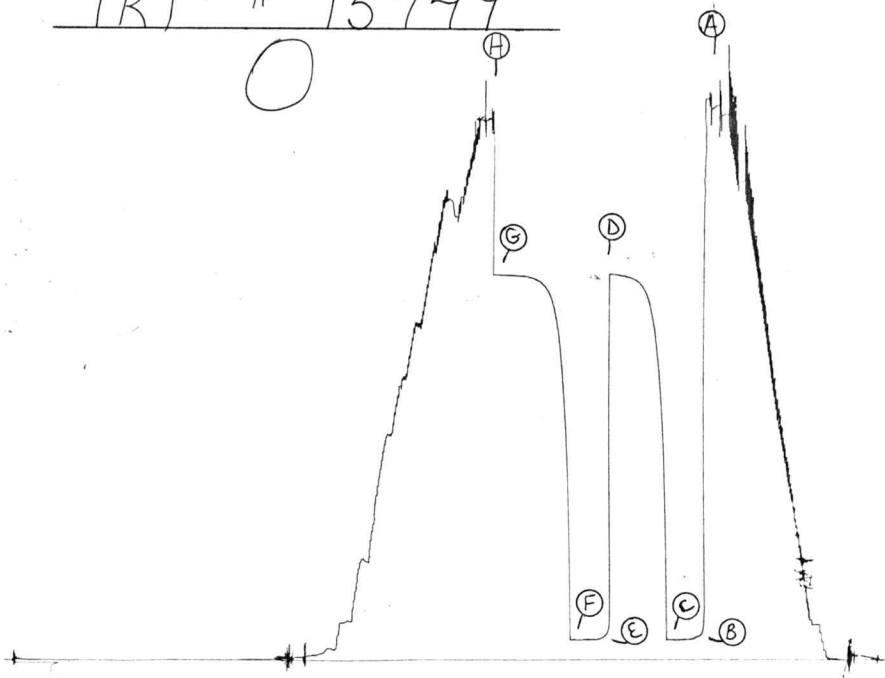
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2872	P.S.I.	4:10P	M
B First Initial Flow Pressure	108	P.S.I.	30	30
C First Final Flow Pressure	108	P.S.I.	45	45
D Initial Closed-in Pressure	1979	P.S.I.	30	30
E Second Initial Flow Pressure	109	P.S.I.	60	57
F Second Final Flow Pressure	109	P.S.I.		
G Final Closed-in Pressure	1975	P.S.I.		
H Final Hydrostatic Mud	2778	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>6</u> Inc.		Breakdown: <u>19</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>108</u>	<u>0</u>	<u>108</u>	<u>0</u>	<u>109</u>	<u>0</u>	<u>109</u>
P 2 <u>5</u>	<u>108</u>	<u>3</u>	<u>1179</u>	<u>5</u>	<u>109</u>	<u>3</u>	<u>1296</u>
P 3 <u>10</u>	<u>108</u>	<u>6</u>	<u>1498</u>	<u>10</u>	<u>109</u>	<u>6</u>	<u>1581</u>
P 4 <u>15</u>	<u>108</u>	<u>9</u>	<u>1687</u>	<u>15</u>	<u>109</u>	<u>9</u>	<u>1750</u>
P 5 <u>20</u>	<u>108</u>	<u>12</u>	<u>1796</u>	<u>20</u>	<u>109</u>	<u>12</u>	<u>1838</u>
P 6 <u>25</u>	<u>108</u>	<u>15</u>	<u>1873</u>	<u>25</u>	<u>109</u>	<u>15</u>	<u>1891</u>
P 7 <u>30</u>	<u>108</u>	<u>18</u>	<u>1915</u>	<u>30</u>	<u>109</u>	<u>18</u>	<u>1920</u>
P 8 <u>---</u>	<u>---</u>	<u>21</u>	<u>1940</u>	<u>---</u>	<u>---</u>	<u>21</u>	<u>1941</u>
P 9 <u>---</u>	<u>---</u>	<u>24</u>	<u>1951</u>	<u>---</u>	<u>---</u>	<u>24</u>	<u>1952</u>
P10 <u>---</u>	<u>---</u>	<u>27</u>	<u>1961</u>	<u>---</u>	<u>---</u>	<u>27</u>	<u>1961</u>
P11 <u>---</u>	<u>---</u>	<u>30</u>	<u>1966</u>	<u>---</u>	<u>---</u>	<u>30</u>	<u>1967</u>
P12 <u>---</u>	<u>---</u>	<u>33</u>	<u>1969</u>	<u>---</u>	<u>---</u>	<u>33</u>	<u>1969</u>
P13 <u>---</u>	<u>---</u>	<u>36</u>	<u>1972</u>	<u>---</u>	<u>---</u>	<u>36</u>	<u>1970</u>
P14 <u>---</u>	<u>---</u>	<u>39</u>	<u>1975</u>	<u>---</u>	<u>---</u>	<u>39</u>	<u>1971</u>
P15 <u>---</u>	<u>---</u>	<u>42</u>	<u>1977</u>	<u>---</u>	<u>---</u>	<u>42</u>	<u>1972</u>
P16 <u>---</u>	<u>---</u>	<u>45</u>	<u>1979</u>	<u>---</u>	<u>---</u>	<u>45</u>	<u>1973</u>
P17 <u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>48</u>	<u>1974</u>
P18 <u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>51</u>	<u>1975</u>
P19 <u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>54</u>	<u>1975</u>
P20 <u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>57</u>	<u>1975</u>

TKT # 15749

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