



Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Monarch Oil & Gas Company Lease & Well No. Littler #1
Elevation 2061 Derrick Floor Formation Kansas City Effective Pay 3 Ft. Ticket No. 11514
Date 6-23-68 Sec. 28 Twp. 16s Range 19w County Rush State Kansas
Test Approved by Don Pate Western Representative Guy M. Knipe

Formation Test No. 1 O.K. Misrun Interval Tested From 3458' to 3480' Total Depth 3480'
Size Main Hole 7 7/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Packer Depth 3453 Ft. Size 6 3/4 Packer Depth 3458 Ft. Size 6 3/4
Straddle Yes No Conv. B.T. Damaged Yes No
Packer Depth Ft. Size

Tool Size 5 1/2"OD Tool Jt. Size 4 1/2"FH Anchor Length 22 Ft. Size 5 1/2"OD
RECORDERS Depth 3472 Ft. Clock No. 6806 Depth 3475 Ft. Clock No. 8475
Top Make Kuster Cap. 4150 No. 2604 Inside Bottom Make Kuster Cap. 4200 No. 1051 Inside
Below Straddle: Depth Clock No. Inside Depth Ft. Clock No. Outside
Top Make Cap. No. Inside Bottom Make Cap. No. Outside

Time Set Packer 11:12 A.M.
Tool Open I.F.P. From 11:15 M. to 11:45A.M. Hr. 30 Min. From (B) 19 P.S.I. To (C) 129 P.S.I.
Tool Closed I.C.I.P. From 11:45 M. to 12:15P. Hr. 30 Min. (D) 1204 P.S.I.
Tool Open F.F.P. From 12:15 M. to 1:45P. M. 1 Hr. 30 Min. From (E) 435 P.S.I. To (F) 144 P.S.I.
Tool Closed F.C.I.P. From 1:45 M. to 2:15P. M. Hr. 30 Min. (G) 435 P.S.I.
Initial Hydrostatic Pressure (A) 1894 P.S.I. Final Hydrostatic Pressure (H) 1844 P.S.I.

SURFACE	Size Choke	In.	Max. Press. P.S.I.	Time	Description of Flow
INFORMATION				M.	
				M.	
				M.	

BLOW Weak increased to good - 9 inches decreased to 6 inches at end of flow period Bottom Choke Size 3/4 In.
Did Well Flow Yes No Recovery Total Ft. 1200 feet muddy salt water

Reversed Out Yes No Mud Type Starch Viscosity 42 Weight 10.1 Water Loss 10.6 cc. Maximum Temp. 123 °F
Type Circ. Sub. Plug Did Tool Plug? Jars: Size Make Ser. No.
EXTRA EQUIPMENT: Dual Packers Yes Safety Joint Did Packer Hold? Yes Where?
Length Drill Pipe 2468 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 1012 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ft.
I. D. Drill Collars in. Length D.S.T. Tool 43 ft.

Remarks

WESTERN TESTING CO., INC.
Pressure Data

Date 6-23-68 Test Ticket No. 11514
 Recorder No. 2604 Capacity 4150 Location 3472 Ft.
 Clock No. 6806 Elevation 2061 Derrick Floor Well Temperature 123 °F

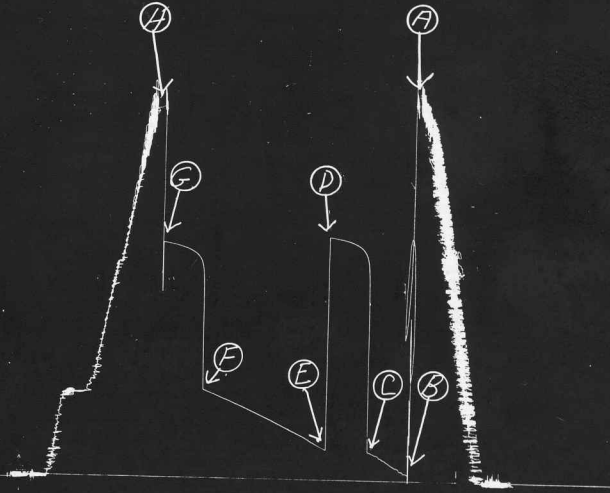
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1894</u> P.S.I.	Opened Tool	<u>11:12</u> A.M.	
B First Initial Flow Pressure	<u>19</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>29</u> Mins.
C First Final Flow Pressure	<u>129</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>32</u> Mins.
D Initial Closed-in Pressure	<u>1204</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>90</u> Mins.
E Second Initial Flow Pressure	<u>435</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>144</u> P.S.I.			
G Final Closed-in Pressure	<u>435</u> P.S.I.			
H Final Hydrostatic Mud	<u>1844</u> P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Press.	Initial Shut-In	Second Flow Pressure	Final Shut-In			
	Breakdown: <u>5</u> Inc. of <u>5</u> mins. and a final inc. of <u>4</u> Min.	Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>2</u> Min.	Breakdown: <u>18</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>-</u> Min.			
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>19</u>	<u>0</u>	<u>129</u>	<u>0</u>	<u>144</u>	<u>0</u>	<u>435</u>
P 2	<u>34</u>	<u>3</u>	<u>1029</u>	<u>5</u>	<u>155</u>	<u>3</u>	<u>1025</u>
P 3	<u>57</u>	<u>6</u>	<u>1127</u>	<u>10</u>	<u>176</u>	<u>6</u>	<u>1110</u>
P 4	<u>78</u>	<u>9</u>	<u>1152</u>	<u>15</u>	<u>198</u>	<u>9</u>	<u>1125</u>
P 5	<u>100</u>	<u>12</u>	<u>1165</u>	<u>20</u>	<u>217</u>	<u>12</u>	<u>1140</u>
P 6	<u>117</u>	<u>15</u>	<u>1179</u>	<u>25</u>	<u>236</u>	<u>15</u>	<u>1148</u>
P 7	<u>129</u>	<u>18</u>	<u>1186</u>	<u>30</u>	<u>253</u>	<u>18</u>	<u>1154</u>
P 8		<u>21</u>	<u>1194</u>	<u>35</u>	<u>271</u>	<u>21</u>	<u>1158</u>
P 9		<u>24</u>	<u>1198</u>	<u>40</u>	<u>290</u>	<u>24</u>	<u>1163</u>
P 10		<u>27</u>	<u>1200</u>	<u>45</u>	<u>305</u>	<u>27</u>	<u>1173</u>
P 11		<u>30</u>	<u>1202</u>	<u>50</u>	<u>322</u>	<u>30</u>	<u>1181</u>
P 12		<u>32</u>	<u>1204</u>	<u>55</u>	<u>339</u>		
P 13				<u>60</u>	<u>352</u>		
P 14				<u>65</u>	<u>369</u>		
P 15				<u>70</u>	<u>384</u>		
P 16				<u>75</u>	<u>397</u>		
P 17				<u>80</u>	<u>416</u>		
P 18				<u>85</u>	<u>425</u>		
P 19				<u>90</u>	<u>435</u>		
P 20							

MONARCH OIL & GAS COMPANY
LITTLE #1

T.K.T 11514
TEST #1



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1894	1804	PSI
(B) First Initial Flow Pressure	21	19	PSI
(C) First Final Flow Pressure	117	129	PSI
(D) Initial Closed-in Pressure	1202	1204	PSI
(E) Second Initial Flow Pressure	138	435	PSI
(F) Second Final Flow Pressure	427	144	PSI
(G) Final Closed-in Pressure	1181	435	PSI
(H) Final Hydrostatic Mud	1842	1844	PSI