


First Flow	30	Minutes	 BOMIN TESTING BOX 782 LIBERAL, KANSAS	Date	7-2-71	
First CIP	30	Minutes		Ticket No.	5104	
Second Flow	30	Minutes		DISTRICT	Woodward, Okla.	
Second CIP	30	Minutes		Kind of Job	Open Hole Test	
Depth Top Gauge	4180	Ft.	Blanked Off	No	CONTRACTOR	Servivice Drlg. Co.
Recorder No.	8216		12	Hr. Clock	HOLE & TOOL DATA	
Pressure Readings	Field		Office Corrected		Elevation	Top Packer Depth
Initial Hydro Mud Pressure	A-2103		2106		Total Depth	4189'
					Bottom Packer Depth	4154'
First Flow	B-45-121		41-143		Casing or Hole Size	7 7/8"
					Size & Type Wall Packer	6 3/4" B.T.
First CIP	C-944		947		Liner or Rathole Size	Size Bottom Choke 1/2"
Second Flow	D-145-290		167-274		Interval Tested	4154' 4189'
					Size Surface Choke	1"
Second CIP	E-968		923		Formation Tested	Lansing
					ID & Length Drill Collars	2 1/2" x 630'
Final Hydro Mud Pressure	F-2099		2099		Est. Gauge Depth Temp.	118
					Size Drill Pipe	4 1/2" x h
Depth Bottom Gauge	4189	Ft.	Blanked Off	Yes	MUD DATA Weight	Viscosity
Recorder No.	650		4	Hr. Clock	All depths measured from K.B.	No. Folders Reproduced 5
Pressure Readings	Field		Office Corrected		REMARKS: Opened tool, fair blow for	
Initial Hydro Mud Pressure					30 min. Closed tool for 30 min. ICIP.	
First Flow					Opened tool for 30 min. final flow	
First CIP					with fair blow. Closed tool for 30	
Second Flow					min. final shut in.	
Second CIP						
Final Hydro Mud Pressure						
Recovered	360		Feet of	Gas cut mud salt water		
Recovered	150		Feet of	Salt water		
Recovered			Feet of			
Recovered			Feet of			
Witnessed By	Frank O. Bennett					
Amount-Type of Cushion			Tester	J.C. Kime		

LOCATION Sec. 33-30B-33W

FIELD

COUNTY Haskell

STATE Kansas

Well No. 1

Lease Name

Test No.

Mahoney Drlg. Company

Lease Owner

Owners District

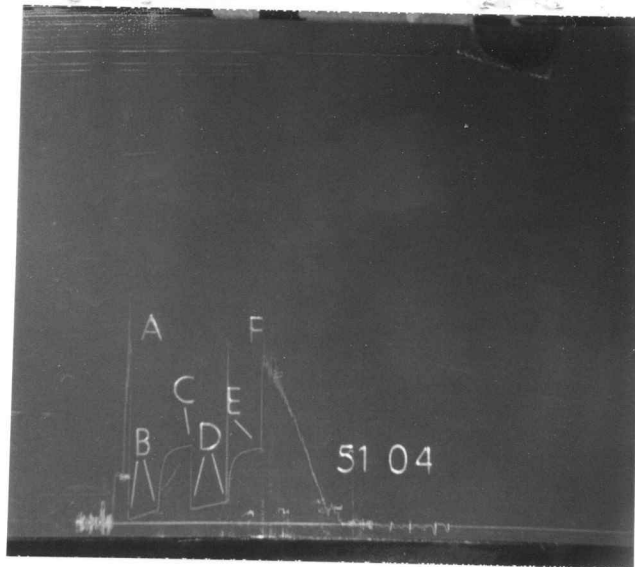
Net 111

1

1

4154-4159'

Tulsa, Okla.





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

Company Mallonee-Mahoney, Inc. Lease & Well No. Neill #1
Elevation 2942 Kelly Bushings Formation Cherokee Effective Pay _____ Ft. Ticket No. 15250
Date 7-5-71 Sec. 33 Twp. 30S Range 33W County Haskell State Kansas
Test Approved by Frank O. Bennett Western Representative Tom L. Brown

Formation Test No. 2 O.K. Misrun Interval Tested From 5068' to 5096' Total Depth 5096'
Size Main Hole 7 7/8" Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Packer Depth 5063 Ft. Size 6 3/4" Packer Depth 5068 Ft. Size 6 3/4"
Straddle Yes No Conv. B.T. Damaged Yes No

Packer Depth _____ Ft. Size _____
Tool Size 5 1/2" O.D. Tool Jt. Size 4 1/2" F.H. Anchor Length 28 Ft. Size 5 1/2" O.D.

RECORDERS Depth 5085 Ft. Clock No. 6897 Depth 5088 Ft. Clock No. 6895
Top Make Amerada Cap. 6200 No. 1562 Inside Outside Bottom Make Amerada Cap. 6600 No. 1564 Inside Outside
Below Straddle: Depth _____ Clock No. _____ Inside Outside Depth _____ Ft. Clock No. _____ Inside Outside
Top Make _____ Cap. _____ No. _____ Inside Outside Bottom Make _____ Cap. _____ No. _____ Inside Outside

Time Set Packer 12:22 A.M.
Tool Open I.F.P. From 12:25 M. to 12:58 M. Hr. 33 Min. From (B) 51 P.S.I. To (C) 56 P.S.I.
Tool Closed I.C.I.P. From 12:58 M. to 1:43 M. Hr. 45 Min. (D) 313 P.S.I.
Tool Open F.F.P. From 1:43 M. to 2:13 A.M. Hr. 30 Min. From (E) 60 P.S.I. To (F) 60 P.S.I.
Tool Closed F.C.I.P. From 2:13 M. to 2:58 A.M. Hr. 45 Min. (G) 159 P.S.I.
Initial Hydrostatic Pressure (A) 2454 P.S.I. Final Hydrostatic Pressure (H) 2433 P.S.I.

SURFACE Size Choke 3/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW 33 min. pre flow with weak to strong blow Bottom Choke Size 3/4 In.
Did Well Flow Yes No _____ Recovery Total Ft. (1375) 1335 feet gas in drill pipe
40 feet very heavy oil and gas cut mud (free oil in top of tool)

Reversed Out Yes No _____ Mud Type Chem. Viscosity 39 Weight 9.1 Water Loss 10.8 cc. Maximum Temp. 123 °F
Type Circ. Sub. Plug Did Tool Plug? No Jars: Size 4 3/4" Make WTC Ser. No. 406

EXTRA EQUIPMENT: Dual Packers Yes Safety Joint T.I.W. Did Packer Hold? Yes Where? _____
Length Drill Pipe 4331 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe _____ ft. I.D. Weight Pipe _____ in. Length Drill Collars 705 ft.
I. D. Drill Collars 2 1/4 in. Length D.S.T. Tool 60 ft. Pre test mud 8600 PPM Salt

Remarks Re-open tool with strong blow thru out test

WESTERN TESTING CO., INC.

Pressure Data

Date 7-5-71 Recorder No. 1562 Capacity 6200 Test Ticket No. 15250
 Clock No. 6897 Elevation 2942 Kelly Bushings Location 5085 Ft.
 Well Temperature 123 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2454</u> P.S.I.	Open Tool	<u>12:25A</u> M	
B First Initial Flow Pressure	<u>51</u> P.S.I.	First Flow Pressure	<u>33</u> Mins.	<u>33</u> Mins.
C First Final Flow Pressure	<u>56</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>313</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>31</u> Mins.
E Second Initial Flow Pressure	<u>60</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>60</u> P.S.I.			
G Final Closed-in Pressure	<u>159</u> P.S.I.			
H Final Hydrostatic Mud	<u>2433</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of 3 Min.

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

Second Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of 1 Min.


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

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>51</u>	<u>0</u>	<u>56</u>	<u>0</u>	<u>60</u>	<u>0</u>	<u>60</u>
P 2 <u>5</u>	<u>51</u>	<u>3</u>	<u>57</u>	<u>5</u>	<u>60</u>	<u>3</u>	<u>64</u>
P 3 <u>10</u>	<u>51</u>	<u>6</u>	<u>59</u>	<u>10</u>	<u>60</u>	<u>6</u>	<u>81</u>
P 4 <u>15</u>	<u>53</u>	<u>9</u>	<u>67</u>	<u>15</u>	<u>60</u>	<u>9</u>	<u>96</u>
P 5 <u>20</u>	<u>53</u>	<u>12</u>	<u>81</u>	<u>20</u>	<u>60</u>	<u>12</u>	<u>108</u>
P 6 <u>25</u>	<u>55</u>	<u>15</u>	<u>105</u>	<u>25</u>	<u>60</u>	<u>15</u>	<u>117</u>
P 7 <u>30</u>	<u>55</u>	<u>18</u>	<u>123</u>	<u>30</u>	<u>60</u>	<u>18</u>	<u>130</u>
P 8 <u>33</u>	<u>56</u>	<u>21</u>	<u>138</u>	<u>31</u>	<u>60</u>	<u>21</u>	<u>139</u>
P 9 <u> </u>	<u> </u>	<u>24</u>	<u>153</u>	<u> </u>	<u> </u>	<u>24</u>	<u>144</u>
P10 <u> </u>	<u> </u>	<u>27</u>	<u>168</u>	<u> </u>	<u> </u>	<u>27</u>	<u>150</u>
P11 <u> </u>	<u> </u>	<u>30</u>	<u>174</u>	<u> </u>	<u> </u>	<u>30</u>	<u>154</u>
P12 <u> </u>	<u> </u>	<u>33</u>	<u>192</u>	<u> </u>	<u> </u>	<u>33</u>	<u>156</u>
P13 <u> </u>	<u> </u>	<u>36</u>	<u>223</u>	<u> </u>	<u> </u>	<u>36</u>	<u>157</u>
P14 <u> </u>	<u> </u>	<u>39</u>	<u>250</u>	<u> </u>	<u> </u>	<u>39</u>	<u>158</u>
P15 <u> </u>	<u> </u>	<u>42</u>	<u>277</u>	<u> </u>	<u> </u>	<u>42</u>	<u>159</u>
P16 <u> </u>	<u> </u>	<u>45</u>	<u>313</u>	<u> </u>	<u> </u>	<u>45</u>	<u>159</u>
P17 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P18 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P19 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P20 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

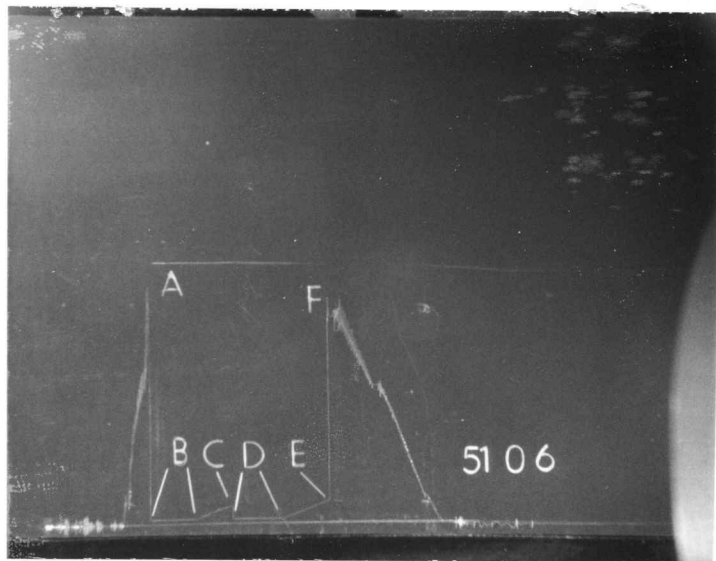


This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2313	2454	PSI
(B) First Initial Flow Pressure	56	51	PSI
(C) First Final Flow Pressure	64	56	PSI
(D) Initial Closed-in Pressure	301	313	PSI
(E) Second Initial Flow Pressure	64	60	PSI
(F) Second Final Flow Pressure	67	60	PSI
(G) Final Closed-in Pressure	152	159	PSI
(H) Final Hydrostatic Mud	2300	2433	PSI

First Flow	45	Minutes	 BOMIN TESTING BOX 782 LIBERAL, KANSAS	Date	7-7-71
First CIP	45	Minutes		Ticket No.	5106
Second Flow	45	Minutes		DISTRICT	Woodward, Okla.
Second CIP	45	Minutes		Kind of Job	Open Hole Test
Depth Top Gauge	5340	Ft.	Blanked Off	No	CONTRACTOR
			Service Drlg. Company		
Recorder No.	8216		12	Hr. Clock	HOLE & TOOL DATA
Pressure Readings	Field		Office Corrected		Elevation
			2942'		
Initial Hydro Mud Pressure	A-2720		2724		Top Packer Depth
			5315'		
First Flow	B-24-36		36-46		Total Depth
			5415'		
First CIP	C-145		206		Bottom Packer Depth
			5320'		
Second Flow	D-48-48		46-46		Casing or Hole Size
			7 7/8"		
Second CIP	E-266		266		Size & Type Wall Packer
			6 3/4" B.T.		
Final Hydro Mud Pressure	F-2708		2710		Liner or Rathole Size
			1/2"		
Depth Bottom Gauge	5415	Ft.	Blanked Off	Yes	Interval Tested
			5320'		
			5415'		
Recorder No.	650		4	Hr. Clock	Formation Tested
			Morrow		
Pressure Readings	Field		Office Corrected		ID & Length Drill Collars
			2 1/2" x 670'		
Initial Hydro Mud Pressure					Est. Gauge Depth Temp.
			124		
First Flow					Size Drill Pipe
			4 1/2" xh		
First CIP					MUD DATA Weight
			9.5		
Second Flow					Viscosity
			41		
Second CIP					All depths measured from
			K.B.		
Final Hydro Mud Pressure					No. Folders Reproduced
			5		
REMARKS: Opened tool for 45 min. pre-flow with fair blow increasing to good. Closed tool for 45 min. ICIP.					
Opened tool for 45 min. final flow with a fair to good blow. Closed tool for 45 min. final shut in.					
Recovered 90 Feet of Oil & gas cut mud					
Recovered Feet of					
Recovered Feet of					
Recovered Feet of					
Witnessed By Frank O. Bennett					
Amount-Type of Cushion			Tester J.C. Kime		

Well No. 1
 Lease Name Nellie
 Test No. 5320-5415
 Lease Owner Mahoney, Inc.
 Owners District Liberal, Kansas
 COUNTY Haskell
 STATE Kansas



5106