



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

Company Messman-Rinehart Oil Co. Lease & Well No. Munson # 1

Elevation 2549 Kelly Bushing Formation Burlingame Effective Pay _____ Ft. Ticket No. 11961

Date 3-24-69 Sec. 24 Twp. 4s Range 27w County Decatur State Kansas

Test Approved by Bill Iversen Western Representative Kenneth Cheney

Formation Test No. 1 O.K. Misrun _____ Interval Tested From 3177' to 3230' Total Depth 3230

Size Main Hole 7 7/8 Rat Hole _____ Conv. _____ B.T. Damaged _____ Yes No Conv. B.T. _____ Damaged _____ Yes No

Top Packer Depth 3172 Ft. Size 6 3/4 Packer Depth 3177 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 853 Ft. Size 5 1/2" OD

RECORDERS Depth 3223 Ft. Clock No. 6892 Depth 3225 Ft. Clock No. 6894

Top Make Kuster Cap. 4150 No. 2607 ~~Inside~~ Outside Bottom Make Kuster Cap. 4150 No. 969 ~~Inside~~ Outside

Below Straddle: Depth _____ Clock No. _____ Inside Depth _____ Ft. Clock No. _____ Outside

Top Make _____ Cap. _____ No. _____ Inside Bottom Make _____ Cap. _____ No. _____ Outside

Time Set Packer 11:58P M

Tool Open I.F.P. From 12:00 M. to 1:30P M. Hr. 30 Min. From (B) 4 P.S.I. To (C) - P.S.I.

Tool Closed I.C.I.P. From 1:30 M. to 2:00P M. Hr. 30 Min. (D) 1112 P.S.I.

Tool Open F.F.P. From 2:00 M. to 3:00P M. 1 Hr. - Min. From (E) 56 P.S.I. To (F) 56 P.S.I.

Tool Closed F.C.I.P. From 3:00 M. to 4:00P M. 1 Hr. - Min. (G) 1117 P.S.I.

Initial Hydrostatic Pressure (A) 1838 P.S.I. Final Hydrostatic Pressure (H) 1800 P.S.I.

SURFACE Size Choke 3/8 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____

INFORMATION _____ M. _____

_____ M. _____

_____ M. _____

BLOW Strong intermitten thru out test Bottom Choke Size 3/4 In.

Did Well Flow Yes No Recovery Total Ft. 180 feet gas in pipe--15feet free oil--110 feet muddy oil--

(55% oil and 62% oil)

Reversed Out Yes No Mud Type chem Viscosity 37 Weight 10.1 Water Loss 11.0 cc. Maximum Temp. 102 °F

Type Circ. Sub. plug Did Tool Plug? partly Jars: Size _____ Make _____ Ser. No. _____

EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Did Packer Hold? yes Where? _____

Length Drill Pipe 2039 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 836 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 192 ft.

I. D. Drill Collars 2.7 in. Length D.S.T. Tool 73 ft.

Remarks 35° gravity

WESTERN TESTING CO., INC.
Pressure Data

Date 3-24-69 Test Ticket No. 11961
 Recorder No. 2607 Capacity 4150 Location 3223 Ft.
 Clock No. 6892 Elevation 2549 Kelly Bushing Well Temperature 102 °F

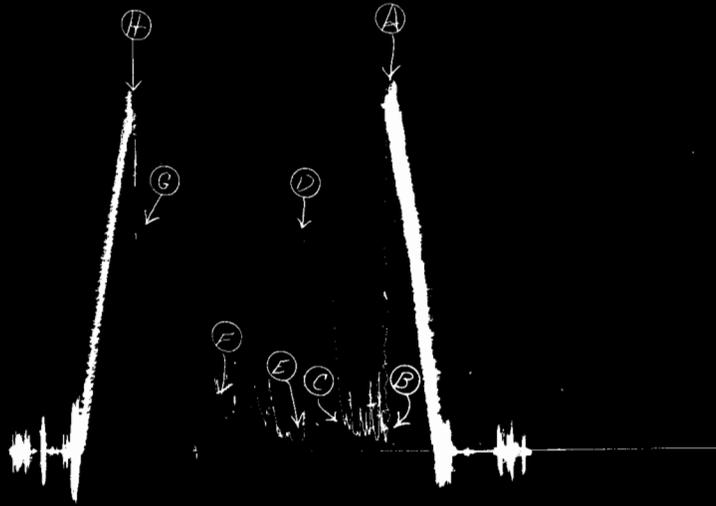
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1838</u> P.S.I.	Open Tool	<u>11:58P</u> M	
B First Initial Flow Pressure	<u>4</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>-</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1112</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>56</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>56</u> P.S.I.			
G Final Closed-in Pressure	<u>1117</u> P.S.I.			
H Final Hydrostatic Mud	<u>1800</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>1</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>2</u> Inc.		Breakdown: <u>20</u> Inc.	
of _____ 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 _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>48</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>56</u>	<u>0</u>	<u>0</u>
P 2 <u>5</u>	<u>to much plugging</u>	<u>3</u>	<u>239</u>	<u>5</u>	<u>56</u>	<u>3</u>	<u>385</u>
P 3 <u>10</u>	<u>action for P.S.I.</u>	<u>6</u>	<u>451</u>	<u>10</u>	<u>56</u>	<u>6</u>	<u>549</u>
P 4 <u>15</u>	<u>breakdown</u>	<u>9</u>	<u>716</u>	<u>15</u>	<u>to much plugging</u>	<u>9</u>	<u>731</u>
P 5 <u>20</u>		<u>12</u>	<u>935</u>	<u>20</u>	<u>action for P.S.I.</u>	<u>12</u>	<u>862</u>
P 6 <u>25</u>		<u>15</u>	<u>1018</u>	<u>25</u>	<u>breakdown</u>	<u>15</u>	<u>945</u>
P 7 _____		<u>18</u>	<u>1055</u>	<u>30</u>		<u>18</u>	<u>990</u>
P 8 _____		<u>21</u>	<u>1077</u>	<u>35</u>		<u>21</u>	<u>1016</u>
P 9 _____		<u>24</u>	<u>1094</u>	<u>40</u>		<u>24</u>	<u>1033</u>
P10 _____		<u>27</u>	<u>1104</u>	<u>45</u>		<u>27</u>	<u>1050</u>
P11 _____		<u>30</u>	<u>1112</u>	<u>50</u>		<u>30</u>	<u>1060</u>
P12 _____				<u>55</u>		<u>33</u>	<u>1071</u>
P13 _____						<u>36</u>	<u>1079</u>
P14 _____						<u>39</u>	<u>1085</u>
P15 _____						<u>42</u>	<u>1091</u>
P16 _____						<u>45</u>	<u>1096</u>
P17 _____						<u>48</u>	<u>1102</u>
P18 _____						<u>51</u>	<u>1106</u>
P19 _____						<u>54</u>	<u>1111</u>
P20 _____						<u>57</u>	<u>1114</u>
						<u>60</u>	<u>1117</u>

Messman Kinchert Oil Co
 Munson #1

TH. F. 11961
 Test #1



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1878	1838	PSI
(B) First Initial Flow Pressure	42	4	PSI
(C) First Final Flow Pressure	126	-	PSI
(D) Initial Closed-in Pressure	1108	1112	PSI
(E) Second Initial Flow Pressure	52	56	PSI
(F) Second Final Flow Pressure	170	56	PSI
(G) Final Closed-in Pressure	1108	1117	PSI
(H) Final Hydrostatic Mud	1850	1800	PSI

IND WELL NO. 1
 MUNSON #1
 SEC. 4
 TWP. 4
 R. 4
 DATE 2/21



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

Company Messman-Rinehart Oil Co. Lease & Well No. Munson # 1
Elevation 2549 Kelly Bushing Formation Topeka Effective Pay _____ Ft. Ticket No. 11963
Date 3-25-69 Sec. 24 Twp. 48 Range 27w County Decatur State Kansas
Test Approved by Bill Iversen Western Representative W. C. Craig

Formation Test No. 3 O.K. Misrun _____ Interval Tested From 3298' to 3307' Total Depth 3307'
Size Main Hole 7 7/8 at Ho'e _____ Conv. _____ B.T. Damaged _____ Yes No Conv. B.T. _____ Damaged _____ Yes No
Top Packer Depth 3293 Ft. Size 6 3/4 Packer Depth 3298 Ft. Size 6 3/4
Straddle _____ Yes _____ No Conv. _____ B.T. _____ Damaged _____ Yes _____ No

Tool Size 5 1/2" OD Tool Jt. Size 4 1/2" PH Anchor Length 9 Ft. Size 5 1/2" OD

RECORDERS AP Depth 3289 Ft. Clock No. 6892 Depth 3304 Ft. Clock No. 6894
Top Make Kuster Cap. 4150 No. 2607 Inside Outside Bottom Make Kuster Cap. 4150 No. 969 Inside Outside
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____ Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Time Set Packer 1:28P M
Tool Open I.F.P. From 1:30 M. to 2:00P M. Hr. 30 Min. From (B) 44 P.S.I. To (C) 139 P.S.I.
Tool Closed I.C.I.P. From 2:00 M. to 2:30P M. Hr. 30 Min. (D) 1204 P.S.I.
Tool Open F.F.P. From 2:30 M. to 3:30P M. Hr. 60 Min. From (E) 145 P.S.I. To (F) 319 P.S.I.
Tool Closed F.C.I.P. From 3:30 M. to 4:30P M. Hr. 60 Min. (G) 1204 P.S.I.
Initial Hydrostatic Pressure (A) 1763 P.S.I. Final Hydrostatic Pressure (H) 1739 P.S.I.

SURFACE Size Choke 3/8 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW Strong thru out test Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes No _____ Recovery Total 75 feet mud and water---558 feet salt water

Reversed Out _____ Yes _____ No _____ Mud Type chem Viscosity 46 Weight 10 Water Loss 9.8 cc. Maximum Temp. 102 °F
Type Circ. Sub. plug Did Tool Plug? no Jars: Size _____ Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Did Packer Hold? yes Where? _____
Length Drill Pipe 224.6 ft. I.D. Drill Pipe 3.8 Length Weight Pipe 836 ft. I.D. Weight Pipe 1.7 in. Length Drill Collars 192 ft.
I. D. Drill Collars 2.5 in. Length D.S.T. Tool 33 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date 3-25-69 Test Ticket No. 11963
 Recorder No. 2607 Capacity 4150 Location 3288 Ft.
 Clock No. 6892 Elevation 2549 Kelly Bushing Well Temperature 102 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1763</u>	P.S.I.	<u>1:28P</u> M	
B First Initial Flow Pressure	<u>44</u>	P.S.I.	<u>30</u> Mins.	<u>29</u> Mins.
C First Final Flow Pressure	<u>139</u>	P.S.I.	<u>30</u> Mins.	<u>29</u> Mins.
D Initial Closed-in Pressure	<u>145</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>319</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>1204</u>	P.S.I.		
G Final Closed-in Pressure	<u>1739</u>	P.S.I.		
H Final Hydrostatic Mud		P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 5 Inc.
 of 5 mins. and a
 final inc. of 4 Min.

Initial Shut-In
 Breakdown: 9 Inc.
 of 3 mins. and a
 final inc. of 2 Min.

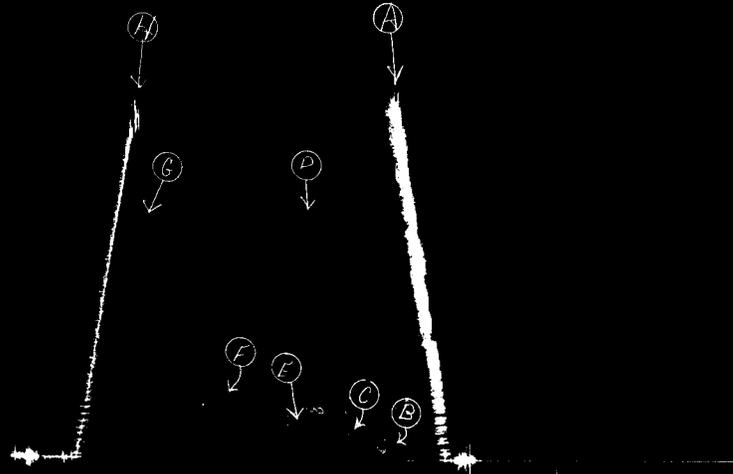
Second Flow Pressure
 Breakdown: 12 Inc.
5 of 5 mins. and a
 final inc. of _____ Min.

Final Shut-In
 Breakdown: 20 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>44</u>	<u>0</u>	<u>139</u>	<u>0</u>	<u>145</u>	<u>0</u>	<u>319</u>
P 2 <u>5</u>	<u>56</u>	<u>3</u>	<u>1060</u>	<u>5</u>	<u>155</u>	<u>3</u>	<u>960</u>
P 3 <u>10</u>	<u>63</u>	<u>6</u>	<u>1131</u>	<u>10</u>	<u>169</u>	<u>6</u>	<u>1086</u>
P 4 <u>15</u>	<u>87</u>	<u>9</u>	<u>1154</u>	<u>15</u>	<u>188</u>	<u>9</u>	<u>1121</u>
P 5 <u>20</u>	<u>109</u>	<u>12</u>	<u>1172</u>	<u>20</u>	<u>201</u>	<u>12</u>	<u>1137</u>
P 6 <u>25</u>	<u>129</u>	<u>15</u>	<u>1181</u>	<u>25</u>	<u>218</u>	<u>15</u>	<u>1148</u>
P 7 <u>29</u>	<u>139</u>	<u>18</u>	<u>1190</u>	<u>30</u>	<u>232</u>	<u>18</u>	<u>1156</u>
P 8 _____	_____	<u>21</u>	<u>1196</u>	<u>35</u>	<u>247</u>	<u>21</u>	<u>1165</u>
P 9 _____	_____	<u>24</u>	<u>1202</u>	<u>40</u>	<u>264</u>	<u>24</u>	<u>1169</u>
P10 _____	_____	<u>27</u>	<u>1208</u>	<u>45</u>	<u>277</u>	<u>27</u>	<u>1175</u>
P11 _____	_____	<u>29</u>	<u>1204</u>	<u>50</u>	<u>290</u>	<u>30</u>	<u>1179</u>
P12 _____	_____	_____	_____	<u>55</u>	<u>307</u>	<u>33</u>	<u>1182</u>
P13 _____	_____	_____	_____	<u>60</u>	<u>319</u>	<u>36</u>	<u>1185</u>
P14 _____	_____	_____	_____	<u>68</u>	<u>328</u>	<u>39</u>	<u>1188</u>
P15 _____	_____	_____	_____	_____	_____	<u>42</u>	<u>1191</u>
P16 _____	_____	_____	_____	_____	_____	<u>45</u>	<u>1194</u>
P17 _____	_____	_____	_____	_____	_____	<u>48</u>	<u>1197</u>
P18 _____	_____	_____	_____	_____	_____	<u>51</u>	<u>1200</u>
P19 _____	_____	_____	_____	_____	_____	<u>54</u>	<u>1202</u>
P20 _____	_____	_____	_____	_____	_____	<u>57</u>	<u>1203</u>
						<u>60</u>	<u>1204</u>

Messman-Rinehart Co.
MUNSON #1

TKT-11963
Test #3



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1741	1763	PSI
(B) First Initial Flow Pressure	52	44	PSI
(C) First Final Flow Pressure	137	139	PSI
(D) Initial Closed-in Pressure	1196	1204	PSI
(E) Second Initial Flow Pressure	148	145	PSI
(F) Second Final Flow Pressure	317	319	PSI
(G) Final Closed-in Pressure	1206	1204	PSI
(H) Final Hydrostatic Mud	1731	1739	PSI

COMPANY Messman-Rinehart Co. LEASE AND WELL NO. Munson #1 SEC. 20 TWP. 45 RGE. 27N TEST NO. 3 DATE 3-25-69



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

Company Messman-Rinehart Oil Co. Lease & Well No. Minson # 1
Elevation 2549 Kelly Bushing Formation Kansas City Effective Pay _____ Ft. Ticket No. 11964
Date 3-26-69 Sec. 24 Twp. 4# Range 27w County Decatur State Kansas
Test Approved by Bill Iversen Western Representative W. C. Cragi

Formation Test No. 4 O.K. Misrun _____ Interval Tested From 3461' to 3540' Total Depth 3540'
Size Main Hole 7 7/8 at Ho'c _____ Conv. _____ B.T. Damaged _____ Yes No Conv. B.T. _____ Damaged _____ Yes No
Top Packer Depth 3456 Ft. Size 6 3/4 Packer Depth 3461 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 79 Ft. Size 48FI 5 1/2" OD 1 joint DP

RECORDERS Depth 3535 Ft. Clock No. 6892 Depth 3538 Ft. Clock No. 6894
Top Make Kuster Cap. 4150 No. 2607 ~~Inside~~ Outside Bottom Make Kuster Cap. 4150 No. 969 ~~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 1:18P M
Tool Open I.F.P. From 1:20 M. to 1:50P M. Hr. 30 Min. From (B) 105 P.S.I. To (C) 196 P.S.I.
Tool Closed I.C.I.P. From 1:50 M. to 2:20P M. Hr. 30 Min. (D) 1165 P.S.I.
Tool Open F.F.P. From 2:20 M. to 3:20P M. Hr. 60 Min. From (E) 218 P.S.I. To (F) 296 P.S.I.
Tool Closed F.C.I.P. From 3:20 M. to 4:20P M. Hr. 60 Min. (G) 1145 P.S.I.
Initial Hydrostatic Pressure (A) 1865 P.S.I. Final Hydrostatic Pressure (H) 1857 P.S.I.

SURFACE Size Choke 3/8 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW Fair increasing to strong Bottom Choke Size 3/4 In.
Did Well Flow Yes No _____ Recovery Total Ft. 496 feet gas in pipe - 248 feet oil out mud - 434 Froggie oil

Reversed Out Yes _____ No _____ Mud Type chem Viscosity 43 Weight 10.1 Water Loss 9.8 cc. Maximum Temp. 108 °F
Type Circ. Sub. plug Did Tool Plug? no Jars: Size _____ Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Did Packer Hold? yes Where? _____
Length Drill Pipe 2413 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 836 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 192 ft.
I. D. Drill Collars 2.5 in. Length D.S.T. Tool 99 ft.

Remarks Skid 10 feet to bottom

WESTERN TESTING CO., INC.
Pressure Data

Date 3-26-69 Test Ticket No. 11964
 Recorder No. 2607 Capacity 4150 Location 3535 Ft.
 Clock No. 6892 Elevation 2549 Kelly Bushing Well Temperature 108 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1865 P.S.I.	Open Tool	1:18P M	
B First Initial Flow Pressure	105 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	196 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	1165 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	218 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	296 P.S.I.			
G Final Closed-in Pressure	1145 P.S.I.			
H Final Hydrostatic Mud	1857 P.S.I.			

PRESSURE BREAKDOWN

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

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

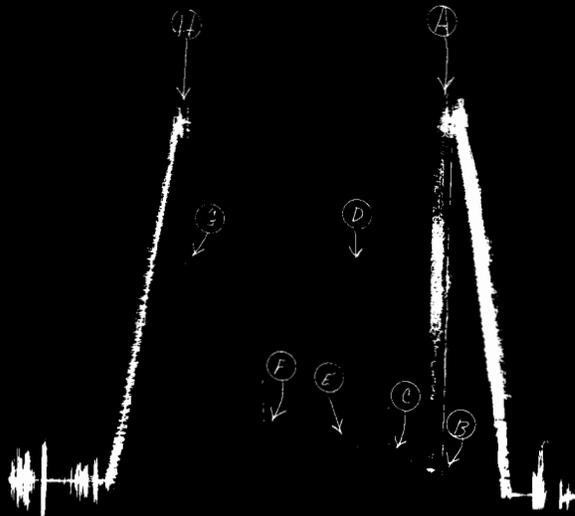
Second Flow Pressure
 Breakdown: 12 Inc.
 of 5 mins. and a
 final inc. of _____ Min.

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

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1	0	105	0	196	0	218	0	296
P 2	5	135	3	402	5	222	3	535
P 3	10	152	6	422	10	230	6	830
P 4	15	167	9	983	15	835	9	970
P 5	20	177	12	1064	20	239	12	1016
P 6	25	188	15	1102	25	216	15	1043
P 7	30	196	18	1121	30	251	18	1062
P 8			21	1136	35	262	21	1077
P 9			24	1148	40	268	24	1087
P10			27	1156	45	277	27	1096
P11			30	1165	50	283	30	1106
P12					55	292	33	1112
P13					60	296	36	1118
P14							39	1123
P15							42	1127
P16							45	1132
P17							48	1135
P18							51	1139
P19							54	1143
P20							57	1146
							60	1145

Messman Rinchart Oil Co
 MUNSON #1

THI-11964
 Test #4



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1846	1865	PSI
(B) First Initial Flow Pressure	116	105	PSI
(C) First Final Flow Pressure	190	196	PSI
(D) Initial Closed-in Pressure	1154	1165	PSI
(E) Second Initial Flow Pressure	222	218	PSI
(F) Second Final Flow Pressure	285	296	PSI
(G) Final Closed-in Pressure	1133	1145	PSI
(H) Final Hydrostatic Mud	1857	1857	PSI

COMPANY Messman-Rinchart Oil Co. LEASE AND WELL NO. Munson #1 SEC. 24 TWP. 4S RGE. 27W TEST NO. 4 DATE 2-26-69



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

Company Messman-Rinehart Oil Co. Lease & Well No. Munson # 1
Elevation 2549 Kelly Bushing Formation Kansas City Effective Pay _____ Ft. Ticket No. 11965
Date 3-27-69 Sec. 24 Twp. 4S Range 27W County Decatur State Kansas
Test Approved by Bill Iversen Western Representative W.C. Craig

Formation Test No. 5 O.K. Misrun _____ Interval Tested From 3540' to 3560' Total Depth 3560'
Size Main Hoic. 7 7/8 Rat Hoic. _____ Conv. _____ B.T. Damaged _____ Yes No Conv. B.T. _____ Damaged _____ Yes No
Top Packer Depth 3535 Ft. Size 6 3/4 Packer Depth 3540 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 20 Ft. Size 5 1/2"OD

RECORDERS Depth 3555 Ft. Clock No. 6892 Depth 3558 Ft. Clock No. 6894
Top Make Kuster Cap 4150 No. 2607 ~~Inside~~ Outside Bottom Make Kuster Cap 4150 No. 969 ~~Inside~~ Outside
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap _____ No. _____ Inside _____ Outside _____
Bottom Make _____ Cap _____ No. _____ Inside _____ Outside _____

Time Set Packer 4:28 M
Tool Open I.F.P. From 4:30 M. to 5:00A M. Hr. 30 Min. From (B) 124 P.S.I. To (C) 302 P.S.I.
Tool Closed I.C.I.P. From 5:00 M. to 5:30A M. Hr. 30 Min. (D) 1150 P.S.I.
Tool Open F.F.P. From 5:30 M. to 6:30A M. 1 Hr. - Min. From (E) 338 P.S.I. To (F) 539 P.S.I.
Tool Closed F.C.I.P. From 6:30 M. to 7:30A M. 1 Hr. - Min. (G) 1141 P.S.I.
Initial Hydrostatic Pressure (A) 1750 P.S.I. Final Hydrostatic Pressure (H) 1736 P.S.I.

SURFACE Size Choke 3/8 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW Strong thru out test Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes No _____ Recovery Total Ft. 130 feet gas in pipe--496 feet muddy cut oil--434 feet
oil & gas cut water--248 feet salt water

Reversed Out _____ Yes No _____ Mud Type chem Viscosity 39 Weight 9.9 Water Loss 9.9 cc. Maximum Temp. 112 °F
Type Circ. Sub. plug Did Tool Plug? no Jars: Size _____ Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Did Packer Hold? yes Where? _____
Length Drill Pipe 2492 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 836 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 192 ft.
I. D. Drill Collars 2.5 in. Length D.S.T. Tool 40 ft.

Remarks Slid tool 10 feet to bottom

WESTERN TESTING CO., INC.
Pressure Data

Date 3-27-69 Test Ticket No. 11965
 Recorder No. 2607 Capacity _____ Location 3555 Ft.
 Clock No. 6892 Elevation 2544 Kelly Bushing Well Temperature 112 °F

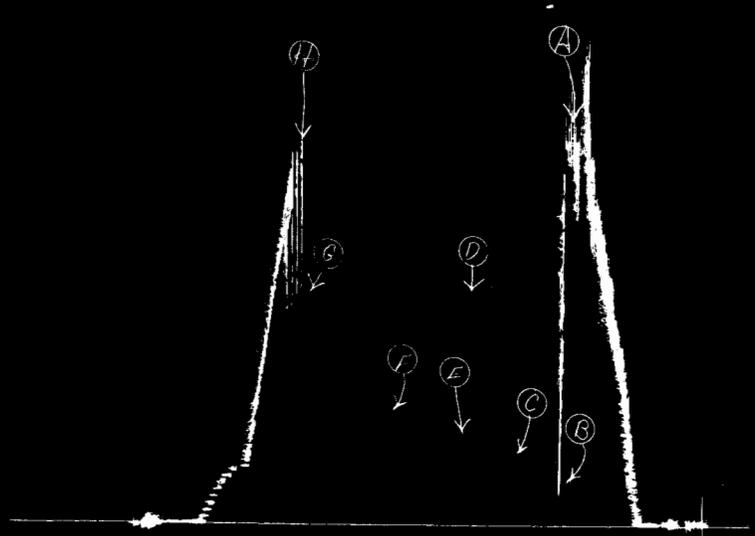
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1750</u> P.S.I.	Open Tool	<u>4:28A</u> M	
B First Initial Flow Pressure	<u>124</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>302</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1150</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>338</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>539</u> P.S.I.			
G Final Closed-in Pressure	<u>1141</u> P.S.I.			
H Final Hydrostatic Mud	<u>1736</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>20</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 _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>0</u>	<u>0</u>	<u>302</u>	<u>0</u>	<u>338</u>	<u>0</u>	<u>539</u>
P 2	<u>5</u>	<u>3</u>	<u>935</u>	<u>5</u>	<u>340</u>	<u>3</u>	<u>924</u>
P 3	<u>10</u>	<u>6</u>	<u>1016</u>	<u>10</u>	<u>368</u>	<u>6</u>	<u>985</u>
P 4	<u>15</u>	<u>9</u>	<u>1052</u>	<u>15</u>	<u>398</u>	<u>9</u>	<u>1014</u>
P 5	<u>20</u>	<u>12</u>	<u>1079</u>	<u>20</u>	<u>425</u>	<u>12</u>	<u>1033</u>
P 6	<u>25</u>	<u>15</u>	<u>1096</u>	<u>25</u>	<u>451</u>	<u>15</u>	<u>1052</u>
P 7	<u>30</u>	<u>18</u>	<u>1110</u>	<u>30</u>	<u>473</u>	<u>18</u>	<u>1064</u>
P 8		<u>21</u>	<u>1125</u>	<u>35</u>	<u>487</u>	<u>21</u>	<u>1075</u>
P 9		<u>24</u>	<u>1133</u>	<u>40</u>	<u>500</u>	<u>24</u>	<u>1085</u>
P10		<u>27</u>	<u>1144</u>	<u>45</u>	<u>512</u>	<u>27</u>	<u>1095</u>
P11		<u>30</u>	<u>1150</u>	<u>50</u>	<u>522</u>	<u>30</u>	<u>1100</u>
P12				<u>55</u>	<u>532</u>	<u>33</u>	<u>1106</u>
P13				<u>60</u>	<u>539</u>	<u>36</u>	<u>1112</u>
P14						<u>39</u>	<u>1118</u>
P15						<u>42</u>	<u>1126</u>
P16						<u>45</u>	<u>1129</u>
P17						<u>48</u>	<u>1131</u>
P18						<u>51</u>	<u>1133</u>
P19						<u>54</u>	<u>1135</u>
P20						<u>57</u>	<u>1138</u>
						<u>60</u>	<u>1141</u>

Messman Rinehart Oil Co.
Munson #1

TST-11765
Test #5



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1563	1750	PSI
(B) First Initial Flow Pressure	137	124	PSI
(C) First Final Flow Pressure	296	302	PSI
(D) Initial Closed-in Pressure	1154	1150	PSI
(E) Second Initial Flow Pressure	338	338	PSI
(F) Second Final Flow Pressure	539	539	PSI
(G) Final Closed-in Pressure	1154	1141	PSI
(H) Final Hydrostatic Mud	1573	1736	PSI



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

Company Messman-Rinehart Oil Company Lease & Well No. Munson #1
Elevation 2549 Kelly Bushing Formation Kansas City Effective Pay _____ Ft. Ticket No. 11906
Date 3-27-69 Sec. 24 Twp. 4s Range 27W County Decatur State Kansas
Test Approved by Bill Iversen Western Representative W. C. Craig

Formation Test No. 6 O.K. Misrun _____ Interval Tested From 3568' to 3667' Total Depth 3667'
Size Main Hole 7 7/8 Rat Hole _____ Conv. _____ B.T. Damaged _____ Yes No Conv. B.T. _____ Damaged _____ Yes No
Top Packer Depth 3563 Ft. Size 6 3/4" Packer Depth 3568 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 99 Ft. Size 37'-5 1/2" O.D. - 2 joint D.P

RECORDERS Depth 3662 Ft. Clock No. 6892 Depth 3665 Ft. Clock No. 6894
Top Make Kuster Cap. 4150 No. 2607 Inside Outside Bottom Make Kuster Cap. 4150 No. 969 Inside Outside
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____
Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Time Set Packer 9:53 P.M.
Tool Open I.F.P. From 9:55 M. to 10:25P.M. Hr. 30 Min. From (B) 112 P.S.I. To (C) 118 P.S.I.
Tool Closed I.C.I.P. From 10:25 M. to 10:55P.M. Hr. 30 Min. (D) 1206 P.S.I.
Tool Open F.F.P. From 10:55 M. to 11:25P.M. Hr. 30 Min. From (E) 126 P.S.I. To (F) 131 P.S.I.
Tool Closed F.C.I.P. From 11:25 M. to 12:25A.M. Hr. 60 Min. (G) 1258 P.S.I.
Initial Hydrostatic Pressure (A) 1829 P.S.I. Final Hydrostatic Pressure (H) 1821 P.S.I.

SURFACE Size Choke 3/8 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW Fair decreasing to weak for 35 minutes Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes No _____ Recovery Total Ft. 140 feet drilling mud

Reversed Out _____ Yes No _____ Mud Type Chem. Viscosity 46 Weight 9.9 Water Loss 10.1 cc. Maximum Temp. 106 °F
Type Circ. Sub. Plug Did Tool Plug? NO Jars: Size _____ Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers Yes Safety Joint NO Did Packer Hold? Yes Where? _____
Length Drill Pipe 2520 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 836 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 192 ft.
I. D. Drill Collars 2.5 in. Length D.S.T. Tool 110 ft.

Remarks Slid tool 10 feet to bottom - Flush tool after 5 minutes final flow

WESTERN TESTING CO., INC.
Pressure Data

Date 3-27-69 Test Ticket No. 11966
 Recorder No. 2607 Capacity 4150 Location 3662 Ft.
 Clock No. 6892 Elevation 2549 Kelly Bushing Well Temperature 106 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1829</u> P.S.I.	Open Tool	<u>9:53</u> P _M	
B First Initial Flow Pressure	<u>112</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>118</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1206</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>126</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>131</u> P.S.I.			
G Final Closed-in Pressure	<u>1253</u> P.S.I.			
H Final Hydrostatic Mud	<u>1321</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>20</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 _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>112</u>	<u>0</u>	<u>118</u>	<u>0</u>	<u>126</u>	<u>0</u>	<u>131</u>
P 2 <u>5</u>	<u>113</u>	<u>3</u>	<u>249</u>	<u>5</u>	<u>127</u>	<u>3</u>	<u>349</u>
P 3 <u>10</u>	<u>114</u>	<u>6</u>	<u>493</u>	<u>10</u>	<u>128</u>	<u>6</u>	<u>574</u>
P 4 <u>15</u>	<u>116</u>	<u>9</u>	<u>672</u>	<u>15</u>	<u>129</u>	<u>9</u>	<u>766</u>
P 5 <u>20</u>	<u>117</u>	<u>12</u>	<u>814</u>	<u>20</u>	<u>130</u>	<u>12</u>	<u>912</u>
P 6 <u>25</u>	<u>118</u>	<u>15</u>	<u>954</u>	<u>25</u>	<u>130</u>	<u>15</u>	<u>1006</u>
P 7 <u>30</u>	<u>118</u>	<u>18</u>	<u>1048</u>	<u>30</u>	<u>131</u>	<u>18</u>	<u>1069</u>
P 8 _____		<u>21</u>	<u>1102</u>			<u>21</u>	<u>1121</u>
P 9 _____		<u>24</u>	<u>1154</u>			<u>24</u>	<u>1156</u>
P 10 _____		<u>27</u>	<u>1181</u>			<u>27</u>	<u>1186</u>
P 11 _____		<u>30</u>	<u>1206</u>			<u>30</u>	<u>1206</u>
P 12 _____						<u>33</u>	<u>1221</u>
P 13 _____						<u>36</u>	<u>1231</u>
P 14 _____						<u>39</u>	<u>1240</u>
P 15 _____						<u>42</u>	<u>1246</u>
P 16 _____						<u>45</u>	<u>1252</u>
P 17 _____						<u>48</u>	<u>1254</u>
P 18 _____						<u>51</u>	<u>1255</u>
P 19 _____						<u>54</u>	<u>1256</u>
P 20 _____						<u>57</u>	<u>1257</u>
						<u>60</u>	<u>1258</u>

Messerman Rinehart Oil Co
Munson #1

TKT-11966
Test #6



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1815	1829	PSI
(B) First Initial Flow Pressure	105	112	PSI
(C) First Final Flow Pressure	116	118	PSI
(D) Initial Closed-in Pressure	1186	1206	PSI
(E) Second Initial Flow Pressure	126	126	PSI
(F) Second Final Flow Pressure	126	131	PSI
(G) Final Closed-in Pressure	1248	1258	PSI
(H) Final Hydrostatic Mud	1825	1821	PSI



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

Company Messman-Rinehart Oil Company Lease & Well No. Munson #1
Elevation 2549 Kelly Bushing Formation _____ Effective Pay _____ Ft. Ticket No. 11967
Date 3-29-60 Sec. 24 Twp. 4s Range 27w County Decatur State Kansas
Test Approved by J. G. Klein Western Representative W. C. Craig

Formation Test No. 7 O.K. Misrun _____ Interval Tested From 3890' to 3904' Total Depth 3950'
Size Main Hole 7 7/8 Rat Hole _____ Conv. _____ B.T. Damaged _____ Yes No Conv. B.T. _____ Damaged _____ Yes No
Top Packer Depth 3885 Ft. Size 6 3/4" Packer Depth 3890 Ft. Size 6 3/4"
Straddle _____ Yes No _____ Conv. B.T. _____ Damaged _____ Yes No
Packer Depth 3904 Ft. Size 6 3/4"

Tool Size 5 1/2" O.D. Tool Jt. Size 4 1/2" F.H. Anchor Length 14 Ft. Size 5 1/2" O.D.

RECORDERS Depth 3897 Ft. Clock No. 6892 Depth 3900 Ft. Clock No. 6894
Top Make Kuster Cap. 4150 No. 2607 ~~Inside~~ Outside Bottom Make Kuster Cap. 4150 No. 969 ~~Inside~~ Outside
Below Straddle: Depth 3907 Clock No. 147 ~~Inside~~ Outside Depth 3949 Ft. Clock No. 104 ~~Inside~~ Outside
Top Make WTC Cap. 4000 No. 26 ~~Inside~~ Outside Bottom Make WTC Cap. 4000 No. 52 ~~Inside~~ Outside

Time Set Packer 5:18 P.M.
Tool Open I.F.P. From 5:20 M. to 5:50 P.M. Hr. 30 Min. From (B) 43 P.S.I. To (C) 43 P.S.I.
Tool Closed I.C.I.P. From 5:50 M. to 6:20 P.M. Hr. 30 Min. (D) 1108 P.S.I.
Tool Open F.F.P. From 6:20 M. to 7:00 P.M. Hr. 40 Min. From (E) 54 P.S.I. To (F) 61 P.S.I.
Tool Closed F.C.I.P. From 7:00 M. to 7:45 P.M. Hr. 45 Min. (G) 1033 P.S.I.
Initial Hydrostatic Pressure (A) 1833 P.S.I. Final Hydrostatic Pressure (H) 1827 P.S.I.

SURFACE Size Choke 3/8 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW weak for 35 minutes Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes No _____ Recovery Total Ft. 75 feet drilling mud

Reversed Out _____ Yes No _____ Mud Type Chem Viscosity 47 Weight 10.0 Water Loss 10.5 cc. Maximum Temp. 105 °F
Type Circ. Sub. Plug Did Tool Plug? No Jars: Size _____ Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers 3 Safety Joint NO Did Packer Hold? Yes Where? _____
Length Drill Pipe 2842 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 836 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 102 ft.
I. D. Drill Collars 2.5 in. Length D.S.T. Tool 80 ft.

Remarks Flush tool after 20 minutes final flow

WESTERN TESTING CO., INC.
Pressure Data

Date 3-20-69 Test Ticket No. 11967
 Recorder No. 2607 Capacity 4150 Location 3897 Ft.
 Clock No. 6037 Elevation 2549 Kelly Bushing Well Temperature 105 °F

Point	Pressure		Time Given	P _M	Time Computed
A Initial Hydrostatic Mud	<u>1833</u>	P.S.I.	<u>5:18</u>		
B First Initial Flow Pressure	<u>48</u>	P.S.I.	<u>30</u>	Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>48</u>	P.S.I.	<u>30</u>	Mins.	<u>31</u> Mins.
D Initial Closed-in Pressure	<u>1108</u>	P.S.I.	<u>40</u>	Mins.	<u>40</u> Mins.
E Second Initial Flow Pressure	<u>54</u>	P.S.I.	<u>45</u>	Mins.	<u>44</u> Mins.
F Second Final Flow Pressure	<u>61</u>	P.S.I.			
G Final Closed-in Pressure	<u>1083</u>	P.S.I.			
H Final Hydrostatic Mud	<u>1827</u>	P.S.I.			

PRESSURE BREAKDOWN

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

Initial Shut-In
 Breakdown: 10 Inc.
 of 3 mins. and a
 final inc. of 1 Min.

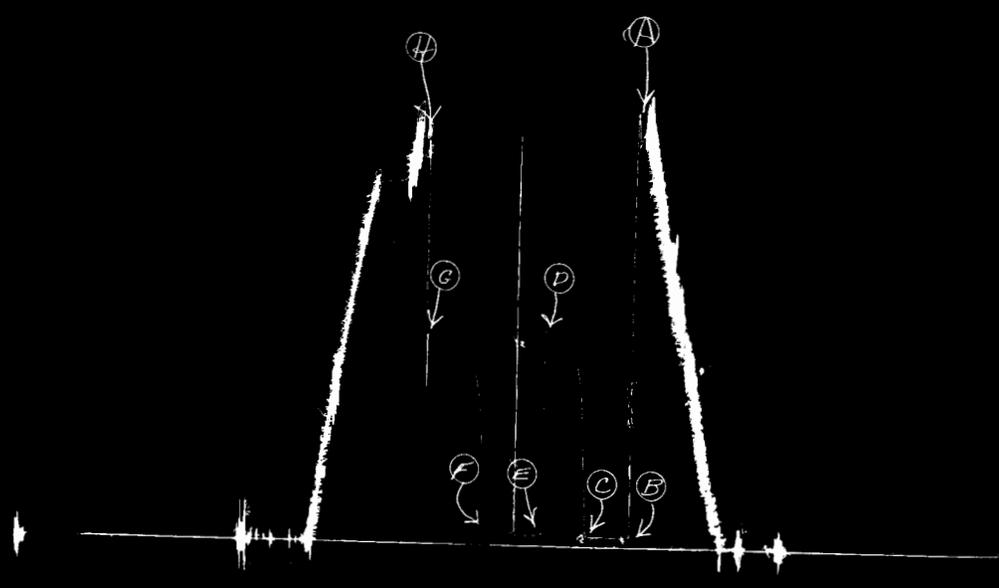
Second Flow Pressure
 Breakdown: 8 Inc.
 of 5 mins. and a
 final inc. of 3 Min.

Final Shut-In
 Breakdown: 14 Inc.
 of 3 mins. and a
 final inc. of 2 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>48</u>	<u>0</u>	<u>48</u>	<u>0</u>	<u>54</u>	<u>0</u>	<u>61</u>
P 2 <u>5</u>	<u>48</u>	<u>3</u>	<u>396</u>	<u>5</u>	<u>54</u>	<u>3</u>	<u>290</u>
P 3 <u>10</u>	<u>48</u>	<u>6</u>	<u>766</u>	<u>10</u>	<u>54</u>	<u>6</u>	<u>653</u>
P 4 <u>15</u>	<u>48</u>	<u>9</u>	<u>922</u>	<u>15</u>	<u>54</u>	<u>9</u>	<u>851</u>
P 5 <u>20</u>	<u>48</u>	<u>12</u>	<u>1000</u>	<u>20</u>	<u>61</u>	<u>12</u>	<u>931</u>
P 6 <u>25</u>	<u>48</u>	<u>15</u>	<u>1039</u>	<u>25</u>	<u>61</u>	<u>15</u>	<u>974</u>
P 7 <u>30</u>	<u>48</u>	<u>18</u>	<u>1062</u>	<u>30</u>	<u>61</u>	<u>18</u>	<u>1004</u>
P 8		<u>21</u>	<u>1077</u>	<u>35</u>	<u>61</u>	<u>21</u>	<u>1022</u>
P 9		<u>24</u>	<u>1089</u>	<u>40</u>	<u>61</u>	<u>24</u>	<u>1035</u>
P10		<u>27</u>	<u>1097</u>			<u>27</u>	<u>1050</u>
P11		<u>30</u>	<u>1106</u>			<u>30</u>	<u>1058</u>
P12		<u>31</u>	<u>1108</u>			<u>33</u>	<u>1064</u>
P13						<u>36</u>	<u>1071</u>
P14						<u>39</u>	<u>1077</u>
P15						<u>42</u>	<u>1079</u>
P16						<u>44</u>	<u>1083</u>
P17							
P18							
P19							
P20							

Messerman-Rinehart Oil Co.
 Munson #1

TKT-11967
 Test #7



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1825	1833	PSI
(B) First Initial Flow Pressure	52	48	PSI
(C) First Final Flow Pressure	52	48	PSI
(D) Initial Closed-in Pressure	1102	1108	PSI
(E) Second Initial Flow Pressure	52	54	PSI
(F) Second Final Flow Pressure	52	61	PSI
(G) Final Closed-in Pressure	1081	1083	PSI
(H) Final Hydrostatic Mud	1836	1827	PSI

COMPANY Messerman-Rinehart Oil Co. LEASE AND WELL NO. Munson #1 SEC. 24 TWP. 4S RGE. 27W TEST NO. 7 DATE 3-29-69



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

Company Messman-Rinehart Oil Co. Lease & Well No. Munson # 1
Elevation 2549 Kelly Bushing Formation Howard Effective Pay 8 Ft. Ticket No. 11962
Date 3-25-69 Sec. 24 Twp. 48 Range 27W County Decatur State Kansas
Test Approved by Bill Iversen Western Representative Kenneth Cheney

Formation Test No. 2 O.K. Misrun Interval Tested From 3230' to 3245' Total Depth 3245'
Size Main Hole 7 7/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Top Packer Depth 3225 Ft. Size 6 3/4 Packer Depth 3230 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 15 Ft. Size 5 1/2" OD

RECORDERS Depth 3238 Ft. Clock No. 6892 Depth 3240 Ft. Clock No. 6894
Top Make Kuster Cap. 4150 No. 2607 ~~Inside~~ Outside Bottom Make Kuster Cap. 4150 No. 969 ~~Inside~~ Outside
Below Straddle: Depth _____ Clock No. _____ Depth _____ Ft. Clock No. _____
Top Make _____ Cap. _____ No. _____ ~~Inside~~ Outside Bottom Make _____ Cap. _____ No. _____ ~~Inside~~ Outside

Time Set Packer 12:48A M
Tool Open I.F.P. From 12:50 M. to 1:20A M. Hr. 30 Min. From (B) 14 P.S.I. To (C) 88 P.S.I.
Tool Closed I.C.I.P. From 1:20 M. to 1:50A M. Hr. 30 Min. (D) 1137 P.S.I.
Tool Open F.F.P. From 1:50 M. to 2:50A M. 1 Hr. - Min. From (E) 103 P.S.I. To (F) 179 P.S.I.
Tool Closed F.C.I.P. From 2:50 M. to 3:50A M. 1 Hr. - Min. (G) 1149 P.S.I.
Initial Hydrostatic Pressure (A) 1823 P.S.I. Final Hydrostatic Pressure (H) 1800 P.S.I.

SURFACE Size Choke 3/8 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW Strong Bottom Choke Size 3/4 In.
Did Well Flow Yes No Recovery Total Ft. 248 feet gas in pipe—310 feet froggie oil—120 feet water

Reversed Out Yes No Mud Type chem Viscosity 40 Weight 10.1 Water Loss 11.0 cc. Maximum Temp. 101 °F
Type Circ. Sub. plug Did Tool Plug? no Jars: Size _____ Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Did Packer Hold? yes Where? _____
Length Drill Pipe 2374 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 836 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 192 ft.
I. D. Drill Collars 2.7 in. Length D.S.T. Tool 35 ft.

Remarks _____

WESTERN TESTING CO., INC.
Pressure Data

Date 3-25-69 Test Ticket No. 11962
 Recorder No. 2607 Capacity 4150 Location 3238 Ft.
 Clock No. 6892 Elevation 2549 Kelly Bushing Well Temperature 101 °F

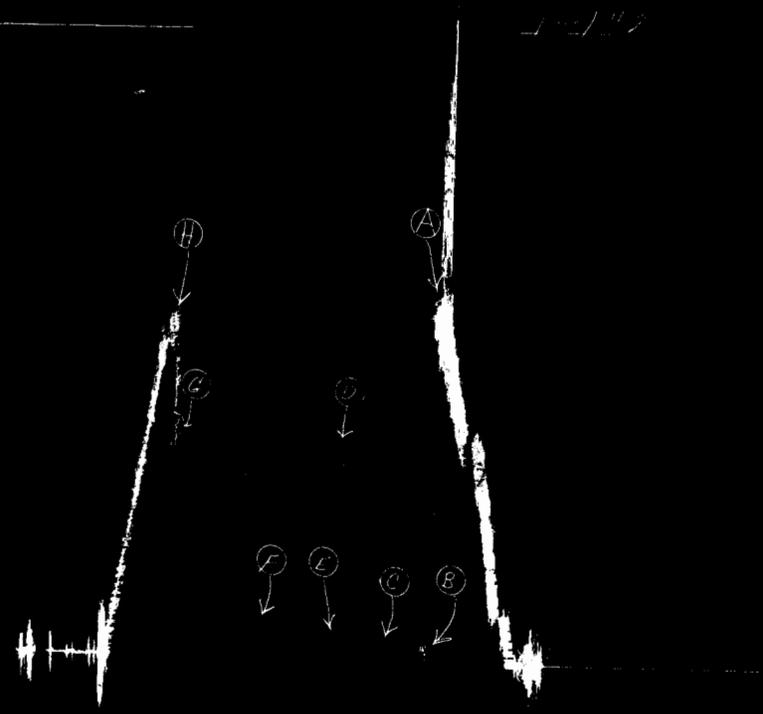
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1823</u>	P.S.I.	<u>12:48 A</u>	<u>M</u>
B First Initial Flow Pressure	<u>14</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>88</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1137</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>103</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>179</u>	P.S.I.		
G Final Closed-in Pressure	<u>1149</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1800</u>	P.S.I.		

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure	Point Minutes	Initial Shut-In	Point Minutes	Second Flow Pressure	Point Minutes	Final Shut-In
	Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.		Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of _____ Min.		Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of _____ Min.		Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of _____ Min.
	Press.		Press.		Press.		Press.
P 1 <u>0</u>	<u>14</u>	<u>0</u>	<u>88</u>	<u>0</u>	<u>103</u>	<u>0</u>	<u>179</u>
P 2 <u>5</u>	<u>plugging action</u>	<u>3</u>	<u>410</u>	<u>5</u>	<u>104</u>	<u>3</u>	<u>381</u>
P 3 <u>10</u>	<u>4</u>	<u>6</u>	<u>830</u>	<u>10</u>	<u>112</u>	<u>6</u>	<u>695</u>
P 4 <u>15</u>		<u>9</u>	<u>912</u>	<u>15</u>	<u>116</u>	<u>9</u>	<u>887</u>
P 5 <u>20</u>		<u>12</u>	<u>1031</u>	<u>20</u>	<u>122</u>	<u>12</u>	<u>984</u>
P 6 <u>25</u>	<u>86</u>	<u>15</u>	<u>1066</u>	<u>25</u>	<u>131</u>	<u>15</u>	<u>1216</u>
P 7 <u>30</u>	<u>88</u>	<u>18</u>	<u>1082</u>	<u>30</u>	<u>139</u>	<u>18</u>	<u>1041</u>
P 8 _____		<u>21</u>	<u>1104</u>	<u>35</u>	<u>145</u>	<u>21</u>	<u>1062</u>
P 9 _____		<u>24</u>	<u>1117</u>	<u>40</u>	<u>154</u>	<u>24</u>	<u>1077</u>
P10 _____		<u>27</u>	<u>1129</u>	<u>45</u>	<u>158</u>	<u>27</u>	<u>1089</u>
P11 _____		<u>30</u>	<u>1137</u>	<u>50</u>	<u>165</u>	<u>30</u>	<u>1098</u>
P12 _____				<u>55</u>	<u>173</u>	<u>33</u>	<u>1106</u>
P13 _____				<u>60</u>	<u>179</u>	<u>36</u>	<u>1114</u>
P14 _____						<u>39</u>	<u>1121</u>
P15 _____						<u>42</u>	<u>1127</u>
P16 _____						<u>45</u>	<u>1133</u>
P17 _____						<u>48</u>	<u>1135</u>
P18 _____						<u>51</u>	<u>1139</u>
P19 _____						<u>54</u>	<u>1143</u>
P20 _____						<u>57</u>	<u>1146</u>
						<u>60</u>	<u>1149</u>

Messman-Rinehart Oil Co
MUNSON #1

TKT-11962
1-1-42



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1878	1823	PSI
(B) First Initial Flow Pressure	16	14	PSI
(C) First Final Flow Pressure	95	88	PSI
(D) Initial Closed-in Pressure	1140	1137	PSI
(E) Second Initial Flow Pressure	112	103	PSI
(F) Second Final Flow Pressure	190	179	PSI
(G) Final Closed-in Pressure	1154	1149	PSI
(H) Final Hydrostatic Mud	1870	1800	PSI

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