

Company Name

J.A. Allison  
Company Name

# Drill Stem Test Report

Telephone: (316) 624 - 7340

Ans. Service: (316) 624 - 6247



Well Name & No.  
Hooney # 1

P. O. Box 1182

Liberal, Kansas 67901

Test No.  
1

Test Interval  
4404 - 4717

Company J.A. Allison Date Jan. 1, 1978  
 Well Name & No. Rooney #1 Sec. 20 Twp. 22S Rge. 35W  
 County Kearny State Kans. Elevation \_\_\_\_\_  
 Test Approved by Bob Gill Tester Dean Blagrave

DST No. 1 Formation Johnson Test Interval 4484' to 4515' Total Depth 4515'  
 Anchor Length 31' Anchor Size 4 1/2" OD Surface Choke 1/4" Bot. Choke 5/8"  
 Top Packer Depth 4484' Damaged no Bottom Packer Depth \_\_\_\_\_ Damaged \_\_\_\_\_  
 Below Straddle Depth \_\_\_\_\_ Damaged \_\_\_\_\_ Bot. Packer Depth \_\_\_\_\_ Damaged \_\_\_\_\_  
 Recorders: Depth 4508' Make Kuster Capacity 6450 Ser. No. 6064 Inside  
 Depth 4513' Make H&T Capacity 4750 Ser. No. 72 Outside  
 Below Straddle: Depth \_\_\_\_\_ Make \_\_\_\_\_ Capacity \_\_\_\_\_ Ser. No. \_\_\_\_\_

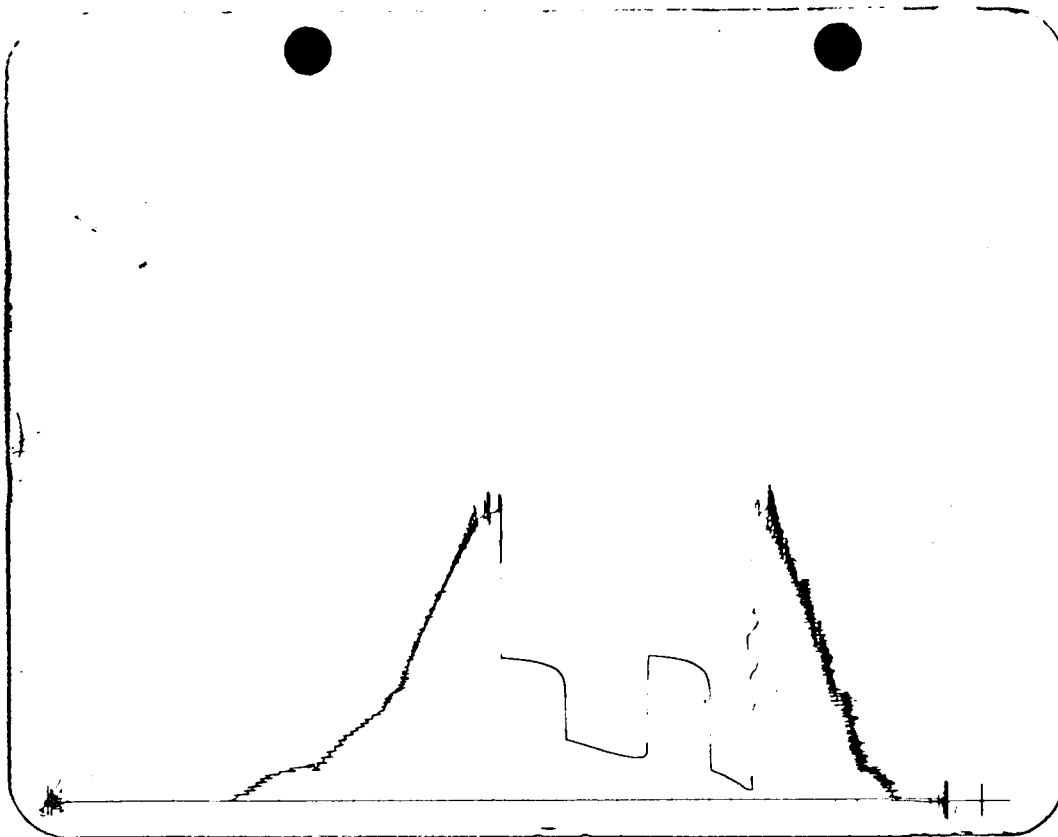
**PRESSURES:**

Tool Open 30 min. IFP 94 psi to 264 psi  
 Shut-In 45 min. ISIP 1224 psi  
 Open 60 min. FFP 375 psi to 516 psi  
 Shut-In 48 min. FSIP 1198 psi  
 Hydrostatic Pressures: Initial 2394 Final 2388 Temp 105 °F  
 Blow Good thruout. GTS in 35 min. on Final Flow, (65 min. total open time.)  
 Recovery 1430' Gassy oil & muddy oil, 65' Oil cut mud.

Extra Equipment none

Lengths: Tool 46' DP 3660' ID 3.8 Wt.P 318 ID 2.7 DC 506 ID 2.25  
 Mud Type Starch Vis. 43 Wt. 9.7 Wtr. Loss 4.8 Chlorides 37,000 PPM

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



Actual photograph of test chart

	Pressure Reading		
	Field	Office	
Initial Flow pressure	98 - 261	94 - 264	PSI
Initial Closed in pressure	1224	1224	PSI
Final Flow pressure	359 - 522	375 - 516	PSI
Final Closed in pressure	1191	1198	PSI
Initial Hydrostatic pressure	2391	2394	PSI
Final Hydrostatic pressure	2375	2388	PSI

Recovery: 1430' Gassy Oil & Muddy Oil, 65' Oil Cut Mud.

**Pressure Break Down**

Test ticket no. 312 Recorder no. 6064 Capacity 6450 Rec. Depth. 4508

Initial Flow pressure	<u>94</u> to <u>264</u>	Time	Given <u>30</u>	Computed <u>30</u>
Initial Closed in pressure	<u>1224</u>		<u>45</u>	<u>45</u>
Final Flow pressure	<u>375</u> to <u>516</u>		<u>60</u>	<u>60</u>
Final Closed-in pressure	<u>1198</u>		<u>45</u>	<u>48'</u>
Initial Hydrostatic pressure	<u>2394</u>	Final Hydrostatic press.	<u>2388</u>	Temp <u>105</u>

**Initial Flow Press.**

Minutes	Press
0	94
5	107
10	150
15	183
20	215
25	241
30	264
35	
40	
45	
50	
55	
60	
65	
70	
75	
80	
85	
90	
95	
100	
105	
110	
115	
120	

**Initial Closed in Press.**

Minutes	Press
0	264
3	1029
6	1103
9	1126
12	1149
15	1165
18	1181
21	1188
24	1194
27	1201
30	1207
33	1211
36	1214
39	1217
42	1220
45	1224
48	
51	
54	
57	
60	
63	
66	
69	
72	
75	
78	
81	
84	
87	
90	
93	
96	
99	
102	
105	
108	
111	
114	
117	
120	

**Final Flow Press**

Minutes	Press
0	375
5	366
10	369
15	375
20	388
25	405
30	418
35	434
40	454
45	470
50	483
55	500
60	516
65	
70	
75	
80	
85	
90	
95	
100	
105	
110	
115	
120	
125	
130	
135	
140	
145	
150	
155	
160	
165	
170	
175	
180	

**Final Closed in Press.**

Minutes	Press
0	516
3	1003
6	1071
9	1103
12	1126
15	1136
18	1146
21	1155
24	1165
27	1172
30	1178
33	1181
36	1185
39	1188
42	1191
45	1194
48	1198
51	
54	
57	
60	
63	
66	
69	
72	
75	
78	
81	
84	
87	
90	
93	
96	
99	
102	
105	
108	
111	
114	
117	
120	