



## Drill Stem Test Report

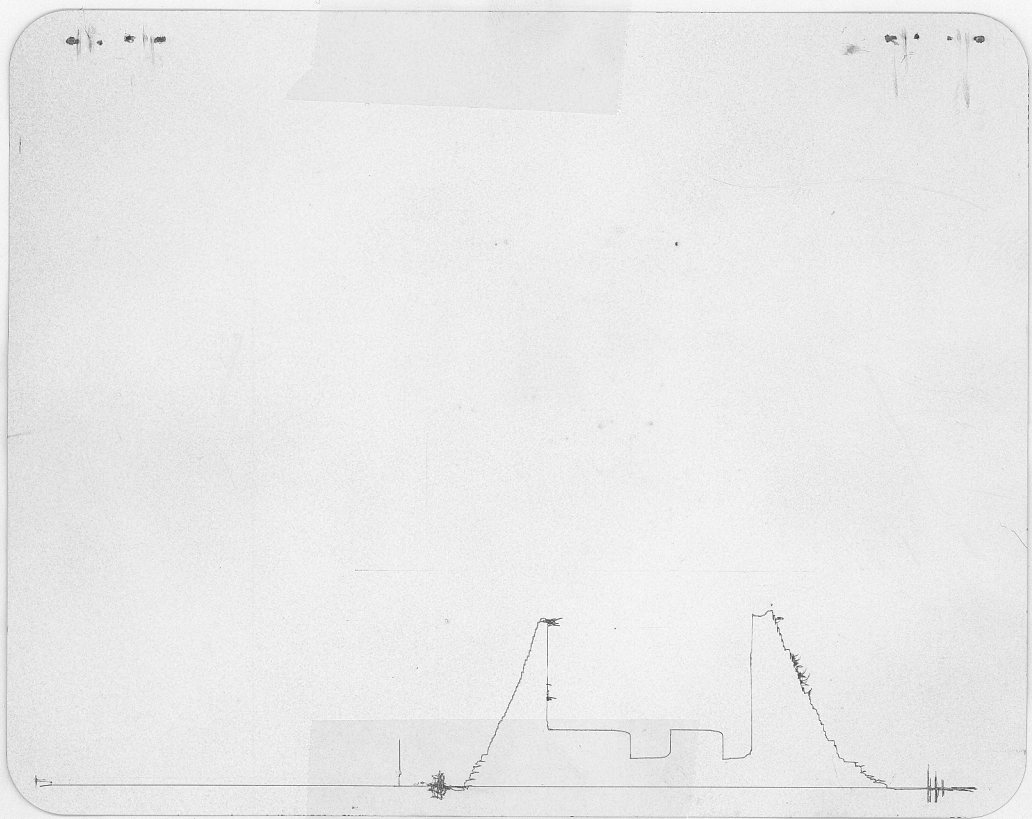
Telephone: (316) 624 - 7340

Ans. Service: (316) 624 - 6247

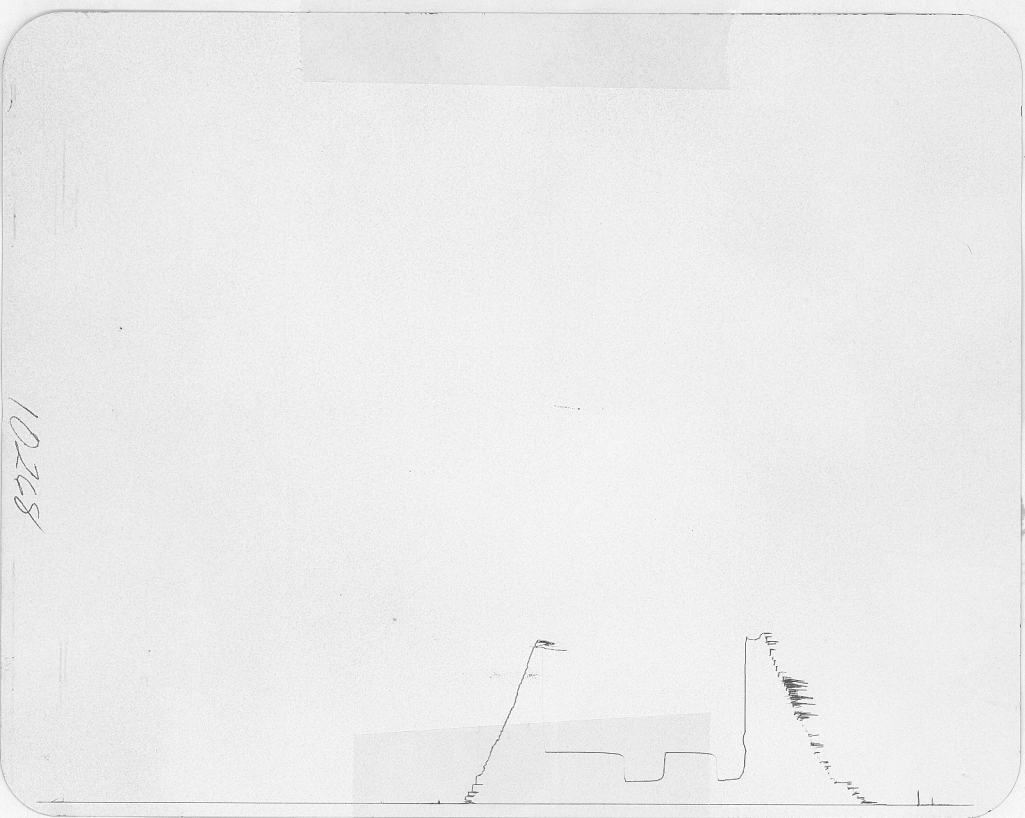


P. O. Box 1182

Liberal, Kansas 67901

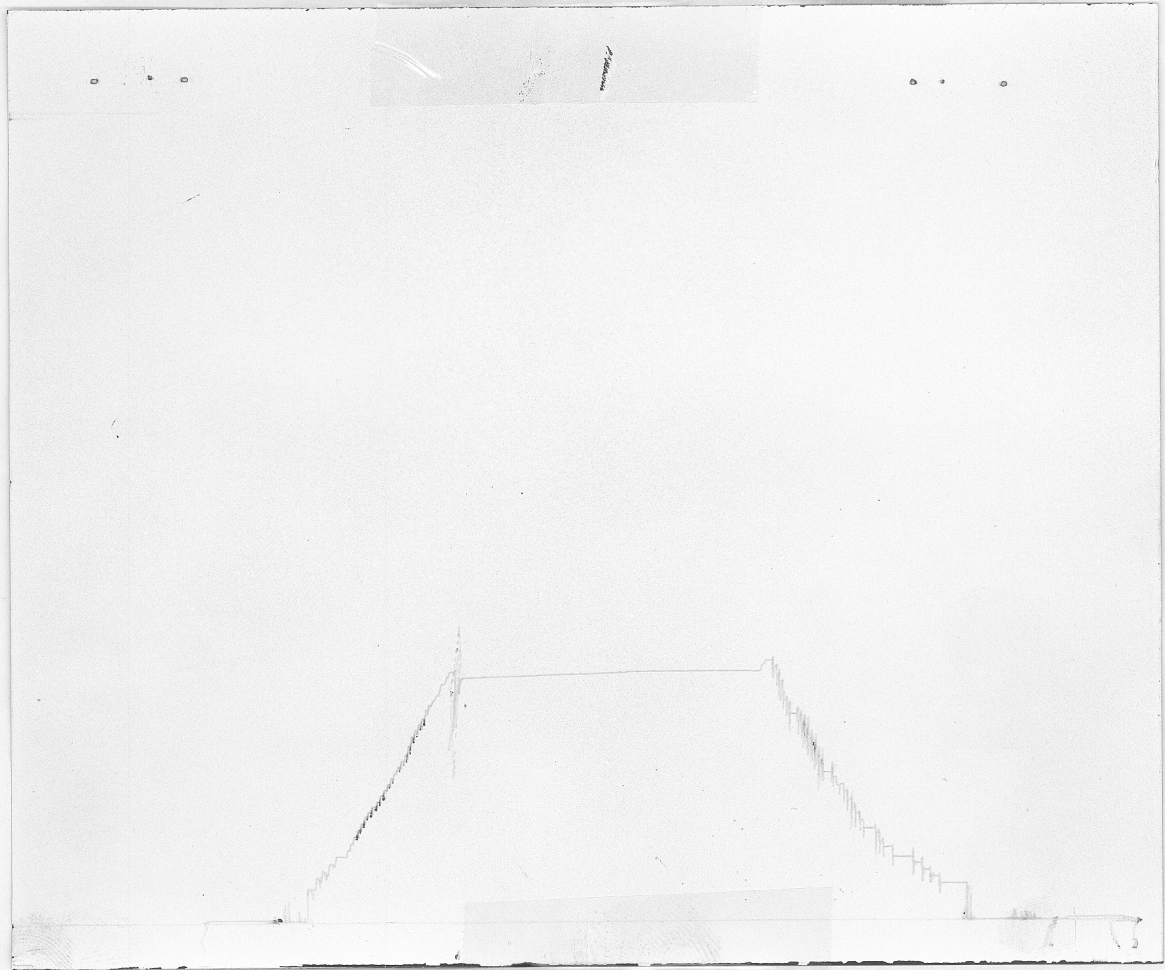


Initial Hydrostatic \_\_\_\_\_ 1473 \_\_\_\_\_ psi  
 IFP \_\_\_\_\_ 281 \_\_\_\_\_ psi to \_\_\_\_\_ 236 \_\_\_\_\_ psi  
 ISIP \_\_\_\_\_ 485 \_\_\_\_\_ psi  
 FFP \_\_\_\_\_ 259 \_\_\_\_\_ psi to \_\_\_\_\_ 239 \_\_\_\_\_ psi  
 FSIP \_\_\_\_\_ 481 \_\_\_\_\_ psi  
 Final Hydrostatic \_\_\_\_\_ 1428 \_\_\_\_\_ psi



10268  
8770





Location Wabunsee Type Test Hook Straddle Date April 9, 1984  
 Length and Size 14' x 4½" Total Depth 5500'  
 Depths 3023' & 3028' Below Straddle 3042'  
 Equipment Run 3 Packers, Jars, Safety Joint, Circulating sub, Straddle Assembly,  
Sidewall Hook Assembly  
 Lengths: Tool 54' D. P. 2461' ID 3.8" Wt. P. \_\_\_\_\_ ID \_\_\_\_\_ D. C. 547' ID 2.25"  
 Fluid Type Chemical Vis. 50 Wt. 9.0 Wtr. Loss 8.0 Cl. 1200 ppm  
 Records:  
 Depth 3016' Make Kuster Cap. 6500 Ser. No. 10269 Inside  
 Depth 3038' Make Kuster Cap. 6450 Ser. No. 10268 Outside  
 Depth 3051' Make H & T Cap. 6000 Ser. No. 23 Below Straddle

## Pressures:

Tool on Bottom @ 9:35 P M. Initial Hydrostatic 1473 psi  
 Initial Flow 21 Min. IFP 281 psi to 236 psi  
 Initial Shut-In 39 Min. ISIP 485 psi  
 Final Flow 30 Min. FFP 259 psi to 239 psi  
 Final Shut-In 60 Min. FSIP 481 psi  
 Tool off Bottom @ 12:05 A M. Final Hydrostatic 1428 psi Temp. 102

Blow: Strong. Gas to surface in 2 minutes.

Recovery: 60' Mud

Gas Flow: Gauged at 1233 MCF/D through a 1¼" orifice at end of flow period.

## Sampler Data:

Pressure \_\_\_\_\_ PSI  
 Gas \_\_\_\_\_ cu. ft.  
 Total Fluid \_\_\_\_\_ cc  
 Oil \_\_\_\_\_ cc  
 Water \_\_\_\_\_ cc  
 Mud \_\_\_\_\_ cc  
 Oil Gravity \_\_\_\_\_ @ \_\_\_\_\_ °F.  
 Gas/Oil Ratio \_\_\_\_\_

## Remarks:

Tester R L Young Witnessed by: Bob Posey

SEC. 3  
 TWP. 34S  
 RGE. 43W

COUNTY

Baca

STATE

Colorado

TICKET NO. 2469

OPERATOR

Patrick Operating Co.

Brown #1-3  
 WELL NAME & NO.

4  
 TEST #

3028' - 3042'  
 TEST INTERVAL



Mobile — 316/624-6247

Unit #935



P.O. Box 1182

Liberal, Kansas 67901

Company Patrick Operating Co.

Well Brown #1-3

Test # 4

## Interval

3028' - 3042'

## Method of Guage Merla 2'' Quick-Change Orifice Well Tester

## Time Preflow

## Gauge

### Orifice Size

Gas Volume MCF/D

10 Minutes

14 P.S.I.

1 1/4"

980

20 Minutes

16 P.S.I.

1 1/4"

1064

Final Flow

10 Minutes

18 P.S.I.

1 1/4"

1146

20 Minutes

20 P.S.I.

1 1/4"

1233

30 Minutes

20 P.S.I.

1 1/4"

1233

## Surface Choke

1"

## Bottom Choke

5/8"

Remarks:

Gas to surface in 2 minutes.

# Pressure Break Down

est ticket no. 2469 Recorder no. 10269 Capacity 6500 Rec. Depth. 3016'

Initial Flow pressure 281 to 236 Time Given 20 Computed 21

Initial Closed in pressure 485 40 39

Final Flow pressure 259 to 239 30 30

Final Closed-in pressure 481 60 60

Initial Hydrostatic pressure 1473 Final Hydrostatic press. 1428 Temp 102

## Initial Flow Press.

Minutes	Press
0	281
5	255
10	249
15	242
20	236
21xx	236
25	
30	
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	236
3	475
6	478
9	481
12	485
15	485
18	485
21	485
24	485
27	485
30	485
33	485
36	485
39	485
42	
45	
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	259
5	252
10	245
15	245
20	245
25	239
30	239
35	
40	
45	
50	
55	
60	
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	239
3	465
6	475
9	475
12	475
15	478
18	478
21	478
24	478
27	481
30	481
33	481
36	481
39	481
42	481
45	481
48	481
51	481
54	481
57	481
60	481
63	
66	
69	
72	
75	
78	
81	
84	
87	
90	
93	
96	
99	
102	
105	
108	
111	
114	
117	
120	