



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2194	2194	PSI
(B) First Initial Flow Pressure	148	148	PSI
(C) First Final Flow Pressure	539	546	PSI
(D) Initial Closed-in Pressure	1410	1415	PSI
(E) Second Initial Flow Pressure	663	661	PSI
(F) Second Final Flow Pressure	1368	1377	PSI
(G) Final Closed-in Pressure	1420	1424	PSI
(H) Final Hydrostatic Mud	2194	2194	PSI



State of Kansas  
Sutton

Home Office: Wichita, Kansas 67201

P.O. Box 1599

(316) 262-5861

Company Cougar Petroleum Corporation Lease & Well No. Booher #1  
 Elevation 1450 Kelly Bushing Formation Simpson Effective Pay - Ft. Ticket No. 10406  
 Date 8/2/81 Sec. 1 Twp. 31S Range 4W County Sumner State Kansas  
 Test Approved by Fred Johnson Western Representative Kenny Kirkendall

Formation Test No. 1 Interval Tested from 4471 ft. to 4573 ft. Total Depth 4573 ft.  
 Packer Depth 4471 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Packer Depth 4466 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4476 ft. Recorder Number 2605 Cap. 4150  
 Bottom Recorder Depth (Outside) 4480 ft. Recorder Number 10979 Cap. 4100  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Supreme Rig #1 Drill Collar Length 540 I. D. - in.  
 Mud Type Drispac Viscosity 59 Weight Pipe Length - I. D. - in.  
 Weight 9.2 Water Loss 9.6 cc. Drill Pipe Length - I. D. - in.  
 Chlorides 8000 P.P.M. Test Tool Length 27 ft. Tool Size 5 1/2 in.  
 Jars: Make WIC Serial Number 405 Anchor Length 98 ft. Size 5 1/2 in.  
 Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
 Main Hole Size 7 7/8 in. Tool Joint Size 3 1/2 IF in.

Blow: Good blow initial flow period. Good blow decreasing to fair on final flow period

Recovered 3300 ft. of muddy salt water  
 Recovered          ft. of           
 Recovered          ft. of           
 Recovered          ft. of           
 Recovered          ft. of         

Remarks:         

Time Set Packer(s) 8:08 ~~P.M.~~ <sup>A.M.</sup> Time Started Off Bottom - ~~P.M.~~ <sup>A.M.</sup> Maximum Temperature 146  
 Initial Hydrostatic Pressure 2194 (A)          P.S.I.  
 Initial Flow Period 10 (B) 148 P.S.I. to (C) 546 P.S.I.  
 Initial Closed In Period 33 (D) 1415 P.S.I.  
 Final Flow Period 60 (E) 661 P.S.I. to (F) 1377 P.S.I.  
 Final Closed In Period 66 (G) 1424 P.S.I.  
 Final Hydrostatic Pressure 2194 (H)          P.S.I.

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 8/2/81 Test Ticket No. 10406  
 Recorder No. 2605 Capacity 4150 Location 4476 Ft.  
 Clock No. - Elevation 1450 Kelly Bushing Well Temperature 146 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2194 P.S.I.	Open Tool	8:08A M	
B First Initial Flow Pressure	148 P.S.I.	First Flow Pressure	10 Mins	10 Mins.
C First Final Flow Pressure	546 P.S.I.	Initial Closed-in Pressure	30 Mins	33 Mins.
D Initial Closed-in Pressure	1415 P.S.I.	Second Flow Pressure	60 Mins	60 Mins.
E Second Initial Flow Pressure	661 P.S.I.	Final Closed-in Pressure	60 Mins	66 Mins.
F Second Final Flow Pressure	1377 P.S.I.			
G Final Closed-in Pressure	1424 P.S.I.			
H Final Hydrostatic Mud	2194 P.S.I.			

**PRESSURE BREAKDOWN**

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>2</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>22</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 <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	0	0	148	0	546	0	1377
P 2	5	3	356	5	740	3	1396
P 3	10	6	546	10	873	6	1406
P 4		9		15	979	9	1411
P 5		12		20	1075	12	1413
P 6		15		25	1147	15	1413
P 7		18		30	1207	18	1415
P 8		21		35	1253	21	1419
P 9		24		40	1288	24	1420
P10		27		45	1319	27	1420
P11		30		50	1342	30	1421
P12		33		55	1359	33	1421
P13				60	1377	36	1421
P14						39	1421
P15						42	1421
P16						45	1424
P17						48	1424
P18						51	1424
P19						54	1424
P20						57	1424
						60	1424
						63	1424
						66	1424