Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Petroleum Inc. Lease & Well No. Johnson A-B

Elevation 2300 Kelly Bush. Formation Kansas City Effective Pay - Ft. Ticket No. 24734

Date 9-10-75 Sec. 4 Twp. 8S Range 23W County Graham State Kansas

Test Approved by Stanton Cox Western Representative Gerrell Veatch

Formation Test No. 1 O.K. X Misrun - Interval Tested From 3568' to 3670' Total Depth 3670'

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

Top Packer Depth 3563 Ft. Size 6 3/4 Bottom Packer Depth 3568 Ft. Size 6 3/4

Straddle - Conv. - B.T. - Damaged - Yes - No Packer Depth - Ft. Size -

Tool Size 5½OD Tool Joint Size 4½FH Anchor Length 102 Ft. Size 5½OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3661 Ft. Clock No. 6806 Depth 3664 Ft. Clock No. 6774

Top Make Kuster Cap. 4150 No. 2608 ~~Inside~~ ~~Outside~~ Bottom Make Kuster Cap. 4200 No. 1558 ~~Inside~~ Outside

Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 10:56 A M

Tool Open I.F.P. From 11:00A M. to 11:30A M. - Hr. 30 Min. From (B) 108 P.S.I. To (C) 247 P.S.I.

Tool Closed I.C.I.P. From 11:30A M. to 12:00P M. - Hr. 30 Min (D) 1217 P.S.I.

Tool Open F.F.P. From 12:00P M. to 12:30P M. - Hr. 30 Min. From (E) 284 P.S.I. To (F) 391 P.S.I.

Tool Closed F.C.I.P. From 12:30P M. to 1:30P M. - Hr. 60 Min. (G) 1223 P.S.I.

Initial Hydrostatic Pressure (A) 1931 P.S.I. Final Hydrostatic Pressure (H) 1901 P.S.I. Maximum Temp. 110

INFORMATION

BLOW Good blow.

Did Well Flow - Yes X No Recovery Total Ft. 775' muddy salt water.

Reversed Out - Yes X No Mud Type Chemical Viscosity 39 Weight 9.9 Water Loss 11 cc. Chlorides -

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint - Jars: Size - In. Make - Ser. No. -

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR Abercrombie Drilling Inc. Length Drill Pipe 2898 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½FH In.

Length Weight Pipe 650 Ft. I.D. Weight Pipe 2.7 In. Tool Joint Size 4½XH In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 122 Ft.

Remarks:

RECEIVED
SEP 15 1975
GREAT BEND
Division Office

4-85-23W
A/C SE-NE-SE

WESTERN TESTING CO., INC.
Pressure Data

Date 9-10-75 Test Ticket No. 24734

Recorder No. 2608 Capacity 4150 Location 3661 Ft.

Clock No. 6806 Elevation 2300 Kelly Bush. Well Temperature 110 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1931 P.S.I.	Open Tool	10:56 A M	
B First Initial Flow Pressure	108 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	247 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	1217 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	284 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	391 P.S.I.			
G Final Closed-in Pressure	1223 P.S.I.			
H Final Hydrostatic Mud	1901 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Mins.	Press.
P 1 0	108
P 2 5	110
P 3 10	133
P 4 15	158
P 5 20	189
P 6 25	220
P 7 30	247
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	247
3	1105
6	1155
9	1175
12	1188
15	1196
18	1200
21	1207
24	1213
27	1215
30	1217

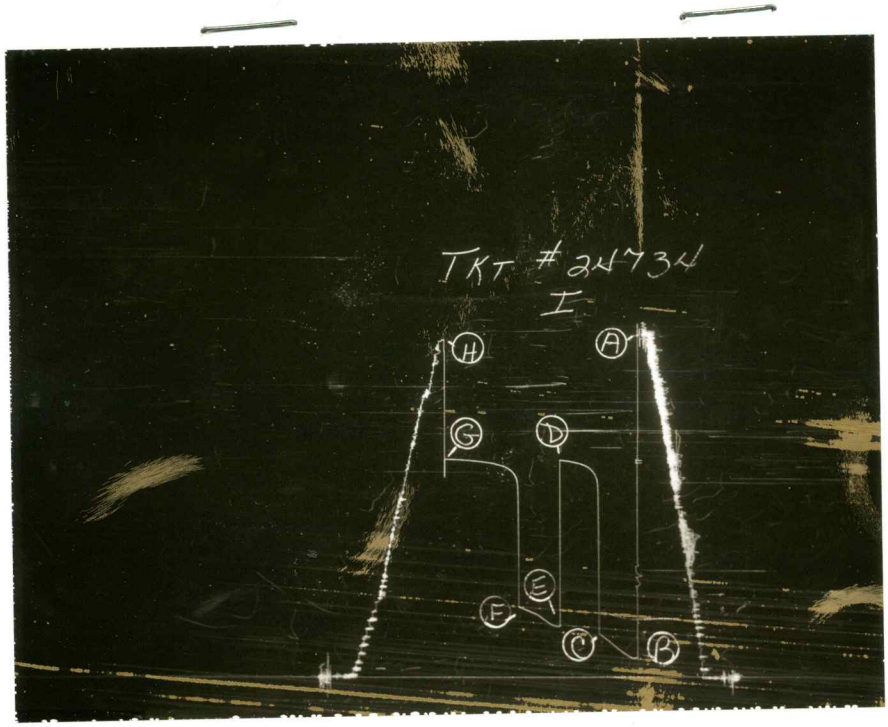
Second Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	284
5	289
10	309
15	339
20	359
25	376
30	391

Final Shut-In
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	391
3	1124
6	1155
9	1173
12	1182
15	1190
18	1196
21	1200
24	1204
27	1209
30	1211
33	1215
36	1215
39	1251
42	1215
45	1215
48	1223
51	1223
54	1223
57	1223
60	1223

COMPANY Petroleum Inc. LEASE AND WELL NO. Johnson A-B " SEC. 4 TWP. 8S RGE. 23W TEST NO. 1 DATE 9-



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1930	1931	PSI
(B)	First Initial Flow Pressure	93	108	PSI
(C)	First Final Flow Pressure	250	247	PSI
(D)	Initial Closed-in Pressure	1213	1217	PSI
(E)	Second Initial Flow Pressure	270	284	PSI
(F)	Second Final Flow Pressure	385	391	PSI
(G)	Final Closed-in Pressure	1213	1223	PSI
(H)	Final Hydrostatic Mud	1920	1901	PSI

Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Petroleum Inc. Lease & Well No. Johnson A-B #1

Elevation 2300 Kelly Bushing Formation Kansas City Effective Pay - Ft. Ticket No. 24735

Date 9-11-75 Sec. 4 Twp. 8 Range 23W County Graham State Kansas

Test Approved by Stanton Cox Western Representative Gerrell Veatch

Formation Test No. 2 O.K. X Misrun - Interval Tested From 3685' to 3755' Total Depth 3755'

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

Top Packer Depth 3680 Ft. Size 6 3/4 Bottom Packer Depth 3685 Ft. Size 6 3/4

Straddle - Conv. - B.T. - Damaged - Yes - No Packer Depth - Ft. Size -

Tool Size 5½OD Tool Joint Size 4½FH Anchor Length 70 Ft. Size 5½OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS

	Depth	Clock No.	Inside/Outside
Top Make Kuster Cap. 4150 No. 2608	3748 Ft.	6806	Outside
Bottom Make Kuster Cap. 4200 No. 1558	3751 Ft.	6774	Outside
Below Straddle: Rec. No. -	Depth - Ft.	Clock No. -	Outside
Rec. No. -	Depth - Ft.	Clock No. -	Outside

Time Set Packer 4:26 A M

Tool Open I.F.P. From 4:30A M. to 5:00A M. - Hr. 30 Min. From (B) 70 P.S.I. To (C) 64 P.S.I.

Tool Closed I.C.I.P. From 5:00A M. to 5:30A M. - Hr. 30 Min (D) 68 P.S.I.

Tool Open F.F.P. From 5:30A M. to 6:00A M. - Hr. 30 Min. From (E) 64 P.S.I. To (F) 64 P.S.I.

Tool Closed F.C.I.P. From 6:00A M. to 6:30A M. - Hr. 30 Min. (G) 64 P.S.I.

Initial Hydrostatic Pressure (A) 1962 P.S.I. Final Hydrostatic Pressure (H) 1935 P.S.I. Maximum Temp. 110

INFORMATION

BLOW Weak blow for 5 minutes.

Did Well Flow - Yes X No Recovery Total Ft. 10' drilling mud.

Reversed Out - Yes X No Mud Type Chemical Viscosity 41 Weight 9.9 Water Loss 11.0 cc. Chlorides -

EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint - Jars: Size - In. Make - Ser. No. -

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR Abercrombie Drilling Inc. Length Drill Pipe? 3015 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½FH In.

Length Weight Pipe 650 Ft. I.D. Weight Pipe 2.7 In. Tool Joint Size 4½XH In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 90 Ft.

Remarks: Flushed tool.

4-8S-23W
A/C SE-NE-SE

WESTERN TESTING CO., INC.

Pressure Data

Date 9-11-75 Test Ticket No. 24735

Recorder No. 2608 Capacity 4150 Location 3748 Ft.

Clock No. 6806 Elevation 2300 Kelly Bushing Well Temperature 110 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1962 P.S.I.	Open Tool	4:26 A M	
B First Initial Flow Pressure	70 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	64 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	68 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	64 P.S.I.	Final Closed-in Pressure	30 Mins.	24 Mins.
F Second Final Flow Pressure	64 P.S.I.			
G Final Closed-in Pressure	64 P.S.I.			
H Final Hydrostatic Mud	1935 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

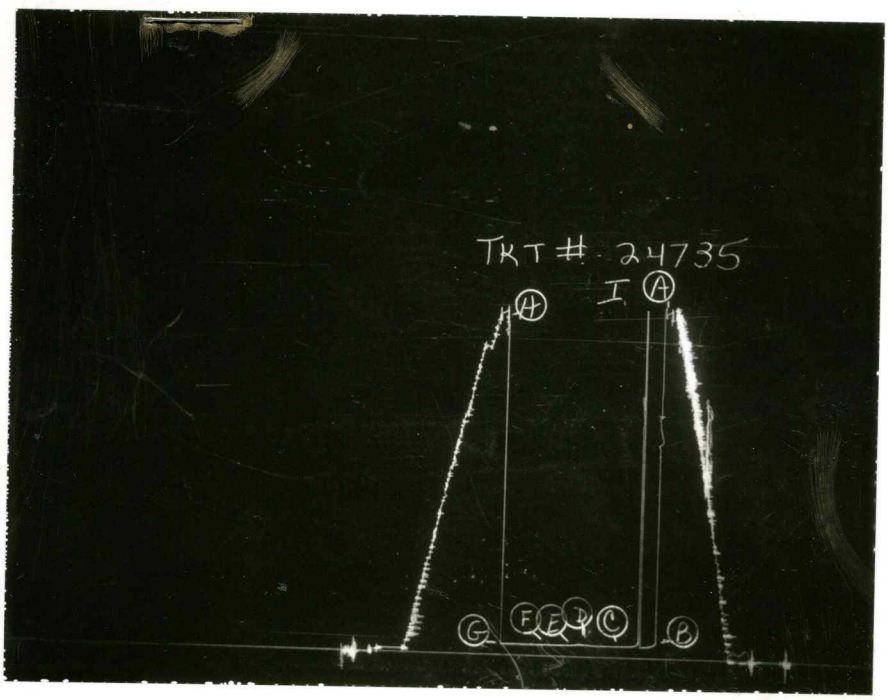
Initial Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 8 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point	First Flow Pressure Mins.	First Flow Pressure Press.	Initial Shut-In Point Minutes	Initial Shut-In Press.	Second Flow Pressure Point Minutes	Second Flow Pressure Press.	Final Shut-In Point Minutes	Final Shut-In Press.
P 1	0	70	0	64	0	64	0	64
P 2	5	64	3	64	5	64	3	64
P 3	10	62	6	64	10	64	6	64
P 4	15	Flushed tool	9	64	15	64	9	64
P 5	20	64	12	64	20	64	12	64
P 6	25	64	15	64	25	64	15	64
P 7	30	64	18	64	30	64	18	64
P 8			21	64	35		21	64
P 9			24	66			24	64
P10			27	66				
P11			30	68				
P12								
P13								
P14								
P15								
P16								
P17								
P18								
P19								
P20								

COMPANY Petroleum Inc. LEASE AND WELL NO. Johnson A-B #1 SEC. 4 TWP. 8 RGE. 23W TEST NO. 2 DATE 9-11



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1970	1962	PSI
(B)	First Initial Flow Pressure	72	70	PSI
(C)	First Final Flow Pressure	72	64	PSI
(D)	Initial Closed-in Pressure	94	68	PSI
(E)	Second Initial Flow Pressure	72	64	PSI
(F)	Second Final Flow Pressure	72	64	PSI
(G)	Final Closed-in Pressure	72	64	PSI
(H)	Final Hydrostatic Mud	1960	1935	PSI

Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Petroleum Inc. Lease & Well No. Johnson A-B #1

Elevation 2300 Kelly Bush. Formation Kansas City Effective Pay - Ft. Ticket No. 24736

Date 9-11-75 Sec. 4 Twp. 8 Range 23W County Graham State Kansas

Test Approved by Stanton Cox Western Representative Gerrell Veatch

Formation Test No. 3 O.K. X Misrun - Interval Tested From 3757' to 3810' Total Depth 3810'

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

Top Packer Depth 3752 Ft. Size 6 3/4 Bottom Packer Depth 3757 Ft. Size 6 3/4

Straddle - Conv. - B.T. - Damaged - Yes - No Packer Depth - Ft. Size -

Tool Size 5½OD Tool Joint Size 4½FH Anchor Length 53 Ft. Size 5½OD Surface Choke Size 3/8 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3804 Ft. Clock No. 6774 Depth 3807 Ft. Clock No. 6806

Top Make Kuster Cap. 4150 No. 2608 Inside Outside Bottom Make Kuster Cap. 4200 No. 1558 Inside Outside

Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 7:27 P M

Tool Open I.F.P. From 7:30P M. to 8:00P M. - Hr. 30 Min. From (B) 56 P.S.I. To (C) 58 P.S.I.

Tool Closed I.C.I.P. From 8:00P M. to 8:30P M. - Hr. 30 Min (D) 1103 P.S.I.

Tool Open F.F.P. From 8:30P M. to 9:00P M. - Hr. 30 Min. From (E) 74 P.S.I. To (F) 74 P.S.I.

Tool Closed F.C.I.P. From 9:00P M. to 9:30P M. - Hr. 30 Min. (G) 985 P.S.I.

Initial Hydrostatic Pressure (A) 2104 P.S.I. Final Hydrostatic Pressure (H) 1974 P.S.I. Maximum Temp. 111 °

INFORMATION

BLOW Weak blow for 30 minutes.

Did Well Flow - Yes X No Recovery Total Ft. 50' thin drilling mud.

Reversed Out - Yes X No Mud Type Chemical Viscosity 38 Weight 10 Water Loss 8.4 cc. Chlorides -

EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint - Jars: Size - In. Make - Ser. No. -

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR Abercrombie Drilling Inc. Length Drill Pipe? 3087 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½ In.

Length Weight Pipe 650 Ft. I.D. Weight Pipe 2.7 In. Tool Joint Size 4½XH In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 73 Ft.

Remarks:

4-8S-23W
A/C SE-NE-SE

WESTERN TESTING CO., INC.
Pressure Data

Date 9-11-75 Test Ticket No. 24736

Recorder No. 2608 Capacity 4150 Location 3804 Ft.

Clock No. 6774 Elevation 2300 Kelly Bushing Well Temperature 111 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2104 P.S.I.	Open Tool	7:27 P M	
B First Initial Flow Pressure	56 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	58 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	1103 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	74 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	74 P.S.I.			
G Final Closed-in Pressure	985 P.S.I.			
H Final Hydrostatic Mud	1974 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

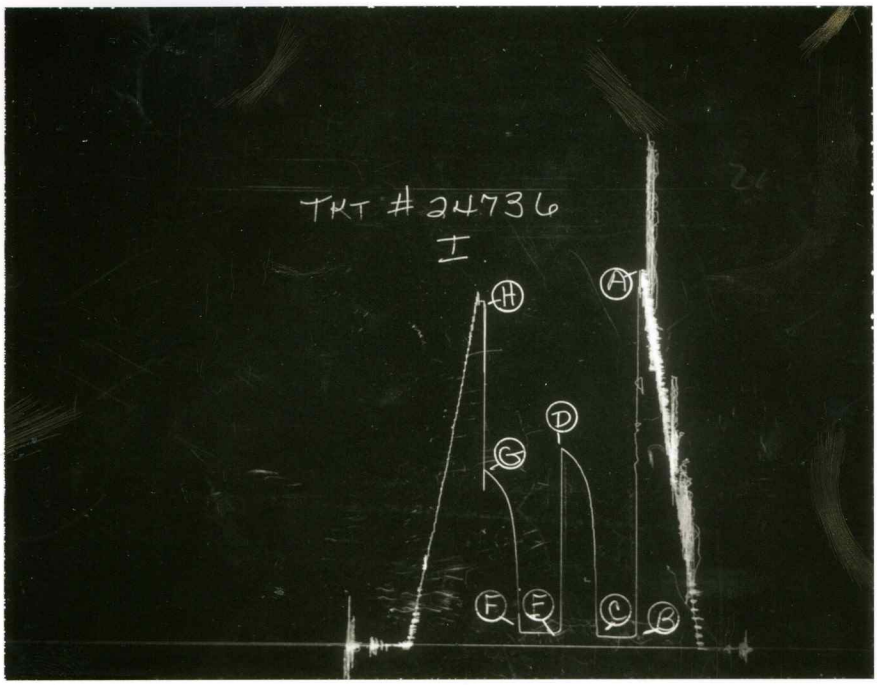
Initial Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point	Mins.	Press.	Point	Minutes	Press.	Point	Minutes	Press.	Point	Minutes	Press.
P 1	0	56		0	58		0	74		0	74
P 2	5	56		3	437		5	74		3	403
P 3	10	56		6	768		10	74		6	635
P 4	15	56		9	896		15	74		9	764
P 5	20	58		12	956		20	74		12	828
P 6	25	58		15	1004		25	74		15	869
P 7	30	58		18	1037		30	74		18	904
P 8				21	1060					21	933
P 9				24	1082					24	952
P10				27	1095					27	968
P11				30	1103					30	985
P12										33	
P13											
P14											
P15											
P16											
P17											
P18											
P19											
P20											

COMPANY Petroleum Inc. LEASE AND WELL NO. Johnson A-B #1 SEC. 4 TWP. 8 RGE. 23W TEST NO. 3 DATE 9-11



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2120	2104	PSI
(B)	First Initial Flow Pressure	41	56	PSI
(C)	First Final Flow Pressure	54	58	PSI
(D)	Initial Closed-in Pressure	1095	1103	PSI
(E)	Second Initial Flow Pressure	62	74	PSI
(F)	Second Final Flow Pressure	62	74	PSI
(G)	Final Closed-in Pressure	964	985	PSI
(H)	Final Hydrostatic Mud	2110	1974	PSI