MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company THUNDERBIRD DRILLING, INC.

Lease and Well No. DAVIS C-1

County LANE State KANSAS Date DECEMBER 11,1974

Formation Test No. 1 Total Depth 4224 Elev.

Interval Tested 4190 To 4224 Anchor Length 34'

Size Hole 7 7/8 Size Drill Pipe 4 1/2 F.H. Size Packer 6 3/4

Mud Weight 9.7 Viscosity 40 Water Loss 8.0 c.c. Bottom Hole Temp. °F

Chokes: Top 1/2 Bottom 1/2 Ticket No. 13075

Length of Drill Collar I. D. Length Flexweight 953 I. D. 2.76

RECOVERY

GOOD BLOW THROUGHOUT TEST.

360 FEET OF GAS IN PIPE.
510 FEET OF OIL CUT MUD.
60 FEET OF THIN OIL CUT MUD.
60 FEET OF SLIGHTLY OIL CUT SALT WATER.

Lease and Well No. DAVIS C-1 24-17S-28W SE SW SE

Formation Test No. 1

COMPANY THUNDERBIRD DRILLING, INC. DATE DECEMBER 11, 1974

LEASE DAVIS WELL NO. C-1 TEST NO. 1 TICKET NO. 13075

	TIME	PSI
INITIAL HYDRO MUD PRESSURE		2309
INITIAL CLOSED IN PRESSURE	45 MINUTES	896
INITIAL FLOW	45 MINUTES	65 to 179
FINAL FLOW	45 MINUTES	207 to 273
FINAL CLOSED IN PRESSURE	45 MINUTES	722
FINAL HYDRO MUD PRESSURE		2183

TOTAL DEPTH 4224

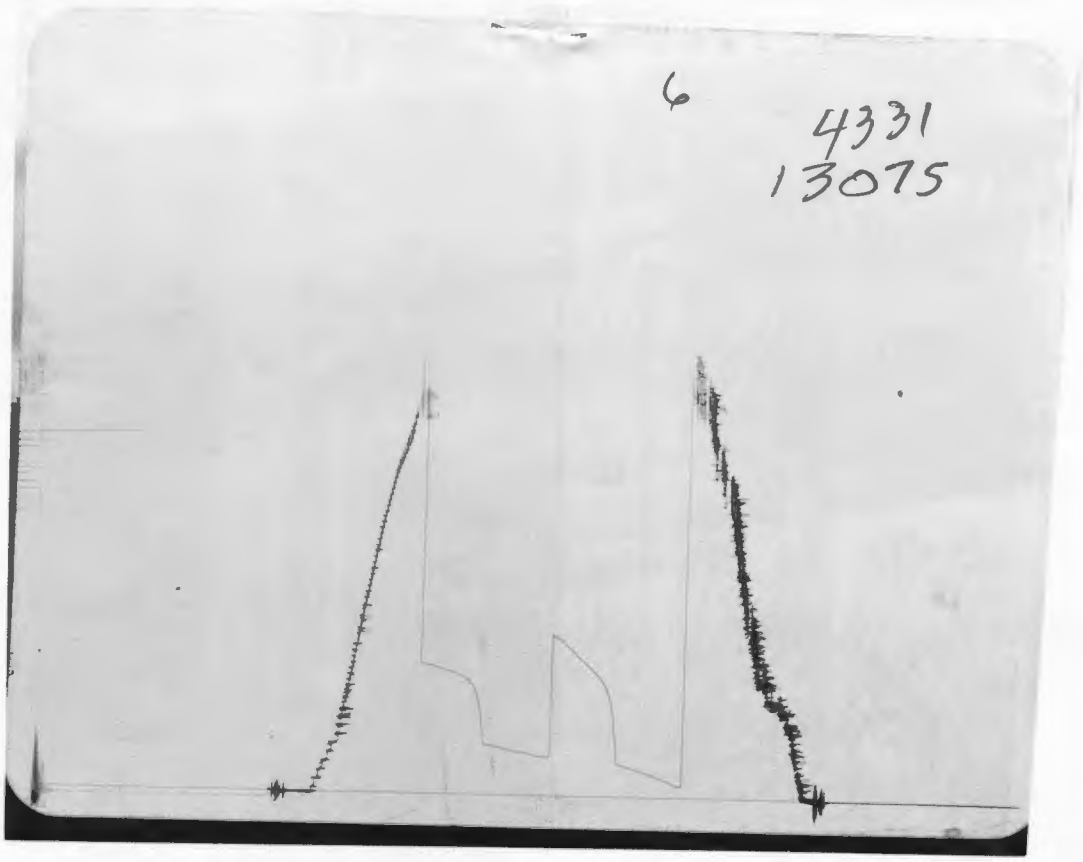
PACKER DEPTH 4190

BT. NO. 4331 DEPTH 4219

	1ST FLOW PRESSURE		INITIAL CIP		2ND FLOW PRESSURE		FINAL CIP	
		65		179		207		273
		120		567		247		599
		157		653		262		642
		179		696		273		664
				739				674
				771				689
				804				702
				847				707
				879				718
				896				722
	15 MINUTE INTERVAL		5 MINUTE INTERVAL		15 MINUTE INTERVAL		5 MINUTE INTERVAL	

REMARKS

SPECIAL PRESSURE DATA



Tool Open: 1st Flow ___ hr. 45 mins: Shut-in Initial ___ hr. 45 min: 2nd Flow ___ hr. 45 min: Shut-in Final ___ hr. 45 min.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	2161	2309
(B) Initial 1st Flow Pressure	65	65
(C) Final 1st Flow Pressure	174	179
(D) Initial Shut-in Pressure	890	896
(E) Initial 2nd Flow Pressure	196	207
(F) Final 2nd Flow Pressure	283	273
(G) Final Shut-in Pressure	728	722
(H) Final Hydrostatic Pressure	2151	2183

13075

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company THUNDERBIRD DRILLING, INC.

Lease and Well No. DAVIS C-1

County LANE State KANSAS Date DECEMBER 12, 1974

Formation Test No. 2 Total Depth 4247 Elev.

Interval Tested 4222 To 4247 Anchor Length 25'

Size Hole 7 7/8 Size Drill Pipe 4 1/2 F.H. Size Packer 6 3/4

Mud Weight 9.7 Viscosity 40 Water Loss 8 c.c. Bottom Hole Temp. 107 °F

Chokes: Top 1/2 Bottom 1/2 Ticket No. 13201

Length of Drill Collar I. D. Length Flexweight 953 I. D. 2.76

RECOVERY

GOOD BLOW THROUGHOUT TEST.

840 FEET OF GAS IN PIPE.
240 FEET OF CLEAN OIL.
60 FEET OF MUDDY OIL.
120 FEET OF HEAVY OIL CUT MUD.

Lease and Well No. DAVIS C-1 24-17S-28W SE SW SE

Formation Test No. 2

COMPANY THUNDERBIRD DRILLING, INC. DATE DECEMBER 12, 1974

LEASE DAVIS WELL NO. C-1 TEST NO. 2 TICKET NO. 13201

	TIME	PSI
INITIAL HYDRO MUD PRESSURE		2277
INITIAL CLOSED IN PRESSURE	45 MINUTES	644
INITIAL FLOW	45 MINUTES	41 to 98
FINAL FLOW	45 MINUTES	124 to 161
FINAL CLOSED IN PRESSURE	45 MINUTES	640
FINAL HYDRO MUD PRESSURE		2277

TOTAL DEPTH 4247

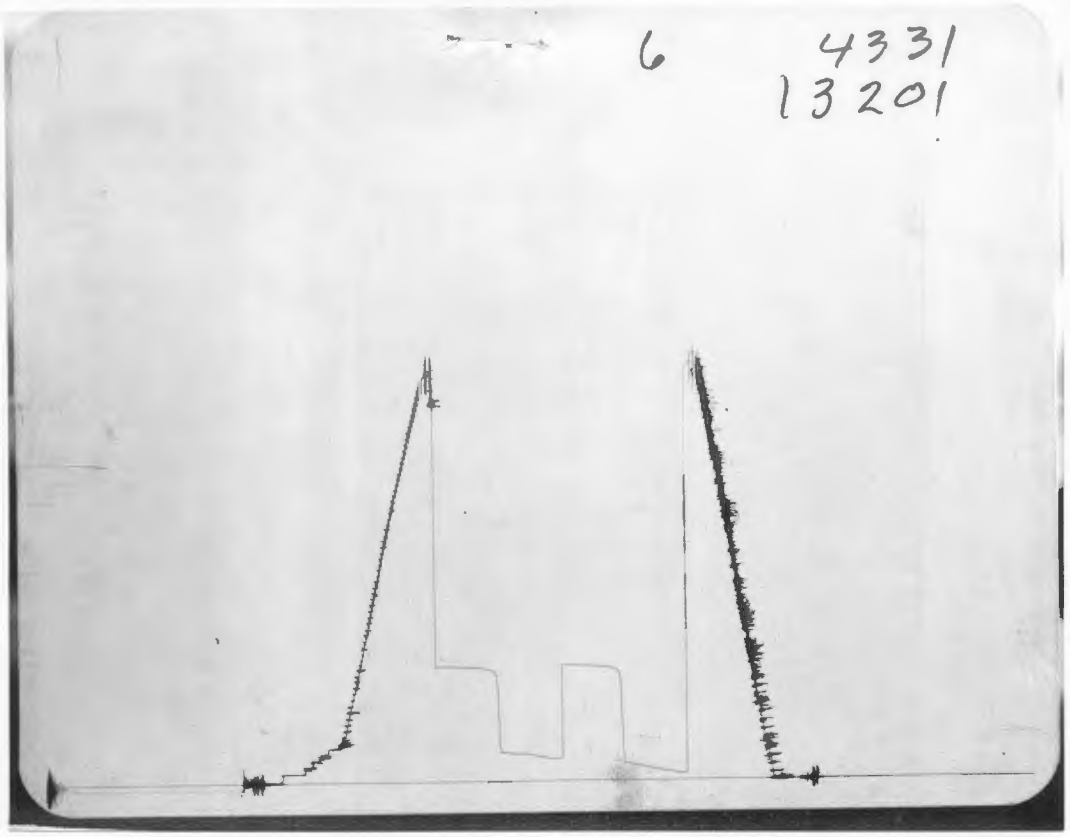
PACKER DEPTH 4222

BT. NO. 4331 DEPTH 4242

	1ST FLOW PRESSURE		INITIAL CIP		2ND FLOW PRESSURE		FINAL CIP	
		41		98		124		161
		54		610		131		621
		76		629		153		627
		98		636		161		631
				638				636
				640				638
				642				640
				644				640
				644				640
				644				640
	15	MINUTE INTERVAL	5	MINUTE INTERVAL	15	MINUTE INTERVAL	5	MINUTE INTERVAL

REMARKS

SPECIAL PRESSURE DATA



Tool Open: 1st Flow ___ hr. 45 mins: Shut-in Initial ___ hr. 45 min: 2nd Flow ___ hr. 45 min: Shut-in Final ___ hr. 45 min.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	2266	2277
(B) Initial 1st Flow Pressure	32	41
(C) Final 1st Flow Pressure	98	98
(D) Initial Shut-in Pressure	631	644
(E) Initial 2nd Flow Pressure	120	124
(F) Final 2nd Flow Pressure	152	161
(G) Final Shut-in Pressure	631	640
(H) Final Hydrostatic Pressure	2254	2277

13201

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company THUNDERBIRD DRILLING, INC.

Lease and Well No. DAVIS C-1

County LANE State KANSAS Date DECEMBER 12, 1974

Formation Test No. 3 Total Depth 4289 Elev.

Interval Tested 4252 To 4289 Anchor Length 37'

Size Hole 7 7/8 Size Drill Pipe 4 1/2 F.H. Size Packer 6 3/4

Mud Weight 9.7 Viscosity 45 Water Loss 7.2 c.c. Bottom Hole Temp. 114 °F

Chokes: Top 1/2 Bottom 1/2 Ticket No. 13202

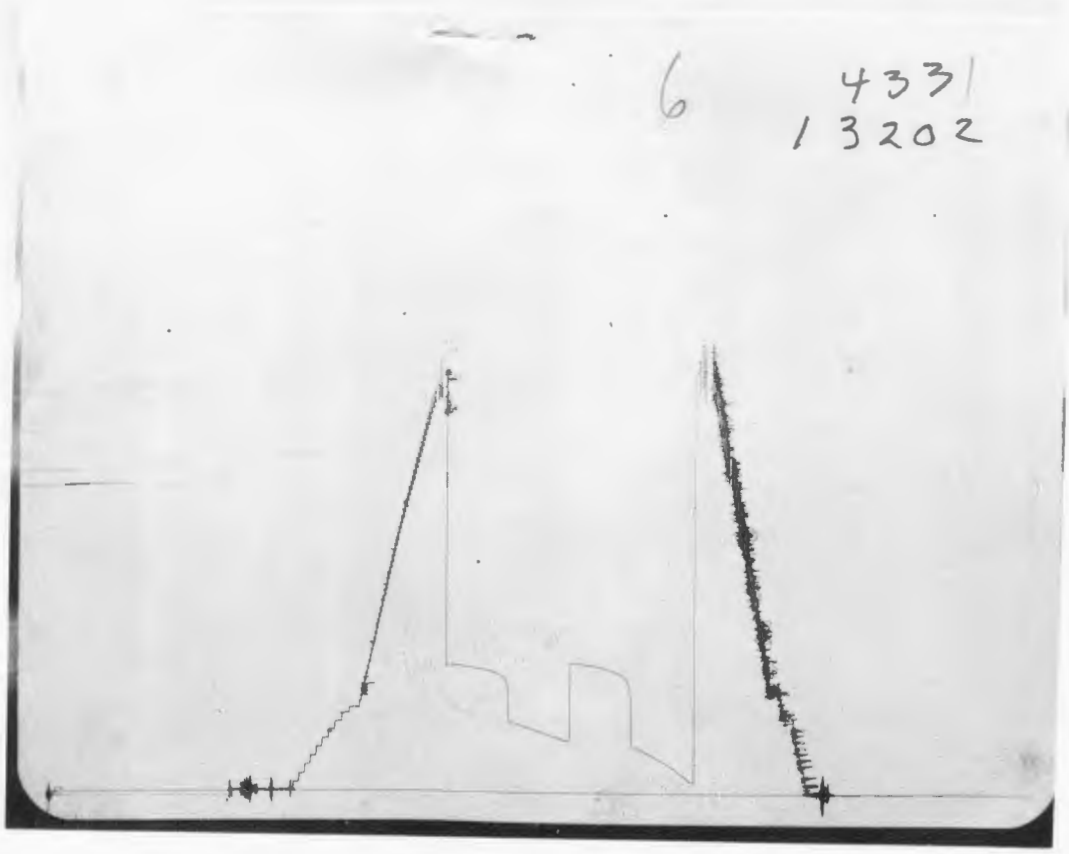
Length of Drill Collar I. D. Length Flexweight 953 I. D. 2.76

RECOVERY

GOOD BLOW THROUGHOUT TEST.

300 FEET OF OIL CUT MUD.
120 FEET OF OIL CUT MUDDY WATER.
410 FEET OF OILY WATER.

Lease and Well No. DAVIS C-1 24-17S-28W SE SW SE Formation Test No. 3



Tool Open: 1st Flow ___ hr. 45 mins: Shut-in Initial ___ hr. 45 min: 2nd Flow ___ hr. 45 min: Shut-in Final ___ hr. 45 min.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	2329	2351
(B) Initial 1st Flow Pressure	54	65
(C) Final 1st Flow Pressure	262	273
(D) Initial Shut-in Pressure	728	739
(E) Initial 2nd Flow Pressure	294	295
(F) Final 2nd Flow Pressure	393	404
(G) Final Shut-in Pressure	728	722
(H) Final Hydrostatic Pressure	2315	2267

13202

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company THUNDERBIRD DRILLING, INC.

Lease and Well No. DAVIS C-1

County LANE State KANSAS Date DECEMBER 14,1974

Formation Test No. 4 Total Depth 4440 Elev.

Interval Tested 4414 To 4440 Anchor Length 26'

Size Hole 7 7/8 Size Drill Pipe 4 1/2 F.H. Size Packer 6 3/4

Mud Weight 9.8 Viscosity 49 Water Loss 7.2 c.c. Bottom Hole Temp. 108 °F

Chokes: Top 1/2 Bottom 1/2 Ticket No. 13203

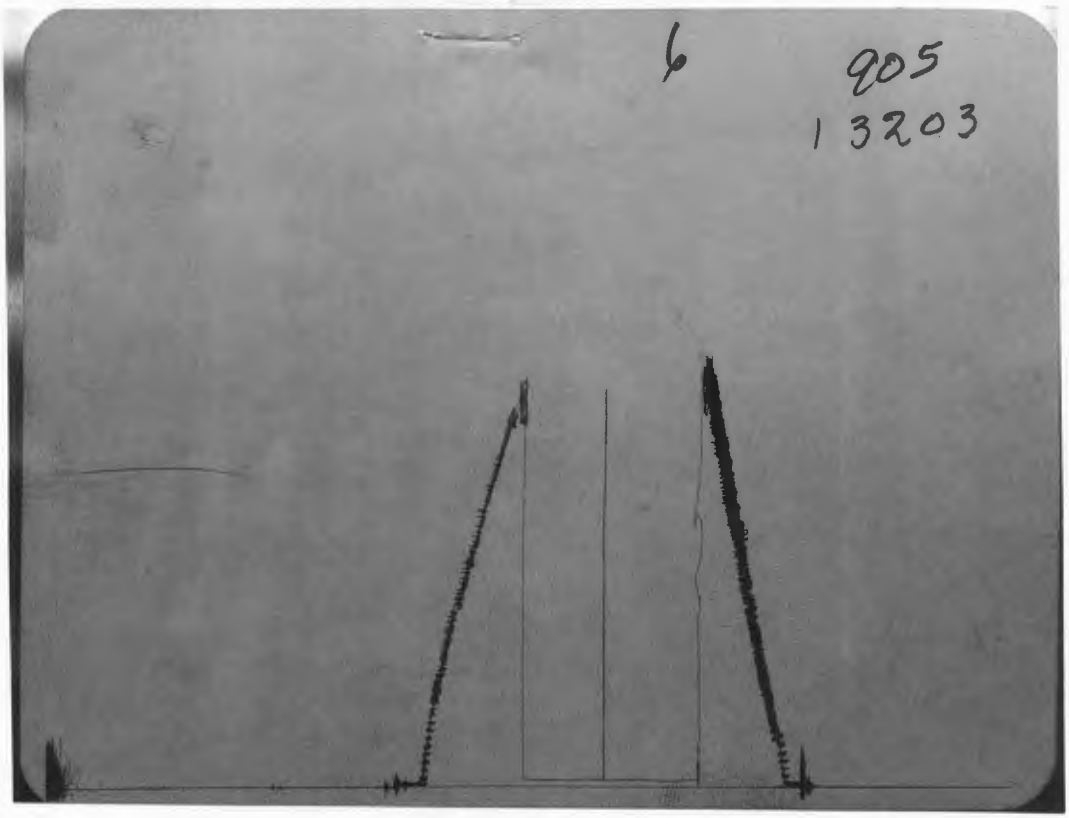
Length of Drill Collar I. D. Length Flexweight 953 I. D. 2.76

RECOVERY

WEAK BLOW FOR 12 MINUTES. FLUSHED TOOL IN 10 MINUTES ON SECOND OPENING. NO BLOW.

10 FEET OF DRILLING MUD.

Lease and Well No. DAVIS C-1 24-17S-28W SE SW SE Formation Test No. 4



Tool Open: 1st Flow ___ hr. 30 mins: Shut-in Initial ___ hr. 30 min: 2nd Flow ___ hr. 30 min: Shut-in Final ___ hr. 30 min.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	2525	2548
(B) Initial 1st Flow Pressure	60	41
(C) Final 1st Flow Pressure	60	41
(D) Initial Shut-in Pressure	60	41
(E) Initial 2nd Flow Pressure	60	41
(F) Final 2nd Flow Pressure	60	41
(G) Final Shut-in Pressure	60	41
(H) Final Hydrostatic Pressure	2511	2387

13203

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company THUNDERBIRD DRILLING, INC.

Lease and Well No. DAVIS C-1

County LANE State KANSAS Date DECEMBER 15, 1974

Formation Test No. 5 Total Depth 4590 Elev.

Interval Tested 4540 To 4590 Anchor Length 50'

Size Hole 7 7/8 Size Drill Pipe 4 1/2 F.H. Size Packer 6 3/4

Mud Weight 9.8 Viscosity 48 Water Loss 7.2 c.c. Bottom Hole Temp. 112 °F

Chokes: Top 1/2 Bottom 1/2 Ticket No. 13204

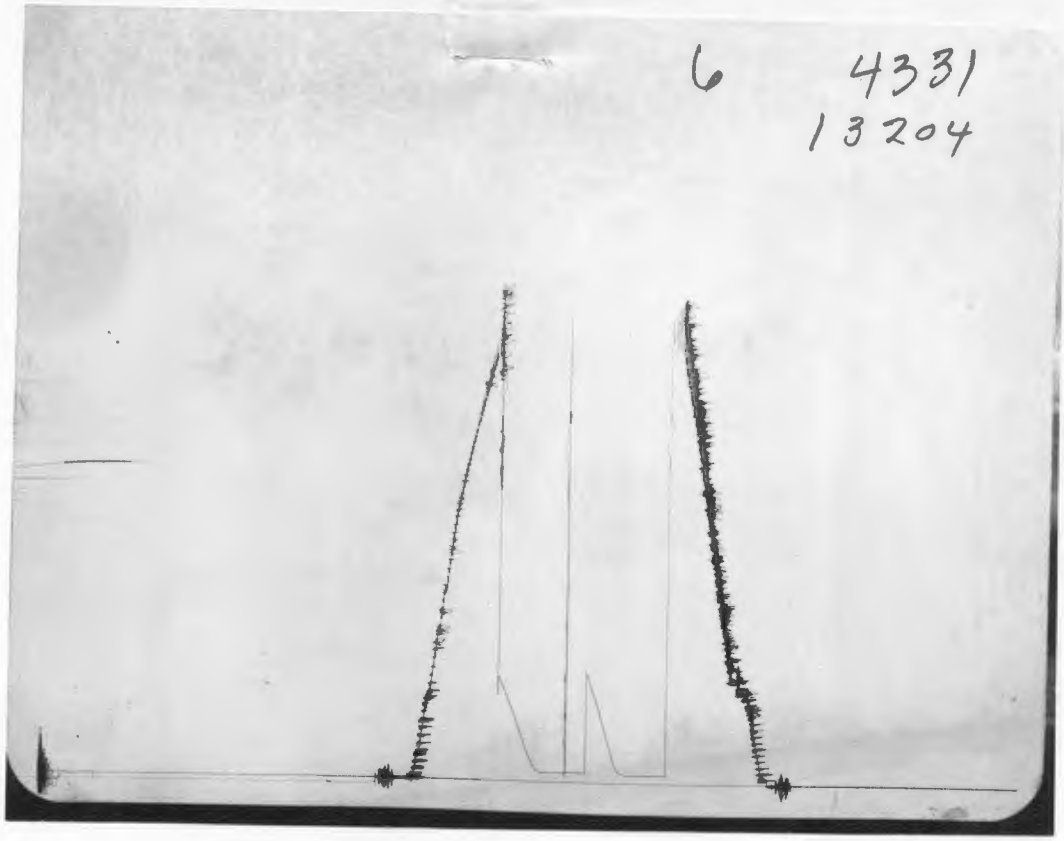
Length of Drill Collar I. D. Length Flexweight 953 I. D. 2.76

RECOVERY

WEAK BLOW FOR 21 MINUTES. FLUSHED TOOL IN 15 MINUTES ON SECOND OPENING. NO BLOW.

10 FEET OF DRILLING MUD.

Lease and Well No. DAVIS C-1 24-17S-28W SE SW SE Formation Test No. 5



Tool Open: 1st Flow ___ hr. 30 mins: Shut-in Initial ___ hr. 30 min: 2nd Flow ___ hr. 30 min: Shut-in Final ___ hr. 30 min.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	2497	2519
(B) Initial 1st Flow Pressure	43	44
(C) Final 1st Flow Pressure	43	44
(D) Initial Shut-in Pressure	609	614
(E) Initial 2nd Flow Pressure	43	54
(F) Final 2nd Flow Pressure	52	54
(G) Final Shut-in Pressure	588	588
(H) Final Hydrostatic Pressure	2476	2445

13204