

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company PICKRELL DRILLING COMPANY

Lease and Well No. CLARK-WELTY "A" #1

County HODGEMAN

State KANSAS

Date MARCH 5, 1975

Formation Test No.	<u>1</u>	Total Depth	<u>4422</u>	Elev.	<u>2244</u>	D.F.	
Interval Tested	<u>4381</u>	To	<u>4422</u>	Anchor Length	<u>41'</u>		
Size Hole	<u>7 7/8</u>	Size Drill Pipe	<u>4 1/2 F.H.</u>	Size Packer	<u>6 3/4</u>		
Mud Weight	<u>9.6</u>	Viscosity	<u>48</u>	Water Loss	<u>11.6</u>	c.c.	Bottom Hole Temp. <u>122</u> °F
Chokes: Top	<u>1/2"</u>	Bottom	<u>1/2"</u>	Ticket No.	<u>13326</u>		
Length of Drill Collar		I. D.		Length Flexweight	<u>566'</u>	I. D.	<u>2.76</u>

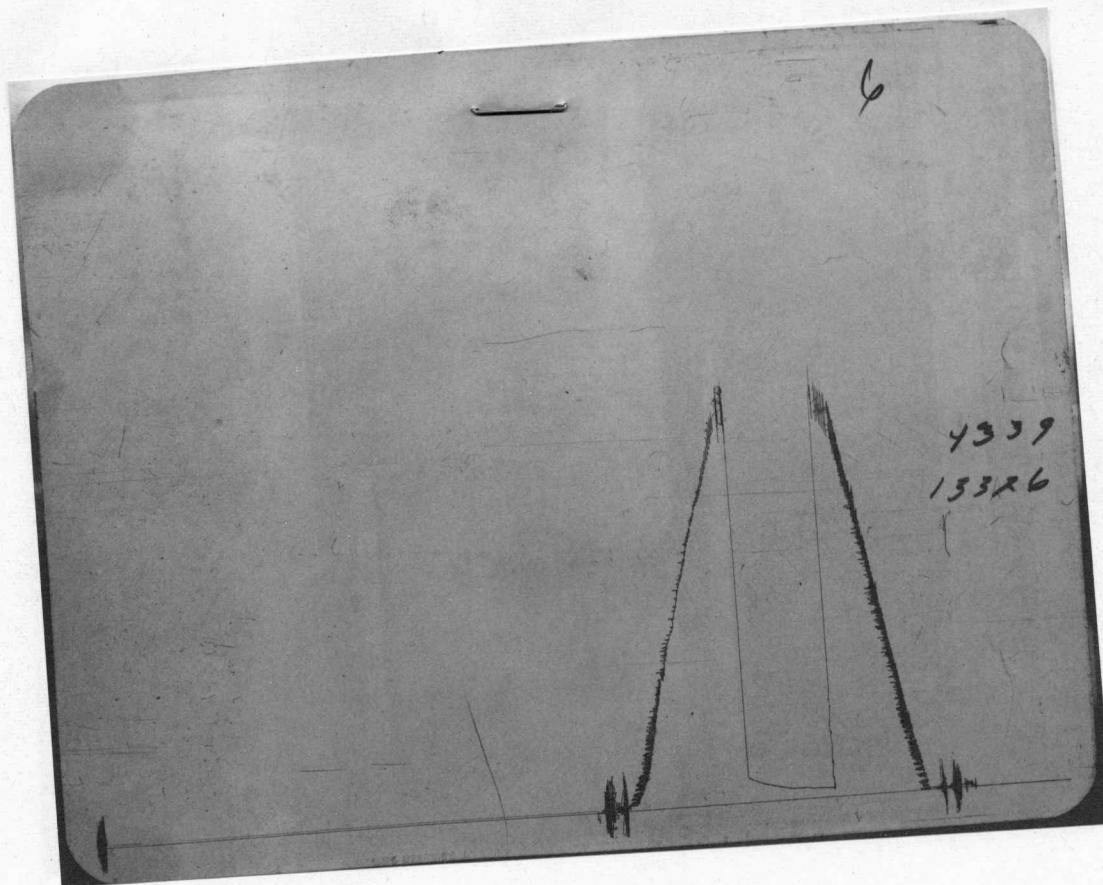
RECOVERY

WEAK BLOW. DEAD IN 26 MINUTES.

20 FEET OF MUD.

Lease and Well No. CLARK-WELTY "A" #1 27 22S 21W NE/SW

Formation Test No. 1



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

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2330</u>	<u>2329</u>
(B) Initial 1st Flow Pressure	<u>46</u>	<u>51</u>
(C) Final 1st Flow Pressure	<u>58</u>	<u>69</u>
(D) Initial Shut-in Pressure	<u>150</u>	<u>152</u>
(E) Initial 2nd Flow Pressure	<u>NONE TAKEN</u>	<u>NONE TAKEN</u>
(F) Final 2nd Flow Pressure	<u>NONE TAKEN</u>	<u>NONE TAKEN</u>
(G) Final Shut-in Pressure	<u>NONE TAKEN</u>	<u>NONE TAKEN</u>
(H) Final Hydrostatic Pressure	<u>2308</u>	<u>2286</u>

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GREAT BEND, KANSAS

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Lease and Well No. CLARK-WELTY "A" #1

County HODGEMAN

State KANSAS

Date MARCH 6, 1975

Formation Test No.	<u>2</u>	Total Depth	<u>4455</u>	Elev.	<u>2244</u>	D.F.
Interval Tested	<u>4427</u>	To	<u>4455</u>	Anchor Length	<u>28'</u>	
Size Hole	<u>7 7/8</u>	Size Drill Pipe	<u>4 1/2 F.H.</u>	Size Packer	<u>6 3/4</u>	
Mud Weight	<u>9.7</u>	Viscosity	<u>43</u>	Water Loss	<u>11.8</u>	c.c. Bottom Hole Temp. <u>124</u> °F
Chokes: Top	<u>1/2"</u>	Bottom	<u>1/2"</u>	Ticket No.	<u>13327</u>	
Length of Drill Collar		I. D.		Length Flexweight	<u>566'</u>	I. D. <u>2.76</u>

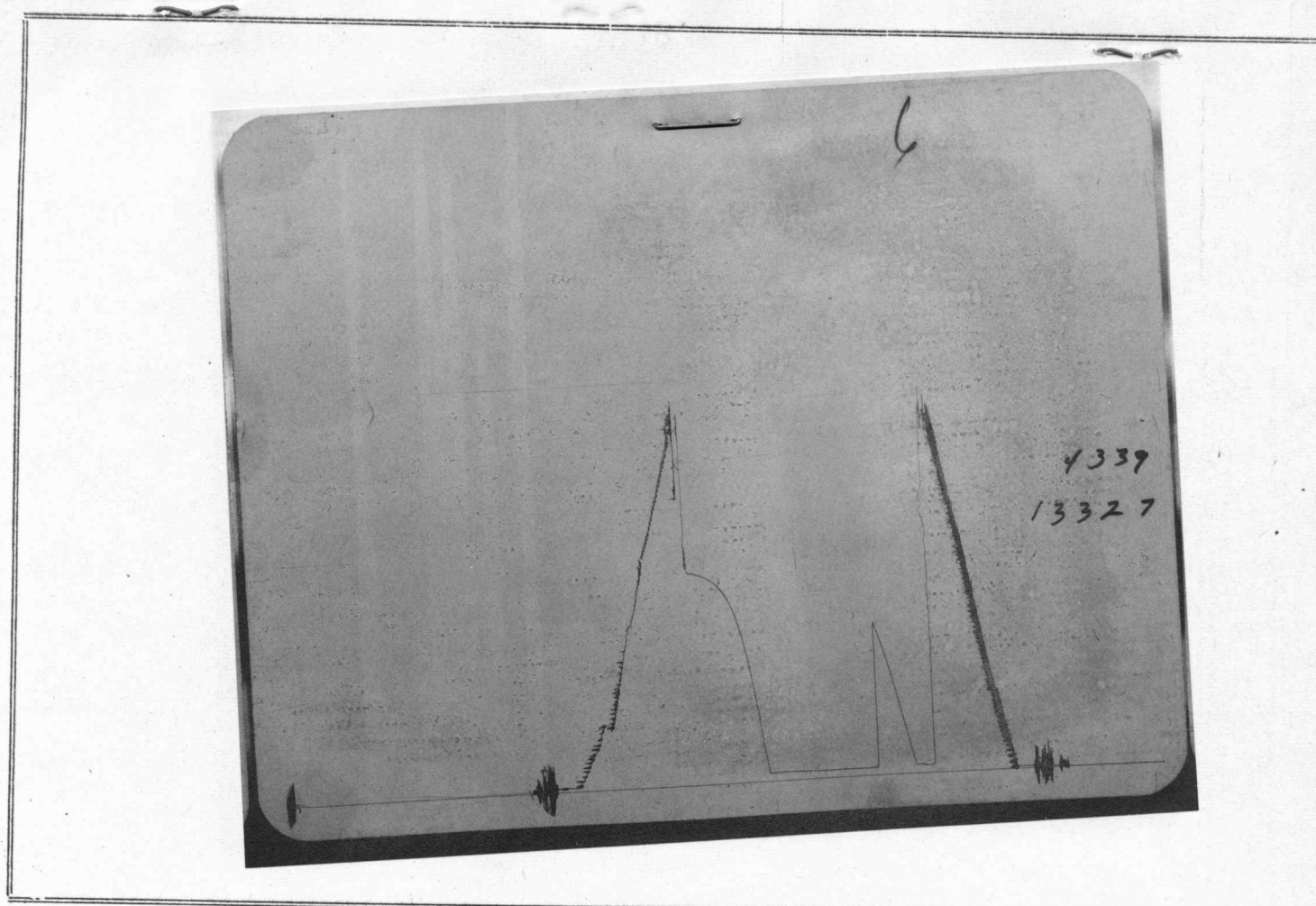
RECOVERY

STRONG TO SURGING BLOW. GAS TO SURFACE IN 15 MINUTES
OF SECOND OPENING. TOO SMALL TO MEASURE.

65 FEET OF GAS CUT MUD.

Lease and Well No. CLARK-WELTY "A" #1 27 22S 21W NE/SE

Formation Test No. 2



Tool Open: 1st Flow hr. 15 mins: Shut-in Initial hr. 30 min: 2nd Flow 1 hr. 30 min: Shut-in Final 1 hr. min

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2319</u>	<u>2340</u>
(B) Initial 1st Flow Pressure	<u>46</u>	<u>51</u>
(C) Final 1st Flow Pressure	<u>58</u>	<u>57</u>
(D) Initial Shut-in Pressure	<u>1009</u>	<u>1009</u>
(E) Initial 2nd Flow Pressure	<u>58</u>	<u>57</u>
(F) Final 2nd Flow Pressure	<u>58</u>	<u>57</u>
(G) Final Shut-in Pressure	<u>1385</u>	<u>1389</u>
(H) Final Hydrostatic Pressure	<u>2297</u>	<u>2319</u>

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GREAT BEND, KANSAS

Company PICKRELL DRILLING COMPANY

Lease and Well No. CLARK-WELTY "A" #1

County HODGEMAN

State KANSAS

Date MARCH 7, 1975

Formation Test No. <u>3</u>	Total Depth <u>4465</u>	Elev. <u>2244</u> D.F.
Interval Tested <u>4455</u>	To <u>4465</u>	Anchor Length <u>10'</u>
Size Hole <u>7 7/8</u>	Size Drill Pipe <u>4 1/2</u> F.H.	Size Packer <u>6 3/4</u>
Mud Weight <u>9.7</u>	Viscosity <u>44</u>	Water Loss <u>10.8</u> c.c. Bottom Hole Temp. <u>124</u> °F
Chokes: Top <u>1/2"</u>	Bottom <u>1/2"</u>	Ticket No. <u>13328</u>
Length of Drill Collar _____	I. D. _____	Length Flexweight <u>566'</u> I. D. <u>2.76</u>

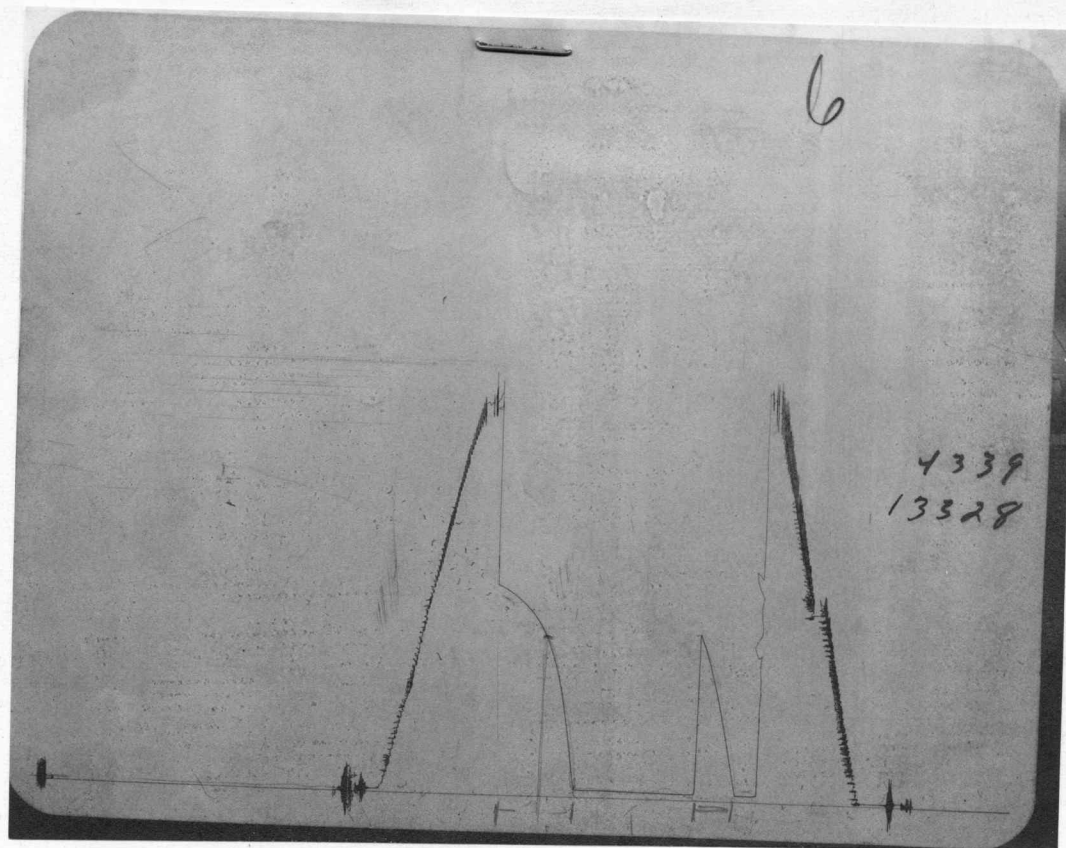
RECOVERY

STRONG BLOW THROUGHOUT TEST.

20 FEET OF ROTARY MUD.

Lease and Well No. CLARK-WELTY "A" #1 27 22S 21W NE/SW

Formation Test No. 3



Tool Open: 1st Flow 15 hrs. 15 mins: Shut-in Initial 30 min: 2nd Flow 1 hr. 30 min: Shut-in Final 1 hr. 30 min

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2352</u>	<u>2373</u>
(B) Initial 1st Flow Pressure	<u>35</u>	<u>34</u>
(C) Final 1st Flow Pressure	<u>35</u>	<u>37</u>
(D) Initial Shut-in Pressure	<u>975</u>	<u>786</u>
(E) Initial 2nd Flow Pressure	<u>35</u>	<u>37</u>
(F) Final 2nd Flow Pressure	<u>46</u>	<u>44</u>
(G) Final Shut-in Pressure	<u>1230</u>	<u>1234</u>
(H) Final Hydrostatic Pressure	<u>2330</u>	<u>2330</u>

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GREAT BEND, KANSAS

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Lease and Well No. CLARK-WELTY "A" #1

County HODGEMAN State KANSAS

Date MARCH 8, 1975

Formation Test No. 4 Total Depth 4480 Elev. 2244 D.F.
Interval Tested 4465 To 4480 Anchor Length 15'
Size Hole 7 7/8 Size Drill Pipe 4 1/2 F.H. Size Packer 6 3/4
Mud Weight 9.7 Viscosity 44 Water Loss 10.8 c.c. Bottom Hole Temp. 126 °F
Chokes: Top 1/2" Bottom 1/2" Ticket No. 13329
Length of Drill Collar I. D. Length Flexweight 566' I. D. 2.76

RECOVERY

STRONG BLOW THROUGHOUT TEST. GAS TO THE TOP WHEN WE
STARTED OUT OF THE HOLE.

30 FEET OF SLIGHTLY OIL AND GAS CUT MUD.
60 FEET OF HEAVY OIL AND GAS CUT MUD.
420 FEET OF CLEAN GASSY OIL.
1740 FEET OF SALT WATER.

Lease and Well No. CLARK-WELTY "A" #1 27 22S 21W NE/SW

Formation Test No. 4

COMPANY PICKRELL DRILLING COMPANYDATE MARCH 8, 1975LEASE CLARK-WELTY "A" WELL NO. 1TEST NO. 4TICKET NO. 13329

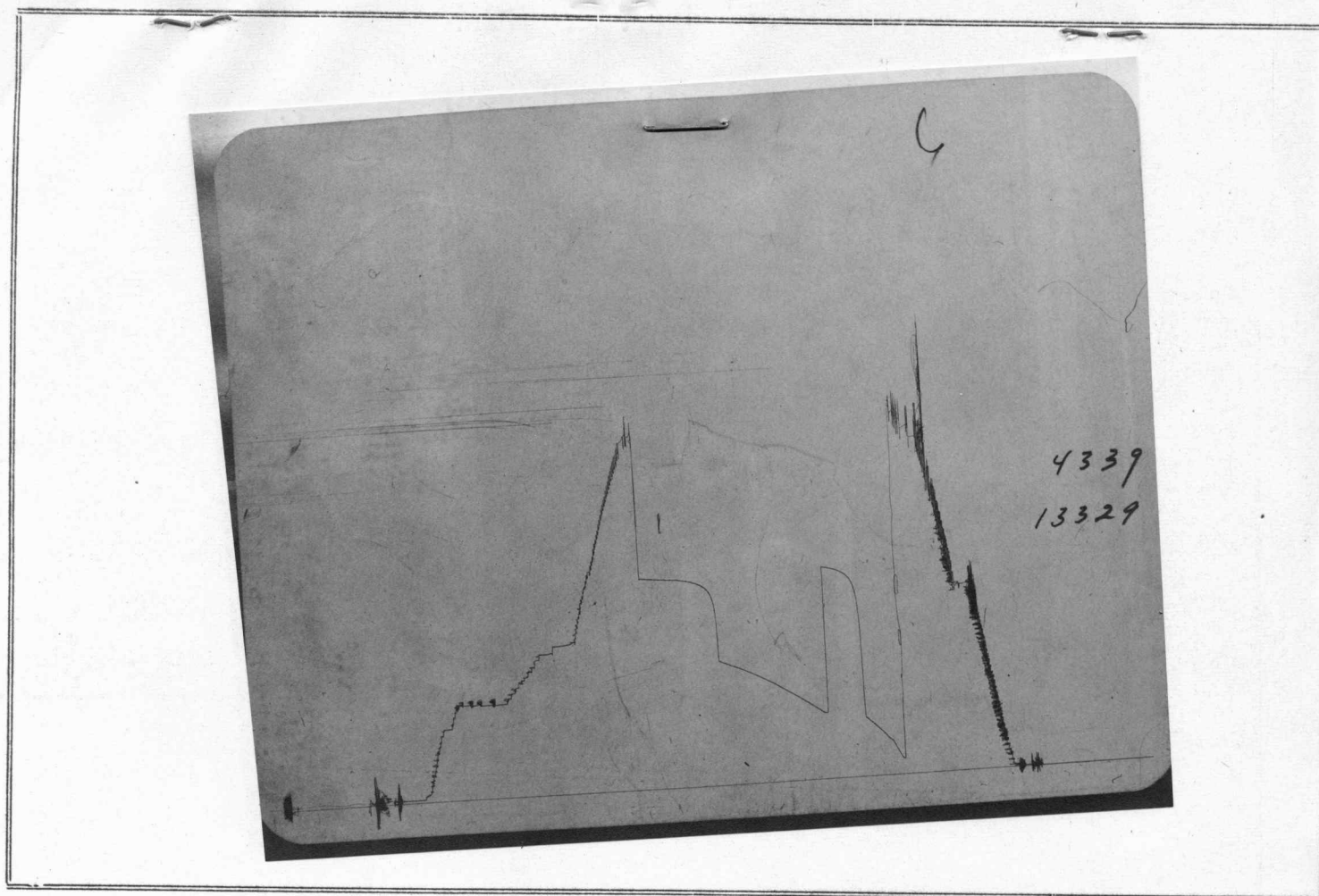
	TIME	PSI
INITIAL HYDRO MUD PRESSURE		2384
INITIAL CLOSED IN PRESSURE	30 MINS.	1378
INITIAL FLOW	30 MINS.	104-392
FINAL FLOW	90 MINS.	438-819
FINAL CLOSED IN PRESSURE	60 MINS.	1374
FINAL HYDRO MUD PRESSURE		2308

TOTAL DEPTH 4480PACKER DEPTH 4465BT. NO. 4339 DEPTH 4475

1ST FLOW PRESSURE		INITIAL CIP		2ND FLOW PRESSURE		FINAL CIP	
	104		392		438		819
	230		1252		518		1274
	322		1329		589		1307
	392		1352		663		1329
			1363		730		1341
			1374		774		1347
			1378		819		1352
							1354
							1356
							1365
							1369
							1371
							1374
10 MINUTE INTERVAL		5 MINUTE INTERVAL		15 MINUTE INTERVAL		5 MINUTE INTERVAL	

REMARKS _____

SPECIAL PRESSURE DATA



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

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2362</u>	<u>2384</u>
(B) Initial 1st Flow Pressure	<u>104</u>	<u>104</u>
(C) Final 1st Flow Pressure	<u>380</u>	<u>392</u>
(D) Initial Shut-in Pressure	<u>1374</u>	<u>1378</u>
(E) Initial 2nd Flow Pressure	<u>438</u>	<u>438</u>
(F) Final 2nd Flow Pressure	<u>808</u>	<u>819</u>
(G) Final Shut-in Pressure	<u>1363</u>	<u>1374</u>
(H) Final Hydrostatic Pressure	<u>2341</u>	<u>2308</u>

13329