

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company CITIES SERVICE OIL COMPANY

Lease and Well No. MOORE #B-4

County NESS State KANSAS Date 4-23-65

Formation Test No. #1 Total Depth 4402
 Interval Tested 4393 To 4402 Anchor Length 9'
 Size Hole 7 7/8 Size Drill Pipe 4 1/2 ACME 4 1/2 FH Size Packer 6 3/4
 Mud Weight 10.3 Viscosity 40 Bottom Hole Temp. 118 ° F
 Chokes: Top 1/2 Bottom 1/2 Ticket No. 7351

RECOVERY

WEAK STEADY BLOW THROUGHOUT TEST

120' GAS IN PIPE
103' HEAVY OIL CUT MUD

Lease and Well No. MOORE #B-4 30 19 21W Formation Test No. #1

COMPANY CITIES SERVICE OIL COMPANY DATE 4-23-65

LEASE MOORE WELL NO. B-4 TEST NO. 1 TICKET NO. 7351

	TIME	PSI
INITIAL HYDRO MUD PRESSURE	---	2505
INITIAL CLOSED IN PRESSURE	30 MINS	1266
INITIAL FLOW	----	26
FINAL FLOW	75 MINS	57
FINAL CLOSED IN PRESSURE	30 MINS	1171
FINAL HYDRO MUD PRESSURE	----	2452

TOTAL DEPTH 4402
 PACKER DEPTH 4393
 BT. NO. 2162 DEPTH 4397

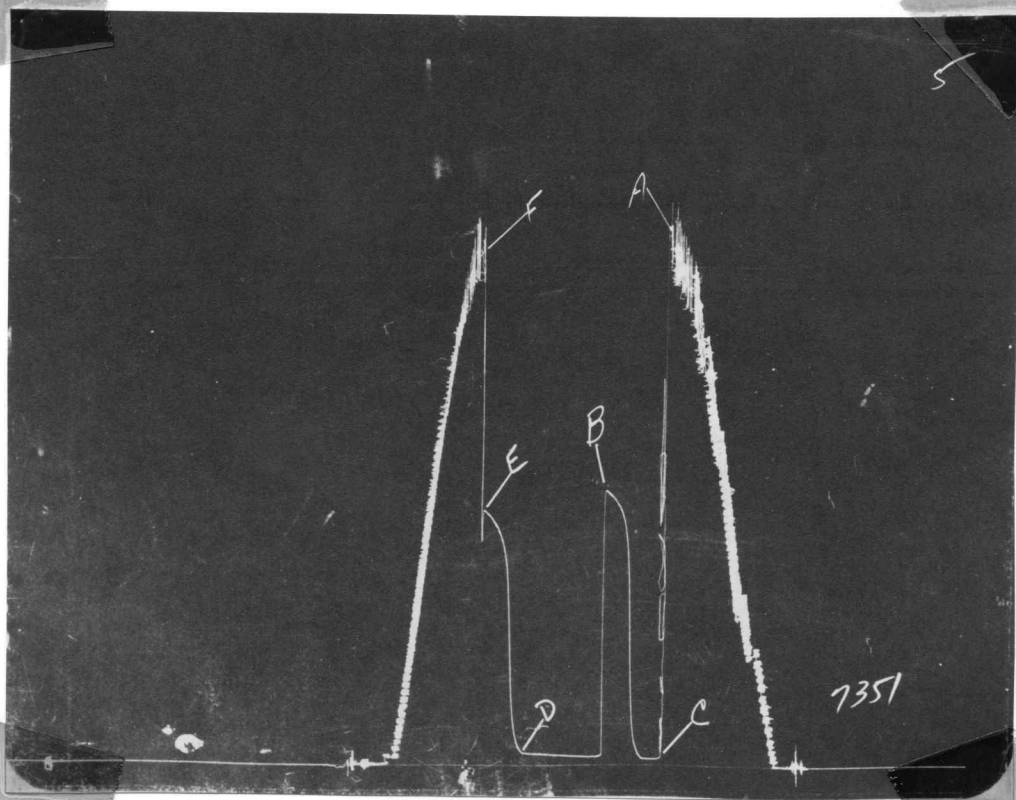
	1ST FLOW PRESSURE		INITIAL CIP		2ND FLOW PRESSURE		FINAL CIP	
	TIME DEFL. .000"	PSI TEMP. CORR.	TIME DEFL. .000"	PSI TEMP. CORR.	TIME DEFL. .000"	PSI TEMP. CORR.	TIME DEFL. .000"	PSI TEMP. CORR.
P0	.000	26	.000	26	.000	36	.000	57
P1	.042	26	.042	43	.083	36	.042	121
P2	.083	26	.083	173	.167	40	.083	718
P3	.125	26	.125	1150	.250	43	.125	1042
P4			.167	1202	.333	47	.167	1107
P5			.209	1237	.416	52	.209	1150
P6			.250	1266	.500	57	.250	1171
P7								
P8								
P9								
P10								
	5 MINUTE INTERVAL		5 MINUTE INTERVAL		10 MINUTE INTERVAL		5 MINUTE INTERVAL	

REMARKS _____

SPECIAL PRESSURE DATA

50-17-21

Pressure: Each Square _____ psi



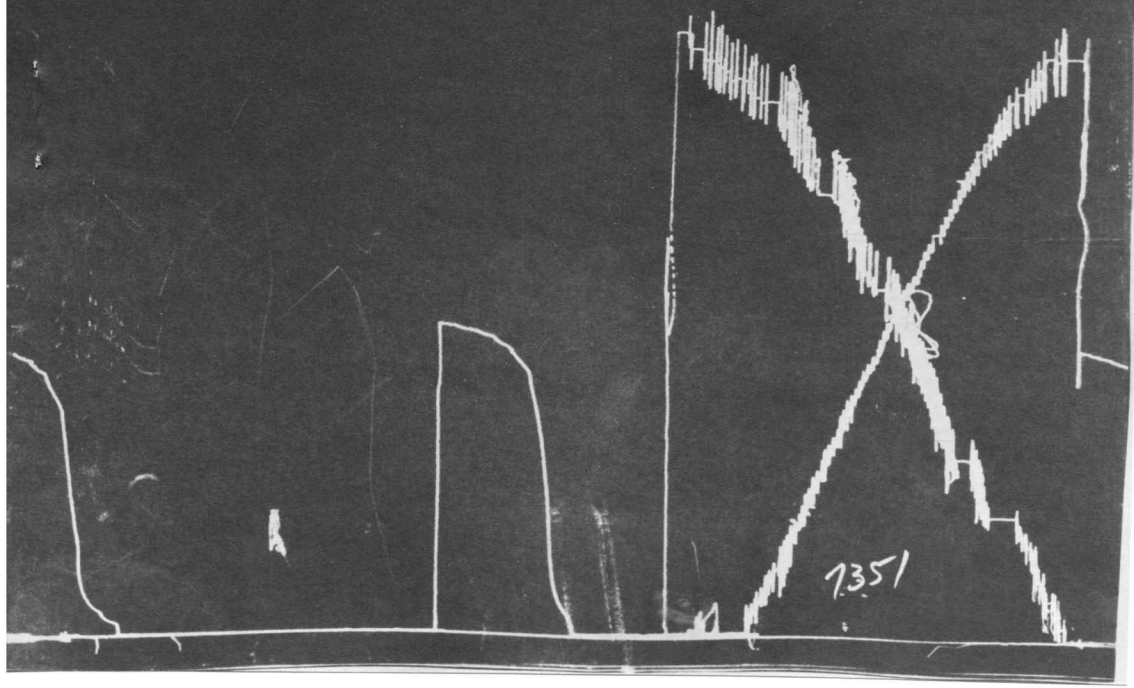
Tool Open: 1st Flow 15 hrs. 15 mins: 2nd Flow 1 hr. _____ mins: Shut-in: Initial _____ hr. 30 mins: Final _____ hr. 30 mins.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2341</u>	<u>2505</u>
(B) Initial Shut-in Pressure	<u>1262</u>	<u>1266</u>
(C) Initial Flow Pressure	<u>36</u>	<u>26</u>
(D) Final Flow Pressure	<u>57</u>	<u>57</u>
(E) Final Shut-in Pressure	<u>1181</u>	<u>1171</u>
(F) Final Hydrostatic Pressure	<u>2278</u>	<u>2452</u>

7351

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BOTTOM



MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

3

Company CITIES SERVICE OIL COMPANY

Lease and Well No. MOORE #B-4

County NESS State KANSAS Date 4-24-65

Formation Test No. #2 Total Depth 4412

Interval Tested 4402 To 4412 Anchor Length 10'

Size Hole 7 7/8 Size Drill Pipe 4 1/2 ACME 4 1/2 FH Size Packer 6 3/4

Mud Weight 10.1 Viscosity 47 Bottom Hole Temp. 118 ° F

Chokes: Top 1/2 Bottom 1/2 Ticket No. 7352

RECOVERY

FAIR BLOW THROUGHOUT TEST

180' GAS IN PIPE
189' HEAVY OIL CUP MUD
63' SLIGHTLY MUDDY OIL

Lease and Well No. MOORE #B-4 30 19 21W Formation Test No. #2

COMPANY CITIES SERVICE OIL COMPANY DATE 4-24-65

LEASE MOORE WELL NO. B-4 TEST NO. 2 TICKET NO. 7352

	TIME	PSI
INITIAL HYDRO MUD PRESSURE	----	2452
INITIAL CLOSED IN PRESSURE	30 MINS	1266
INITIAL FLOW	----	29
FINAL FLOW	75 MINS	104
FINAL CLOSED IN PRESSURE	30 MINS	1138
FINAL HYDRO MUD PRESSURE	----	2387

TOTAL DEPTH 4412

PACKER DEPTH 4402

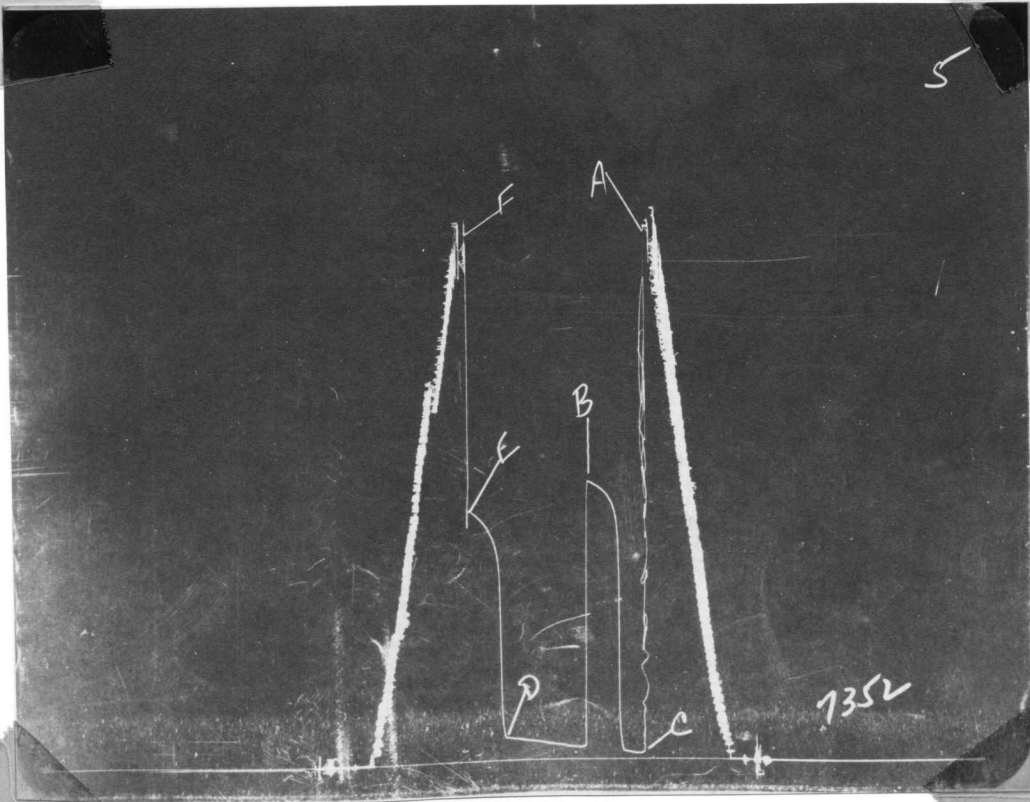
BT. NO. 2162 DEPTH 4407

	1ST FLOW PRESSURE		INITIAL CIP		2ND FLOW PRESSURE		FINAL CIP	
	TIME DEFL. .000"	PSI TEMP. CORR.	TIME DEFL. .000"	PSI TEMP. CORR.	TIME DEFL. .000"	PSI TEMP. CORR.	TIME DEFL. .000"	PSI TEMP. CORR.
P0	.000	29	.000	35	.000	55	.000	104
P1	.042	31	.042	173	.083	60	.042	934
P2	.083	33	.083	1161	.167	69	.083	1031
P3	.125	35	.125	1216	.250	78	.125	1081
P4			.167	1237	.333	86	.167	1107
P5			.209	1252	.416	95	.209	1121
P6			.250	1266	.500	104	.250	1138
P7								
P8								
P9								
P10								
	5 MINUTE INTERVAL		5 MINUTE INTERVAL		10 MINUTE INTERVAL		5 MINUTE INTERVAL	

REMARKS _____

SPECIAL PRESSURE DATA

50-19-21

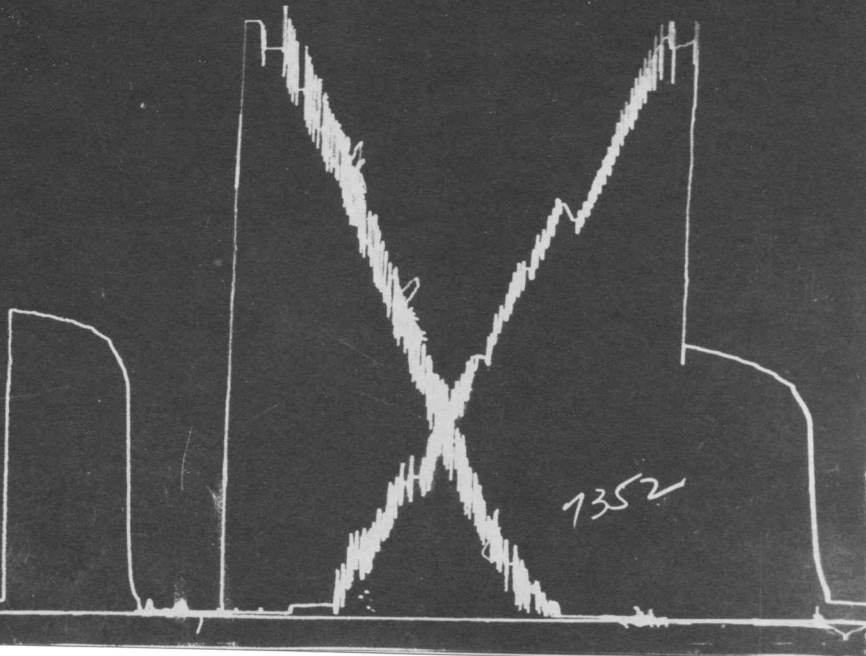


Tool Open: 1st Flow hr. 15 mins: 2nd Flow 1 hr. mins: Shut-in: Initial hr. 30 mins: Final hr. 30 mins.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2431</u>	<u>2452</u>
(B) Initial Shut-in Pressure	<u>1262</u>	<u>1266</u>
(C) Initial Flow Pressure	<u>38</u>	<u>29</u>
(D) Final Flow Pressure	<u>105</u>	<u>104</u>
(E) Final Shut-in Pressure	<u>1152</u>	<u>1138</u>
(F) Final Hydrostatic Pressure	<u>2360</u>	<u>2387</u>

7352

Bottom



MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

3

Company CITIES SERVICE OIL COMPANY

Lease and Well No. MOORE #B-4

County NESS State KANSAS Date 4-24-65

Formation Test No. #3 Total Depth 4422

Interval Tested 4412 To 4422 Anchor Length 10'

Size Hole 7 7/8 Size Drill Pipe 4 1/2 ACME 4 1/2 FH Size Packer 6 3/4

Mud Weight 10.1 Viscosity 47 Bottom Hole Temp. 120 ° F

Chokes: Top 1/2 Bottom 1/2 Ticket No. 7353

RECOVERY

GOOD BLOW THROUGHOUT TEST

660' GAS IN PIPE
519' FREE OIL
180' SLIGHTLY MUDDY OIL
240' MUDDY OIL

939' FLUID

Lease and Well No. MOORE #B-4

30 19 21W

Formation Test No. #3

COMPANY CITIES SERVICE OIL COMPANY DATE 4-24-65

LEASE MOORE WELL NO. B-4 TEST NO. 3 TICKET NO. 7353

	TIME	PSI
INITIAL HYDRO MUD PRESSURE	---	2461
INITIAL CLOSED IN PRESSURE	30 MINS	1358
INITIAL FLOW	---	43
FINAL FLOW	80 MINS	348
FINAL CLOSED IN PRESSURE	30 MINS	1349
FINAL HYDRO MUD PRESSURE	----	2364

TOTAL DEPTH 4422
 PACKER DEPTH 4412
 BT. NO. 2162 DEPTH 4417

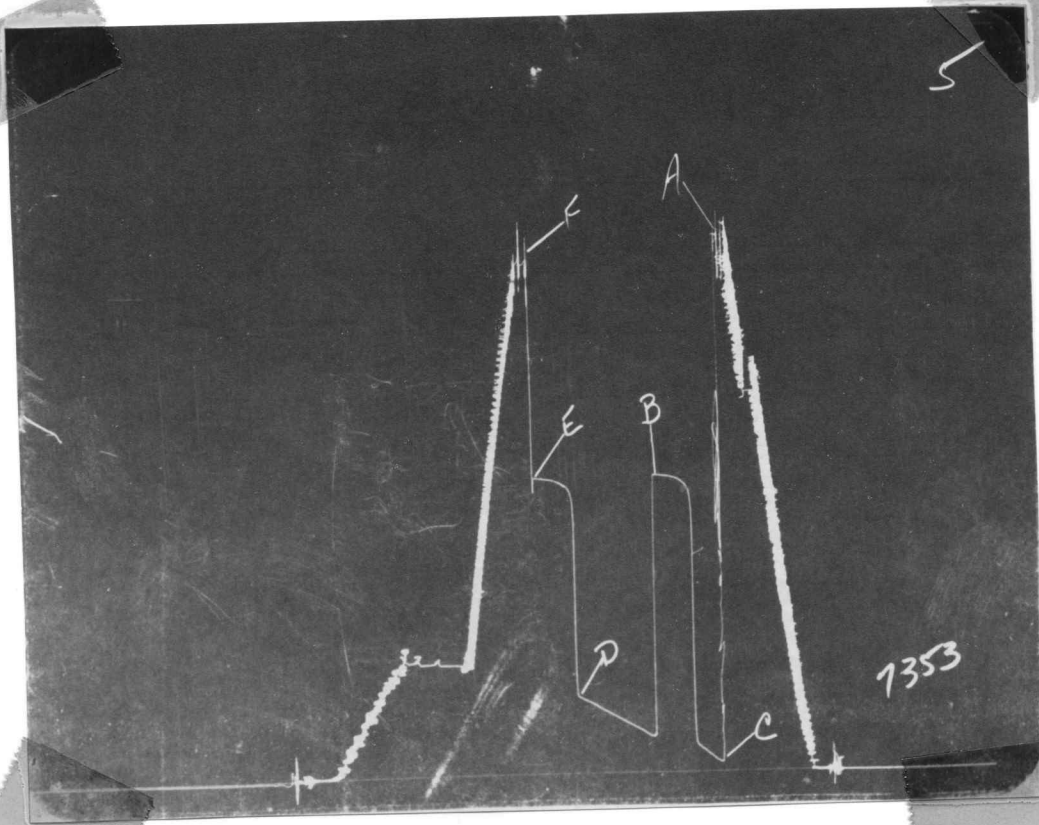
	1ST FLOW PRESSURE		INITIAL CIP		2ND FLOW PRESSURE		FINAL CIP	
	TIME DEFL. .000"	PSI TEMP. CORR.	TIME DEFL. .000"	PSI TEMP. CORR.	TIME DEFL. .000"	PSI TEMP. CORR.	TIME DEFL. .000"	PSI TEMP. CORR.
P0	.000	43	.000	112	.000	161	.000	348
P1	.042	52	.042	1301	.083	192	.042	1313
P2	.083	59	.083	1332	.167	225	.083	1332
P3	.125	86	.125	1346	.250	259	.125	1341
P4	.167	112	.167	1351	.333	294	.167	1344
P5			.209	1355	.416	323	.209	1349
P6			.250	1358	.500	348	.250	1349
P7								
P8								
P9								
P10								
	5 MINUTE INTERVAL		5 MINUTE INTERVAL		10 MINUTE INTERVAL		5 MINUTE INTERVAL	

REMARKS _____

SPECIAL PRESSURE DATA

20-17-27-06

Pressure: Each Square _____ psi



Tool Open: 1st Flow _____ hr. 20 mins: 2nd Flow 1 hr. _____ mins: Shut-in: Initial _____ hr. 30 mins: Final _____ hr. 30 mins.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2454</u>	<u>2461</u>
(B) Initial Shut-in Pressure	<u>1351</u>	<u>1358</u>
(C) Initial Flow Pressure	<u>51</u>	<u>43</u>
(D) Final Flow Pressure	<u>346</u>	<u>348</u>
(E) Final Shut-in Pressure	<u>1335</u>	<u>1349</u>
(F) Final Hydrostatic Pressure	<u>2376</u>	<u>2364</u>

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Bottom

