

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company CITIES SERVICE OIL COMPANY
Lease and Well No. MERTEN #B-1
County NESS State KANSAS Date 5-28-65

Formation Test No. #1 Total Depth 4260
Interval Tested 4221 To 4260 Anchor Length 39'
Size Hole 7 7/8 Size Drill Pipe 4 1/2 ACME Size Packer 6 3/4
Mud Weight 9.9 Viscosity 48 Bottom Hole Temp. 109 ° F
Chokes: Top 1/2 Bottom 1/2 Ticket No. 7370

RECOVERY

GOOD BLOW DECREASING TO FAIR BY END OF TEST

1020' GAS IN PIPE
140' OIL AND GAS CUT MUD

Lease and Well No. MERTEN #B-1 19 19S 22W

Formation Test No. #1

SPECIAL PRESSURE DATA

COMPANY CITIES SERVICE OIL COMPANY DATE 5-28-65

LEASE MERTEN WELL NO. B#1 TEST NO. 1 TICKET NO. 7370

	TIME	PSI
INITIAL HYDRO MUD PRESSURE	----	2311
INITIAL CLOSED IN PRESSURE	30 MINS	138
INITIAL FLOW	----	60
FINAL FLOW	60 MINS	80
FINAL CLOSED IN PRESSURE	30 MINS	101
FINAL HYDRO MUD PRESSURE	----	2268

TOTAL DEPTH 4260

PACKER DEPTH 4221

BT. NO. 2162 DEPTH 4255

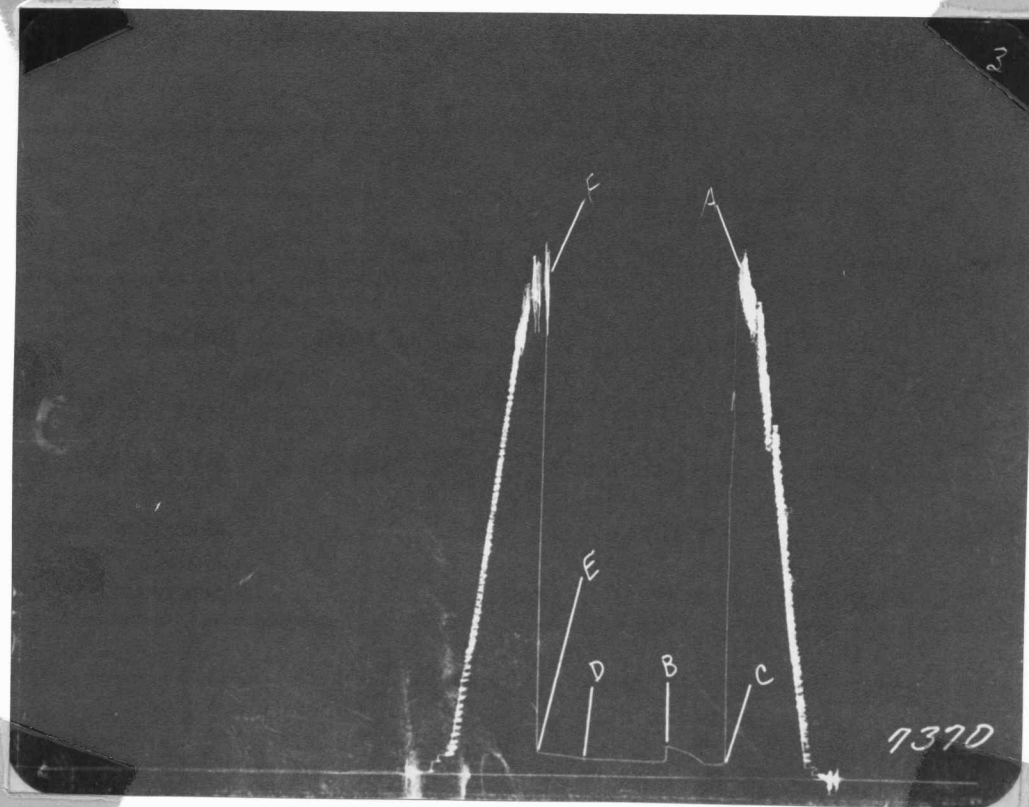
	1ST FLOW PRESSURE		INITIAL CIP		2ND FLOW PRESSURE		FINAL CIP	
	TIME DEFL. .000"	PSI TEMP. CORR.	TIME DEFL. .000"	PSI TEMP. CORR.	TIME DEFL. .000"	PSI TEMP. CORR.	TIME DEFL. .000"	PSI TEMP. CORR.
P0	.000	60	.000	60	.000	69	.000	80
P1	.042	60	.042	86	.083	70	.042	86
P2	.083	60	.083	104	.167	71	.083	91
P3	.125	60	.125	117	.250	73	.125	95
P4			.167	125	.333	75	.167	97
P5			.209	132	.416	78	.209	99
P6			.250	138	.500	80	.250	101
P7								
P8								
P9								
P10								
	5 MINUTE INTERVAL		5 MINUTE INTERVAL		10 MINUTE INTERVAL		5 MINUTE INTERVAL	

REMARKS _____

SPECIAL PRESSURE DATA

Time: Each Square _____ minutes

Pressure: Each Square _____ psi



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>2311</u>	<u>2311</u>
(B) Initial Shut-in Pressure	<u>140</u>	<u>138</u>
(C) Initial Flow Pressure	<u>60</u>	<u>60</u>
(D) Final Flow Pressure	<u>79</u>	<u>80</u>
(E) Final Shut-in Pressure	<u>112</u>	<u>101</u>
(F) Final Hydrostatic Pressure	<u>2276</u>	<u>2268</u>

7370

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GREAT BEND, KANSAS

Company CITIES SERVICE OIL COMPANY

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County NESS State KANSAS Date 5-28-65

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Interval Tested 4221 To 4260 Anchor Length 39'
Size Hole 7 7/8 Size Drill Pipe 4 1/2 ACME Size Packer 6 3/4
Mud Weight 9.9 Viscosity 48 Bottom Hole Temp. 109 ° F
Chokes: Top 1/2 Bottom 1/2 Ticket No. 7370

RECOVERY

GOOD BLOW DECREASING TO FAIR BY END OF TEST

1020' GAS IN PIPE
140' OIL AND GAS CUT MUD

Lease and Well No. MERTEN #B-1 19 19S 22W

Formation Test No. #1

SPECIAL PRESSURE DATA

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

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Company CITIES SERVICE OIL COMPANY

Lease and Well No. MERTEN #B-1

County NESS State KANSAS Date 5-29-65

Formation Test No. #2 Total Depth 4355
Interval Tested 4346 To 4355 Anchor Length 9'
Size Hole 7 7/8 Size Drill Pipe 4 1/2 ACME Size Packer 6 3/4
Mud Weight 10.1 Viscosity 46 Bottom Hole Temp. 128 ° F
Chokes: Top 1/2 Bottom 1/2 Ticket No. 7521

RECOVERY

GOOD BLOW THROUGHOUT TEST

840' FREE OIL
50' WATER
12' MUD

217' GAS IN PIPE

902' TOTAL FLUID

Lease and Well No.

MERTEN #B-1

19 19S 22W

Formation Test No.

#2

SPECIAL PRESSURE DATA

COMPANY CITIES SERVICE OIL COMPANY DATE 5-29-65LEASE MERTEN WELL NO. B #1 TEST NO. 2 TICKET NO. 7521

	TIME	PSI
INITIAL HYDRO MUD PRESSURE	-----	2360
INITIAL CLOSED IN PRESSURE	30 MINS	1232
INITIAL FLOW	-----	39
FINAL FLOW	75 MINS	347
FINAL CLOSED IN PRESSURE	30 MINS	935
FINAL HYDRO MUD PRESSURE	-----	2310

TOTAL DEPTH 4355PACKER DEPTH 4346BT. NO. 905 DEPTH 4350

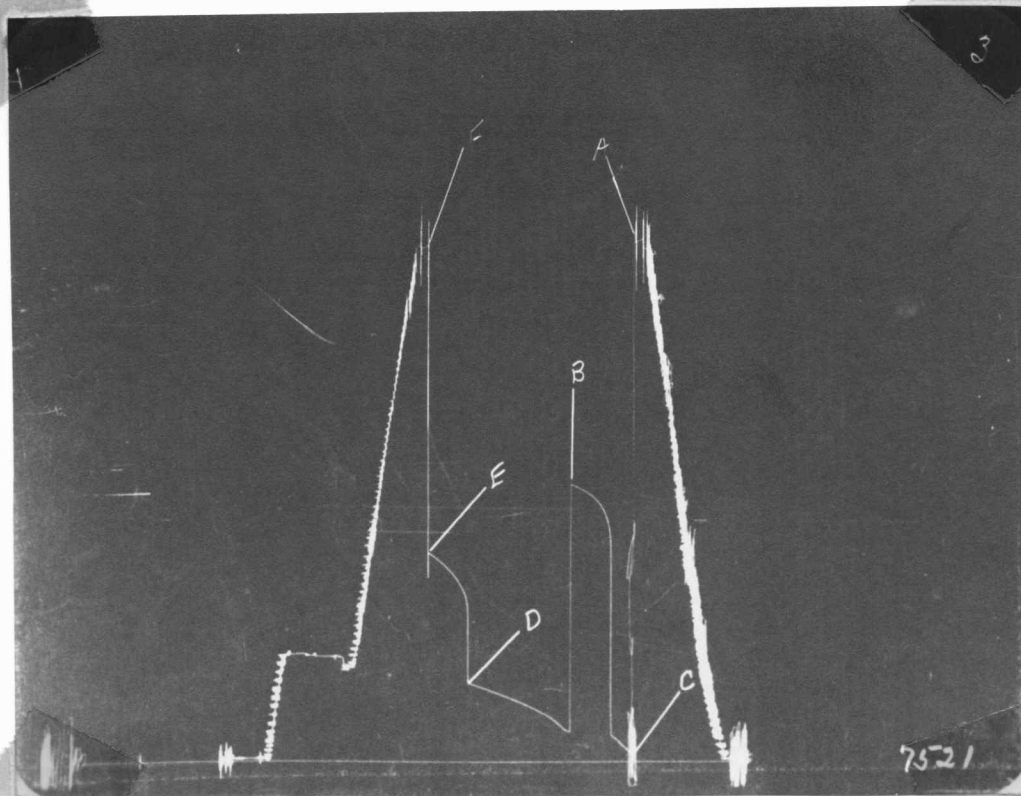
	1ST FLOW PRESSURE		INITIAL CIP		2ND FLOW PRESSURE		FINAL CIP	
	TIME DEFL. .000"	PSI TEMP. CORR.	TIME DEFL. .000"	PSI TEMP. CORR.	TIME DEFL. .000"	PSI TEMP. CORR.	TIME DEFL. .000"	PSI TEMP. CORR.
P0	.000	39	.000	120	.000	135	.000	347
P1	.042	70	.042	1127	.083	185	.042	795
P2	.083	100	.083	1170	.167	220	.083	840
P3	.125	120	.125	1190	.250	245	.125	865
P4			.167	1205	.333	270	.167	892
P5			.209	1220	.416	295	.209	920
P6			.250	1232	.500	316	.250	935
P7					.583	340		
P8					.625	347		
P9								
P10								
	5	MINUTE INTERVAL	5	MINUTE INTERVAL	10	MINUTE INTERVAL	5	MINUTE INTERVAL

REMARKS _____

SPECIAL PRESSURE DATA

Time: Each Square _____ minutes

Pressure: Each Square _____ psi



Shut-in: Initial _____ hr. 30 mins: Final _____ hr. 30 mins

Bottom Chart
Outside Recorder

Reading

360

232

39

347

935

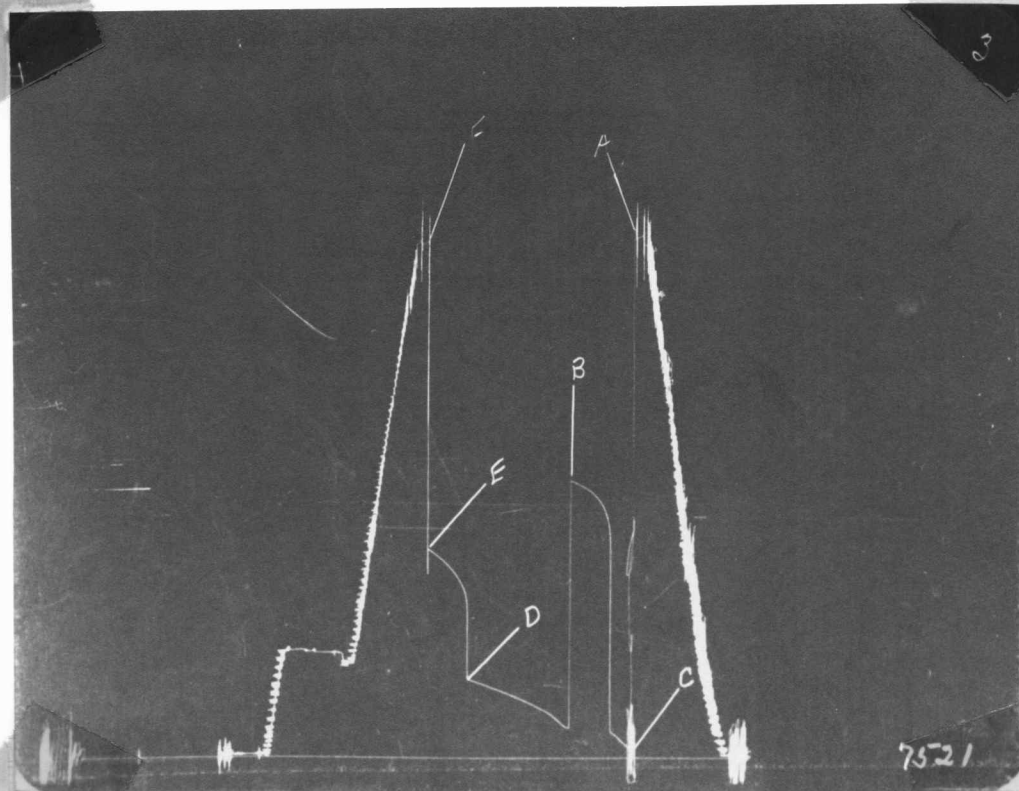
2310

521

7521

Time: Each Square _____ minutes

Pressure: Each Square _____ psi



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

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	2345	2360
(B) Initial Shut-in Pressure	1240	1232
(C) Initial Flow Pressure	42	39
(D) Final Flow Pressure	347	347
(E) Final Shut-in Pressure	927	935
(F) Final Hydrostatic Pressure	2310	2310

7521