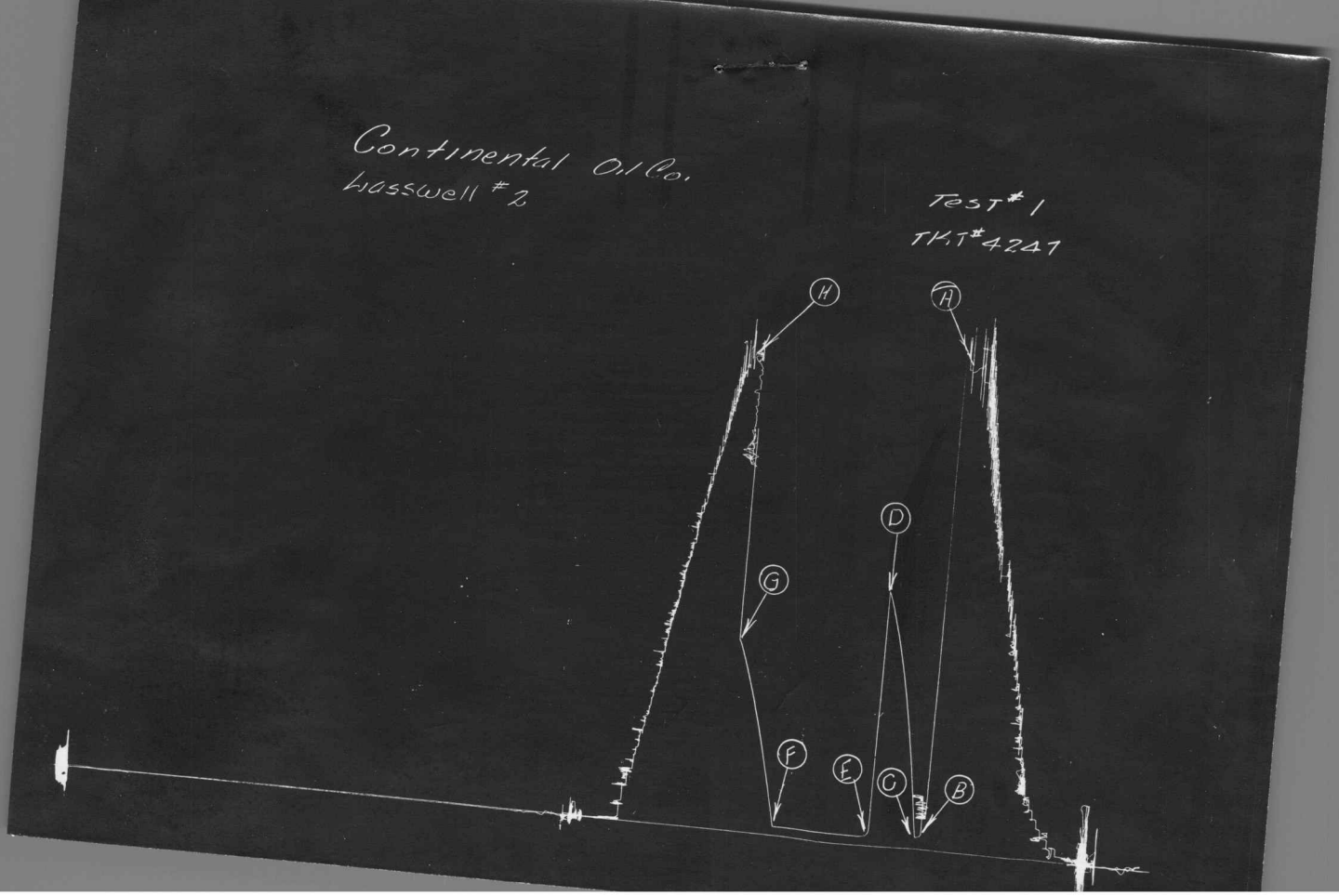
Continental Oil Co.
Wasswell #2
Test #1
TK.T #4247
H
A
D
G
F
E
G
B

WESTERN TESTERS

Home Office: Great Bend, Kansas

P. O. Box 793 GLadstone 3-7903

Company Continental Oil Company Lease & Well No. Lasswell #2

Elevation 1397 Kelly Bushings; Formation - Miss. Ticket Number 4247

Date April 25, 1965 Sec. 19 Twp. 33s Range 11w County Barber State Kansas

Test Approved by John D. Hill Western Representative George A. Tew

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Formation Test No. 1 O.K. x Misrun ____ Interval Tested From 4460' to 4493' Total Depth 4493'

Size Main Hole 7 7/8 Rat Hole None Conv. x B.T. ____ Damaged ____ Yes ____ No x Conv. ____ B.T. x Damaged ____ Yes ____ No x

Packer Depth 4460 Ft. Size 6 3/4 Packer Depth 4455 Ft. Size 6 3/4

Straddle ____ Yes x No ____ Conv. ____ B.T. ____ Damaged ____ Yes ____ No

Packer Depth ____ Ft Size ____

Tool Size 5½ OD Tool Jt. Size 4½ FH Anchor Length 33 Ft. Size 5½ OD

RECORDERS Depth 4484 Ft Clock No. 6861 Depth 4487 Ft. Clock No. 107

Top Make Kuster Cap. 4200 No. 1559 Inside ~~Outside~~ Bottom Make Western Cap. 4000 No. 60 ~~Inside~~ Outside

Below Straddle: Depth ____ Clock No. ____ Inside Outside Depth ____ Ft. Clock No. ____ Inside Outside

Top Make ____ Cap. ____ No. ____ Inside Outside Bottom Make ____ Cap. ____ No. ____ Inside Outside

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Time Set Packer 5:22 P M

Tool Open I.F.P. From 5:25P M to 5:30 M Hr. 5 Min. From (B) 58 P.S.I. To (C) 54 P.S.I.

Tool Closed I.C.I.P. From 5:30 P M. to 6:00P M. Hr. 30 Min. (D) 1198 P.S.I.

Tool Open F.F.P. From 6:00P M. to 7:00P M. 1 Hr. ____ Min. From (E) 41 P.S.I. To (F) 41 P.S.I.

Tool Closed F.C.I.P. From 7:00P M. to 7:30P M. Hr. 30 Min. (G) 901' P.S.I.

Inital Hydrostatic Pressure (A) 2263 P.S.I. Final Hydrostatic Pressure (H) 2244 P.S.I.

SURFACE INFORMATION Size Choke 1/2 In. Max. Press. P.S.I. Time Description of Flow

____ ____ ____ M. ____

____ ____ ____ M. ____

____ ____ ____ M. ____

BLOW Good blow. Gas to surface in 55 minutes. Bottom Choke Size 3/4 In.

Did Well Flow x Yes ____ No Recovery Total Ft. 30' gas cut mud

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Reversed Out ____ Yes x No Mud Type starch Viscosity 32 Weight 9.5 Maximum Temp. 123 °F Mud

EXTRA EQUIPMENT: Dual Packers yes Safety Joint yes Jars: Size 4½ OD Make Bowen Ser. No. 2330

Type Circ. Sub plug Did Tool Plug? no Where? ____ Did Packer Hold? yes

Length Drill Pipe 3855 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe ____ ft. I.D. Weight Pipe ____ in. Length Drill Collars 578 ft.

I. D. Drill Collars 2.25 in. Length D. S. T. Tool 60 ft.

Remarks

WHELAN PRINTERS

WESTERN TESTING CO., INC.
Pressure Data

Date April 25, 1965 Test Ticket No. 4247

Recorder No. 1559 Capacity 4200 Location 4484 Ft.

Clock No. 6861 Elevation 1397 Kelly Bushings Well Temperature 123 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	2263 P.S.I.	Opened Tool	5:22 PM	
B	First Initial Flow Pressure	58 P.S.I.	First Flow Pressure	5 Mins.	4 Mins.
C	First Final Flow Pressure	54 P.S.I.	Initial Closed-in Pressure	30 Mins.	34 Mins.
D	Initial Closed-in Pressure	1198 P.S.I.	Second Flow Pressure	60 Mins.	61 Mins.
E	Second Initial Flow Pressure	41 P.S.I.	Final Closed-in Pressure	30 Mins.	34 Mins.
F	Second Final Flow Pressure	41 P.S.I.			
G	Final Closed-in Pressure	901 P.S.I.			
H	Final Hydrostatic Mud	2244 P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.

Breakdown: 2 Inc.

of 2 mins. and a

final inc. of 0 Min.

Point Mins.	Press.
P 1 0	58
P 2 2	56
P 3 4	54
P 4	
P 5	
P 6	
P 7	
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In

Breakdown: 17 Inc.

of 2 mins. and a

final inc. of 0 Min.

Point Minutes	Press.
0	54
2	179
4	271
6	355
8	424
10	489
12	556
14	624
16	680
18	753
20	816
22	880
24	945
26	1008
28	1064
30	1117
32	1177
34	1198

Second Flow Pressure

Breakdown: 30 Inc.

of 2 mins. and a

final inc. of 1 Min.

Point Minutes	Press.
0	41
2	41
4	41
6	41
8	41
10	41
12	41
14	41
16	41
18	41
20	41
22	41
24	41
26	41
28	41
30	41
32	41
34	41
36	41
38	41
40	41
42	41
44	41
46	41
48	41
50	41
52	41
54	41
56	41

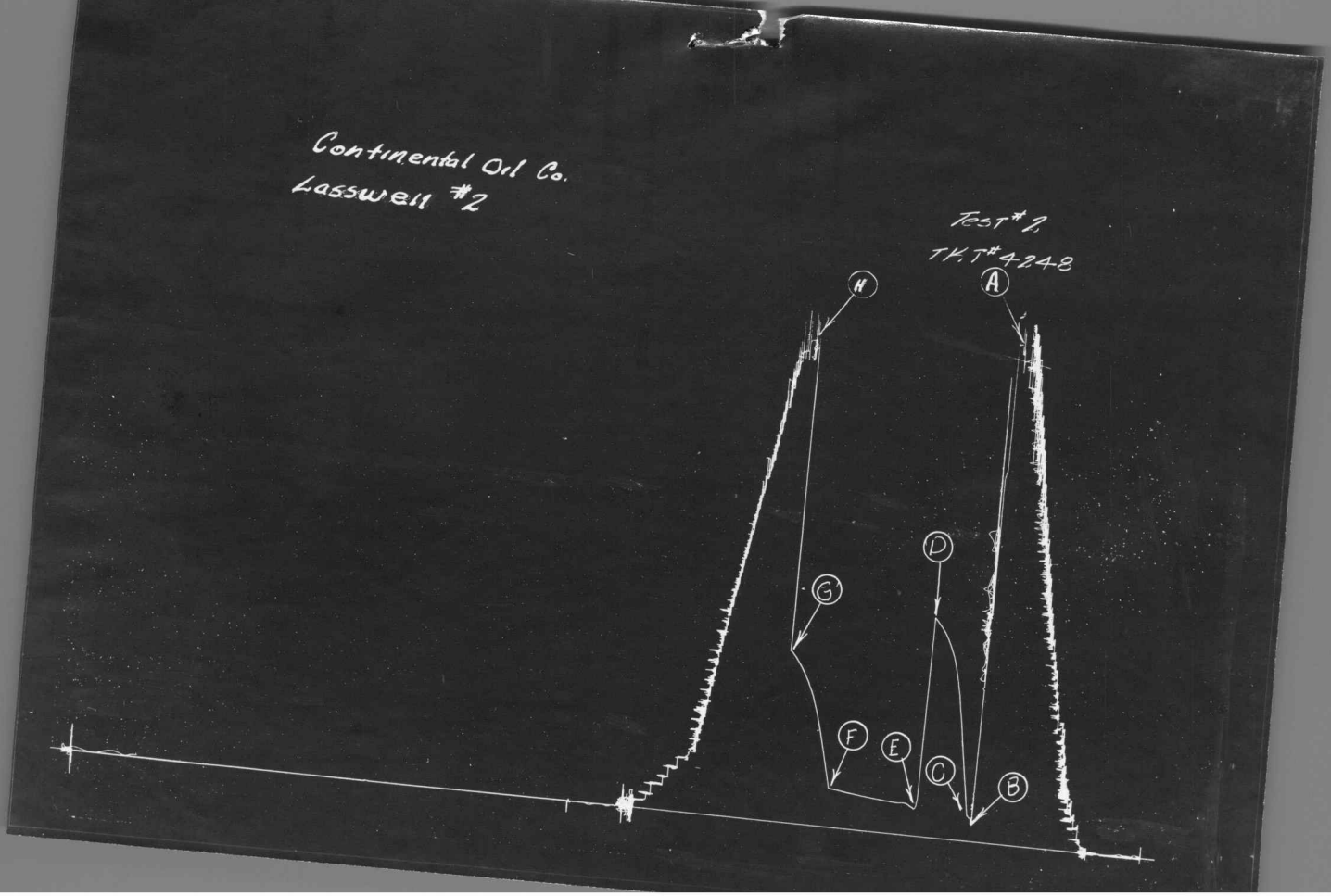
Final Shut-In

Breakdown: 17 Inc.

of 2 mins. and a

final inc. of 0 Min.

Point Minutes	Press.
0	41
2	119
4	177
6	240
8	294
10	351
12	399
14	458
16	502
18	549
20	593
22	637
24	680
26	720
28	768
30	805
32	853
34	901


Continental Oil Co.
Lasswell #2
Test #2,
TK. T#4248
H
A
D
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C
B

WESTERN TESTERS

Home Office: Great Bend, Kansas

P. O. Box 793 GLadstone 3-7903

Company Continental Oil Company Lease & Well No. Lasswell #2

Elevation 1397 Derrick Floor; Formation - Miss. Ticket Number 4248

Date April 26, 1965 Sec. 19 Twp. 33s Range 11w County Barber State Kansas

Test Approved by John D. Hill Western Representative George A. Tew

Formation Test No. 2 O.K. x Misrun ____ Interval Tested From 4524' to 4565' Total Depth 4565'

Size Main Hole 7 7/8 Rat Hole None Conv. x B.T. ____ Damaged ____ Yes x No Conv. ____ B.T. x Damaged ____ Yes x No

Packer Depth 4524 Ft. Size 6 3/4 Packer Depth 4519 Ft. Size 6 3/4

Straddle ____ Yes x No ____ Conv. ____ B.T. ____ Damaged ____ Yes ____ No

Packer Depth ____ Ft Size ____

Tool Size 5 ½ OD Tool Jt. Size 4½ FH Anchor Length 41 Ft. Size 5½ OD

RECORDERS

Top Make Kuster Cap. 4200 No. 1559 Depth 4557 Ft Clock No. 6861 Inside Outside

Bottom Make Western Cap. 4000 No. 60 Depth 4560 Ft. Clock No. 107 Inside Outside

Below Straddle: Top Make ____ Cap. ____ No. ____ Depth ____ Clock No. ____ Inside Outside

Below Straddle: Bottom Make ____ Cap. ____ No. ____ Depth ____ Ft. Clock No. ____ Inside Outside

Time Set Packer 10:22A M

Tool Open I.F.P. From 10:25A M to 10:30A M Hr. 5 Min. From (B) 104 P.S.I. To (C) 110 P.S.I.

Tool Closed I.C.I.P. From 10:30A M. to 11:00 M. Hr. 30 Min. (D) 1035 P.S.I.

Tool Open F.F.P. From 11:00A M. to 12:00 M. 1 Hr. ____ Min. From (E) 127 P.S.I. To (F) 181 P.S.I.

Tool Closed F.C.I.P. From 12;00 M. to 12:30P M. Hr. 30 Min. (G) 816 P.S.I.

Inital Hydrostatic Pressure (A) 2289 P.S.I. Final Hydrostatic Pressure (H) 2282 P.S.I.

SURFACE INFORMATION — Size Choke 1/2 In. — Max. Press. P.S.I. — Time — Description of Flow

BLOW Good throughout test. Bottom Choke Size 3/4 in.

Did Well Flow Yes x No Recovery Total Ft. 538' total fluid; 4000' gas in pipe; 10' slightly oil cut mud; 93' very slightly oil cut mud; 174' oil and gas cut watery mud; (See remarks) Mud

Reversed Out ____ Yes x No Mud Type starch Viscosity 45 Weight 9.5 Maximum Temp. 124 °F

EXTRA EQUIPMENT: Dual Packers yes Safety Joint yes Jars: Size 4½ OD Make Bowen Ser. No. 2330

Type Circ. Sub plug Did Tool Plug? no Where? ____ Did Packer Hold? yes

Length Drill Pipe 4005 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe ____ ft. I.D. Weight Pipe ____ in. Length Drill Collars 492 ft.

I. D. Drill Collars 2.25 in. Length D. S. T. Tool 68 ft.

Remarks

174' oil and gas cut muddy water; 87' oil and gas cut water.

WHELAN PRINTERS

WESTERN TESTING CO., INC.
Pressure Data

Date April 26, 1965 Test Ticket No. 4248

Recorder No. 1559 Capacity 4200 Location 4557 Ft.

Clock No. 6861 Elevation 1397 Kelly Bushings Well Temperature 124 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	2289 P.S.I.	Opened Tool	10:22 A M	
B	First Initial Flow Pressure	104 P.S.I.	First Flow Pressure	5 Mins.	5 Mins.
C	First Final Flow Pressure	110 P.S.I.	Initial Closed-in Pressure	30 Mins.	34 Mins.
D	Initial Closed-in Pressure	1035 P.S.I.	Second Flow Pressure	60 Mins.	57 Mins.
E	Second Initial Flow Pressure	127 P.S.I.	Final Closed-in Pressure	30 Mins.	32 Mins.
F	Second Final Flow Pressure	181 P.S.I.			
G	Final Closed-in Pressure	816 P.S.I.			
H	Final Hydrostatic Mud	2282 P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.
Breakdown: 2 Inc.
of 2 mins. and a
final inc. of 1 Min.

Point Mins.	Press.
P 1 0	104
P 2 2	106
P 3 4	108
P 4 6	110
P 5	
P 6	
P 7	
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	
P12	
P13	

Initial Shut-In
Breakdown: 17 Inc.
of 2 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	110
2	200
4	275
6	367
8	453
10	543
12	637
14	705
16	770
18	826
20	870
22	908
24	937
26	964
28	985
30	1004
32	1020
34	1035

Second Flow Pressure
Breakdown: 28 Inc.
of 2 mins. and a
final inc. of 1 Min.

Point Minutes	Press.
0	127
2	131
4	142
6	148
8	148
10	150
12	151
14	152
16	152
18	153
20	153
22	154
24	154
26	155
28	156
30	156
32	157
34	159
36	161
38	163
40	165
42	167
44	169
46	171
48	172
50	175
52	177
54	178
56	179
57	181

Final Shut-In
Breakdown: 16 Inc.
of 2 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	181
2	250
4	321
6	378
8	441
10	489
12	545
14	591
16	628
18	660
20	691
22	716
24	741
26	762
28	782
30	801
32	816