WESTERN TESTERS

Home Office: Great Bend, Kansas

P. O. Box 793 GLadstone 3-7903

Company PICKRELL DRILLING COMPANY Lease & Well No. PIEPLOW #4

Elevation 1519 Kelly Bushings;Formation-Lansing Ticket Number 8044

Date April 1,1965 Sec. 33 Twp. 29s Range 6w County Kingman State Kansas

Test Approved by Ralph Ruwwe Western Representative Joe M. Fetterolf,Jr.

Formation Test No. 1 O.K. yes Misrun no Interval Tested From 3275' to 3300' Total Depth 3300'

Size Main Hole 7 7/8 Rat Hole no Conv. x B.T. Damaged Yes no No Conv. x B.T. Damaged Yes no No

Packer Depth 3270 Ft. Size 6 3/4 Packer Depth 3275 Ft. Size 6 3/4

Straddle Yes No no Conv. B.T. Damaged Yes No

Packer Depth Ft Size

Tool Size 5½ OD Tool Jt. Size 4½ FH Anchor Length 25 Ft. Size 5½ OD

RECORDERS Depth 3286 Ft Clock No. 4964 Depth 3289 Ft. Clock No. 139

Top Make Amerada Cap. 3150 No. 1562 Inside Outside Bottom Make Western Cap. 4000 No. 41 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 2:52 P M

Tool Open I.F.P. From 2:53 P M to 3:03 M Hr. 5 Min. From (B) 131 P.S.I. To (C) 135 P.S.I.

Tool Closed I.C.I.P. From 3:03 M. to 3:33 M. Hr. 30 Min. (D) 939 P.S.I.

Tool Open F.F.P. From 3:33 M. to 5:33 M. 2 Hr. Min. From (E) 221 P.S.I. To (F) 711 P.S.I.

Tool Closed F.C.I.P. From 5:33 M. to 6:03 M. Hr. 30 Min. (G) 916 P.S.I.

Inital Hydrostatic Pressure (A) 1816 P.S.I. Final Hydrostatic Pressure (H) 1808 P.S.I.

SURFACE INFORMATION Size Choke 3/8 In. Max. Press. P.S.I. Time Description of Flow

M.

M.

M.

BLOW Strong blow for one hour. Decreasedto fair blow for remainder of test.* Bottom Choke Size 3/4 in.

Did Well Flow Yes No Recovery Total Ft. 450 ft. of gas in pipe pipe--2800' of ± clean gassy oil and 50 ft. of heavy oil cut mud. No Water.

Reversed Out Yes Yes No Mud Type starch Viscosity 44 Weight 10.1 Maximum Temp. 114 °F Mud

EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size no Make Ser. No.

Type Circ. Sub 4½ FH plug Did Tool Plug? no Where? Did Packer Hold? yes

Length Drill Pipe 2534 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 722 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ft.

I. D. Drill Collars in. Length D. S. T. Tool 44 ft.

Remarks * 39 Gravity at 70°. Gas to surface in seven minutes. But would not gauge.

WHELAN PRINTERS

WESTERN TESTING CO., INC.
Pressure Data

Date April 1, 1965 Test Ticket No. 8044

Recorder No. 1562 Capacity 3150 Location 3286 Ft.

Clock No. 4964 Elevation 1519 Kelly Bushings Well Temperature 114 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1816 P.S.I.	Opened Tool	2:52 P M	
B First Initial Flow Pressure	131 P.S.I.	First Flow Pressure	5 Mins.	5 Mins.
C First Final Flow Pressure	135 P.S.I.	Initial Closed-in Pressure	30 Mins.	27 Mins.
D Initial Closed-in Pressure	939 P.S.I.	Second Flow Pressure	120 Mins.	115 Mins.
E Second Initial Flow Pressure	221 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	711 P.S.I.			
G Final Closed-in Pressure	916 P.S.I.			
H Final Hydrostatic Mud	1808 P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.

Breakdown: 1 Inc.

of 5 mins. and a

final inc. of 0 Min.

Point Mins.	Press.
P 1 0	131
P 2 5	135
P 3	
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: 9 Inc.

of 3 mins. and a

final inc. of 0 Min.

Point Minutes	Press.
0	135
3	817
6	889
9	914
12	923
15	929
18	932
21	936
24	937
27	939

Second Flow Pressure

Breakdown: 23 Inc.

of 5 mins. and a

final inc. of 0 Min.

Point Minutes	Press.
0	221
5	207
10	225
15	264
20	304
25	343
30	383
35	414
40	447
45	477
50	503
55	527
60	551
65	569
70	589
75	606
80	624
85	639
90	656
95	669
100	683
105	695
110	706
115	711

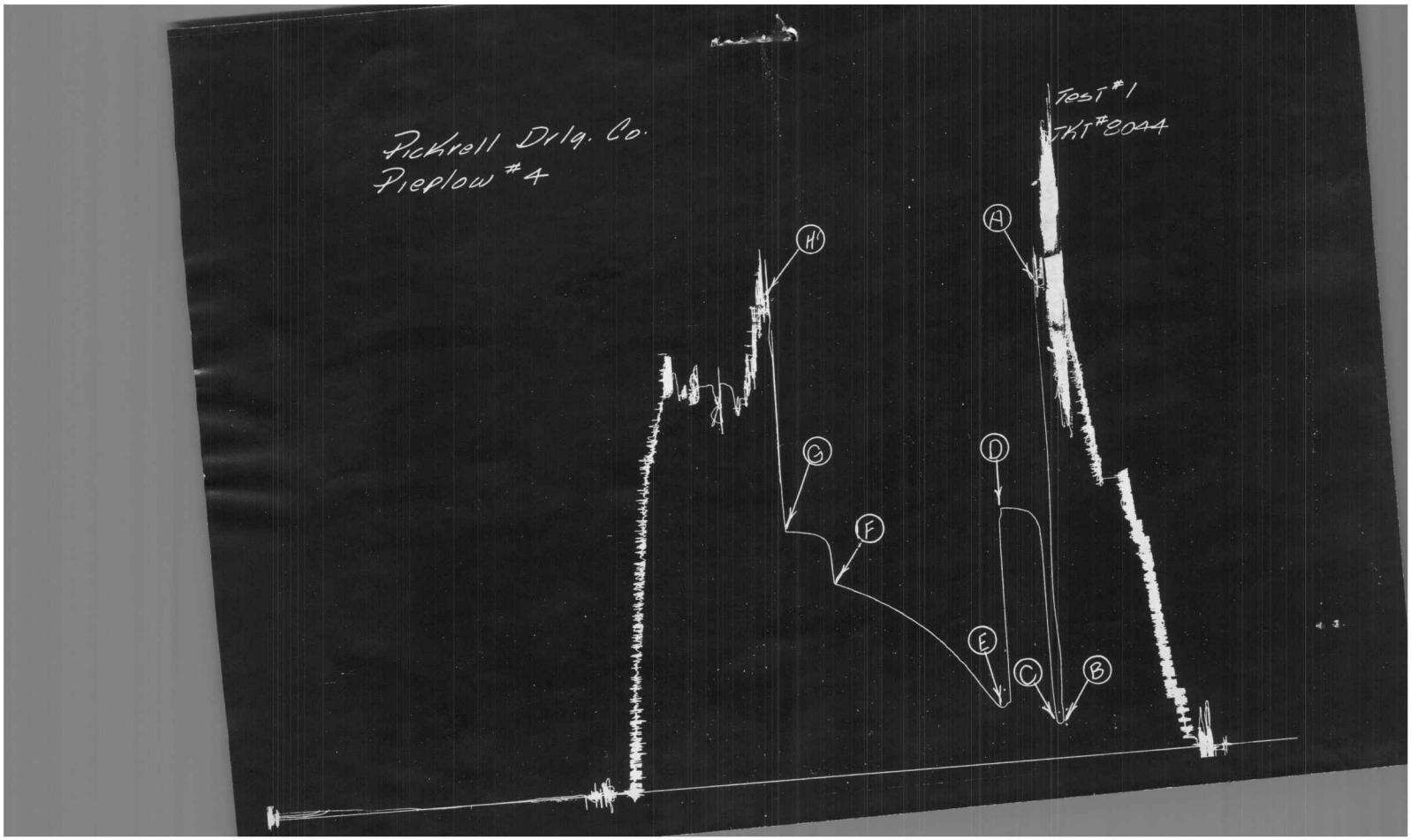
Final Shut-In

Breakdown: 10 Inc.

of 3 mins. and a

final inc. of 0 Min.

Point Minutes	Press.
0	711
3	865
6	886
9	895
12	900
15	904
18	907
21	911
24	914
27	915
30	916


Pickrell Drlg. Co.
Pieplow #4
Test #1
JKT #2044
A
B
C
D
E
F
G
H