Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Range Oil Company Lease & Well No. Sommers #1

Elevation 1467 Kelly Bushings Formation Conglomerate Effective Pay Ft. Ticket No. 14287

Date 10-23-70 Sec. 5 Twp. 24S Range 5E County Butler State Kansas

Test Approved by R. B. Gebhart Jr. Western Representative Norman Allen

Formation Test No. 1 O.K. X Misrun Interval Tested From 2399' to 2428' Total Depth 2428'

Size Main Hole 7 7/8" Rat Hole Conv. X B.T. Damaged Yes X No Conv. X B.T. Damaged Yes X No

Packer Depth 2394 Ft. Size 6 3/4" Packer Depth 2399 Ft. Size 6 3/4

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

Packer Depth Ft. Size

Tool Size 5 1/2" O.D. Tool Jt. Size 4 1/2" XH Anchor Length 29 Ft. Size 5 1/2" O.D.

RECORDERS Depth 2421 Ft. Clock No. 6860 Depth 2424 Ft. Clock No. 6861

Top Make Kuster Cap. 3150 No. 1560 Inside Outside Bottom Make Kuster Cap. 3150 No. 1563 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

Time Set Packer 7:58 A.M

Tool Open I.F.P. From 8:00 M. to 8:10A M. Hr. 10 Min. From (B) 141 P.S.I. To (C) 300 P.S.I.

Tool Closed I.C.I.P. From 8:10 M. to 8:40A M. Hr. 30 Min. (D) 739 P.S.I.

Tool Open F.F.P. From 8:40 M. to 9:30A M. Hr. 50 Min. From (E) 330 P.S.I. To (F) 685 P.S.I.

Tool Closed F.C.I.P. From 9:30 M. to 10:00A M. Hr. 30 Min. (G) 732 P.S.I.

Initial Hydrostatic Pressure (A) 1180 P.S.I. Final Hydrostatic Pressure (H) 1164 P.S.I.

SURFACE INFORMATION	Size Choke 3/4 In.	Max. Press. P.S.I.	Time	Description of Flow
			M.	
			M.	
			M.	

BLOW Strong diminishing to weak @ end of test Bottom Choke Size 3/4 In.

Did Well Flow Yes X No Recovery Total Ft. 1800 feet slightly gas cut free oil -

(Bottom 30 feet of recovery mud cut) (180 feet gas in Pipe)

Reversed Out Yes X No Mud Type Chem. Viscosity 39 Weight 9.1 Water Loss 14 cc. Maximum Temp. 102 °F

Type Circ. Sub Pin Did Tool Plug? No Jars: Size Make Ser. No.

EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Did Packer Hold? Yes Where?

Length Drill Pipe 2079 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe ft. I.D. Weight Pipe in. Length Drill Collars 300 ft.

I. D. Drill Collars 2 1/4 in. Length D.S.T. Tool 49 ft.

Remarks Oil checked 42 degrees gravity (Corrected)

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5-24-3C

WESTERN TESTING CO., INC.
Pressure Data

Date 10-23-70 Test Ticket No. 14287

Recorder No. 1560 Capacity 3150 Location 2421 Ft.

Clock No. 6860 Elevation 1467 Kelly Bushings Well Temperature 102 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1180 P.S.I.		Open Tool	7:58 A. M	
B	First Initial Flow Pressure	141 P.S.I.		First Flow Pressure	10 Mins.	10 Mins.
C	First Final Flow Pressure	300 P.S.I.		Initial Closed-in Pressure	30 Mins.	30 Mins.
D	Initial Closed-in Pressure	739 P.S.I.		Second Flow Pressure	50 Mins.	50 Mins.
E	Second Initial Flow Pressure	330 P.S.I.		Final Closed-in Pressure	30 Mins.	30 Mins.
F	Second Final Flow Pressure	685 P.S.I.				
G	Final Closed-in Pressure	732 P.S.I.				
H	Final Hydrostatic Mud	1164 P.S.I.				

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 2 Inc.
of 5 mins. and a
final inc. of ____ Min.

Point Mins.	Press.
P 1 0	141
P 2 5	214
P 3 10	300
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: 10 Inc.
of 3 mins. and a
final inc. of ____ Min.

Point Minutes	Press.
0	300
3	707
6	717
9	723
12	729
15	731
18	733
21	735
24	736
27	738
30	739

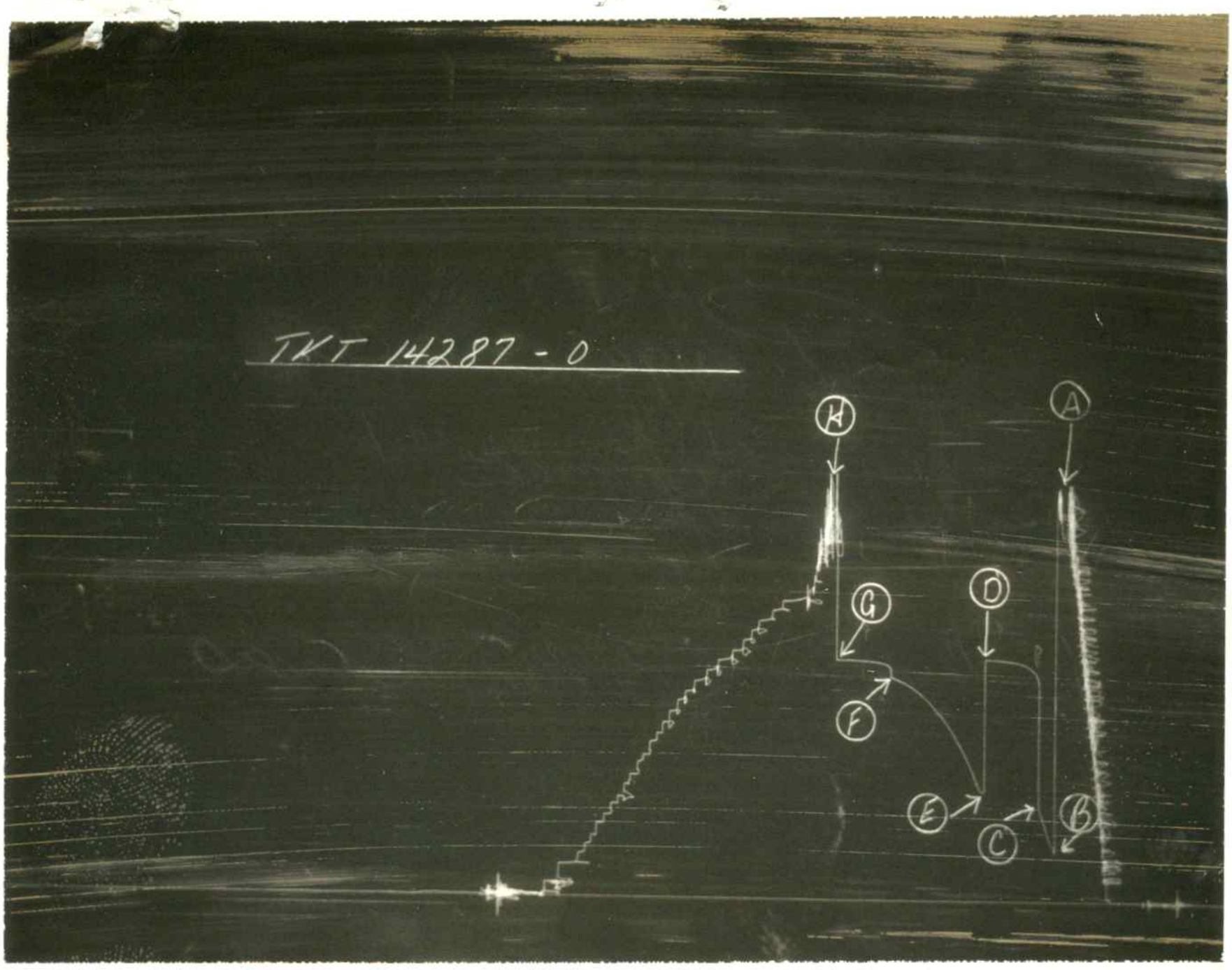
Second Flow Pressure
Breakdown: 10 Inc.
of 5 mins. and a
final inc. of ____ Min.

Point Minutes	Press.
0	330
5	378
10	447
15	500
20	543
25	582
30	613
35	633
40	654
45	671
50	685

Final Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of ____ Min.

Point Minutes	Press.
0	685
3	717
6	725
9	728
12	728
15	729
18	731
21	732
24	732
27	732
30	732

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IKT 14287 - 0
H
A
G
D
F
E
C
B