WESTERN TESTERS

P. O. BOX 793
GREAT BEND, KANSAS

COMPANY Pickrell Drilling Co. LEASE & WELL NO. Asper #1

TEST NO. 1 INTERVAL TESTED FROM 4343 TO 4349'

Ins. of water.

TIME PRE-FLOW	MAX. PRESS. PSI.	DESCRIPTION OF FLOW
5	30 - 1"	189,700
10	32.- 1"	198,000
20	1.25-2"	155,000
30	1.6	175,000
40	1.6	175,000
50	1.8	186,000
SECOND FLOW		
60	1.8	186,000
70	1.8	186,000
80	1.8	186,000
90	1.8	186,000
1Hr. 40 min.	1.8	186,000
1 hr.50 min.	1.8	186,000
2 hrs.	1.8	186,000

SIZE CHOKE SURFACE 3/4 IN. BOTTOM 3/4 IN.

REMARKS Gas to surface in 5 minutes.

WESTERN TESTERS

Home Office: Great Bend, Kansas

P. O. Box 793 SWift 3-7903

Company Pickrell Drilling Company Lease & Well No. Asper #1

Elevation 1528 Derrick Floor Formation Mississippi Ticket Number 7833

Date Feb.27,1967 Sec. 29 Twp. 31 Range 8 County Harper State Kansas

Test Approved by R. M Euwer Western Representative Leon Elmore

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Formation Test No. 1 O.K. X Misrun ____ Interval Tested From 4343' to 4349' Total Depth 4349'

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

Packer Depth 4338 Ft. Size 6 3/4 Packer Depth 4343 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 6 Ft. Size 5½ OD

RECORDERS Depth 4334 Ft. Clock No. 8377 Depth 4345 Ft. Clock No. 5665

Top Make Kuster Cap. 4400 No. 2603 Inside ~~Outside~~ Bottom Make Kuster Cap. 4300 No. 1566 ~~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 1:52 P M

Tool Open I.F.P. From 1:54 M to 2:01 M Hr. 7 Min. From (B) 49 P.S.I. To (C) 49 P.S.I.

Tool Closed I.C.I.P. From 2:01 M. to 2:31 M. Hr. 30 Min. (D) 1558 P.S.I.

Tool Open F.F.P. From 2:31 M. to 4:31 M. 2 Hr. ____ Min. From (E) 51 P.S.I. To (F) 65 P.S.I.

Tool Closed F.C.I.P. From 4:31 M. to 5:31 M. 1 Hr. ____ Min. (G) 1537 P.S.I.

Initial Hydrostatic Pressure (A) 2428 P.S.I. Final Hydrostatic Pressure (H) 2399 P.S.I.

SURFACE INFORMATION

Size Choke	Max. Press. P.S.I.	Time	Description of Flow
		M.	
SEE ATTACHED SHEET		M.	
		M.	

BLOW STRONG

Did Well Flow ____ Yes X No Recovery Total Ft. 80' oil cut mud Bottom Choke Size 3/4 in.

Reversed Out ____ Yes X No Mud Type starch Viscosity 56 Weight 10.3 Maximum Temp. 120 °F Mud

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

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

Length Drill Pipe 3244 I.D. Drill Pipe 3.8 in Length Weight Pipe 943 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ____ ft.

I. D. Drill Collars ____ in. Length D.S.T. Tool 31 ft.

Remarks Gas to surface in 5 minutes. Gauged 186,000 (stab. in 50")

WESTERN TESTING CO., INC.

Pressure Data

Date February 27,1967 Test Ticket No. 7833

Recorder No. 2603 Capacity 4400 Location 4334 Ft.

Clock No. 8377 Elevation 1528 Derrick Floor Well Temperature 120 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2428	P.S.I.	Opened Tool 1:54 P M	
B First Initial Flow Pressure	49	P.S.I.	First Flow Pressure 7 Mins.	7 Mins.
C First Final Flow Pressure	49	P.S.I.	Initial Closed-in Pressure 30 Mins.	30 Mins.
D Initial Closed-in Pressure	1558	P.S.I.	Second Flow Pressure 120 Mins.	117 Mins.
E Second Initial Flow Pressure	51	P.S.I.	Final Closed-in Pressure 60 Mins.	60 Mins.
F Second Final Flow Pressure	65	P.S.I.		
G Final Closed-in Pressure	1537	P.S.I.		
H Final Hydrostatic Mud	2399	P.S.I.		

PRESSURE BREAKDOWN

First Flow Press.
Breakdown: 1 Inc.
of 5 mins. and a
final inc. of 2 Min.

Point Mins.	Press.
P 1 0	49
P 2 5	49
P 3 7	49
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 0 Min.

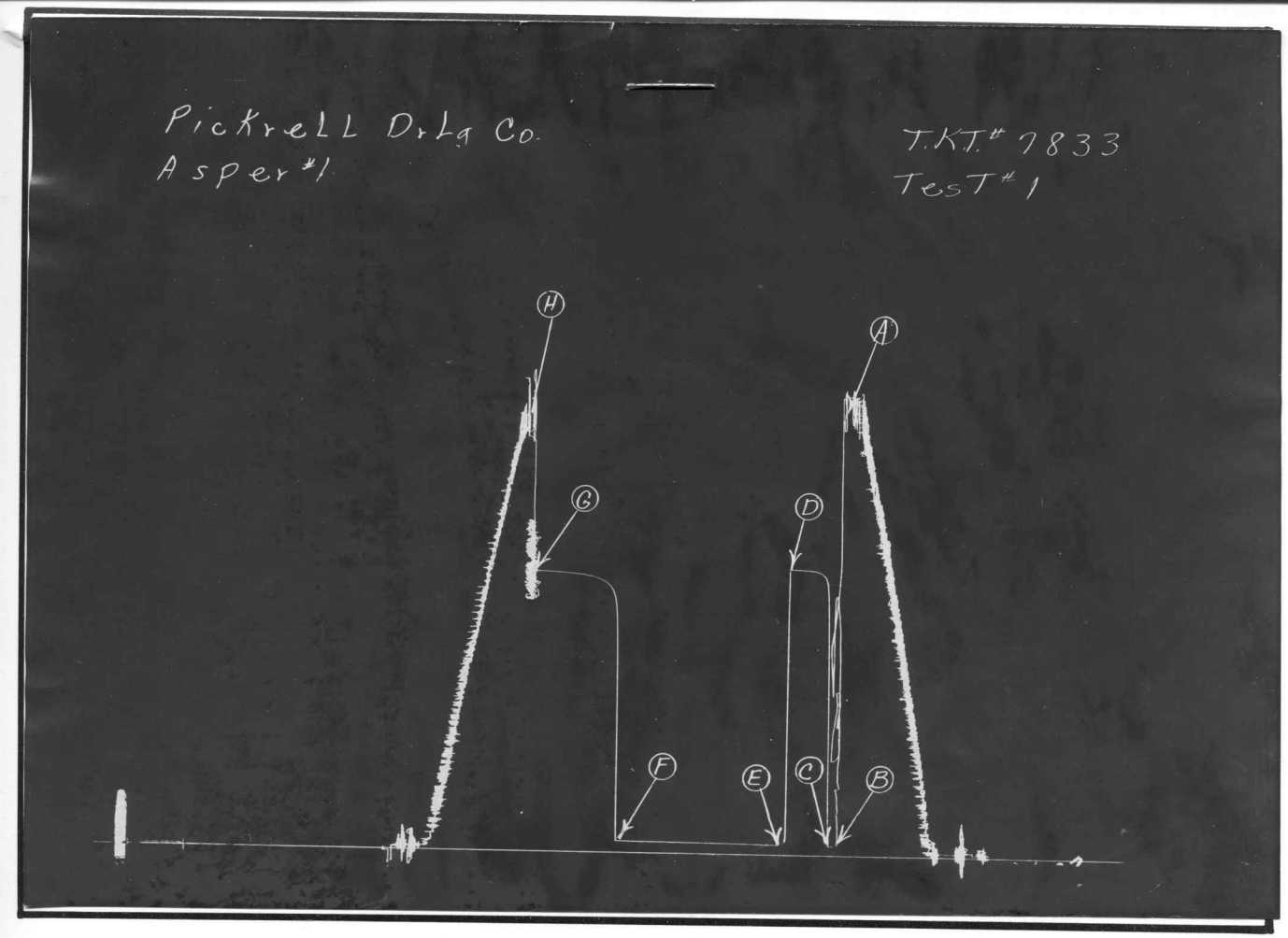
Point Minutes	Press.
0	49
3	995
6	1519
9	1539
12	1547
15	1552
18	1555
21	1557
24	1558
27	1558
30	1558

Second Flow Pressure
Breakdown: 23 Inc.
of 5 mins. and a
final inc. of 2 Min.

Point Minutes	Press.
0	51
5	51
10	52
15	52
20	53
25	54
30	56
35	56
40	56
45	56
50	56
55	56
60	60
65	60
70	61
75	61
80	61
85	62
90	62
95	62
100	63
105	63
110	64
115	64
117	65

Final Shut-In
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	65
3	1115
6	1426
9	1462
12	1479
15	1491
18	1502
21	1508
24	1515
27	1518
30	1522
33	1524
36	1526
39	1529
42	1531
45	1532
48	1533
51	1534
54	1535
57	1536
60	1537



This is an actual photograph of recorder chart.

POINT		PRESSURE
(A)	Initial Hydrostatic Mud	2428 PSI
(B)	First Initial Flow Pressure	49 PSI
(C)	First Final Flow Pressure	49 PSI
(D)	Initial Closed-in Pressure	1558 PSI
(E)	Second Initial Flow Pressure	51 PSI
(F)	Second Final Flow Pressure	65 PSI
(G)	Final Closed-in Pressure	1537 PSI
(H)	Final Hydrostatic Mud	2399 PSI

COMPANY PICKRELL DRILLING CO. LEASE AND WELL NO. ASPER #1 SEC. 29 TWP. 31 RGE. 8 TEST NO. 1 DATE 2-27-6

WESTERN TESTERS

P. O. BOX 793
GREAT BEND, KANSAS

COMPANY Pickrell Drilling Co. LEASE & WELL NO. Asper #1

TEST NO. 2 INTERVAL TESTED FROM 4349' TO 4356'

TIME PRE-FLOW	MAX PRESS. P.S.I.	DESCRIPTION OF FLOW
10 min.	15-1"	134,200
20	3	60,020
30		Too small to measure
40		
50		
60	Flowed in 65 minutes.	
~~SECOND FLOW~~		
70		
80		
90		
1 hr. 40 min.		
1 h4. 50 min.		
2 hours		

SIZE CHOKE SURFACE 3/4 IN. BOTTOM 3/4 IN.

REMARKS Gas to surface in 4 minutes. Surging blow.

Home Office: Great Bend, Kansas
P. O. Box 793 SWift 3-7903

Company Pickrell Drilling Company Lease & Well No. Asper #1

Elevation 1528 Derrick Floor Formation Mississippi Ticket Number 7834

Date Feb.28,1967 Sec. 29 Twp. 31 Range 8 County Harper State Kansas

Test Approved by R. M. Euwer Western Representative Leon Elmore

Formation Test No. 2 O.K. x Misrun Interval Tested From 4349' to 4356' Total Depth 4356'

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

Packer Depth 4344 Ft. Size 6 3/4 Packer Depth 4349 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 7 Ft. Size 5½ OD

RECORDERS Depth 4339 Ft. Clock No. 8377 Depth 4352 Ft. Clock No. 5665

Top Make Kuster Cap. 4400 No. 2603 Inside Outside Bottom Make Kuster Cap. 4300 No. 1566 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 2:21 A M

Tool Open I.F.P. From 2:23 M to 2:29 M Hr. 6 Min. From (B) 171 P.S.I. To (C) 194 P.S.I.

Tool Closed I.C.I.P. From 2:29 M. to 2:59 M. Hr. 30 Min. (D) 1551 P.S.I.

Tool Open F.F.P. From 2:59 M. to 4:29 M. 1 Hr. 30 Min. From (E) 214 P.S.I. To (F) 584 P.S.I.

Tool Closed F.C.I.P. From 4:29 M. to 5:29 M. 1 Hr. Min. (G) 1545 P.S.I.

Initial Hydrostatic Pressure (A) 2444 P.S.I. Final Hydrostatic Pressure (H) 2426 P.S.I.

SURFACE INFORMATION

Size Choke	Max. Press. P.S.I.	Time	Description of Flow
		M.	
SEE ATTACHED SHEET		M.	
		M.	

BLOW STRONG

Bottom Choke Size 3/4 In.

Did Well Flow x Yes No Recovery Total Ft. 120' heavy oil cut mud

Reversed Out x Yes No Mud Type starch Viscosity 56 Weight 10.3 Maximum Temp. 124 °F Mud

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

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

Length Drill Pipe 3251 ft. I.D. Drill Pipe 3.8 in Length Weight Pipe 943 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ft.

I. D. Drill Collars in. Length D.S.T. Tool 32

Remarks Gas to surface in 4 minutes. Gauged 134,200. Flowed oil in 65 minutes. 35° gravity corr.

WESTERN TESTING CO., INC.
Pressure Data

Date February 28,1967

Test Ticket No. 7834

Recorder No. 2603 Capacity 4400 Location 4339 Ft.

Clock No. 8377 Elevation 1528 Derrick Floor Well Temperature 124 °F

Point		Pressure	
A	Initial Hydrostatic Mud	2444	P.S.I.
B	First Initial Flow Pressure	171	P.S.I.
C	First Final Flow Pressure	194	P.S.I.
D	Initial Closed-in Pressure	1551	P.S.I.
E	Second Initial Flow Pressure	214	P.S.I.
F	Second Final Flow Pressure	584	P.S.I.
G	Final Closed-in Pressure	2426	P.S.I.
H	Final Hydrostatic Mud		P.S.I.

	Time Given		Time Computed	
Opened Tool	2:23 A	M		
First Flow Pressure	6	Mins.	6	Mins.
Initial Closed-in Pressure	30	Mins.	31	Mins.
Second Flow Pressure	90	Mins.	88	Mins.
Final Closed-in Pressure	60	Mins.	60	Mins.

PRESSURE BREAKDOWN

First Flow Press.
Breakdown: 1 Inc.
of 5 mins. and a
final inc. of 1 Min.

Point Mins.	Press.
P 1 0	171
P 2 5	186
P 3 6	194
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 1 Min.

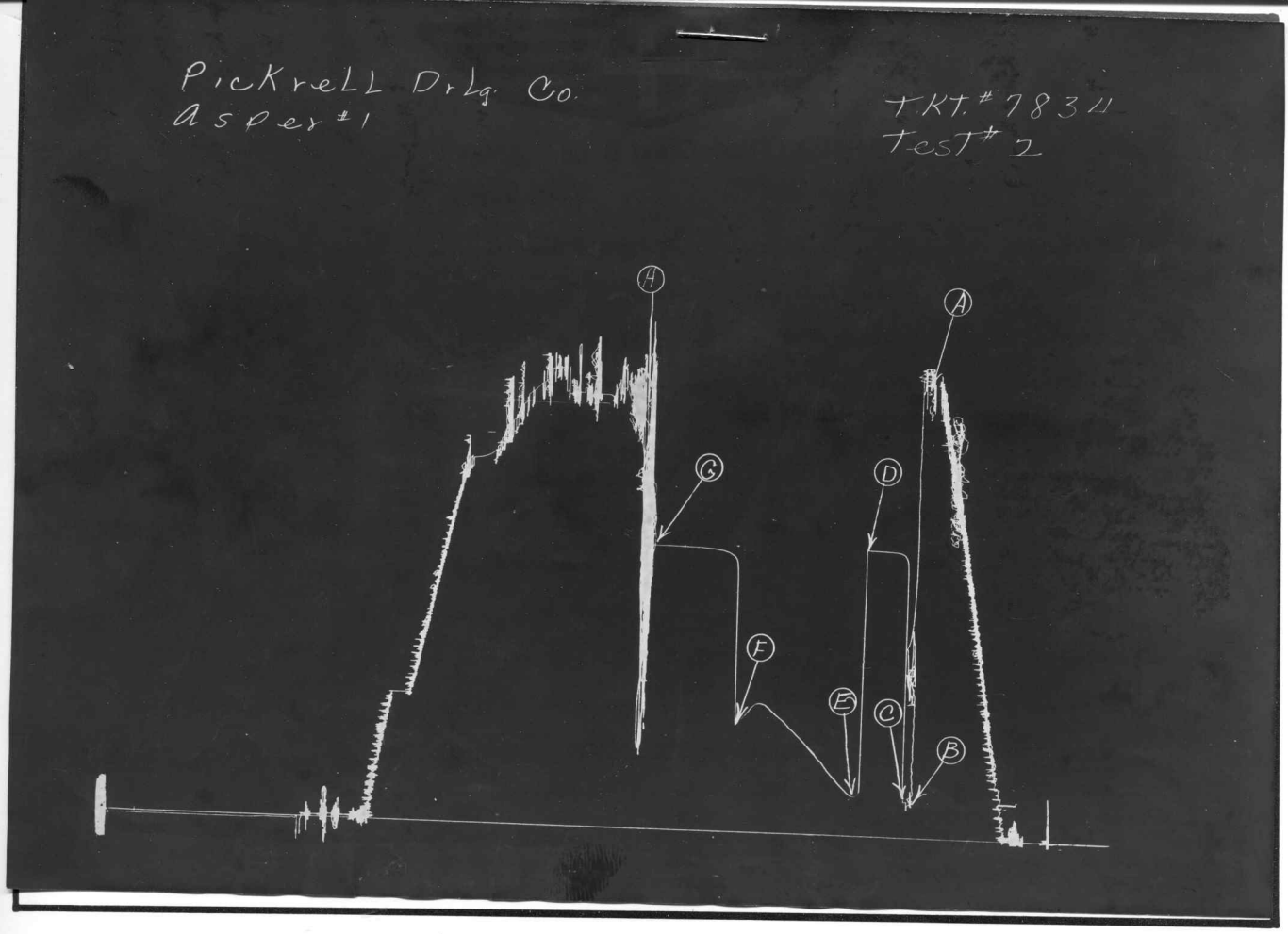
Point Minutes	Press.
0	194
3	844
6	1517
9	1537
12	1544
15	1547
18	1549
21	1550
24	1550
27	1551
30	1551
31	1551

Second Flow Pressure
Breakdown: 17 Inc.
of 5 mins. and a
final inc. of 3 Min.

Point Minutes	Press.
0	214
5	223
10	241
15	283
20	321
25	367
30	414
35	457
40	497
45	533
50	573
55	610
60	643
65	679
70	699
75	685
80	639
85	601
88	584

Final Shut-In
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	584
3	1473
6	1504
9	1517
12	1526
15	1531
18	1535
21	1537
24	1539
27	1539
30	1540
33	1541
36	1541
39	1542
42	1543
45	1544
48	1545
51	1545
54	1545
57	1545
60	1545



This is an actual photograph of recorder chart.

POINT		PRESSURE
(A)	Initial Hydrostatic Mud	2444 PSI
(B)	First Initial Flow Pressure	171 PSI
(C)	First Final Flow Pressure	194 PSI
(D)	Initial Closed-in Pressure	1551 PSI
(E)	Second Initial Flow Pressure	214 PSI
(F)	Second Final Flow Pressure	584 PSI
(G)	Final Closed-in Pressure	1545 PSI
(H)	Final Hydrostatic Mud	2426 PSI

COMPANY PICKRELL DRILLING CO. LEASE AND WELL NO. ASPER #1 SEC. 29 TWP. 31 RGE. 8 TEST NO. 2 DATE 2-28-67