WESTERN TESTERS

Home Office: Great Bend, Kansas

P. O. Box 793 (316) 793-7903

Company Glenn Rupe Lease & Well No. Pekarek # 3

Elevation 1868 Kelly Bushing Formation Topeka Effective Pay Ft. Ticket No. 13101

Date 4-19-69 Sec. 20 Twp. 14 Range 10 County Ellsworth State Kansas

Test Approved by Richard Davis Western Representative R. E. Pierce

Formation Test No. 1 O.K. x Misrun Interval Tested From 2423' to 2445' Total Depth 2445'

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

Packer Depth 2418 Ft. Size 6 3/4 Packer Depth 2423 Ft. Size 6 3/4

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

Packer Depth Ft. Size

Tool Size 5½" Tool Jt. Size 4½" Anchor Length 22 Ft. Size 5½"

RECORDERS Depth 2439 Ft. Clock No. 6806 Depth 2436 Ft. Clock No. 8475

Top Make Amerada Cap. 4150 No. 2604 ~~Inside~~ Outside Bottom Make Amerada Cap. 4000 No. 3351 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 11:16P M

Tool Open I.F.P. From 11:20 M. to 11:50P M. Hr. 30 Min. From (B) 34 P.S.I. To (C) 38 P.S.I.

Tool Closed I.C.I.P. From 11:50 M. to 12:20A M. Hr. 30 Min. (D) 92 P.S.I.

Tool Open F.F.P. From 12:20 M. to 1:20A M. 1 Hr. - Min. From (E) 40 P.S.I. To (F) 44 P.S.I.

Tool Closed F.C.I.P. From 1:20 M. to 1:50A M. Hr. 30 Min. (G) 84 P.S.I.

Initial Hydrostatic Pressure (A) 1369 P.S.I. Final Hydrostatic Pressure (H) 1357 P.S.I.

SURFACE INFORMATION	Size Choke	Max. Press. P.S.I.	Time	Description of Flow
	1/4 In.		M.	
			M.	
			M.	

BLOW Fair through out --steady Bottom Choke Size 3.4 In.

Did Well Flow Yes x No Recovery Total Ft. 65 feet slightly oil cut mud

Reversed Out Yes x No Mud Type starch Viscosity 41 Weight 10.5 Water Loss no control cc. Maximum Temp. 94 °F

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

EXTRA EQUIPMENT: Dual Packers yes Safety Joint Did Packer Hold? yes Where?

Length Drill Pipe ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 465 ft. I.D. Weight Pipe 2.8 in. Length Drill Collars ft.

I. D. Drill Collars in. Length D.S.T. Tool 42 ft.

Remarks

WESTERN TESTING CO., INC.
Pressure Data

Date 4-19-69 Test Ticket No. 13101

Recorder No. 3351 Capacity 4000 Location 2436 Ft.

Clock No. 8475 Elevation 1686 Kelly Bushing Well Temperature 94 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1369	P.S.I.	Open Tool	11:16P M	
B	First Initial Flow Pressure	34	P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	38	P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D	Initial Closed-in Pressure	92	P.S.I.	Second Flow Pressure	60 Mins.	57 Mins.
E	Second Initial Flow Pressure	40	P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F	Second Final Flow Pressure	44	P.S.I.			
G	Final Closed-in Pressure	84	P.S.I.			
H	Final Hydrostatic Mud	1357	P.S.I.			

PRESSURE BREAKDOWN

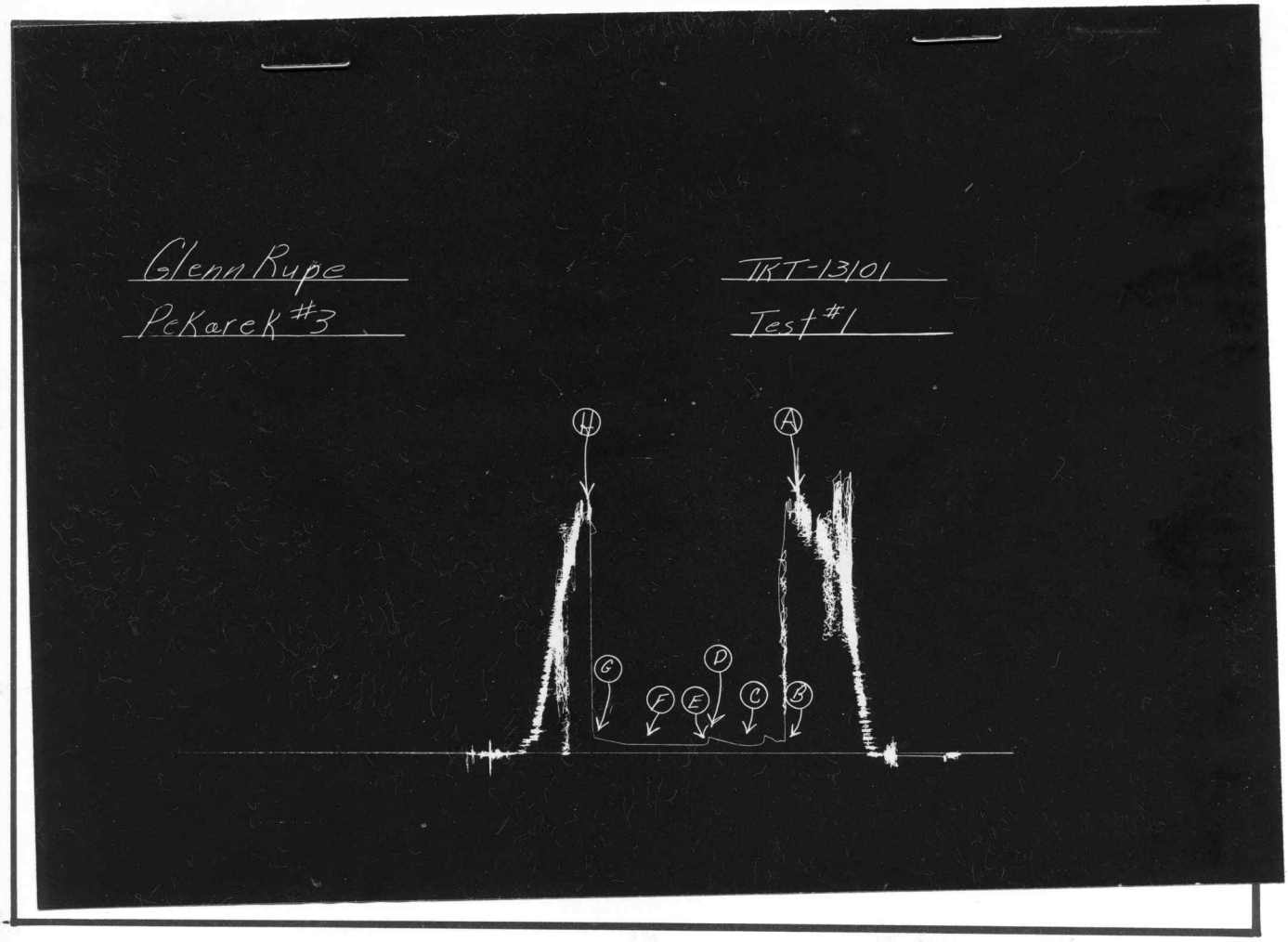
First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of ____ Min.

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

Second Flow Pressure
Breakdown: 11 Inc.
of 5 mins. and a
final inc. of 2 Min.

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

Point	First Flow Pressure Mins.	First Flow Pressure Press.	Initial Shut-In Point Minutes	Initial Shut-In Press.	Second Flow Pressure Point Minutes	Second Flow Pressure Press.	Final Shut-In Point Minutes	Final Shut-In Press.
P 1	0	34	0	38	0	40	0	44
P 2	5	34	3	39	5	40	3	46
P 3	10	34	6	40	10	40	6	48
P 4	15	34	9	44	15	40	9	50
P 5	20	35	12	50	20	40	12	56
P 6	25	36	15	60	25	40	15	60
P 7	30	38	18	68	30	40	18	66
P 8			21	74	35	40	21	73
P 9			24	79	40	250	24	76
P10			27	86	45	41	27	80
P11			30	92	50	42	30	84
P12					55	43		
P13					57	44		
P14								
P15								
P16								
P17								
P18								
P19								
P20								



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1376	1368	PSI
(B)	First Initial Flow Pressure	30	34	PSI
(C)	First Final Flow Pressure	40	38	PSI
(D)	Initial Closed-in Pressure	90	92	PSI
(E)	Second Initial Flow Pressure	40	40	PSI
(F)	Second Final Flow Pressure	50	44	PSI
(G)	Final Closed-in Pressure	90	84	PSI
(H)	Final Hydrostatic Mud	1357	1357	PSI

COMPANY Glenn Rupe LEASE AND WELL NO. Pekarek # 3 SEC. 20 TWP. 14 RGE. 10 TEST NO. 1 DATE 4-1

WESTERN TESTERS

Home Office: Great Bend, Kansas

P. O. Box 793 (316) 793-7903

Company Glenn Rupe Lease & Well No. Pekarek # 3

Elevation 1686 Kelly Bushing Formation Kansas City Effective Pay Ft. Ticket No. 13102

Date 4-20-69 Sec. 20 Twp. 14 Range 10 County Ellsworth State Kansas

Test Approved by Richard Davis Western Representative R. E. Pierce

Formation Test No. 2 O.K. x Misrun Interval Tested From 2796' to 2835' Total Depth 2835'

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

Packer Depth 2791 Ft. Size 6 3/4 Packer Depth 2796 Ft. Size 6 3/4

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

Packer Depth Ft. Size

Tool Size 5½" Tool Jt. Size 4½" Anchor Length 39 Ft. Size 5½"

RECORDERS Depth 2825 Ft. Clock No. 8475 Depth 2828 Ft. Clock No. 6896

Top Make Kuster Cap. 4000 No. 3351 Inside Outside Bottom Make Kuster Cap. 4150 No. 2604 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 5:53P M

Tool Open I.F.P. From 5:55 M. to 6:40P M. Hr. 45 Min. From (B) 46 P.S.I. To (C) 71 P.S.I.

Tool Closed I.C.I.P. From 6:40 M. to 7:10P M. Hr. 30 Min. (D) 519 P.S.I.

Tool Open F.F.P. From 7:10 M. to 8:10P M. Hr. 60 Min. From (E) 82 P.S.I. To (F) 106 P.S.I.

Tool Closed F.C.I.P. From 8:10 M. to 8:40P M. Hr. 30 Min. (G) 533 P.S.I.

Initial Hydrostatic Pressure (A) 1615 P.S.I. Final Hydrostatic Pressure (H) 1603 P.S.I.

SURFACE INFORMATION	Size Choke	Max. Press. P.S.I.	Time	Description of Flow
	1/4 In.		M.	
			M.	
			M.	

BLOW Strong blow off bottom of bucket Bottom Choke Size 3/4 In.

Did Well Flow Yes x No Recovery Total Ft. 203 feet oil and gas cut mud

Reversed Out Yes No x Mud Type starch Viscosity 48 Weight 10.6 Water Loss 10 cc. Maximum Temp. 99 °F

Type Circ. Sub. plug 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 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 465 ft. I.D. Weight Pipe 2.8 in. Length Drill Collars ft.

I. D. Drill Collars in. Length D.S.T. Tool 57 ft.

Remarks

WESTERN TESTING CO., INC.
Pressure Data

Date 4-20-69 Test Ticket No. 13102

Recorder No. 3351 Capacity 4000 Location 2825 Ft.

Clock No. 8475 Elevation 1686 Kelly Bushing Well Temperature 99 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1615 P.S.I.		Open Tool	5:53P M	
B	First Initial Flow Pressure	46 P.S.I.		First Flow Pressure 45	45 Mins.	40 Mins.
C	First Final Flow Pressure	71 P.S.I.		Initial Closed-in Pressure	30 Mins.	31 Mins.
D	Initial Closed-in Pressure	519 P.S.I.		Second Flow Pressure	60 Mins.	53 Mins.
E	Second Initial Flow Pressure	82 P.S.I.		Final Closed-in Pressure	30 Mins.	29 Mins.
F	Second Final Flow Pressure	106 P.S.I.				
G	Final Closed-in Pressure	533 P.S.I.				
H	Final Hydrostatic Mud	1603 P.S.I.				

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 8 Inc.
of 5 mins. and a
final inc. of ____ Min.

Point Mins.	Press.
P 1 0	46
P 2 5	66
P 3 10	58
P 4 15	60
P 5 20	62
P 6 25	68
P 7 35	71
P 8 40	71
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.

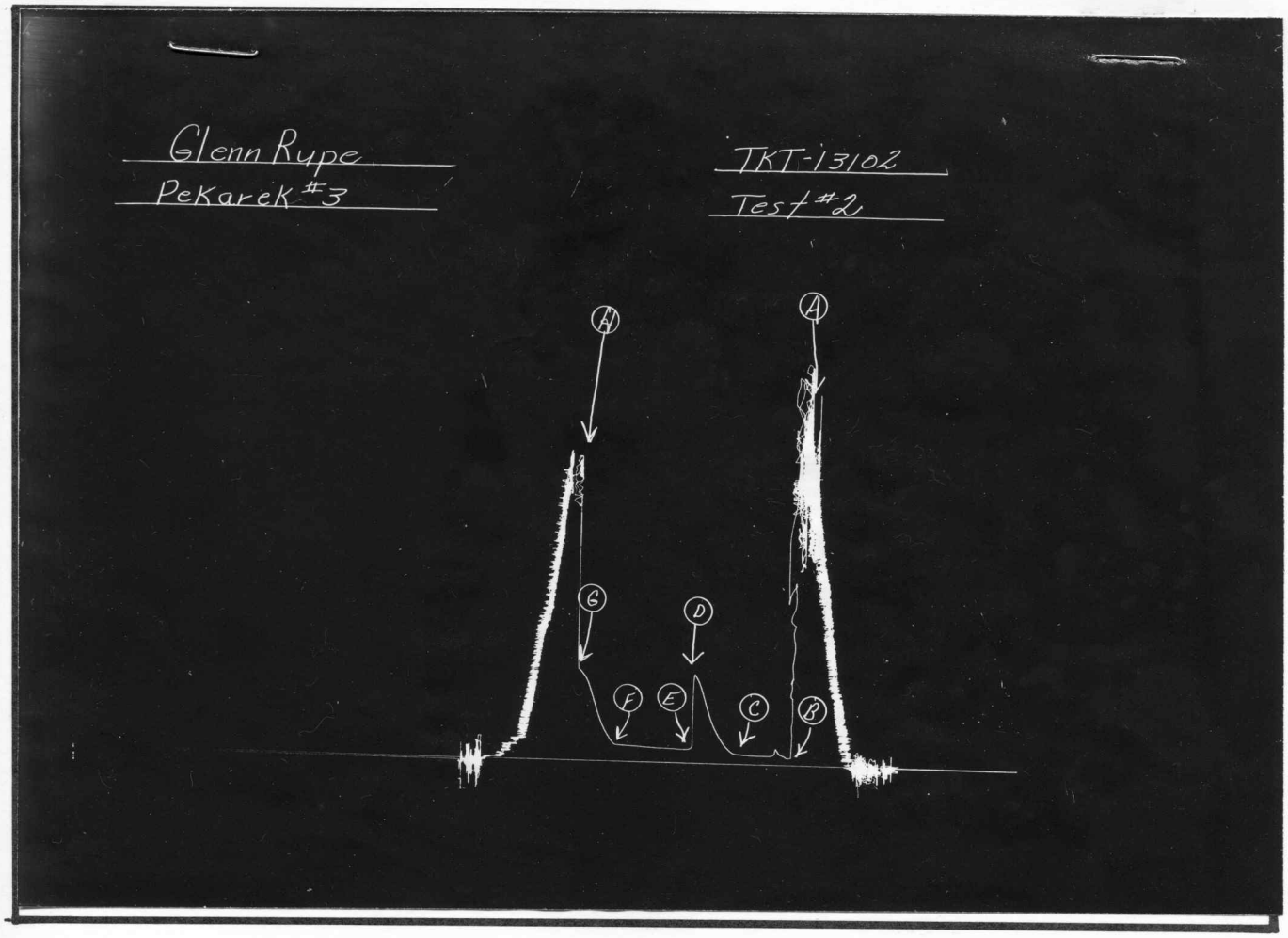
Point Minutes	Press.
0	71
3	86
6	110
9	140
12	156
18	272
21	324
24	377
27	461
30	503
31	519

Second Flow Pressure
Breakdown: 11 Inc.
of 5 mins. and a
final inc. of ____ Min.

Point Minutes	Press.
0	82
5	84
10	86
15	88
20	91
30	97
35	97
40	100
45	102
50	104
55	106

Final Shut-In
Breakdown: 9 Inc.
of 3 mins. and a
final inc. of 2 Min.

Point Minutes	Press.
0	106
3	146
6	180
9	210
12	292
18	404
21	450
24	509
27	526
29	533



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1585	1615	PSI
(B)	First Initial Flow Pressure	50	46	PSI
(C)	First Final Flow Pressure	81	71	PSI
(D)	Initial Closed-in Pressure	522	519	PSI
(E)	Second Initial Flow Pressure	81	82	PSI
(F)	Second Final Flow Pressure	110	106	PSI
(G)	Final Closed-in Pressure	532	533	PSI
(H)	Final Hydrostatic Mud	1605	1603	PSI

COMPANY Glenn Rupe LEASE AND WELL NO. Pekarek # 3 SEC. 20 TWP. 14 RGE. 10 TEST NO. 2 DATE 4-2