Home Office: Great Bend, Kansas

P. O. Box 793 GLadstone 3-7903

Company Bowers Drilling Company Lease & Well No. Gilmore Chapin #2

Elevation 1440 Kelly Bushings Formation Miss. Ticket Number 6537

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

Test Approved by Robert E. McCann Western Representative Norman Allen

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Formation Test No. 1 O.K. x Misrun Interval Tested From 4552' to 4566' Total Depth 4566'

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

Packer Depth 4547 Ft. Size 6 3/4 Packer Depth 4552 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 14 Ft. Size 5½ OD

RECORDERS Depth 4560 Ft. Clock No. 5665 Depth 4563 Ft. Clock No. 100

Top Make Kuster Cap. 4200 No. 1558 Inside ~~Outside~~ Bottom Make Western Cap. 4000 No. 59 ~~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 5:43 P M

Tool Open I.F.P. From 5:45 M to 6:00 M Hr. 15 Min. From (B) 33 P.S.I. To (C) 38 P.S.I.

Tool Closed I.C.I.P. From 6:00 M. to 6:30 M. Hr. 30 Min. (D) 693 P.S.I.

Tool Open F.F.P. From 6:30 M. to 8:00 M. 1 Hr. 30 Min. From (E) 37 P.S.I. To (F) 37 P.S.I.

Tool Closed F.C.I.P. From 8:00 M. to 8:30P M. Hr. 30 Min. (G) 421 P.S.I.

Initial Hydrostatic Pressure (A) 2466 P.S.I. Final Hydrostatic Pressure (H) 2449 P.S.I.

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

_____ | _____ | _____ M. | _____

_____ | _____ | _____ M. | _____

_____ | _____ | _____ M. | _____

BLOW Fair blow throughout test. Bottom Choke Size 3/4 In.

Did Well Flow Yes no No Recovery Total Ft. 675' gas; 105' slightly oil and gas cut mud

Mud

Reversed Out Yes no No Mud Type starch Viscosity 43 Weight 9.9 Maximum Temp. 117 °F

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

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

Length Drill Pipe 4442 ft. I.D. Drill Pipe 3.8 in Length Weight Pipe ft. I.D. Weight Pipe in. Length Drill Collars 120 ft.

I. D. Drill Collars 2¼ in. Length D.S.T. Tool 34 ft.

Remarks Slid tool 5' to T. D.

WESTERN TESTING CO., INC.
Pressure Data

Date August 19, 1965 — Test Ticket No. 6537

Recorder No. 1558 — Capacity 4200 — Location 4560 Ft.

Clock No. 5665 — Elevation 1440 Kelly Bushings — Well Temperature 117 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	2466 P.S.I.	Opened Tool	5:43p M	
B	First Initial Flow Pressure	33 P.S.I.	First Flow Pressure	15 Mins.	15 Mins.
C	First Final Flow Pressure	38 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D	Initial Closed-in Pressure	693 P.S.I.	Second Flow Pressure	90 Mins.	90 Mins.
E	Second Initial Flow Pressure	37 P.S.I.	Final Closed-in Pressure	30 Mins.	32 Mins.
F	Second Final Flow Pressure	37 P.S.I.			
G	Final Closed-in Pressure	421 P.S.I.			
H	Final Hydrostatic Mud	2449 P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.
Breakdown: 3 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Mins.	Press.
P 1 0	33
P 2 5	33
P 3 10	38
P 4 15	38
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	38
3	248
6	259
9	375
12	417
15	472
18	522
21	570
24	616
27	653
30	693

Second Flow Pressure
Breakdown: 18 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	37
5	37
10	37
15	37
20	37
25	37
30	37
35	37
40	37
45	37
50	37
55	37
60	37
65	37
70	37
75	37
80	37
85	37
90	37

Final Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 2 Min.

Point Minutes	Press.
0	37
3	86
6	130
9	172
12	204
15	248
18	280
21	314
24	352
27	381
30	407
32	421

Bowers Drlg. Co.
Gilmore Chapin #2

Test # 1
TKT #6537

