WESTERN TESTERS

Home Office: Great Bend, Kansas

P. O. Box 793 GLadstone 3-7903

Company Bowers Drilling Company Lease & Well No. Maginson #1

Elevation 1680 Derrick Floor Ticket Number 3868

Date August 15, 1964 Sec. 34 Twp. 32s Range 13w County Barber State Kansas

Test Approved by Robert McCann Western Representative George Tew

Formation Test No. 1 O.K. x Misrun ____ Interval Tested From 4470 to 4500 Total Depth 4500'

Size Main Hole 7 7/8 Rat Hole None Conv. x B.T. ____ Damaged ____ Yes x No Conv. ____ B.T. x Damaged ____ Yes x No

Packer Depth 4470 Ft. Size 6 3/4 Packer Depth 4465 Ft. Size 6 3/4

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

Packer Depth ____ Ft Size ____

Tool Size 5½ O. D. Tool Jt. Size 4½ I. F. Anchor Length 30 Ft. Size 5½ O. D.

RECORDERS Depth 4489 Ft Clock No. 6861 Depth 4492 Ft. Clock No. 105

Top Make Amerada Cap. 4200 No. 1558 Inside ~~Outside~~ Bottom Make Western Cap. 4000 No. 60 ~~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 10:27 P M

Tool Open I.F.P. From 10:30 M to 10:35 M Hr. 5 Min. From (B) 27 P.S.I. To (C) 27 P.S.I.

Tool Closed I.C.I.P. From 10:35 M. to 11:05 M. Hr. 30 Min. (D) 35 P.S.I.

Tool Open F.F.P. From 11:05 M. to 12:35 M. 1 Hr. 30 Min. From (E) 31 P.S.I. To (F) 33 P.S.I.

Tool Closed F.C.I.P. From 12:35 P M. to 1:05 A M. Hr. 30 Min. (G) 672 P.S.I.

Inital Hydrostatic Pressure (A) 2546 P.S.I. Final Hydrostatic Pressure (H) 2514 P.S.I.

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

BLOW Good blow throughout test Bottom Choke Size 3/4 in.

Did Well Flow ____ Yes x No Recovery Total Ft. 30' gas cut drilling mud

Reversed Out ____ Yes x No Mud Type starch Viscosity 54 Weight 10.4 Mud Maximum Temp. 122 °F

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

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

Length Drill Pipe 4450 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe ____ ft. I.D. Weight Pipe ____ in. Length Drill Collars ____ ft.

I. D. Drill Collars ____ in. Length D. S. T. Tool 50 ft.

Remarks

WHELAN PRINTERS

WESTERN TESTING CO., INC.
Pressure Data

Date August 15, 1964 — Test Ticket No. 3868

Recorder No. 1558 — Capacity 4200 — Location 4489 Ft.

Clock No. 6861 — Elevation 1680 Derrick Floor — Well Temperature 122 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	2546 P.S.I.	Opened Tool	10:27 P M	
B	First Initial Flow Pressure	27 P.S.I.	First Flow Pressure	5 Mins.	5 Mins.
C	First Final Flow Pressure	27 P.S.I.	Initial Closed-in Pressure	30 Mins.	33 Mins.
D	Initial Closed-in Pressure	35 P.S.I.	Second Flow Pressure	90 Mins.	90 Mins.
E	Second Initial Flow Pressure	31 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F	Second Final Flow Pressure	33 P.S.I.			
G	Final Closed-in Pressure	672 P.S.I.			
H	Final Hydrostatic Mud	2514 P.S.I.			

PRESSURE BREAKDOWN

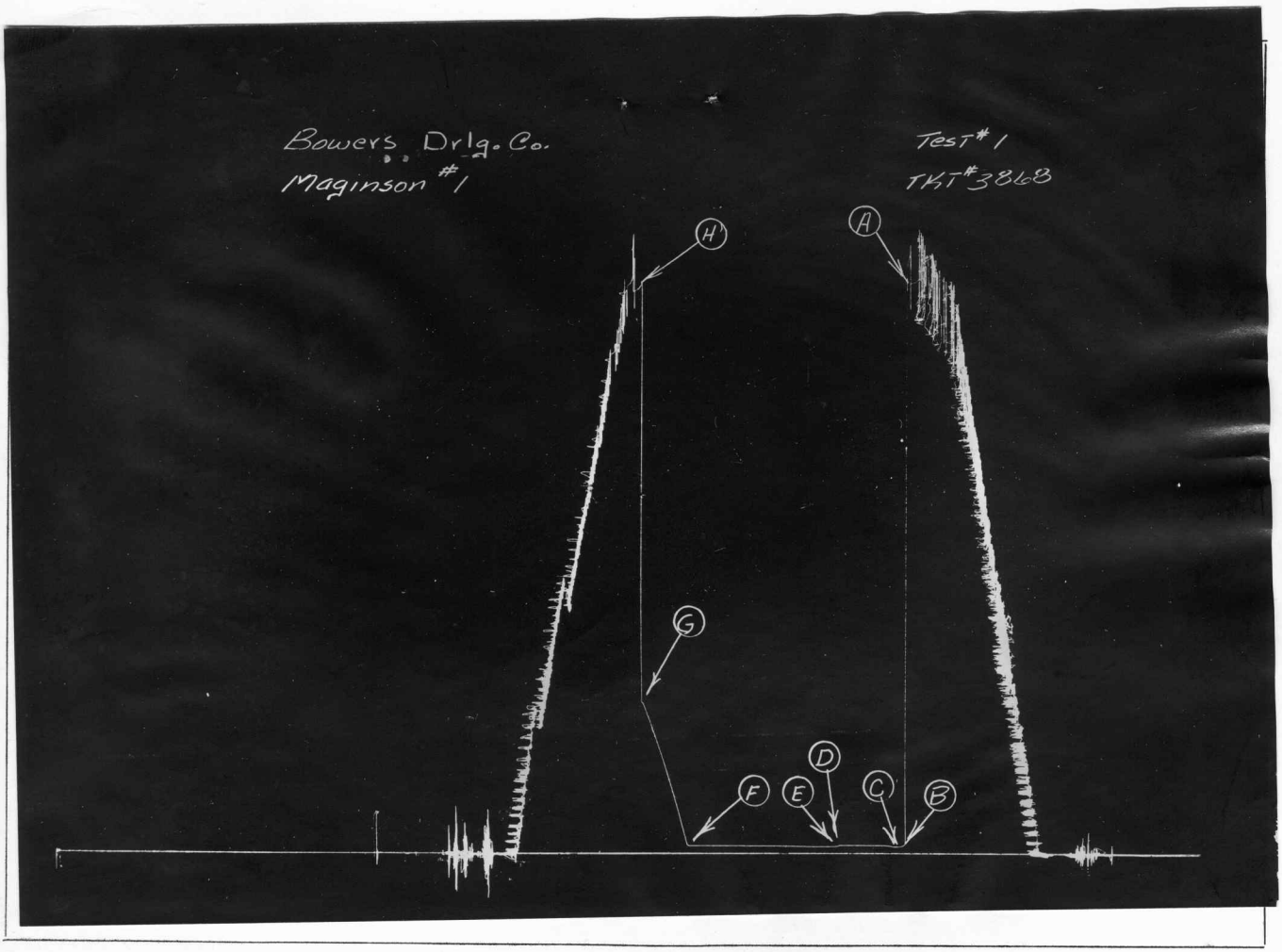
First Flow Press.
Breakdown: 1 Inc. of 5 mins. and a final inc. of 0 Min.

Initial Shut-In
Breakdown: 11 Inc. of 3 mins. and a final inc. of 0 Min.

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

Final Shut-In
Breakdown: 10 Inc. of 3 mins. and a final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	27	0	27	0	31	0	33
P 2 5	27	3	31	5	31	3	109
P 3		6	35	10	31	6	187
P 4		9	35	15	31	9	257
P 5		12	35	20	31	12	329
P 6		15	35	25	31	15	396
P 7		18	35	30	32	18	457
P 8		21	35	35	32	21	524
P 9		24	35	40	32	24	583
P10		27	35	45	32	27	639
P11		30	35	50	32	30	672
P12		33	35	55	32		
P13				60	32		
P14				65	33		
P15				70	33		
P16				75	33		
P17				80	33		
P18				85	33		
P19				90	33		
P20							



This is an actual photograph of recorder chart.

POINT		PRESSURE	
(A)	Initial Hydrostatic Mud	2546	PSI
(B)	First Initial Flow Pressure	27	PSI
(C)	First Final Flow Pressure	27	PSI
(D)	Initial Closed-in Pressure	35	PSI
(E)	Second Initial Flow Pressure	31	PSI
(F)	Second Final Flow Pressure	33	PSI
(G)	Final Closed-in Pressure	672	PSI
(H)	Final Hydrostatic Mud	2514	PSI

COMPANY Bowers Drilling Co. LEASE AND WELL NO. Maginson #1 SEC. 34 TWP. 32s RGE. 13w TEST NO. 1 DATE 8-15-64