36-30-2W

DUPLICATE

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

Bates Unit 4-2

Company Beardmore Drilling Company Lease & Well No. ~~Haines #2~~

Elevation 1310 Derrick Floor Formation Mississippi Ticket Number 8909

Date Sept.30,1966 Sec. ~~31~~ Twp. ~~30s~~ Range ~~1w~~ County Sumner State Kansas

Test Approved by Frederich N. Stump 36-30-2W Western Representative Norman Allen

Formation Test No. 1 O.K. x Misrun Interval Tested From 3727' to 3743' Total Depth 3743'

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

Packer Depth 3722 Ft. Size 6 3/4 Packer Depth 3727 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 16 Ft. Size 5½ OD

RECORDERS Depth 3736 Ft. Clock No. 6861 Depth 3739 Ft. Clock No. 6893

Top Make Kuster Cap. 3150 No. 1560 Inside ~~Outside~~ Bottom Make Kuster Cap. 3200 No. 1561 ~~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 12:53 P M

Tool Open I.F.P. From 12:55 M to 1:00 M Hr. 5 Min. From (B) 34 P.S.I. To (C) 47 P.S.I.

Tool Closed I.C.I.P. From 1:00 M. to 1:30 M. Hr. 30 Min. (D) 1299 P.S.I.

Tool Open F.F.P. From 1:30 M. to 2:30 M. 1 Hr. Min. From (E) 57 P.S.I. To (F) 91 P.S.I.

Tool Closed F.C.I.P. From 2:30 M. to 3:00 M. Hr. 30 Min. (G) 1296 P.S.I.

Initial Hydrostatic Pressure (A) 1986 P.S.I. Final Hydrostatic Pressure (H) 1980 P.S.I.

SURFACE INFORMATION	Size Choke 3/4 in.	Max. Press. P.S.I.	Time	Description of Flow
	Spring gauge 1"line	1 3/4 lbs	1:35P M.	Gas 240,000 C.F.P.D
	Spring gauge 1"line	3 lbs	1:45 M.	Gas 313,000 C.F.P.D.
	Spring gauge 1"line	5 lbs stablized	2:05 M. to 2:25	Gas 408,000 C.F.P.D.

BLOW Strong throughout test. Gas to surface 5 minutes. Bottom Choke Size 3/4 In.

Did Well Flow Gas Yes yes No Recovery Total Ft. 30' muddy oil;180' heavy oil and gas cut mud

Mud

Reversed Out Yes no No Mud Type chem. Viscosity 38 Weight 10.1 Maximum Temp. 112 °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 3197 I.D. Drill Pip 3.8 in Length Weight Pipe 480 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 30 ft.

O. D. Drill Collars 2¼ in. Length D.S.T. Tool 36 ft.

Remarks Gas sample was taken from 1:50 to 2:00 PM

P. O. BOX 793
GREAT BEND, KANSAS

COMPANY Beardmore Drilling Company · LEASE & WELL NO Haines #2

TEST NO. 1 INTERVAL TESTED FROM 3727' TO 3743'

TIME PRE-FLOW	MAX PRESS. P.S.I.	DESCRIPTION OF FLOW
On bottom - Tool open @12:55 PM		
Tool open 12:55 to 1:00 PM Preflow		
Tool closed 1:00 to 1:30PM ICIP		
Tool open @1:30 to 2:30 PM		
Gas to surface @1:30PM		
1:35PM	1-3/4 lbs.	Gas 240,000 C.F.P.D.
1:45PM	3 lbs.	Gas 313,000 C.F.P.D.
SECOND FLOW		Took gas sample from 1:50 to 2:00 PM
2:05PM	5 lbs	Gas 408,000 C.F.P.D.
2:15PM	5 lbs	Gas 408,000 C.F.P.D.
2:25PM	5 lbs.	Gas 408,000 C.F.P.D.
Closed tool in from 2:30 to 3:00 PM		

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

REMARKS All measurements were taken with a spring gauge impact) thru one inch line.

WESTERN TESTING CO., INC.

Pressure Data

Date: September 30, 1966 | Test Ticket No.: 8909

Recorder No.: 1560 | Capacity: 3150 | Location: 3736 Ft.

Clock No.: 6861 | Elevation: 1310 Derrick Floor | Well Temperature: 112 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	1986 P.S.I.	Opened Tool	12:53 P M	
B	First Initial Flow Pressure	34 P.S.I.	First Flow Pressure	5 Mins.	5 Mins.
C	First Final Flow Pressure	47 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D	Initial Closed-in Pressure	1299 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	57 P.S.I.	Final Closed-in Pressure	30 Mins.	32 Mins.
F	Second Final Flow Pressure	91 P.S.I.			
G	Final Closed-in Pressure	1296 P.S.I.			
H	Final Hydrostatic Mud	1980 P.S.I.			

PRESSURE BREAKDOWN

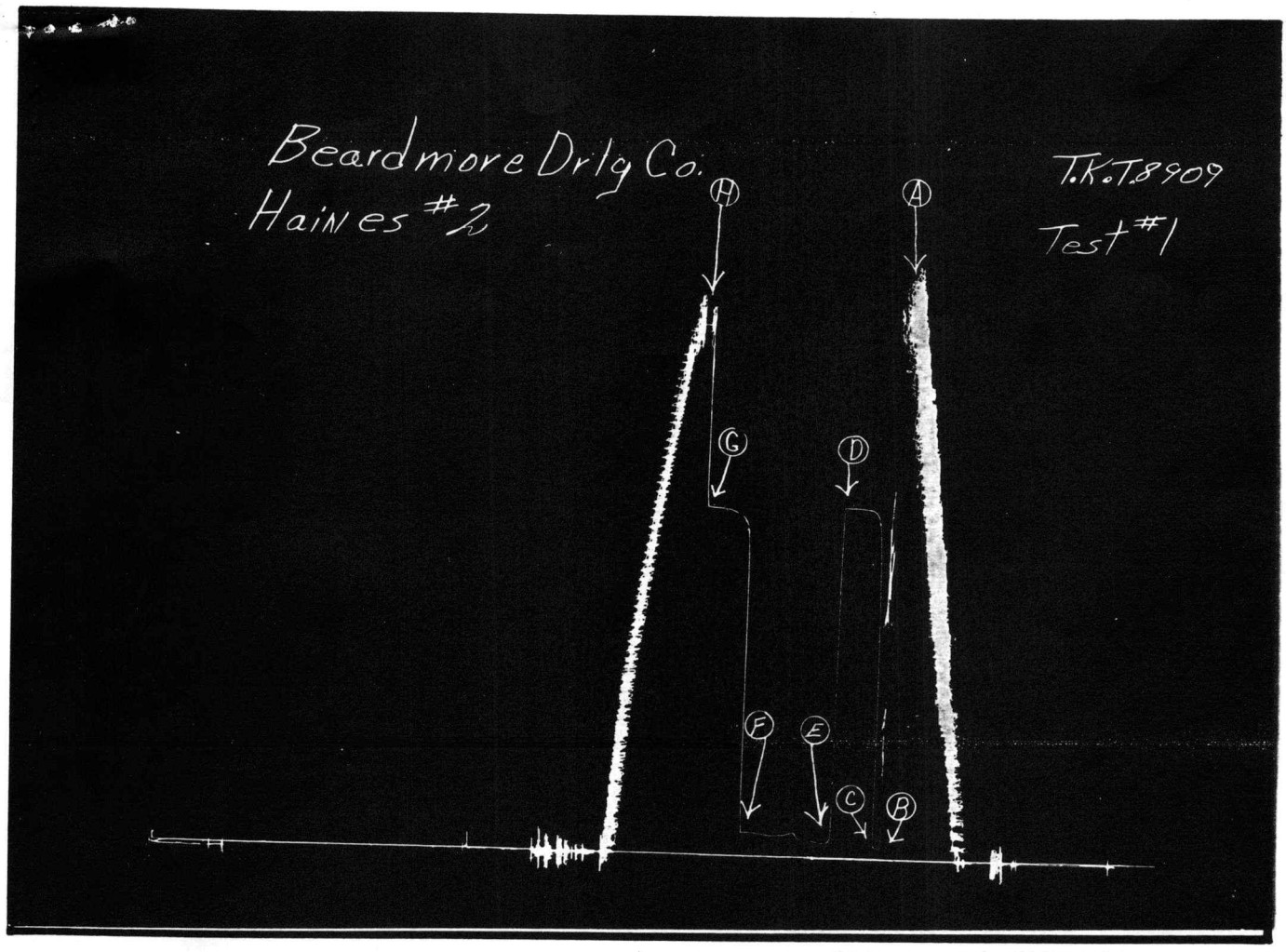
First Flow Press. Breakdown: 1 Inc. of 5 mins. and a final inc. of " Min.

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

Second Flow Pressure Breakdown: 12 Inc. of 5 mins. and a final inc. of " Min.

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

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	34	0	47	0	57	0	91
P 2 5	47	3	590	5	57	3	609
P 3		6	1143	10	61	6	1112
P 4		9	1274	15	66	9	1251
P 5		12	1290	20	69	12	1271
P 6		15	1294	25	91	15	1278
P 7		18	1296	30	86	18	1285
P 8		21	1299	35	83	21	1290
P 9		24	1299	40	83	24	1291
P10		27	1299	45	86	27	1293
P11		30	1299	50	89	30	1294
P12				55	92	32	1296
P13				60	91		
P14							
P15							
P16							
P17							
P18							
P19							
P20							



This is an actual photograph of recorder chart.

POINT		PRESSURE
(A)	Initial Hydrostatic Mud	1986 PSI
(B)	First Initial Flow Pressure	34 PSI
(C)	First Final Flow Pressure	47 PSI
(D)	Initial Closed-in Pressure	1299 PSI
(E)	Second Initial Flow Pressure	57 PSI
(F)	Second Final Flow Pressure	91 PSI
(G)	Final Closed-in Pressure	1296 PSI
(H)	Final Hydrostatic Mud	1980 PSI

COMPANY BEARDMORE DRILLING COMPANY LEASE AND WELL NO. HAINES #2 SEC. 31 TWP. 30S RGE. 1W TEST NO. 1 DATE 9-30-66