Home Office: Great Bend, Kansas

P. O. Box 793 GLadstone 3-7903

Company Pickrell Drilling Company Lease & Well No. Sitts C-1

Elevation 1647' D.F. Ticket Number 2037

Date 1-17-63 Sec. 27 Twp. 27S Range 9W County Kingman State Kansas

Test Approved by Donald J. Malone Western Representative Guy M. Knipe

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Formation Test No. 1 O.K. X Misrun ____ Interval Tested From 3990' to 4008' Total Depth 4008'

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

Packer Depth 3987 Ft. Size 6 3/4" Packer Depth ~~3987~~ 3990' Ft. Size 6 3/4"

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

Packer Depth ____ Ft Size ____

Tool Size 5½" O.D. Tool Jt. Size 4½" F.H. Anchor Length 18 Ft. Size 5½" O.D.

RECORDERS Depth 4000 Ft Clock No. 6806 Depth 4003 Ft. Clock No. -

Top Make Amerada Cap. 4200# No. 1558 Inside ~~Outside~~ Bottom Make Western Cap. 4000# No. 4 ~~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

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Time Set Packer 10:00 A M

Tool Open I.F.P. From 10:03A M to 10:08A M - Hr. 5 Min. From (B) 50 P.S.I. To (C) 50 P.S.I.

Tool Closed I.C.I.P. From 10:08A M. to 10:38A M. - Hr. 30 Min. (D) 1430 P.S.I.

Tool Open F.F.P. From 10:38A M. to 12:08P M. 1 Hr. 30 Min. From (E) 69 P.S.I. To (F) 219 P.S.I.

Tool Closed F.C.I.P. From 12:08P M. to 12:38P M. - Hr. 30 Min. (G) 1355 P.S.I.

Inital Hydrostatic Pressure (A) 2152 P.S.I. Final Hydrostatic Pressure (H) 2141 P.S.I.

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

____ ____ ____ M. ____

____ ____ ____ M. ____

____ ____ ____ M. ____

BLOW Strong-Gas to surface in 35 mins. - Too small to gauge Bottom Choke Size 3/4 in.

Did Well Flow X Yes ____ No Recovery Total Ft. 720

180' Heavy gas cut mud-Few spots Oil-240' O.&G.C.Muddy Salt Water-300' Salt Water Mud

Reversed Out ____ Yes X No Mud Type Starch Viscosity 37 Weight 10. Maximum Temp. 130 °F

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

Type Circ. Sub. Plug Did Tool Plug? No Where? ____ Did Packer Hold? Yes

Length Drill Pipe 3102 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 869 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ____ ft.

I. D. Drill Collars ____ in. Length D. S. T. Tool 37 ft.

Remarks

WHELAN PRINTERS

WESTERN TESTING CO., INC.
Pressure Data

Date 1-17-63 Test Ticket No. 2037

Recorder No. 1558 Capacity 4200# Location 4000 Ft.

Clock No. 6806 Elevation 1647' D.F. Well Temperature 130 °F

Point		Pressure		Time Given		Time Computed	
A	Initial Hydrostatic Mud	2152 P.S.I.	Opened Tool	10:03A	M	10:03 AM	
B	First Initial Flow Pressure	50 P.S.I.	First Flow Pressure	5	Mins.	5	Mins.
C	First Final Flow Pressure	50 P.S.I.	Initial Closed-in Pressure	30	Mins.	32	Mins.
D	Initial Closed-in Pressure	1430 P.S.I.	Second Flow Pressure	90	Mins.	90	Mins.
E	Second Initial Flow Pressure	69 P.S.I.	Final Closed-in Pressure	30	Mins.	30	Mins.
F	Second Final Flow Pressure	219 P.S.I.					
G	Final Closed-in Pressure	1355 P.S.I.					
H	Final Hydrostatic Mud	2141 P.S.I.					

PRESSURE BREAKDOWN

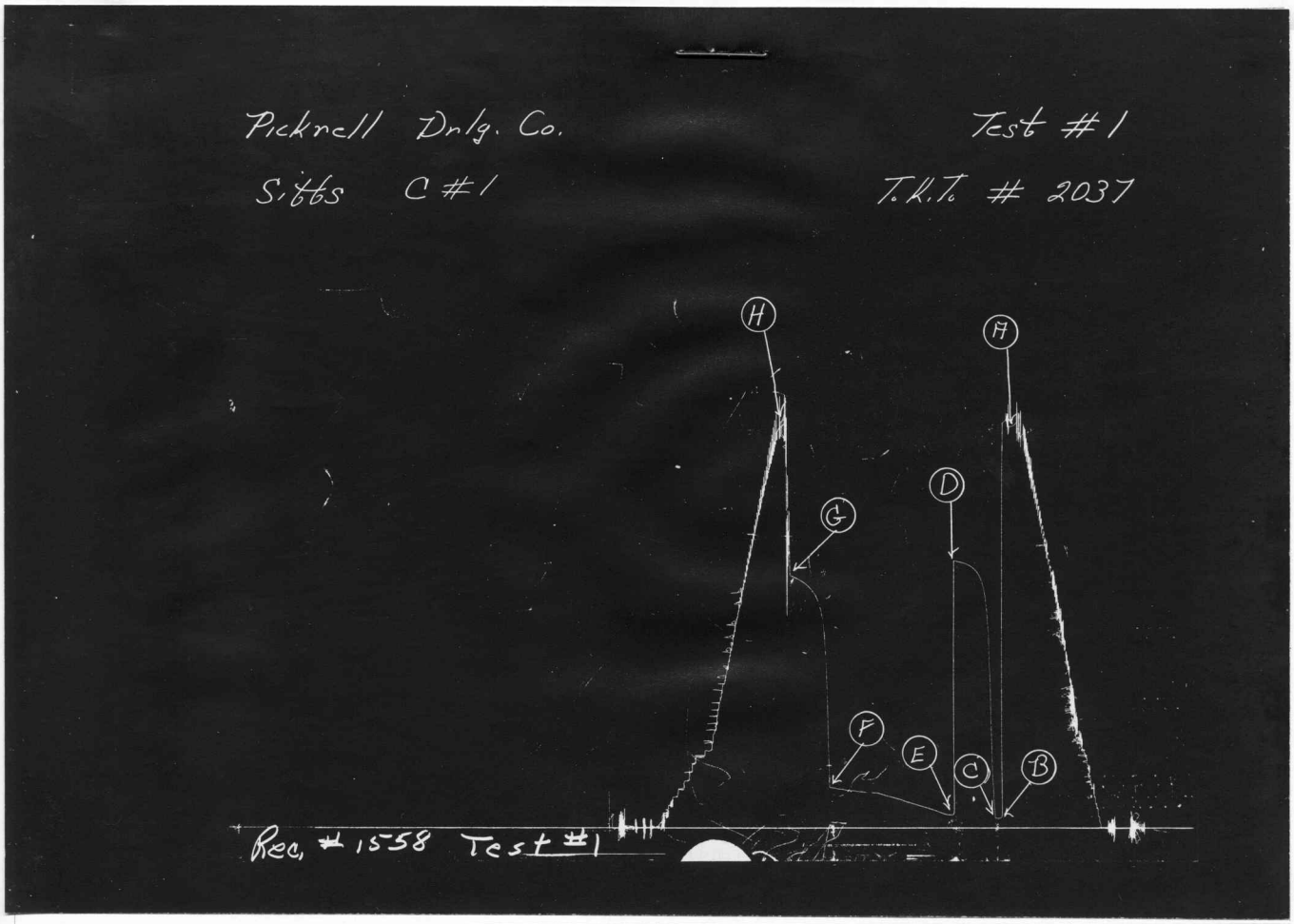
First Flow Press.
Breakdown: 1 Inc.
of 5 mins. and a
final inc. of - Min.

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

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

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

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	50	0	50	0	69	0	219
P 2 5	50	3	478	5	69	3	716
P 3		6	1010	10	84	6	1081
P 4		9	1246	15	96	9	1190
P 5		12	1330	20	109	12	1250
P 6		15	1369	25	120	15	1280
P 7		18	1392	30	130	18	1305
P 8		21	1407	35	143	21	1323
P 9		24	1420	40	156	24	1334
P10		27	1424	45	166	27	1346
P11		30	1428	50	177	30	1355
P12		32	1430	55	189		
P13				60	190		
P14				65	194		
P15				70	196		
P16				75	202		
P17				80	208		
P18				85	213		
P19				90	219		
P20							



This is an actual photograph of recorder chart.

POINT		PRESSURE	
(A)	Initial Hydrostatic Mud	2152	PSI
(B)	First Initial Flow Pressure	50	PSI
(C)	First Final Flow Pressure	50	PSI
(D)	Initial Closed-in Pressure	1430	PSI
(E)	Second Initial Flow Pressure	69	PSI
(F)	Second Final Flow Pressure	219	PSI
(G)	Final Closed-in Pressure	1355	PSI
(H)	Final Hydrostatic Mud	2141	PSI

Company Picknell Drilling Company Lease and Well No. Sitts C-1 Sec. 27 Twp. 27S Rge. 9W Test No. 1 Date 1-17-63

WESTERN TESTERS

Home Office: Great Bend, Kansas

P. O. Box 793 GLadstone 3-7903

Company Pickrell Drilling Company Lease & Well No. Sitts C-1

Elevation 1647' D.F. Ticket Number 2038

Date 1-19-63 Sec. 27 Twp. 27S Range 9W County Kingman State Kansas

Test Approved by Donald J. Malone Western Representative Guy N. Knipe

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Formation Test No. 2 O.K. X Misrun ____ Interval Tested From 4281' to 4290' Total Depth 4290'

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 4278 Ft. Size 6 3/4" Packer Depth 4281 Ft. Size 6 3/4"

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

Packer Depth ____ Ft Size ____

Tool Size 5½" O.D. Tool Jt. Size 4½" F.H. Anchor Length 9 Ft. Size 5½" O.D.

RECORDERS Depth 4284 Ft Clock No. 6806 Depth 4287 Ft. Clock No. -

Top Make Amerada Cap. 4200# No. 1558 Inside Outside Bottom Make Western Cap. 4000# No. 4 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

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Time Set Packer 8:30 P M

Tool Open I.F.P. From 8:32P M to 8:36P M - Hr. 4 Min. From (B) 27 P.S.I. To (C) 27 P.S.I.

Tool Closed I.C.I.P. From 8:36P M. to 9:06P M. - Hr. 30 Min. (D) 1422 P.S.I.

Tool Open F.F.P. From 9:06P M. to 10:36P M. 1 Hr. 30 Min. From (E) 40 P.S.I. To (F) 67 P.S.I.

Tool Closed F.C.I.P. From 10:36P M. to 11:06P M. - Hr. 30 Min. (G) 1378 P.S.I.

Inital Hydrostatic Pressure (A) 2364 P.S.I. Final Hydrostatic Pressure (H) 2310 P.S.I.

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

____ ____ ____ M. ____

____ ____ ____ M. ____

____ ____ ____ M. ____

BLOW Weak throughout flow period (2½" Blow) Bottom Choke Size 3/4 in.

Did Well Flow ____ Yes X No Recovery Total Ft. 120

60' Slightly oil spotted watery mud - 60' Muddy water Mud

Reversed Out ____ Yes X No Mud Type Starch Viscosity 49 Weight 10.1 Maximum Temp. 132 °F

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

Type Circ. Sub. Plug Did Tool Plug? No Where? ____ Did Packer Hold? Yes

Length Drill Pipe 3392 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 869 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ____ ft.

I. D. Drill Collars ____ in. Length D. S. T. Tool 29 ft.

Remarks

WHELAN PRINTERS

WESTERN TESTING CO., INC.
Pressure Data

Date 1-19-63 Test Ticket No. 2038

Recorder No. 1558 Capacity 4200# Location 4284 Ft.

Clock No. 6806 Elevation 1647' D.F. Well Temperature 132 °F

Point		Pressure		Time Given		Time Computed	
A	Initial Hydrostatic Mud	2364	P.S.I.	Opened Tool	8:32 P M	8:32 PM	
B	First Initial Flow Pressure	27	P.S.I.	First Flow Pressure	4 Mins.	5	Mins.
C	First Final Flow Pressure	27	P.S.I.	Initial Closed-in Pressure	30 Mins.	31	Mins.
D	Initial Closed-in Pressure	1422	P.S.I.	Second Flow Pressure	90 Mins.	90	Mins.
E	Second Initial Flow Pressure	40	P.S.I.	Final Closed-in Pressure	30 Mins.	30	Mins.
F	Second Final Flow Pressure	67	P.S.I.				
G	Final Closed-in Pressure	1378	P.S.I.				
H	Final Hydrostatic Mud	2310	P.S.I.				

PRESSURE BREAKDOWN

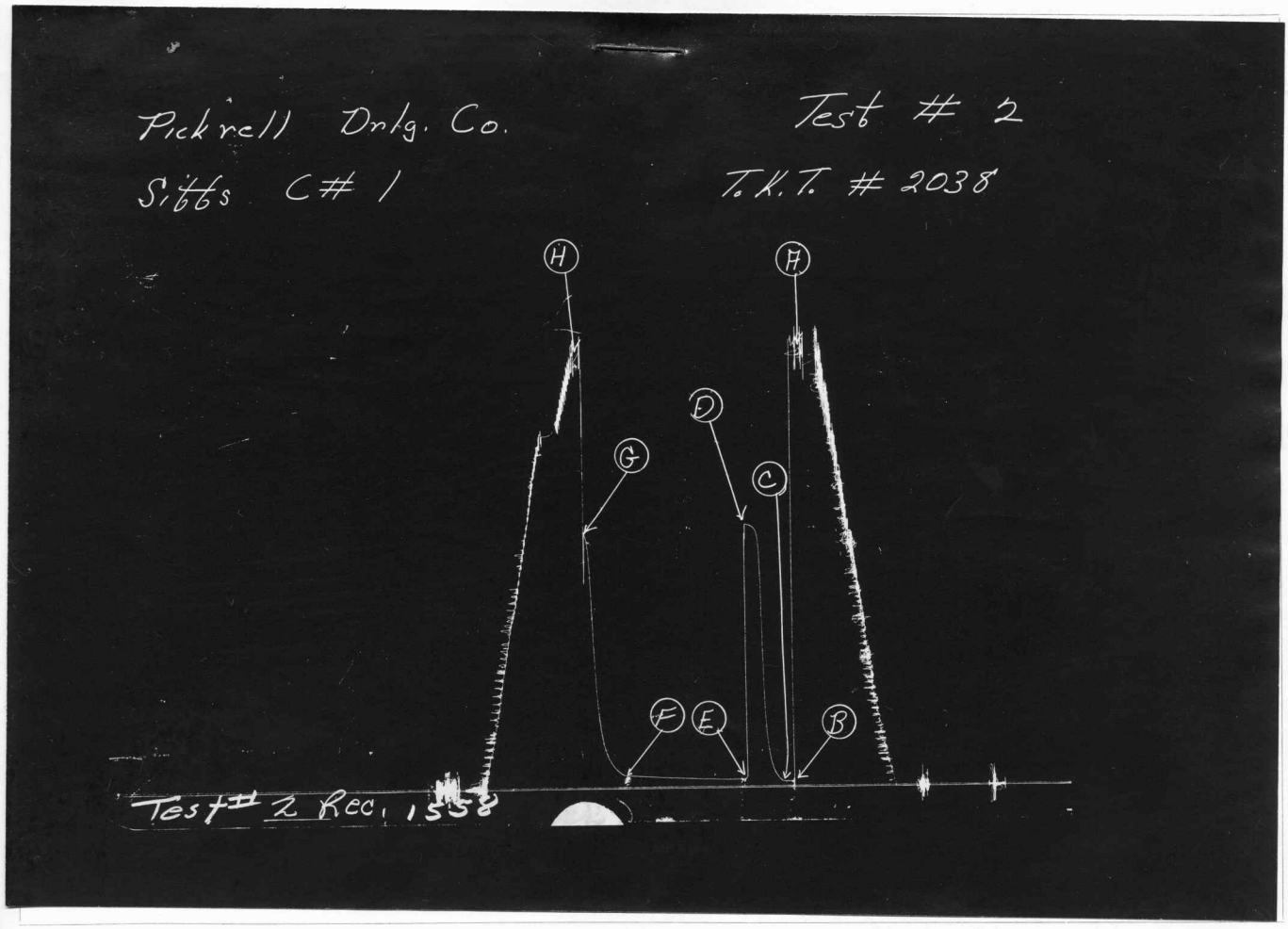
First Flow Press.
Breakdown: 1 Inc.
of 5 mins. and a
final inc. of - Min.

Initial Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 1 Min.

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

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

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	0 27	0	27	0	40	0	67
P 2	5 27	3	31	5	41	3	73
P 3		6	54	10	42	6	92
P 4		9	90	15	44	9	115
P 5		12	162	20	45	12	153
P 6		15	331	25	47	15	202
P 7		18	672	30	48	18	297
P 8		21	1198	35	49	21	506
P 9		24	1386	40	50	24	818
P10		27	1411	45	52	27	1217
P11		30	1420	50	53	30	1378
P12		31	1422	55	55		
P13				60	56		
P14				65	58		
P15				70	59		
P16				75	61		
P17				80	63		
P18				85	64		
P19				90	67		
P20							



This is an actual photograph of recorder chart.

POINT		PRESSURE	
(A)	Initial Hydrostatic Mud	2364	PSI
(B)	First Initial Flow Pressure	27	PSI
(C)	First Final Flow Pressure	27	PSI
(D)	Initial Closed-in Pressure	1422	PSI
(E)	Second Initial Flow Pressure	40	PSI
(F)	Second Final Flow Pressure	67	PSI
(G)	Final Closed-in Pressure	1378	PSI
(H)	Final Hydrostatic Mud	2310	PSI

Company Pickrell Drilling Company Lease and Well No. Sibbs C-1 Sec. 27 Twp. 7S Rge. 9W Test No. 2 Date 1-19-63