



Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company J. A. Allison Lease & Well No. Herman "A" #1
Elevation _____ Formation Topeka Effective Pay _____ Ft. Ticket No. 15753
Date June 20, 1971 Sec. 22 Twp. 16S Range 18W County Rush State Kansas
Test Approved by George Waite Western Representative Dean Hlagrave
Formation Test No. 1 O.K. ☒ Misrun _____ Interval Tested From 2990' to 3020' Total Depth 3020'
Size Main Hole 7 7/8" Hole _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No
Packer Depth 2985 Ft. Size 6 3/4" Packer Depth 2990 Ft. Size 6 3/4"
Straddle _____ Yes _____ No ☒ Conv. _____ B.T. _____ Damaged _____ Yes _____ No
Packer Depth _____ Ft. Size _____
Tool Size 5 1/2" O.D. Tool Jt. Size 4 1/2" FH. Anchor Length 30 Ft. Size 5 1/2" O.D.
RECORDERS Depth 3011 Ft. Clock No. 6899 Depth 3014 Ft. Clock No. 9102
Top Make Kuster Cap. 4000 No. 3659 Inside Bottom Make Kuster Cap. 4000 No. 3660 Inside
Below Straddle: Depth _____ Clock No. _____ Inside Depth _____ Ft. Clock No. _____ Inside
Top Make _____ Cap. _____ No. _____ Inside Bottom Make _____ Cap. _____ No. _____ Inside
Time Set Packer 4:31 P. M.
Tool Open I.F.P. From 4:33 P. M. to 4:48 P. M. Hr. 15 Min. From (B) 26 P.S.I. To (C) 28 P.S.I.
Tool Closed I.C.I.P. From 4:48 P. M. to 5:18 P. M. Hr. 30 Min. (D) 234 P.S.I.
Tool Open F.F.P. From 5:18 P. M. to 6:18 P. M. 1 Hr. 00 Min. From (E) 27 P.S.I. To (F) 32 P.S.I.
Tool Closed F.C.I.P. From 6:18 P. M. to 6:48 P. M. Hr. 30 Min. (G) 414 P.S.I.
Initial Hydrostatic Pressure (A) 1648 P.S.I. Final Hydrostatic Pressure (H) 1630 P.S.I.
SURFACE Size Choke 1/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____
BLOW Strong throughout Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 5 feet mud
Reversed Out _____ Yes ☒ No _____ Mud Type Starch Viscosity 41 Weight 10.4 Water Loss 17.8 cc. Maximum Temp. 99 °F
Type Circ. Sub. Pin 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 1970 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 1009 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars None ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 48 ft.
Remarks _____

WESTERN TESTING CO., INC.

Pressure Data

Date June 20, 1971Test Ticket No. 15753Recorder No. 3659Capacity 4000Location 3011 Ft.Clock No. 6899Elevation Not AvailableWell Temperature 99 °F

Point

Pressure

Time
GivenTime
ComputedA Initial Hydrostatic Mud 1648 P.S.I.

Open Tool

4:31 P.M.B First Initial Flow Pressure 26 P.S.I.

First Flow Pressure

15 Mins. 15 Mins.C First Final Flow Pressure 28 P.S.I.

Initial Closed-in Pressure

30 Mins. 30 Mins.D Initial Closed-in Pressure 234 P.S.I.

Second Flow Pressure

60 Mins. 60 Mins.E Second Initial Flow Pressure 27 P.S.I.

Final Closed-in Pressure

30 Mins. 30 Mins.F Second Final Flow Pressure 32 P.S.I.G Final Closed-in Pressure 414 P.S.I.H Final Hydrostatic Mud 1630 P.S.I.

PRESSURE BREAKDOWN

First Flow Pressure

Breakdown: 3 Inc.of 5 mins. and afinal inc. of Min.

Initial Shut-In

Breakdown: 10 Inc.of 3 mins. and afinal inc. of Min.

Second Flow Pressure

Breakdown: 12 Inc.of 5 mins. and afinal inc. of Min.

Final Shut-In

Breakdown: 10 Inc.of 3 mins. and afinal inc. of Min.Point
Mins.

Press.

Point
Minutes

Press.

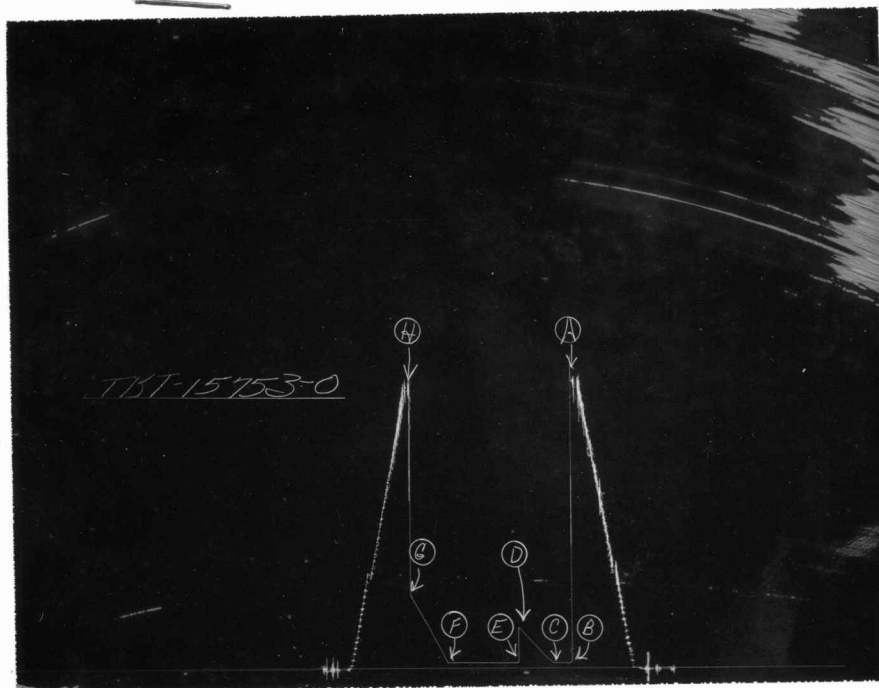
Point
Minutes

Press.

Point
Minutes

Press.

P 1 0 260 280 270 32P 2 5 273 365 273 63P 3 10 276 5410 276 108P 4 15 289 7015 289 144P 5 20 12 9420 2812 186P 6 25 15 12125 2915 226P 7 18 14230 2918 262P 8 21 16635 2921 298P 9 24 19040 3024 334P10 27 21245 3027 372P11 30 23450 3130 414P12 55 32 P13 60 32 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	1680	1648	PSI
(B) First Initial Flow Pressure	20	26	PSI
(C) First Final Flow Pressure	20	28	PSI
(D) Initial Closed-in Pressure	220	234	PSI
(E) Second Initial Flow Pressure	30	27	PSI
(F) Second Final Flow Pressure	30	32	PSI
(G) Final Closed-in Pressure	410	414	PSI
(H) Final Hydrostatic Mud	1640	1630	PSI



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Company J. A. Allison Lease & Well No. Herman "A" #1

Elevation 2032 Kelly Bushings Formation Toronto Effective Pay _____ Ft. Ticket No. 15754

Date 6-22-71 Sec. 22 Twp. 16S Range 18W County Rush State Kansas

Test Approved by Geo. Waite Western Representative Dean Blagrove

Formation Test No. 2 O.K. ☒ Misrun _____ Interval Tested From 3230' to 3265' Total Depth 3265'

Size Main Hole 7 7/8" Rat Hole _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No

Packer Depth 3225 Ft. Size 6 3/4" Packer Depth 3230 Ft. Size 6 3/4"

Straddle _____ Yes _____ No ☒ Conv. _____ B.T. _____ Damaged _____ Yes _____ No

Packer Depth _____ Ft. Size _____

Tool Size 5 1/2" O.D. Tool Jt. Size 4 1/2" F.H. Anchor Length 35 Ft. Size 5 1/2" O.D.

RECORDERS Depth 3256 Ft. Clock No. 6899 Depth 3259 Ft. Clock No. 9102

Top Make Kuster Cap. 4000 No. 3659 Inside Outside Bottom Make Kuster Cap. 4000 No. 3660 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 7:25 A. M

Tool Open I.F.P. From 7:27 M. to 7:42A. M. Hr. 15 Min. From (B) 29 P.S.I. To (C) 32 P.S.I.

Tool Closed I.C.I.P. From 7:42 M. to 8:12A. M. Hr. 30 Min. (D) 1088 P.S.I.

Tool Open F.F.P. From 8:12 M. to 9:12A. M. Hr. 1 Min. From (E) 43 P.S.I. To (F) 66 P.S.I.

Tool Closed F.C.I.P. From 9:12 M. to 9:42A. M. Hr. 30 Min. (G) 998 P.S.I.

Initial Hydrostatic Pressure (A) 1850 P.S.I. Final Hydrostatic Pressure (H) 1841 P.S.I.

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

INFORMATION _____ M. _____ M. _____ M. _____

BLOW Weak thru out Bottom Choke Size 3/4 In.

Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 75 feet thin mud

Reversed Out _____ Yes ☒ No _____ Mud Type Starch Viscosity 49 Weight 10.4 Water Loss 15.6 cc. Maximum Temp. 98 °F

Type Circ. Sub. Pin 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 2220 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 1009 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars None ft.

I. D. Drill Collars _____ in. Length D.S.T. Tool 53 ft.

Remarks _____

WESTERN TESTING CO., INC.

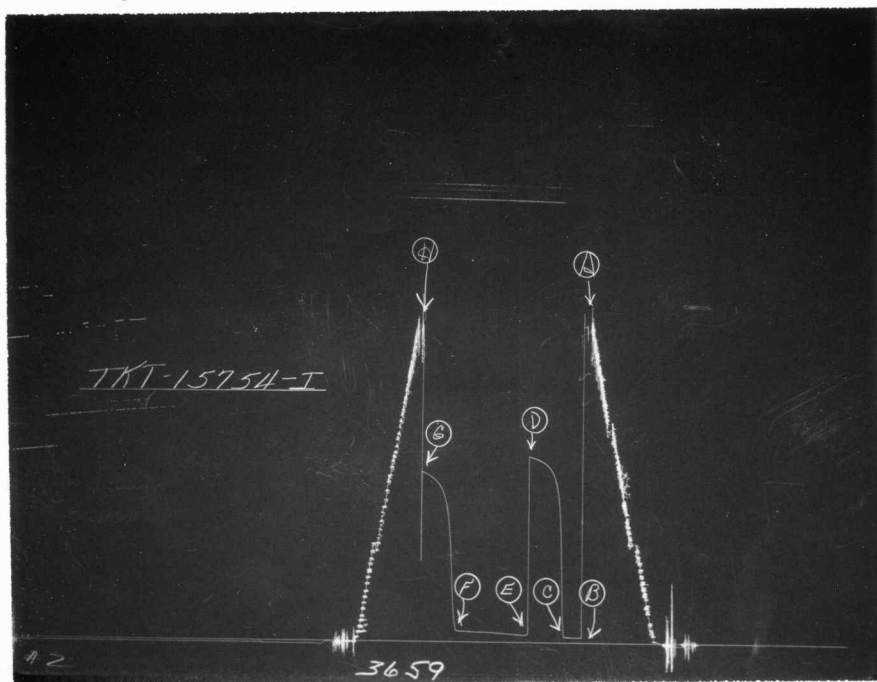
Pressure Data

Date 6-22-71 Recorder No. 3659 Capacity 4000 Test Ticket No. 15754
 Clock No. 6899 Elevation 2032 Kelly Bushings Location 3256 Ft. 98 °F

Point	Pressure		Time Given 7:25	A.	Time Computed
A Initial Hydrostatic Mud	1850	P.S.I.			
B First Initial Flow Pressure	29	P.S.I.	15	Mins.	15
C First Final Flow Pressure	32	P.S.I.	30	Mins.	30
D Initial Closed-in Pressure	1088	P.S.I.	60	Mins.	60
E Second Initial Flow Pressure	43	P.S.I.	30	Mins.	30
F Second Final Flow Pressure	66	P.S.I.			
G Final Closed-in Pressure	998	P.S.I.			
H Final Hydrostatic Mud	1841	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>3</u> Inc. of <u>5</u> mins. and a final inc. of _____ Min.		Initial Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of _____ Min.		Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of _____ Min.		Final Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>29</u>	<u>0</u>	<u>32</u>	<u>0</u>	<u>43</u>	<u>0</u>	<u>66</u>
P 2 <u>5</u>	<u>29</u>	<u>3</u>	<u>637</u>	<u>5</u>	<u>44</u>	<u>3</u>	<u>276</u>
P 3 <u>10</u>	<u>30</u>	<u>6</u>	<u>903</u>	<u>10</u>	<u>46</u>	<u>6</u>	<u>646</u>
P 4 <u>15</u>	<u>32</u>	<u>9</u>	<u>976</u>	<u>15</u>	<u>49</u>	<u>9</u>	<u>793</u>
P 5 _____		<u>12</u>	<u>1016</u>	<u>20</u>	<u>53</u>	<u>12</u>	<u>876</u>
P 6 _____		<u>15</u>	<u>1039</u>	<u>25</u>	<u>55</u>	<u>15</u>	<u>918</u>
P 7 _____		<u>18</u>	<u>1054</u>	<u>30</u>	<u>57</u>	<u>18</u>	<u>946</u>
P 8 _____		<u>21</u>	<u>1066</u>	<u>35</u>	<u>59</u>	<u>21</u>	<u>963</u>
P 9 _____		<u>24</u>	<u>1076</u>	<u>40</u>	<u>60</u>	<u>24</u>	<u>978</u>
P10 _____		<u>27</u>	<u>1082</u>	<u>45</u>	<u>61</u>	<u>27</u>	<u>988</u>
P11 _____		<u>30</u>	<u>1088</u>	<u>50</u>	<u>63</u>	<u>30</u>	<u>998</u>
P12 _____				<u>55</u>	<u>64</u>		
P13 _____				<u>60</u>	<u>66</u>		
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	1850	1850	PSI
(B) First Initial Flow Pressure	30	29	PSI
(C) First Final Flow Pressure	30	32	PSI
(D) Initial Closed-in Pressure	1090	1088	PSI
(E) Second Initial Flow Pressure	40	43	PSI
(F) Second Final Flow Pressure	60	66	PSI
(G) Final Closed-in Pressure	990	998	PSI
(H) Final Hydrostatic Mud	1830	1841	PSI



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Company J. A. Allison Lease & Well No. Herman "A" #1
Elevation 2032 Kelly Bushings Formation Kansas City Effective Pay _____ Ft. Ticket No. 15755
Date 6-22-71 Sec. 22 Twp. 16S Range 18W County Rush State Kansas
Test Approved by Geo. Waite Western Representative Dean Blagrave
Formation Test No. 3 O.K. X Misrun _____ Interval Tested From 3263' to 3302' Total Depth 3302'
Size Main Hole 7 7/8" Rat Hole _____ Conv. _____ B.T. X Damaged _____ Yes X No Conv. X B.T. _____ Damaged _____ Yes _____ No X
Packer Depth 3258 Ft. Size 6 3/4" Packer Depth 3263 Ft. Size 6 3/4"
Straddle _____ Yes _____ No X Conv. _____ B.T. _____ Damaged _____ Yes _____ No _____
Tool Size 5 1/2" O.D. Tool Jt. Size 4 1/2" F.H. Anchor Length 39 Ft. Size 5 1/2" O.D.
RECORDERS Depth 3293 Ft. Clock No. 6899 Depth 3296 Ft. Clock No. 9102
Top Make Kuster Cap. 4000 No. 3659 Inside Outside Bottom Make Kuster Cap. 4000 No. 3660 Inside Outside
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____
Time Set Packer 7:32 P. M
Tool Open I.F.P. From 7:34 M. to 7:49P. M. Hr. 15 Min. From (B) 52 P.S.I. To (C) 51 P.S.I.
Tool Closed I.C.I.P. From 7:49 M. to 8:19P. M. Hr. 30 Min. (D) 1038 P.S.I.
Tool Open F.F.P. From 8:19 M. to 9:04P. M. Hr. 45 Min. From (E) 38 P.S.I. To (F) 39 P.S.I.
Tool Closed F.C.I.P. From 9:04 M. to 9:34P. M. Hr. 30 Min. (G) 1030 P.S.I.
Initial Hydrostatic Pressure (A) 1868 P.S.I. Final Hydrostatic Pressure (H) 1832 P.S.I.
SURFACE Size Choke 1 1/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ 7" H₂O 7:44P. M. 116,000
_____ 6.5" H₂O 8:29P. M. 112,000
_____ Stabilized @ _____ M. 112,000
BLOW Strong gas to surface in 5 min. Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes X No _____ Recovery Total Ft. 10 feet mud
Reversed Out _____ Yes X No _____ Mud Type Starch Viscosity 49 Weight 10.4 Water Loss 15.6 cc. Maximum Temp. 102 °F
Type Circ. Sub. Pin 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 2250 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 1009 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars None ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 57 ft.
Remarks Gas sample taken in Bottle #612

WESTERN TESTING CO., INC.

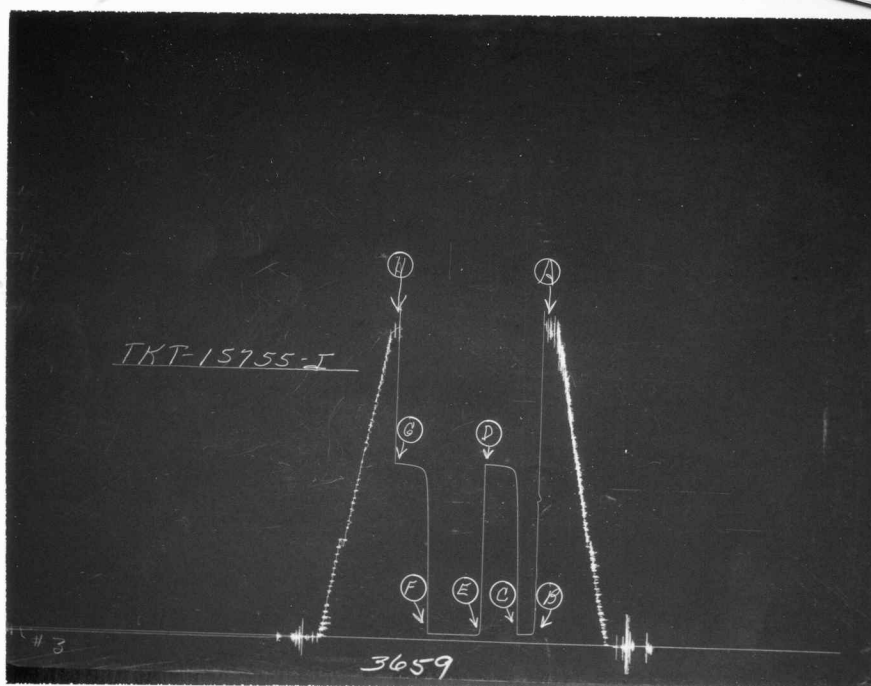
Pressure Data

Date **6-22-71** Recorder No. **3659** Capacity **4000** Test Ticket No. **15755**
 Clock No. **6899** Elevation **2032 Kelly Bushings** Location **3293** Ft. **102**
 Well Temperature **102** °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	1868 P.S.I.	7:32 P.	15 Mins.
B First Initial Flow Pressure	52 P.S.I.		15 Mins.
C First Final Flow Pressure	51 P.S.I.		30 Mins.
D Initial Closed-in Pressure	1038 P.S.I.		45 Mins.
E Second Initial Flow Pressure	38 P.S.I.		30 Mins.
F Second Final Flow Pressure	39 P.S.I.		
G Final Closed-in Pressure	1030 P.S.I.		
H Final Hydrostatic Mud	1832 P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 3 Inc.		Breakdown: 10 Inc.		Breakdown: 8 Inc.		Breakdown: 10 Inc.	
of 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
final inc. of _____ Min.		final inc. of _____ Min.		final inc. of 4 Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	52	0	51	0	38	0	39
P 2 5	51	3	874	5	38	3	676
P 3 10	51	6	1011	10	38	6	973
P 4 15	51	9	1024	15	38	9	1004
P 5 _____		12	1030	20	38	12	1014
P 6 _____		15	1032	25	38	15	1019
P 7 _____		18	1034	30	38	18	1022
P 8 _____		21	1036	35	39	21	1026
P 9 _____		24	1037	40	39	24	1028
P10 _____		27	1037	44	39	27	1029
P11 _____		30	1038			30	1030
P12 _____							
P13 _____							
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	1870	1868	PSI
(B) First Initial Flow Pressure	50	52	PSI
(C) First Final Flow Pressure	50	51	PSI
(D) Initial Closed-in Pressure	1030	1038	PSI
(E) Second Initial Flow Pressure	30	38	PSI
(F) Second Final Flow Pressure	30	39	PSI
(G) Final Closed-in Pressure	1030	1030	PSI
(H) Final Hydrostatic Mud	1830	1832	PSI



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Company J. A. Allison Lease & Well No. Herman "A" #1
Elevation 2032 Kelly Bushings Formation Kansas City Effective Pay _____ Ft. Ticket No. 15756
Date 6-23-71 Sec. 22 Twp. 16S Range 18W County Rush State Kansas
Test Approved by Geo. Waite Western Representative Dean Blagrove
Formation Test No. 4 O.K. ☒ Misrun _____ Interval Tested From 3298' to 3322' Total Depth 3322'
Size Main Hole 7 7/8" Rat Hole _____ Conv. _____ B.T. ☒ Damaged Yes ☒ No Conv. ☒ B.T. _____ Damaged Yes ☒ No
Packer Depth 3293 Ft. Size 6 3/4" Packer Depth 3298 Ft. Size 6 3/4"
Straddle _____ Yes _____ No ☒ Conv. _____ B.T. _____ Damaged _____ Yes _____ No
Packer Depth _____ Ft. Size _____
Tool Size 5 1/2" O.D. Tool Jt. Size 4 1/2" F.H. Anchor Length 24 Ft. Size 5 1/2" O.D.
RECORDERS Depth 3313 Ft. Clock No. 6899 Depth 3316 Ft. Clock No. 9102
Top Make Kuster Cap. 4000 No. 3659 ~~Inside~~ Outside Bottom Make Kuster Cap. 4000 No. 3660 ~~Inside~~ Outside
Below Straddle: Depth _____ Clock No. _____ Inside Depth _____ Ft. Clock No. _____ Outside
Top Make _____ Cap. _____ No. _____ Inside Bottom Make _____ Cap. _____ No. _____ Outside
Time Set Packer 6:50 A. M.
Tool Open I.F.P. From 6:53 M. to 7:08A. M. Hr. 15 Min. From (B) 98 P.S.I. To (C) 101 P.S.I.
Tool Closed I.C.I.P. From 7:08 M. to 7:38A. M. Hr. 30 Min. (D) 1020 P.S.I.
Tool Open F.F.P. From 7:38 M. to 8:23A. M. Hr. 45 Min. From (E) 93 P.S.I. To (F) 100 P.S.I.
Tool Closed F.C.I.P. From 8:23 M. to 8:53A. M. Hr. 30 Min. (G) 1018 P.S.I.
Initial Hydrostatic Pressure (A) 1864 P.S.I. Final Hydrostatic Pressure (H) 1836 P.S.I.
SURFACE Size Choke 1 1/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION Pre flow 5 PSI 7:03 A.M. 542,000
Second flow 5.5 PSI 7:48A. 571,000
6 PSI 7:58 599,000 stablized
BLOW Strong - gas to surface in 3 min. Bottom Choke Size _____ In.
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 15 feet gassy mud
Reversed Out _____ Yes ☒ No _____ Mud Type Starch Viscosity 45 Weight 10.4 Water Loss 14.4 cc. Maximum Temp. 102 °F
Type Circ. Sub. Pin 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 2280 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 1009 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars None ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 42 ft.
Remarks Gas sample taken in Bottle #622

WESTERN TESTING CO., INC.

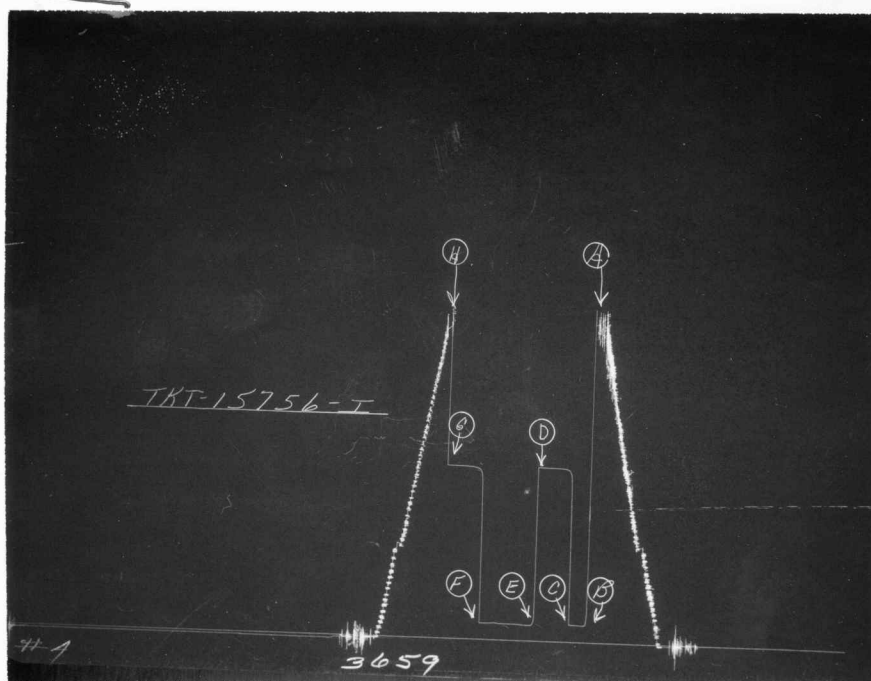
Pressure Data

Date 6-23-71 Recorder No. 3659 Capacity 4000 Test Ticket No. 15756
 Clock No. 6899 Elevation 2032 Kelly Bushings Location 3313 Ft. 102 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1864</u>	P.S.I.	<u>6:50</u> A. M.	
B First Initial Flow Pressure	<u>98</u>	P.S.I.	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>101</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1020</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>93</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>100</u>	P.S.I.		
G Final Closed-in Pressure	<u>1018</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1836</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>10</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>98</u>	<u>0</u>	<u>101</u>	<u>0</u>	<u>93</u>	<u>0</u>	<u>100</u>
P 2 <u>5</u>	<u>99</u>	<u>3</u>	<u>1006</u>	<u>5</u>	<u>94</u>	<u>3</u>	<u>997</u>
P 3 <u>10</u>	<u>101</u>	<u>6</u>	<u>1012</u>	<u>10</u>	<u>95</u>	<u>6</u>	<u>1008</u>
P 4 <u>15</u>	<u>101</u>	<u>9</u>	<u>1016</u>	<u>15</u>	<u>96</u>	<u>9</u>	<u>1012</u>
P 5 _____		<u>12</u>	<u>1017</u>	<u>20</u>	<u>97</u>	<u>12</u>	<u>1014</u>
P 6 _____		<u>15</u>	<u>1018</u>	<u>25</u>	<u>97</u>	<u>15</u>	<u>1015</u>
P 7 _____		<u>18</u>	<u>1019</u>	<u>30</u>	<u>98</u>	<u>18</u>	<u>1016</u>
P 8 _____		<u>21</u>	<u>1019</u>	<u>35</u>	<u>100</u>	<u>21</u>	<u>1017</u>
P 9 _____		<u>24</u>	<u>1019</u>	<u>40</u>	<u>100</u>	<u>24</u>	<u>1017</u>
P10 _____		<u>27</u>	<u>1020</u>	<u>45</u>	<u>100</u>	<u>27</u>	<u>1018</u>
P11 _____		<u>30</u>	<u>1020</u>			<u>30</u>	<u>1018</u>
P12 _____							
P13 _____							
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	1860	1864 PSI
(B) First Initial Flow Pressure	100	98 PSI
(C) First Final Flow Pressure	100	101 PSI
(D) Initial Closed-in Pressure	1010	1020 PSI
(E) Second Initial Flow Pressure	90	93 PSI
(F) Second Final Flow Pressure	90	100 PSI
(G) Final Closed-in Pressure	1010	1018 PSI
(H) Final Hydrostatic Mud	1830	1836 PSI



Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company J. A. Allison Lease & Well No. Herman "A" #1
Elevation 2032 Kelly Bushings Formation Kansas City Effective Pay _____ Ft. Ticker No. 15757
Date June 23, 1971 Sec. 22 Twp. 16S Range 18W County Rush State Kansas
Test Approved by George Waite Western Representative Dean Blagrove
Formation Test No. 5 O.K. ☒ Misrun _____ Interval Tested From 3318' to 3344' Total Depth 3344'
Size Main Hole 7 7/8" Hole _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No
Packer Depth 3313 Ft. Size 6 3/4" Packer Depth 3318 Ft. Size 6 3/4"
Straddle _____ Yes _____ No ☒ Conv. _____ B.T. _____ Damaged _____ Yes _____ No
Packer Depth _____ Ft. Size _____
Tool Size 5 1/2" O.D. Tool Jt. Size 4 1/2" F.H. Anchor Length 26 Ft. Size 5 1/2" O.D.
RECORDERS Depth 3335 Ft. Clock No. 6899 Depth 3338 Ft. Clock No. 9102
Top Make Kuster Cap. 4000 No. 3659 Inside Bottom Make Kuster Cap. 4000 No. 3660 Inside
Below Straddle: Depth _____ Clock No. _____ Inside Depth _____ Ft. Clock No. _____ Inside
Top Make _____ Cap. _____ No. _____ Inside Bottom Make _____ Cap. _____ No. _____ Inside
Time Set Packer 6:07 P. M.
Tool Open I.F.P. From 6:10 P.M. to 6:25 P.M. Hr. 15 Min. From (B) 24 P.S.I. To (C) 24 P.S.I.
Tool Closed I.C.I.P. From 6:25 P.M. to 6:55 P.M. Hr. 30 Min. (D) 39 P.S.I.
Tool Open F.F.P. From 6:55 P.M. to 7:10 P.M. Hr. 15 Min. From (E) 24 P.S.I. To (F) 26 P.S.I.
Tool Closed F.C.I.P. From 7:10 P.M. to 7:40 P.M. Hr. 30 Min. (G) 40 P.S.I.
Initial Hydrostatic Pressure (A) 1881 P.S.I. Final Hydrostatic Pressure (H) 1842 P.S.I.
SURFACE Size Choke 1/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____
BLOW Weak for 5 minutes, then died. Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 5 feet mud
Reversed Out _____ Yes ☒ No _____ Mud Type Starch Viscosity 45 Weight 10.4 Water Loss 14.4 cc. Maximum Temp. 106 °F
Type Circ. Sub. Pin 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 2310 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 1009 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars None ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 44 ft.
Remarks Flushed at 5 minute s on Final Flow

WESTERN TESTING CO., INC.

Pressure Data

Date June 23, 1971

Test Ticket No. 15757

Recorder No. 3659

Capacity 4000

Location 3335 Ft.

Clock No. 6899 Elevation 2032 Kelly Bushings

Well Temperature 106 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1881</u> P.S.I.	Open Tool	<u>6:10 P.M.</u>	
B First Initial Flow Pressure	<u>24</u> P.S.I.	First Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>24</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>39</u> P.S.I.	Second Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
E Second Initial Flow Pressure	<u>24</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>26</u> P.S.I.			
G Final Closed-in Pressure	<u>40</u> P.S.I.			
H Final Hydrostatic Mud	<u>1842</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>3</u> Inc.		Breakdown: <u>10</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>24</u>	<u>0</u>	<u>24</u>	<u>0</u>	<u>24</u>	<u>0</u>	<u>26</u>
P 2 <u>5</u>	<u>24</u>	<u>3</u>	<u>24</u>	<u>5</u>	<u>24</u>	<u>3</u>	<u>26</u>
P 3 <u>10</u>	<u>24</u>	<u>6</u>	<u>24</u>	<u>10</u>	<u>Flush tool</u>	<u>6</u>	<u>27</u>
P 4 <u>15</u>	<u>24</u>	<u>9</u>	<u>25</u>	<u>15</u>	<u>26</u>	<u>9</u>	<u>29</u>
P 5		<u>12</u>	<u>26</u>			<u>12</u>	<u>31</u>
P 6		<u>15</u>	<u>28</u>			<u>15</u>	<u>33</u>
P 7		<u>18</u>	<u>30</u>			<u>18</u>	<u>35</u>
P 8		<u>21</u>	<u>32</u>			<u>21</u>	<u>36</u>
P 9		<u>24</u>	<u>35</u>			<u>24</u>	<u>38</u>
P10		<u>27</u>	<u>37</u>			<u>27</u>	<u>39</u>
P11		<u>30</u>	<u>39</u>			<u>30</u>	<u>40</u>
P12							
P13							
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	1880	1881 PSI
(B) First Initial Flow Pressure	20	24 PSI
(C) First Final Flow Pressure	20	24 PSI
(D) Initial Closed-in Pressure	40	39 PSI
(E) Second Initial Flow Pressure	20	24 PSI
(F) Second Final Flow Pressure	20	26 PSI
(G) Final Closed-in Pressure	40	40 PSI
(H) Final Hydrostatic Mud	1860	1842 PSI



Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company J. A. Allison Lease & Well No. Herman "A" #1

Elevation 2032 Kelly Businge Formation Kansas City Effective Pay _____ Ft. Ticket No. 15758

Date June 24, 1971 Sec. 22 Twp. 16S Range 18W County Rush State Kansas

Test Approved by Geo. Waite Western Representative Dean Elgrave

Formation Test No. 6 O.K. ☒ Misrun _____ Interval Tested From 3359' to 3455' Total Depth 3455'

Size Main Hole 7 7/8" Hole _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No Conv. _____ B.T. _____ Damaged _____ Yes ☒ No

Packer Depth 3354 Ft. Size 6 3/4" Packer Depth 3359 Ft. Size 6 3/4"

Straddle _____ Yes _____ No ☒ Conv. _____ B.T. _____ Damaged _____ Yes _____ No

Packer Depth _____ Ft. Size _____

Tool Size 5 1/2" O.D. Tool Jt. Size 4 1/2" P.H. Anchor Length 96 Ft. Size 33' x 5 1/2" O.D.-Perf.

RECORDERS Depth 3379 Ft. Clock No. 6899 Depth 3382 Ft. Clock No. 9102

Top Make Kuster Cap. 4000 No. 3659 Inside _____ Outside _____ Bottom Make Kuster Cap. 4000 No. 3660 Inside _____ Outside _____

Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____

Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Time Set Packer 4:00 P. M

Tool Open I.F.P. From 4:02 P. M. to 4:17 P. M. Hr. 15 Min. From (B) 26 P.S.I. To (C) 77 P.S.I.

Tool Closed I.C.I.P. From 4:17 P. M. to 4:47 P. M. Hr. 30 Min. (D) 1056 P.S.I.

Tool Open F.F.P. From 4:47 P. M. to 5:32 P. M. Hr. 45 Min. From (E) 97 P.S.I. To (F) 224 P.S.I.

Tool Closed F.C.I.P. From 4:32 P. M. to 6:02 P. M. Hr. 30 Min. (G) 976 P.S.I.

Initial Hydrostatic Pressure (A) 1872 P.S.I. Final Hydrostatic Pressure (H) 1856 P.S.I.

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

INFORMATION _____ M. _____

_____ M. _____

_____ M. _____

BLOW Weak increasing to fair. Bottom Choke Size 3/4 In.

Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 375 feet muddy water with few oil specks.

Reversed Out _____ Yes ☒ No _____ Mud Type Starch Viscosity 44 Weight 10.5 Water Loss 14 cc. Maximum Temp. 108 °F

Type Circ. Sub. Pin 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 2340 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 1009 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars None ft.

I. D. Drill Collars _____ in. Length D.S.T. Tool 114 ft.

Remarks _____



Home Office: Great Bend, Kansas
P. O. Box 753 (316) 793-7503

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WESTERN TESTING CO., INC.

Pressure Data

Date **June 24, 1971**

Test Ticket No. **15758**

Recorder No. **3759**

Capacity **4000**

Location **3379** Ft.

Clock No. **6899**

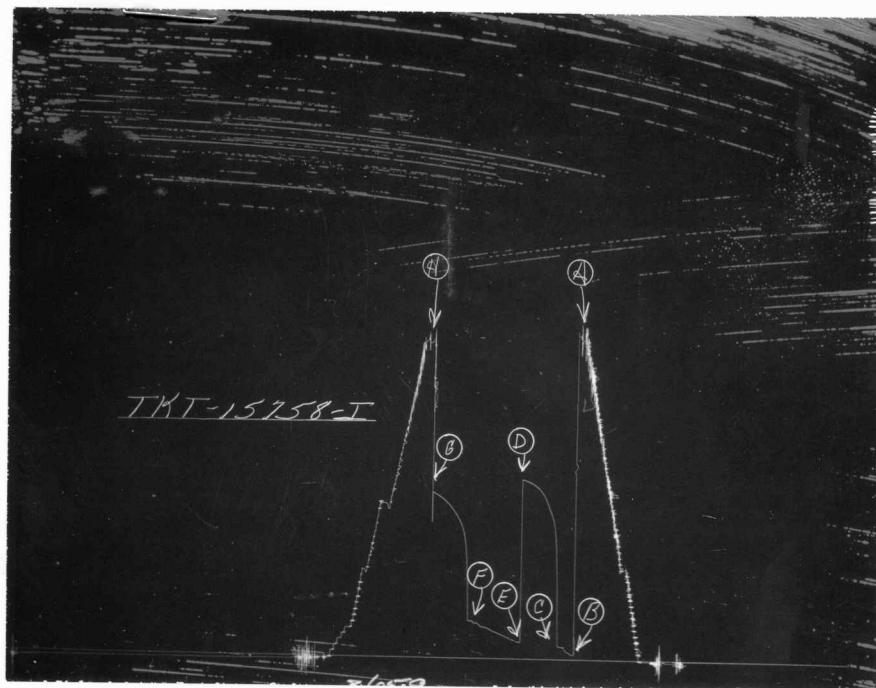
Elevation **2032 Kelly Bushings**

Well Temperature **108** °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1872 P.S.I.	Open Tool	4:02 P. M.	
B First Initial Flow Pressure	26 P.S.I.	First Flow Pressure	15 Mins.	17 Mins.
C First Final Flow Pressure	77 P.S.I.	Initial Closed-in Pressure	30 Mins.	31 Mins.
D Initial Closed-in Pressure	1056 P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E Second Initial Flow Pressure	97 P.S.I.	Final Closed-in Pressure	30 Mins.	31 Mins.
F Second Final Flow Pressure	224 P.S.I.			
G Final Closed-in Pressure	976 P.S.I.			
H Final Hydrostatic Mud	1856 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 3 Inc.		Breakdown: 10 Inc.		Breakdown: 9 Inc.		Breakdown: 10 Inc.	
of 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
final inc. of 2 Min.		final inc. of 1 Min.		final inc. of 0 Min.		final inc. of 1 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	26	0	77	0	97	0	224
P 2 5	30	3	756	5	108	3	709
P 3 10	42	6	853	10	123	6	781
P 4 15	69	9	912	15	137	9	824
P 5 17	77	12	956	20	153	12	861
P 6		15	990	25	167	15	888
P 7		18	1009	30	185	18	912
P 8		21	1023	35	202	21	931
P 9		24	1037	40	210	24	946
P10		27	1045	45	224	27	958
P11		30	1053			30	972
P12		31	1056			31	976
P13							
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	1890	1872	PSI
(B) First Initial Flow Pressure	20	26	PSI
(C) First Final Flow Pressure	80	77	PSI
(D) Initial Closed-in Pressure	1040	1056	PSI
(E) Second Initial Flow Pressure	90	97	PSI
(F) Second Final Flow Pressure	220	224	PSI
(G) Final Closed-in Pressure	960	976	PSI
(H) Final Hydrostatic Mud	1870	1856	PSI