



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

Company **Rains & Williamson Oil Company** Lease & Well No. **Messinger #1**
Elevation **1398 Kelly Bushings** Formation **Mississippi** Ticket Number **6135**
Date **Jan. 18, 1966** Sec. **8** Twp. **30s** Range **6w** County **Kingman** State **Kansas**
Test Approved by **Don Shawver** Western Representative **Norman Allen**

Formation Test No. **1** O.K. ☒ Misrun _____ Interval Tested From **4079'** to **4091'** Total Depth **4091'**
Size Main Hole **7 7/8** Rat Hole _____ Conv. _____ B.T. ☒ Damaged _____ Yes **no** No Conv. ☒ B.T. _____ Damaged _____ Yes **no** No
Packer Depth **4074** Ft. Size **6 3/4** Packer Depth **4079** Ft. Size **6 3/4**
Straddle _____ Yes _____ No ☒ Conv. _____ B.T. _____ Damaged _____ Yes _____ No

Packer Depth _____ Ft. Size _____
Tool Size **5 1/2 OD** Tool Jt. Size **4 1/2 FH** Anchor Length **12** Ft. Size **5 1/2 OD**
RECORDERS Depth **4085** Ft. Clock No. **4964** Depth **4088** Ft. Clock No. **149**
Top Make **Kuster** Cap. **3150** No. **1562** Inside _____ Bottom Make **Western** Cap. **3000** No. **29** Inside _____
Below Straddle: Depth _____ Clock No. _____ Outside _____ Depth _____ Ft. Clock No. _____ Outside _____
Top Make _____ Cap. _____ No. _____ Outside _____ Bottom Make _____ Cap. _____ No. _____ Outside _____

Time Set Packer **6:13 P** M
Tool Open I.F.P. From **6:15** M to **6:30** M Hr. **15** Min. From (B) _____ P.S.I. To (C) **50** P.S.I.
Tool Closed I.C.I.P. From **6:30** M. to **7:00** M. Hr. **30** Min. (D) _____ P.S.I. **1492** P.S.I.
Tool Open F.F.P. From **7:00** M. to **9:00** M. **2** Hr. Min. From (E) **43** P.S.I. To (F) **104** P.S.I.
Tool Closed F.C.I.P. From **9:00** to **10:00** M. **1** Hr. Min. (G) _____ P.S.I. **1283** P.S.I.
Initial Hydrostatic Pressure (A) **2201** P.S.I. Final Hydrostatic Pressure (H) **2184** P.S.I.

SURFACE Size Choke **3/4** In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION **Spring gauge line 1" 11 inches 6:30 P.M. Gas - 115,000 C.F.P.D.**
Spring gauge 1" line 12 inches 7:15 P.M. Gas - 120,000 C.F.P.D.
Spring gauge 1" line 6 inches 9:00 P.M. Gas - 85,000 C.F.P.D.

BLOW **Strong blow, diminishing slightly at end of test. Gas to surface six min.** Bottom Choke Size **3/4** In.
Did Well Flow **Gas Yes** No Recovery Total Ft. **30'** very slightly oil and gas cut mud; **120'** heavy oil and gas cut mud; **60'** salt water. Mud

Reversed Out _____ Yes _____ No Mud Type **starch** Viscosity **44** Weight **10.1** Maximum Temp. **130** °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 **3339** ft. I.D. Drill Pipe **3.8** in Length Weight Pipe **720** ft. I.D. Weight Pipe **2.7** in. Length Drill Collars _____ ft.

I. D. Drill Collars _____ in. Length D.S.T. Tool **32**

Remarks **Gas to surface six minutes. Measure: (115,000 at 15 min. 6:30 P.M.) (120,000 at 7:05 and 7:15) (110,000 at 7:25 & 7:35) (104,000 at 7:45) (99,000 at 8:00 & 8:15) (92,000 at 8:30) (85,000 at 8:45 & 9:00 P.M.) F.C.I.P. at 9:00 P.M.**

WESTERN TESTING CO., INC.

Pressure Data

Date **January 18, 1966** Test Ticket No. **6135**

Recorder No. **1562** Capacity **3150** Location **4085** Ft.

Clock No. **4964** Elevation **1398 Kelly Bushings** Well Temperature **130** °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	2201 P.S.I.	6:13P M	
B First Initial Flow Pressure	48 P.S.I.	15 Mins.	15 Mins.
C First Final Flow Pressure	50 P.S.I.	30 Mins.	31 Mins.
D Initial Closed-in Pressure	1492 P.S.I.	120 Mins.	115 Mins.
E Second Initial Flow Pressure	43 P.S.I.	60 Mins.	60 Mins.
F Second Final Flow Pressure	104 P.S.I.		
G Final Closed-in Pressure	1283 P.S.I.		
H Final Hydrostatic Mud	2184 P.S.I.		

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 3 Inc.		Breakdown: 10 Inc.		Breakdown: 23 Inc.		Breakdown: 20 Inc.	
of 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
final inc. of 0 Min.		final inc. of 1 Min.		final inc. of 0 Min.		final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	48	0	50	0	43	0	104
P 2 5	48	3	356	5	45	3	397
P 3 10	49	6	677	10	47	6	684
P 4 15	50	9	1089	15	50	9	951
P 5		12	1307	20	52	12	1026
P 6		15	1373	25	55	15	1076
P 7		18	1422	30	58	18	1114
P 8		21	1449	35	61	21	1139
P 9		24	1465	40	64	24	1161
P 10		27	1477	45	67	27	1177
P 11		30	1488	50	70	30	1193
P 12		31	1492	55	73	33	1207
P 13				60	75	36	1220
P 14				65	78	39	1231
P 15				70	82	42	1240
P 16				75	86	45	1250
P 17				80	88	48	1258
P 18				85	90	51	1266
P 19				90	92	54	1272
P 20				95	95	55	1277
				100	98	60	1283
				105	100		
				110	102		
				115	104		



P. O. Box 793
GREAT BEND, KANSAS

Tckt:6135

Jan. 18, 1966

Company **Rains & Williamson Oil Co.**

Lease & Well No. **Nessinger #1**

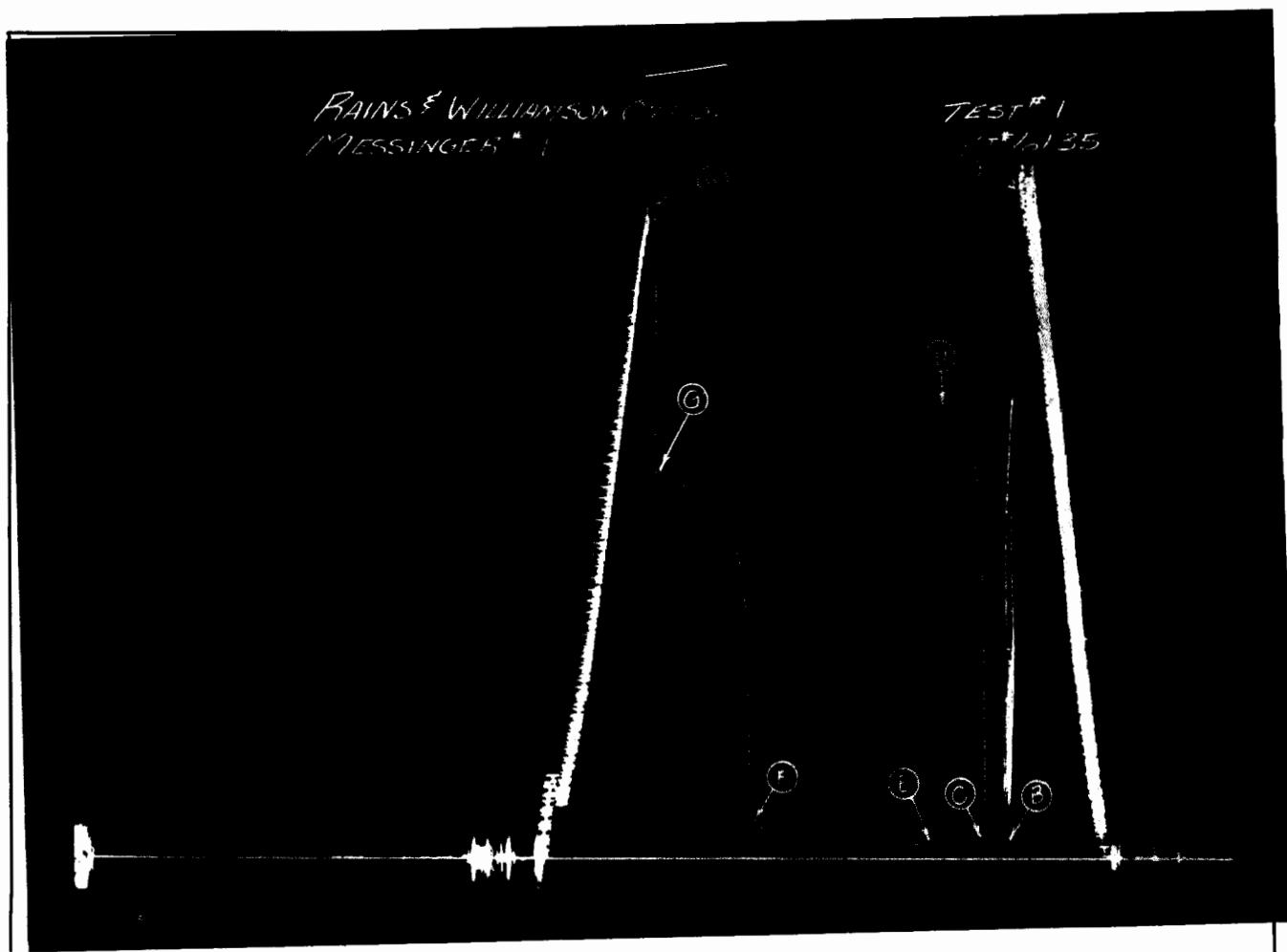
Test No. **1** Interval Tested From **4079'** To **4091'**

Time	Max Press. P.S.I.	Description of Flow
6:15P.M. On bottom, Tool open.		
6:21 --	Gas to surface	Gas
6:30	11 inches water	Gas 115,000 C.F.P.D.
6:30 to 7:00	1 CIP	
7:05	12 inches water	Gas 120,000 C.F.P.D.
7:15	12 inches water	Gas 120,000 C.F.P.D.
7:25	10 inches water	Gas 110,000 C.F.P.D.
7:35	10 inches water	Gas 110,000 C.F.P.D.
7:45	9 inches water	Gas 104,000 C.F.P.D.
8:00	8 inches water	Gas 92,000 C.F.P.D.
8:15	8 inches water	Gas 99,000 C.F.P.D.
8:30	7 inches water	Gas 92,000 C.F.P.D.
8:45	6 inches water	Gas 85,000 C.F.P.D.
9:00 P.M.	6 inches water	Gas 85,000 C.F.P.D.
9:00 to 10:00	F.C.I.P.	

Size Choke Surface **3/4** In. Bottom **3/4** In.

Remarks **Fluid received - 30' very slightly oil and gas cut mud**
120' heavy oil and gas cut mud
60' salt water

Note: Measurements taken with spring gauge thru 1 inch line.



This is an actual photograph of recorder chart.

POINT	PRESSURE
(A) Initial Hydrostatic Mud	2201 PSI
(B) First Initial Flow Pressure	48 PSI
(C) First Final Flow Pressure	50 PSI
(D) Initial Closed-in Pressure	1492 PSI
(E) Second Initial Flow Pressure	43 PSI
(F) Second Final Flow Pressure	104 PSI
(G) Final Closed-in Pressure	1283 PSI
(H) Final Hydrostatic Mud	2184 PSI

COMPANY

RAINS & WILLIAMSON

OIL

LEASE AND WELL NO.

MESSINGER #1

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OW

TEST NO.

DATE

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

Company Rains & Williamson Oil Company Lease & Well No. Messinger #1
Elevation 1396 Derrick Floor Formation Viola Ticker Number 5325
Date Jan. 21, 1966 Sec. 8 Twp. 30s Range 6w County Kingman State Kansas
Test Approved by Don Shawver Western Representative George Tew

Formation Test No. 2 O.K. ☒ Misrun ☐ Interval Tested From 4470' to 4479' Total Depth 4479'
Size Main Hole 7 7/8 Bit Hole none Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No
Packer Depth 4470 Ft. Size 6 3/4 Packer Depth 4465 Ft. Size 6 3/4
Straddle ☒ Yes ☐ No Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No
Packer Depth Ft. Size

Tool Size 5 1/2 OD Tool Jt. Size 4 1/2 FH Anchor Length 9 Ft. Size 5 1/2 OD
RECORDERS Depth 4473 Ft. Clock No. 6861 Depth 4476 Ft. Clock No. 139
Top Make Kuster Cap. 4200 No. 1559 Inside Bottom Make Western Cap. 4000 No. 60 Inside
Below Straddle: Depth Clock No. Inside Depth Ft. Clock No. Inside
Top Make Cap. No. Outside Bottom Make Cap. No. Outside

Time Set Packer M
Tool Open I.F.P. From 12:35P M to 12:45 M Hr. 10 Min. From (B) 50 P.S.I. To (C) 83 P.S.I.
Tool Closed I.C.I.P. From 12:45 M. to 1:15 M. Hr. 30 Min. (D) 1639 P.S.I.
Tool Open F.F.P. From 1:15 M. to 2:15 M. 1 Hr. Min. From (E) 121 P.S.I. To (F) 334 P.S.I.
Tool Closed F.C.I.P. From 2:15 M. to 2:45 M. Hr. 30 Min. (G) 1639 P.S.I.
Initial Hydrostatic Pressure (A) 2407 P.S.I. Final Hydrostatic Pressure (H) 2386 P.S.I.

SURFACE	Size Choke	In.	Max. Press. P.S.I.	Time	Description of Flow
INFORMATION	<u>1/2</u>	<u> </u>	<u> </u>	<u>M.</u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>	<u>M.</u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>	<u>M.</u>	<u> </u>

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

Did Well Flow ☒ Yes ☐ No Recovery Total Ft. 690' total: 30' oil and gas cut mud; 120' slightly oil and gas cut mud; 420' muddy water with scum of oil; 120' salt water. Mud

Reversed Out ☒ Yes ☐ No Mud Type starch Viscosity 51 Weight 10.1 Maximum Temp. 143 °F

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

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

Length Drill Pipe 3718 ft. I.D. Drill Pipe 3.8 in Length Weight Pipe 732 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

WESTERN TESTING CO., INC.

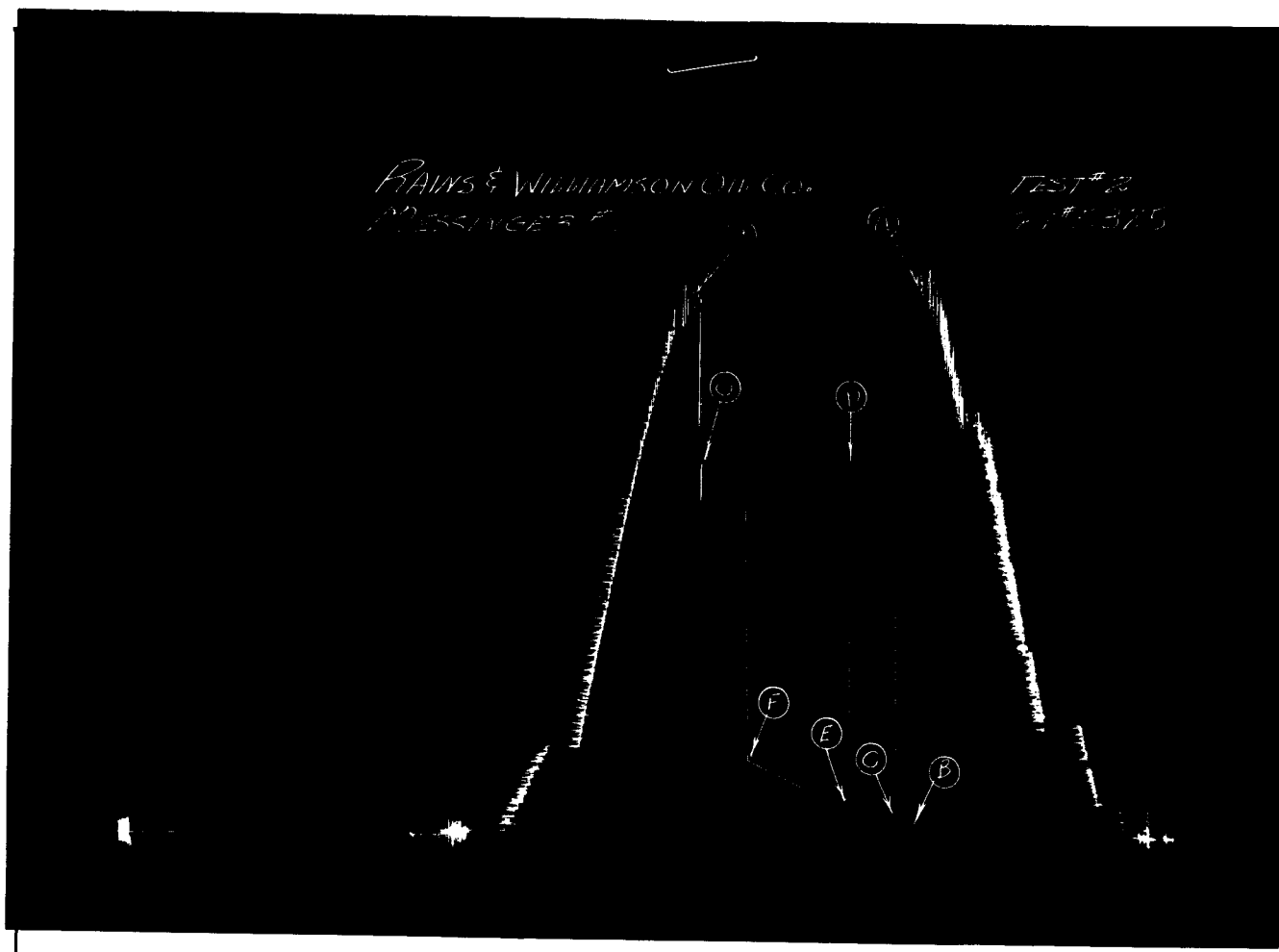
Pressure Data

Date January 21, 1966 Test Ticket No. 5325
 Recorder No. 1559 Capacity 4200 Location 4473 Ft.
 Clock No. 6261 Elevation 1390 Derrick Floor Well Temperature 143 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2407</u> P.S.I.	Opened Tool	<u>12:32P</u> M	
B First Initial Flow Pressure	<u>50</u> P.S.I.	First Flow Pressure	<u>10</u> Mins.	<u>10</u> Mins.
C First Final Flow Pressure	<u>83</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1639</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>63</u> Mins.
E Second Initial Flow Pressure	<u>121</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>29</u> Mins.
F Second Final Flow Pressure	<u>334</u> P.S.I.			
G Final Closed-in Pressure	<u>1639</u> P.S.I.			
H Final Hydrostatic Mud	<u>2390</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>2</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>9</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>3</u> Min.		final inc. of <u>2</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>50</u>	<u>0</u>	<u>83</u>	<u>0</u>	<u>121</u>	<u>0</u>	<u>334</u>
P 2 <u>5</u>	<u>66</u>	<u>3</u>	<u>672</u>	<u>5</u>	<u>125</u>	<u>3</u>	<u>1623</u>
P 3 <u>10</u>	<u>83</u>	<u>6</u>	<u>1637</u>	<u>10</u>	<u>145</u>	<u>6</u>	<u>1639</u>
P 4		<u>9</u>	<u>1639</u>	<u>15</u>	<u>165</u>	<u>9</u>	<u>1639</u>
P 5		<u>12</u>	<u>1639</u>	<u>20</u>	<u>185</u>	<u>12</u>	<u>1639</u>
P 6		<u>15</u>	<u>1639</u>	<u>25</u>	<u>266</u>	<u>15</u>	<u>1639</u>
P 7		<u>18</u>	<u>1639</u>	<u>30</u>	<u>223</u>	<u>18</u>	<u>1639</u>
P 8		<u>21</u>	<u>1639</u>	<u>35</u>	<u>240</u>	<u>21</u>	<u>1639</u>
P 9		<u>24</u>	<u>1639</u>	<u>40</u>	<u>257</u>	<u>24</u>	<u>1639</u>
P10		<u>27</u>	<u>1639</u>	<u>45</u>	<u>275</u>	<u>27</u>	<u>1639</u>
P11		<u>30</u>	<u>1639</u>	<u>50</u>	<u>292</u>	<u>29</u>	<u>1639</u>
P12				<u>55</u>	<u>309</u>		
P13				<u>60</u>	<u>326</u>		
P14				<u>63</u>	<u>334</u>		
P15							
P16							
P17							
P18							
P19							
P20							



This is an actual photograph of recorder chart.

POINT	PRESSURE
(A) Initial Hydrostatic Mud	2407 PSI
(B) First Initial Flow Pressure	50 PSI
(C) First Final Flow Pressure	83 PSI
(D) Initial Closed-in Pressure	1639 PSI
(E) Second Initial Flow Pressure	121 PSI
(F) Second Final Flow Pressure	334 PSI
(G) Final Closed-in Pressure	1639 PSI
(H) Final Hydrostatic Mud	2386 PSI

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