



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

B5 Operating  
PO Box 45  
Wellington, KS 67152  
ATTN: Mitch Bartleson

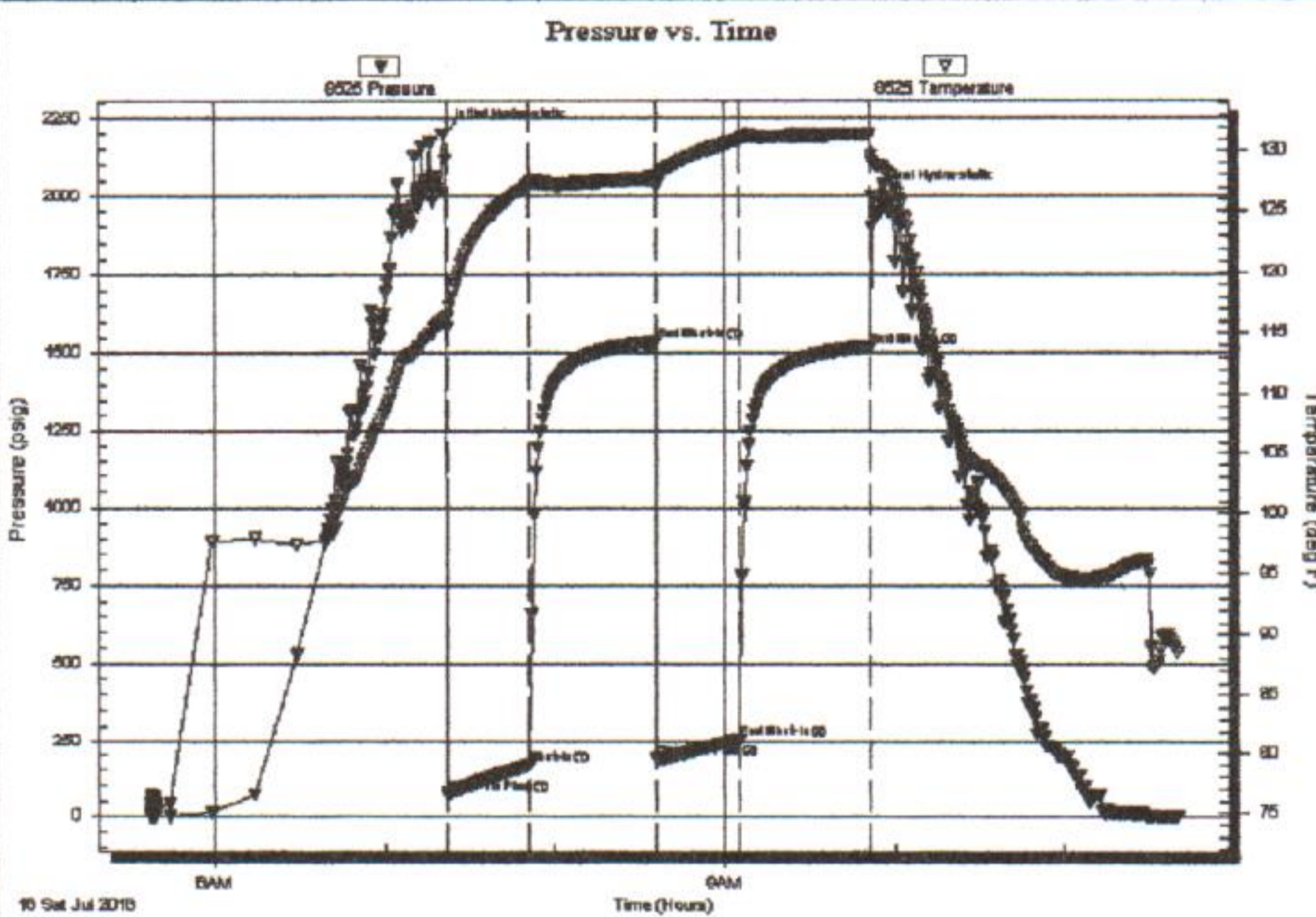
**10-33S-3W Sumner**  
**Simon Bros Unit 2**  
Job Ticket: 58000      DST#: 1  
Test Start: 2016.07.16 @ 05:36:49

### GENERAL INFORMATION:

Formation: **Mississippi**  
Deviated: No Whipstock:      ft (KB)  
Test Type: Conventional Bottom Hole (Initial)  
Time Tool Opened: 07:22:04  
Tester: Leal Cason  
Time Test Ended: 11:39:49  
Unit No: 74  
Interval: **4036.00 ft (KB) To 4054.00 ft (KB) (TVD)**  
Reference Elevations: 1180.00 ft (KB)  
Total Depth: **4054.00 ft (KB) (TVD)**  
1175.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Good  
KB to GR/CF: 5.00 ft

**Serial #: 8525**      Inside  
Press@RunDepth: 167.40 psig @ 4037.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2016.07.16      End Date: 2016.07.16      Last Calib.: 2016.07.16  
Start Time: 05:36:49      End Time: 11:39:49      Time On Btm: 2016.07.16 @ 07:20:19  
Time Off Btm: 2016.07.16 @ 09:52:04

TEST COMMENT: IF: Fair Blow, BOB in 15 minutes  
IS: No Blow Back  
FF: Weak Blow, BOB in 18 minutes  
FS: No Blow Back



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2198.21	116.00	Initial Hydro-static
2	70.03	116.29	Open To Flow (1)
31	167.40	127.21	Shut-In(1)
76	1534.87	127.78	End Shut-In(1)
76	192.61	127.17	Open To Flow (2)
105	258.61	130.94	End Shut-In(2)
151	1520.26	131.40	End Shut-In(3)
152	1998.99	129.20	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
310.00	water	3.26
155.00	WCM 48%W 52%M	2.17

### Gas Rates

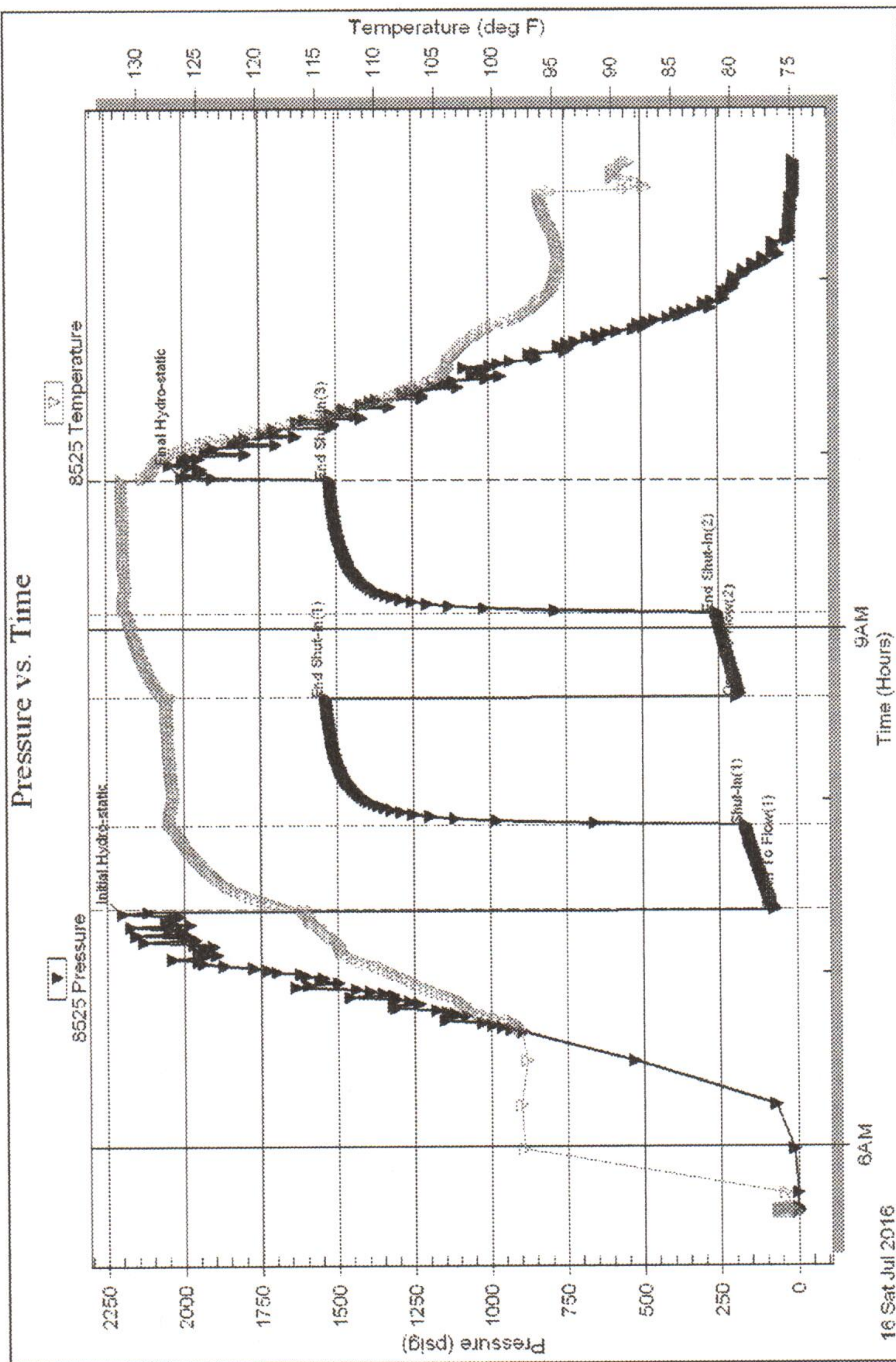
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DST Test Number: 1

Simon Bros Unit 2

Serial #: 8525 Inside B5 Operating

### Pressure vs. Time



16 Sat Jul 2016

6AM

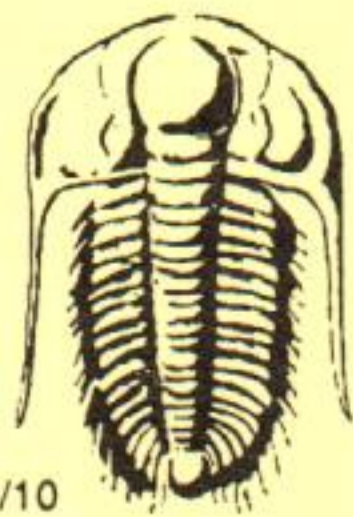
9AM

Time (Hours)

Tribble Testing, Inc

Ref. No: 58000

Printed: 2016.07.16 @ 11:46:41



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 58000

Well Name & No. Simon Bios unit 2 Test No. 1 Date 07/16/16  
 Company B5 Operating Elevation 1180 KB 1175 GL  
 Address PO BOX 45 Wellington KS 67152  
 Co. Rep / Geo. Mitch Bartleson Rig WW 4  
 Location: Sec. 10 Twp. 33S Rge. 3W Co. Sumner State KS

Interval Tested 4036 - 4054 Zone Tested Mississippi  
 Anchor Length 18 Drill Pipe Run 3904 Mud Wt. 9.5  
 Top Packer Depth 4031 Drill Collars Run 120 Vis 43  
 Bottom Packer Depth 4036 Wt. Pipe Run 0 WL 12.0  
 Total Depth 4054 Chlorides 6000 ppm System LCM 1

Blow Description IF: Fair Blow, BOB in 15 minutes  
ISI: NO Blow Back  
FF: Weak Blow, BOB in 18 minutes  
FSI: NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>155</u>	<u>WCM</u>			<u>48%</u>	<u>52%</u>
<u>310</u>	<u>water</u>				

Rec Total 485 BHT 131 Gravity N/C API RW .07 @ 82 ° F Chlorides 96000 ppm

(A) Initial Hydrostatic <u>2198</u>	<input checked="" type="checkbox"/> Test	T-On Location <u>03:45</u>
(B) First Initial Flow <u>70</u>	<input checked="" type="checkbox"/> Jars	T-Started <u>05:36</u>
(C) First Final Flow <u>167</u>	<input checked="" type="checkbox"/> Safety Joint	T-Open <u>07:22</u>
(D) Initial Shut-In <u>1535</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>09:51</u>
(E) Second Initial Flow <u>193</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>11:39</u>
(F) Second Final Flow <u>259</u>	<input checked="" type="checkbox"/> Mileage <u>(202)</u>	Comments _____
(G) Final Shut-In <u>1520</u>	<input type="checkbox"/> Sampler	_____
(H) Final Hydrostatic <u>1999</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total _____
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby	Total _____
	<input type="checkbox"/> Accessibility	MP/DST Disc't _____
	Sub Total _____	

Approved By [Signature] Our Representative [Signature]

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