



DRILL STEM TEST REPORT

Prepared For: **McCoy Petro. Corp.**

8080 E. Central Ste. 300
Wichita, KS 67206-2366

ATTN: Dave Williams

UMCC "A" #1-17

17-30s-30w Meade,KS

Start Date: 2014.03.02 @ 15:39:46

End Date: 2014.03.03 @ 04:04:01

Job Ticket #: 52478 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

McCoy Petro. Corp.

17-30s-30w Meade, KS

8080 E. Central Ste. 300
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Test Start: 2014.03.02 @ 15:39:46

GENERAL INFORMATION:

Formation: **Chester**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:06:31

Time Test Ended: 04:04:01

Test Type: Conventional Bottom Hole (Initial)

Tester: Ryan Reynolds

Unit No: 68

Interval: 5264.00 ft (KB) To 5336.00 ft (KB) (TVD)

Reference Elevations: 2827.00 ft (KB)

Total Depth: 5336.00 ft (KB) (TVD)

2816.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8790

Inside

Press@RunDepth: 375.71 psig @ 5270.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.02

End Date:

2014.03.03

Last Calib.:

2014.03.03

Start Time: 15:39:51

End Time:

04:04:01

Time On Btm:

2014.03.02 @ 19:04:16

Time Off Btm:

2014.03.02 @ 23:44:46

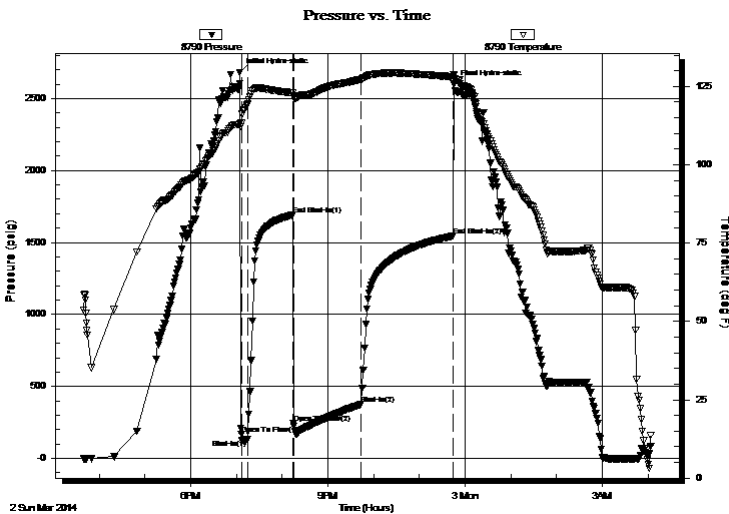
TEST COMMENT: IF: Strong blow . BOB @ 1min.

IS: No blow

FF: Strong blow . BOB immed. GTS @ 27 min.

FS: Strong BOB BB

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2681.79	113.08	Initial Hydro-static
3	165.67	113.29	Open To Flow (1)
10	132.19	118.98	Shut-In(1)
70	1691.04	122.87	End Shut-In(1)
71	244.03	121.89	Open To Flow (2)
160	375.71	127.20	Shut-In(2)
280	1544.36	128.07	End Shut-In(2)
281	2600.51	128.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
250.00	MCGO 20%gas, 36%mud, 44%oil	1.27
810.00	Clean G O 5%gas, 95%oil	11.36

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	21.00	13.25
Last Gas Rate	0.13	23.00	14.00
Max. Gas Rate	0.13	25.00	14.75



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TOOL DIAGRAM

McCoy Petro. Corp.

17-30s-30w Meade,KS

8080 E. Central Ste. 300
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Job Ticket: 52478

DST#: 1

ATTN: Dave Williams

Test Start: 2014.03.02 @ 15:39:46

Tool Information

Drill Pipe:	Length: 5003.00 ft	Diameter: 3.80 inches	Volume: 70.18 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 21000.00 lb
Drill Collar:	Length: 246.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose: 114000.0 lb
			<u>Total Volume: 71.39 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 86000.00 lb
Depth to Top Packer:	5264.00 ft			Final 90000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	72.00 ft			
Tool Length:	99.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5238.00	
Shut In Tool	5.00			5243.00	
Hydraulic tool	5.00			5248.00	
Jars	5.00			5253.00	
Safety Joint	2.00			5255.00	
Packer	5.00			5260.00	27.00 Bottom Of Top Packer
Packer	4.00			5264.00	
Stubb	1.00			5265.00	
Perforations	4.00			5269.00	
Change Over Sub	1.00			5270.00	
Recorder	0.00	8790	Inside	5270.00	
Recorder	0.00	8792	Outside	5270.00	
Drill Pipe	32.00			5302.00	
Change Over Sub	1.00			5303.00	
Perforations	30.00			5333.00	
Bullnose	3.00			5336.00	72.00 Bottom Packers & Anchor
Total Tool Length:	99.00				



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FLUID SUMMARY

McCoy Petro. Corp.

17-30s-30w Meade, KS

8080 E. Central Ste. 300
Wichita, KS 67206-2366

UMCC "A" #1-17

Job Ticket: 52478

DST#: 1

ATTN: Dave Williams

Test Start: 2014.03.02 @ 15:39:46

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

2500 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
250.00	MCGO 20%gas, 36%mud, 44%oil	1.266
810.00	Clean G O 5%gas, 95%oil	11.362

Total Length: 1060.00 ft

Total Volume: 12.628 bbl

Num Fluid Samples: 1

Num Gas Bombs: 1

Serial #: RR-1

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



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GAS RATES

McCoy Petro. Corp.

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8080 E. Central Ste. 300
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DST#: 1

ATTN: Dave Williams

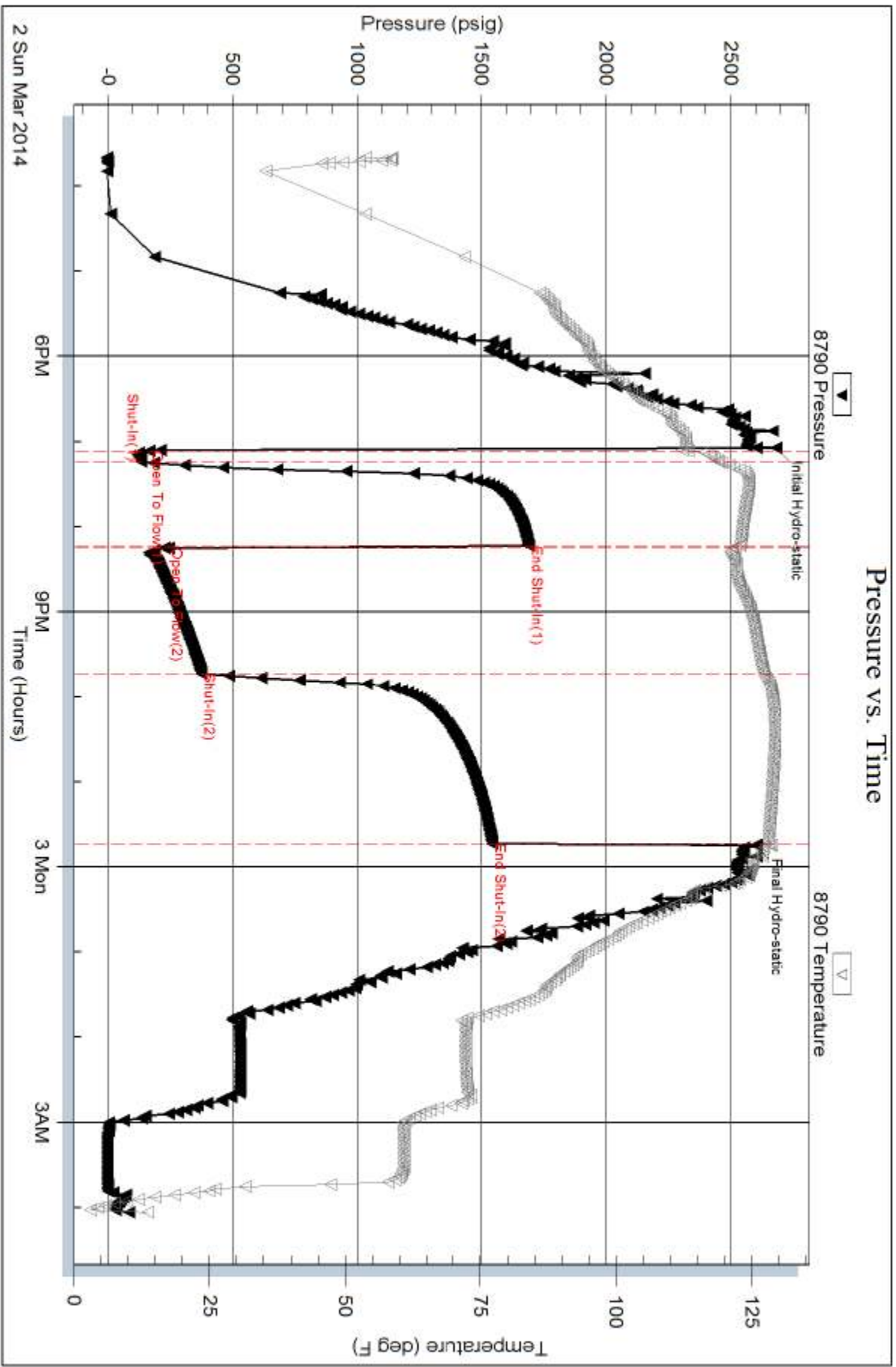
Test Start: 2014.03.02 @ 15:39:46

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	30	0.13	21.00	13.25
2	40	0.13	23.00	14.00
2	50	0.13	24.00	14.37
2	60	0.13	24.00	14.37
2	70	0.13	25.00	14.75
2	80	0.13	25.00	14.75
2	90	0.13	23.00	14.00

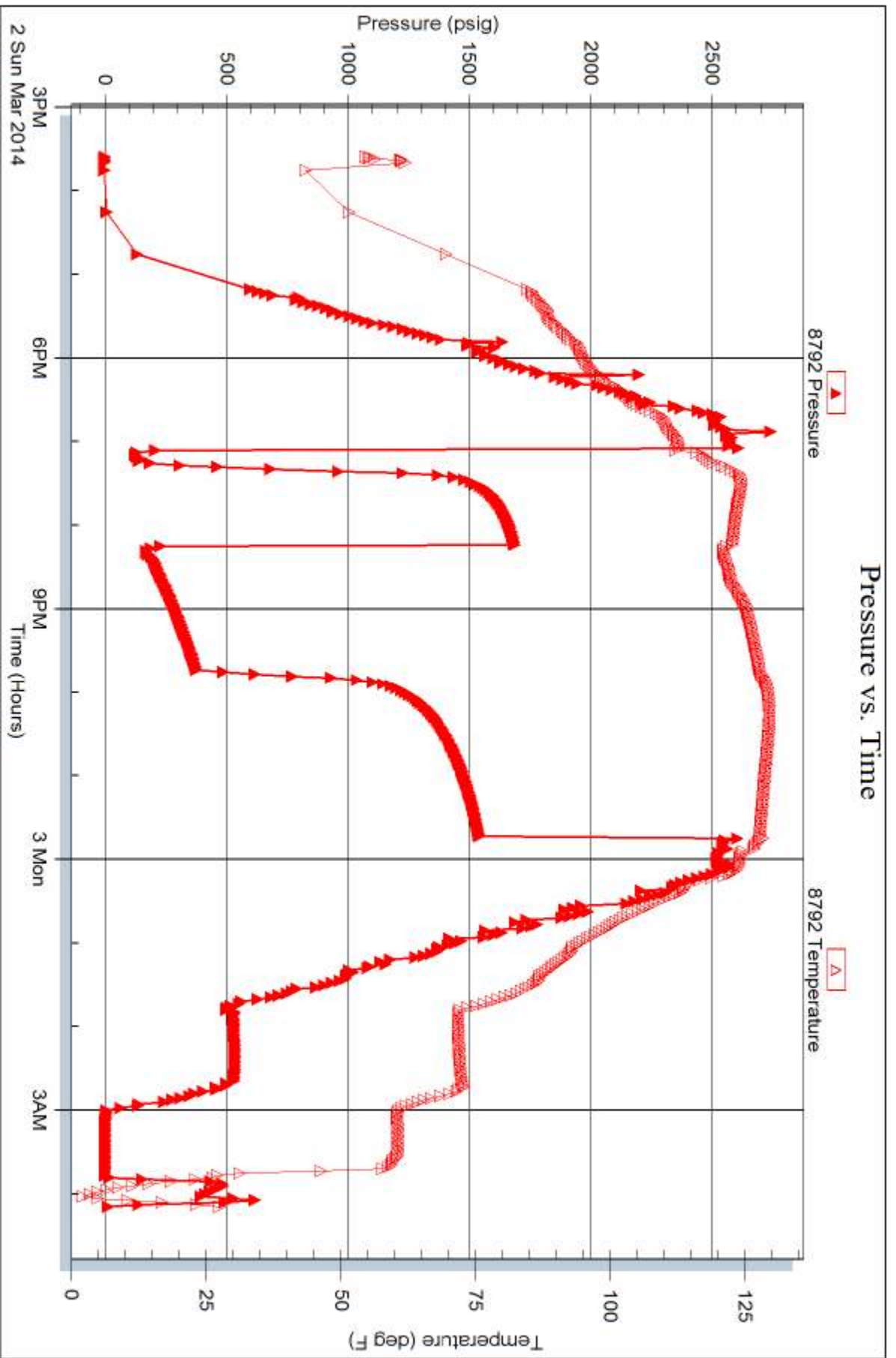


Serial #: 8792

Outside McCoy Petro. Corp.

UMCC "A" #1-17

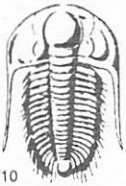
DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 52478

Printed: 2014.03.05 @ 10:01:45



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52478

Well Name & No. UMCC "A" 1-17 Test No. 1 Date 3-2-14
 Company McCoy Petro. Corp. Elevation 2827 KB 2816 GL
 Address 8080 E. Central Ste. 300 Wichita, KS 67206-2366
 Co. Rep / Geo. Dave Williams Rig Sterling #2
 Location: Sec. 17 Twp. 30s. Rge. 30 w. Co. Meade State KS

Interval Tested 5264-5336 Zone Tested Chester
 Anchor Length 72 Drill Pipe Run 5003 Mud Wt. 9.1+
 Top Packer Depth 5259 Drill Collars Run 246 Vis 57
 Bottom Packer Depth 5264 Wt. Pipe Run Ø WL 7.2
 Total Depth 5336 Chlorides 2500 ppm System LCM 4#
 Blow Description IF: Strong blow, BoB @ 1 min. ISI: No blow.
FF: Strong blow, BoBimmed, GTS @ 27 min.
FSI: Strong BB, BoB 10 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>810</u>	<u>Clean gassy oil</u>	<u>5</u>	<u>95</u>		
<u>250</u>	<u>MCGO</u>	<u>20</u>	<u>44</u>	<u>36</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 1060 BHT 128 Gravity 35 API RW M/C @ W/C °F Chlorides 2500 ppm

(A) Initial Hydrostatic <u>2682</u>	<input checked="" type="checkbox"/> Test <u>1350</u>	T-On Location <u>1415</u>
(B) First Initial Flow <u>166</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1546</u>
(C) First Final Flow <u>132</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1907</u>
(D) Initial Shut-In <u>1691</u>	<input checked="" type="checkbox"/> Circ Sub	T-Pulled <u>2341</u>
(E) Second Initial Flow <u>244</u>	<input checked="" type="checkbox"/> Hourly Standby <u>2 3/4</u> 1.25h 125	T-Out <u>0404</u>
(F) Second Final Flow <u>376</u>	<input checked="" type="checkbox"/> Mileage <u>240</u> 180rt 558	Comments
(G) Final Shut-In <u>1544</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2601</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>5</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>90</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>800</u>
Final Shut-In <u>120</u>	<input checked="" type="checkbox"/> Day Standby <u>1 day Pick up tools 3/4 @ 2pm</u>	Total <u>3158</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>2358</u>	

Approved By Daniel P. Williams Our Representative Ryan Reynolds
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