



DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corporation**

8080 E Central Ste 300
Wichita, KS 67206

ATTN: Dave Williams

MTPRC B 31-22

22-30s-19w Kiowa,KS

Start Date: 2013.12.10 @ 11:03:05

End Date: 2013.12.10 @ 20:52:20

Job Ticket #: 51908 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

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TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

McCoy Petroleum Corporation

22-30s-19w Kiowa,KS

8080 E Central Ste 300
Wichita, KS 67206

MTPRC B 31-22

Job Ticket: 51908

DST#: 1

ATTN: Dave Williams

Test Start: 2013.12.10 @ 11:03:05

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:29:35

Time Test Ended: 20:52:20

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 74

Interval: 5055.00 ft (KB) To 5105.00 ft (KB) (TVD)

Reference Elevations: 2229.00 ft (KB)

Total Depth: 5105.00 ft (KB) (TVD)

2218.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 6798

Inside

Press@RunDepth: 209.24 psig @ 5056.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.12.10

End Date:

2013.12.10

Last Calib.:

2013.12.10

Start Time: 11:03:06

End Time:

20:52:20

Time On Btm:

2013.12.10 @ 13:12:35

Time Off Btm:

2013.12.10 @ 17:40:35

TEST COMMENT:

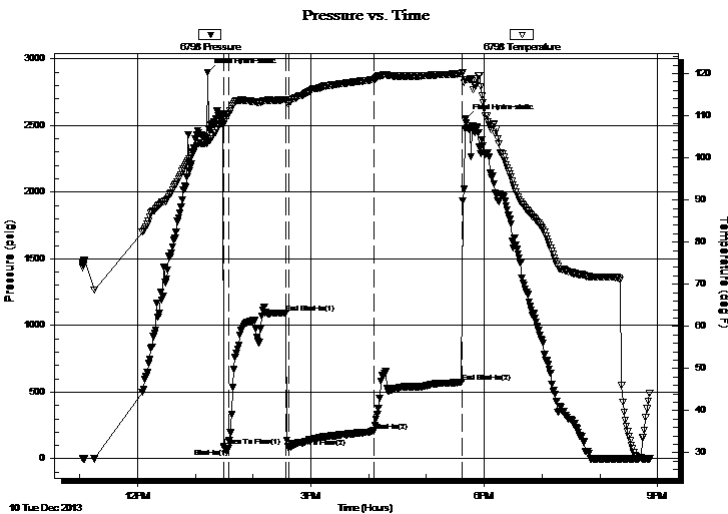
IF: Strong Blow , BOB in 1 minute

IS: Blow Back Built to BOB in 22 minutes

FF: Strong Blow , BOB in 10 seconds, GTS in 7 minutes, Caught Sample, TSTM

FF: Blow Back Built to BOB in 30 minutes

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2898.18	103.70	Initial Hydro-static
17	95.17	107.97	Open To Flow (1)
22	77.19	110.56	Shut-In(1)
82	1094.09	113.86	End Shut-In(1)
85	87.72	112.96	Open To Flow (2)
173	209.24	118.58	Shut-In(2)
265	572.91	119.98	End Shut-In(2)
268	2553.21	118.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	GTS	0.00
131.00	GOCM 10G 40%O 50%M	0.64
495.00	GSY Oil 10%G 90%O	6.44
5.00	GOCM 20%G 20%O 60%M	0.07

Gas Rates

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



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TESTING, INC**

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TOOL DIAGRAM

McCoy Petroleum Corporation

22-30s-19w Kiowa,KS

8080 E Central Ste 300
Wichita, KS 67206

MTPRC B 31-22

Job Ticket: 51908

DST#: 1

ATTN: Dave Williams

Test Start: 2013.12.10 @ 11:03:05

Tool Information

Drill Pipe:	Length: 4873.00 ft	Diameter: 3.80 inches	Volume: 68.36 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose:	100000.0 lb
			<u>Total Volume: 69.27 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	82000.00 lb
Depth to Top Packer:	5055.00 ft			Final	83000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	50.00 ft				
Tool Length:	76.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			5034.00	
Hydraulic tool	5.00			5039.00	
Jars	5.00			5044.00	
Safety Joint	2.00			5046.00	
Packer	5.00			5051.00	26.00 Bottom Of Top Packer
Packer	4.00			5055.00	
Stubb	1.00			5056.00	
Recorder	0.00	6798	Inside	5056.00	
Recorder	0.00	8367	Outside	5056.00	
Perforations	7.00			5063.00	
Change Over Sub	1.00			5064.00	
Drill Pipe	32.00			5096.00	
Change Over Sub	1.00			5097.00	
Perforations	5.00			5102.00	
Bullnose	3.00			5105.00	50.00 Bottom Packers & Anchor

Total Tool Length: 76.00



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FLUID SUMMARY

McCoy Petroleum Corporation

22-30s-19w Kiowa,KS

8080 E Central Ste 300
Wichita, KS 67206

MTPRC B 31-22

Job Ticket: 51908

DST#: 1

ATTN: Dave Williams

Test Start: 2013.12.10 @ 11:03:05

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 53.00 sec/qt
Water Loss: 8.77 in³
Resistivity: ohm.m
Salinity: 6100.00 ppm
Filter Cake: 0.02 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 34.9 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	GTS	0.000
131.00	GOCM 10G 40%O 50%M	0.644
495.00	GSY Oil 10%G 90%O	6.443
5.00	GOCM 20%G 20%O 60%M	0.070

Total Length: 631.00 ft Total Volume: 7.157 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: Gravity w as 34.4 @55 degrees

Serial #: 6798

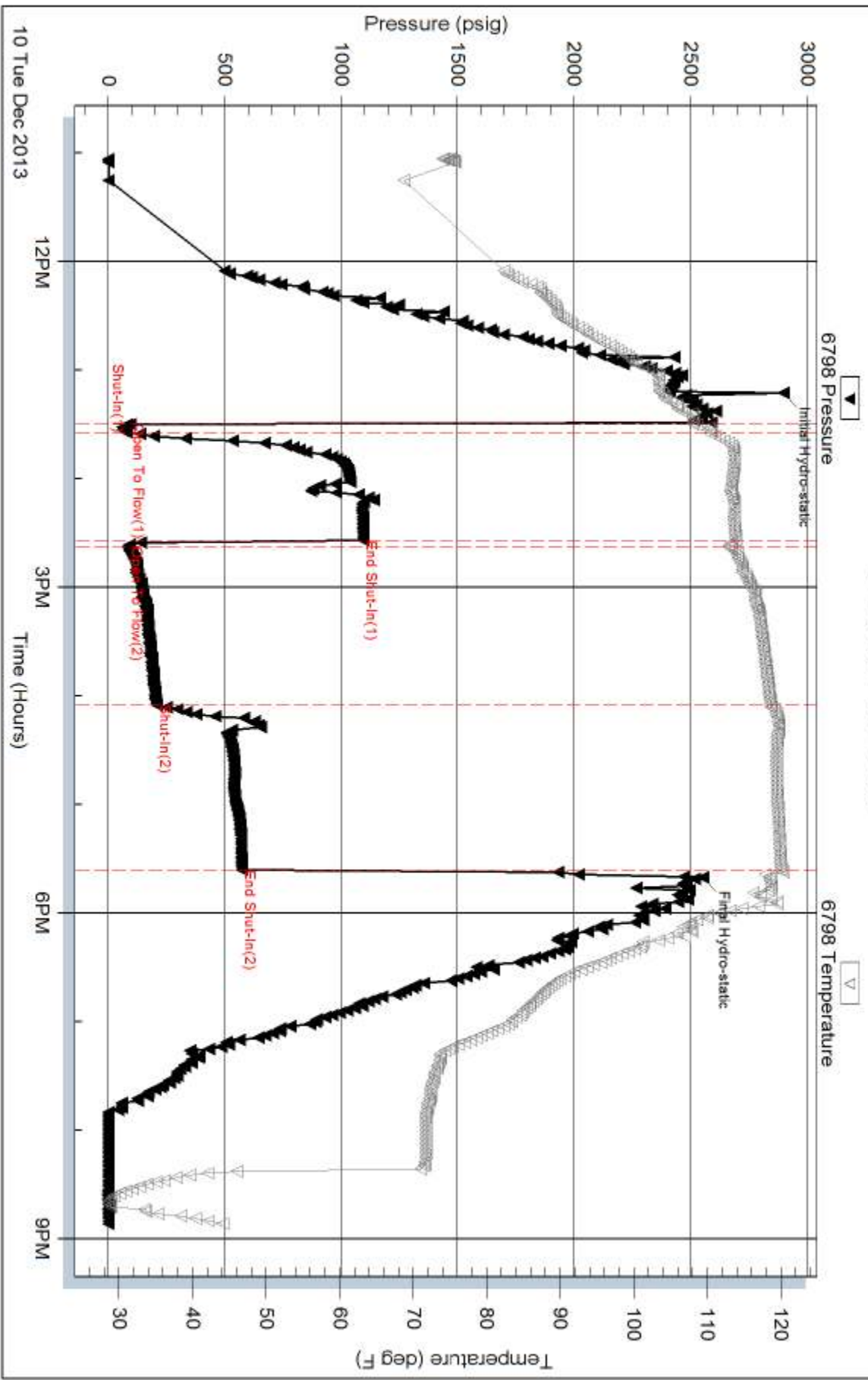
Inside

McCoy Petroleum Corporation

MTRRC B 31-22

DST Test Number: 1

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 51908

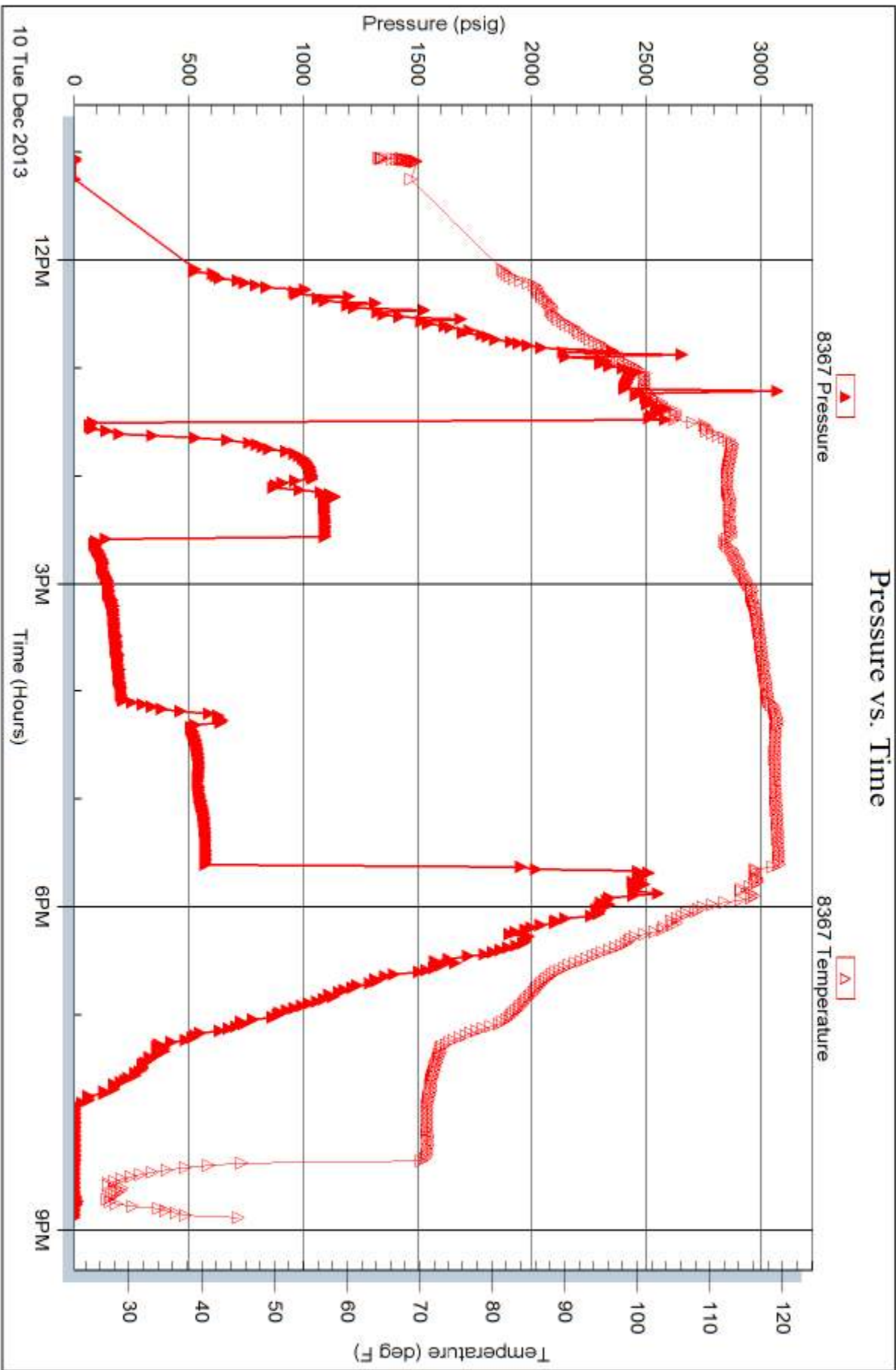
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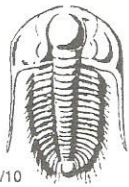
Serial #: 8367

Outside McCoy Petroleum Corporation

MTRRC B 31-22

DST Test Number: 1





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51908

Well Name & No. MT PRC B 1-22 Test No. 1 Date 12/10/13
 Company McCoy Petroleum Corporation Elevation 2219 KB 2218 GL
 Address 8080 E Central Ste 300 Wichita, KS 67206
 Co. Rep / Geo. Dave Williams Rig Sterling 2
 Location: Sec. 22 Twp. 30S Rge. 19W Co. Kiowa State KS

Interval Tested 5055 - 5105 Zone Tested Mississippi
 Anchor Length 50 Drill Pipe Run 4873 Mud Wt. 9.3
 Top Packer Depth 5050 Drill Collars Run 186 Vis 53
 Bottom Packer Depth 5055 Wt. Pipe Run 0 WL 8.8
 Total Depth 5105 Chlorides 6100 ppm System LCM 2

Blow Description IF: Strong Blow, BOB in 1 minute
ISI: Blow Back Built to BOB in 22 minutes
FF: Strong Blow, BOB in 10 seconds, GTS in 7 minutes, caught sample, TSTM

Rec	Feet of	%gas	%oil	%water	%mud
<u>4728</u>	<u>GIP</u>				
<u>131</u>	<u>GOCM</u>	<u>10</u>	<u>40</u>	<u>50</u>	
<u>495</u>	<u>oil</u>				
<u>5'</u>	<u>GOCM</u>	<u>20</u>	<u>20</u>	<u>60</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec Total	<u>631</u> BHT <u>118</u>	Gravity <u>34.9</u>	API RW <u>N/C</u>	@ <u>N/C</u> °F	Chlorides <u>N/C</u> ppm

(A) Initial Hydrostatic	<u>2897</u>	<input checked="" type="checkbox"/> Test	<u>1350</u>	T-On Location	<u>09:45</u>
(B) First Initial Flow	<u>95</u>	<input checked="" type="checkbox"/> Jars	<u>250</u>	T-Started	<u>11:03</u>
(C) First Final Flow	<u>77</u>	<input checked="" type="checkbox"/> Safety Joint	<u>75</u>	T-Open	<u>13:29</u>
(D) Initial Shut-In	<u>1094</u>	<input type="checkbox"/> Circ Sub		T-Pulled	<u>17:36</u>
(E) Second Initial Flow	<u>88</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>20:52</u>
(F) Second Final Flow	<u>209</u>	<input checked="" type="checkbox"/> Mileage	<u>1107</u> <u>170.50</u>	Comments	
(G) Final Shut-In	<u>573</u>	<input type="checkbox"/> Sampler			
(H) Final Hydrostatic	<u>2553</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>0</u>
Final Shut-In	<u>90</u>	<input type="checkbox"/> Day Standby		Total	<u>1845.50</u>
		<input type="checkbox"/> Accessibility		MP/DST Disc't	
		Sub Total	<u>1845.50</u>		

Approved By Daniel P. Winters Our Representative [Signature]

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