



## DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corp.**

9342 E. Central  
Wichita, KS 67206

ATTN: Dave Williams

### **MTPRC "B" #3-22**

#### **22-30s-19w Kiowa,Ks.**

Start Date: 2014.05.29 @ 21:38:35

End Date: 2014.05.30 @ 10:16:35

Job Ticket #: 54177                      DST #: 1

Trilobite Testing, Inc  
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**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

McCoy Petroleum Corp.

**22-30s-19w Kiowa, Ks.**

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Test Start: 2014.05.29 @ 21:38:35

## GENERAL INFORMATION:

Formation: **Miss.-Salem**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 01:15:50

Time Test Ended: 10:16:35

Test Type: Conventional Bottom Hole (Initial)

Tester: Matt Smith

Unit No: 53

**Interval: 5082.00 ft (KB) To 5123.00 ft (KB) (TVD)**

Reference Elevations: 2243.00 ft (KB)

Total Depth: 5123.00 ft (KB) (TVD)

2230.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

**Serial #: 6773 Outside**

Press@RunDepth: 131.71 psig @ 5083.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.29 End Date: 2014.05.30

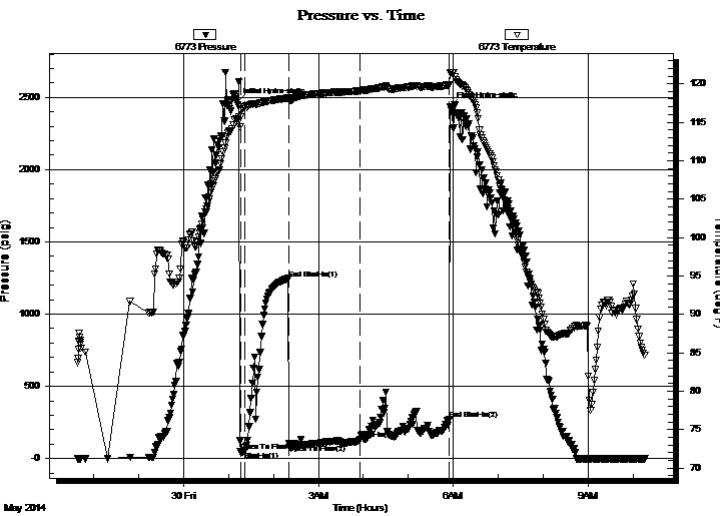
Last Calib.: 2014.05.30

Start Time: 21:38:40 End Time: 10:16:35

Time On Btm: 2014.05.30 @ 01:10:50

Time Off Btm: 2014.05.30 @ 05:55:50

**TEST COMMENT:** IF: Strong blow . B.O.B. in 1 min.  
IS: Strong blow . 8 mins., to bleed off.B.O.B. in 10 mins.  
FF: Strong blow . B.O.B. immediate. G.T.S. in 58 mins. T.S.T.M.  
FS: Strong blow . No bleed off after 25 mins. B.O.B.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2466.14	115.44	Initial Hydro-static
5	51.48	115.68	Open To Flow (1)
11	53.81	117.09	Shut-In(1)
70	1245.49	118.15	End Shut-In(1)
70	101.85	117.89	Open To Flow (2)
165	131.71	119.08	Shut-In(2)
284	272.46	119.86	End Shut-In(2)
285	2436.17	121.44	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	MCWGO 3%m 12%w 20%g 65%o	0.30
60.00	MCWGO 3%m 12%w 20%g 65%o	0.30
60.00	MCWGO 3%m 12%w 35%g 50%o	0.30
60.00	MWOG 5%m 15%w 40%o 40%g	0.30
60.00	MWOCG 15%w 20%m 25%g 40%o	0.30
64.00	MWOCG 10%w 25%m 25%go 40%g	0.90

## Gas Rates

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





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**TOOL DIAGRAM**

McCoy Petroleum Corp.

**22-30s-19w Kiowa, Ks.**

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Wichita, KS 67206

**MTPRC "B" #3-22**

Job Ticket: 54177

**DST#: 1**

ATTN: Dave Williams

Test Start: 2014.05.29 @ 21:38:35

## Tool Information

Drill Pipe:	Length: 4776.00 ft	Diameter: 3.80 inches	Volume: 66.99 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 300.00 ft	Diameter: 2.25 inches	Volume: 1.48 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 68.47 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 86000.00 lb
Depth to Top Packer:	5082.00 ft			Final 91000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	41.00 ft			
Tool Length:	69.00 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			5055.00	
Shut In Tool	5.00			5060.00	
Hydraulic tool	5.00			5065.00	
Jars	5.00			5070.00	
Safety Joint	3.00			5073.00	
Packer	4.00			5077.00	28.00 Bottom Of Top Packer
Packer	5.00			5082.00	
Stubb	1.00			5083.00	
Recorder	0.00	6719	Outside	5083.00	
Recorder	0.00	6773	Outside	5083.00	
Perforations	37.00			5120.00	
Bullnose	3.00			5123.00	41.00 Bottom Packers & Anchor

**Total Tool Length: 69.00**



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## FLUID SUMMARY

McCoy Petroleum Corp.

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9342 E. Central  
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**MTPRC "B" #3-22**

Job Ticket: 54177

**DST#: 1**

ATTN: Dave Williams

Test Start: 2014.05.29 @ 21:38:35

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

15000 ppm

Viscosity: 42.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.58 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4600.00 ppm

Filter Cake: 0.20 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	MCWGO 3%m 12%w 20%g 65%o	0.295
60.00	MCWGO 3%m 12%w 20%g 65%o	0.295
60.00	MCWGO 3%m 12%w 35%g 50%o	0.295
60.00	MVOG 5%m 15%w 40%o 40%g	0.295
60.00	MVOCG 15%w 20%m 25%g 40%o	0.295
64.00	MVOCG 10%w 25%m 25%go 40%g	0.898
64.00	MVOCG 15%g 25%w 30%m 30%go	0.898
0.00	GTS	0.000

Total Length: 428.00 ft      Total Volume: 3.271 bbl

Num Fluid Samples: 0

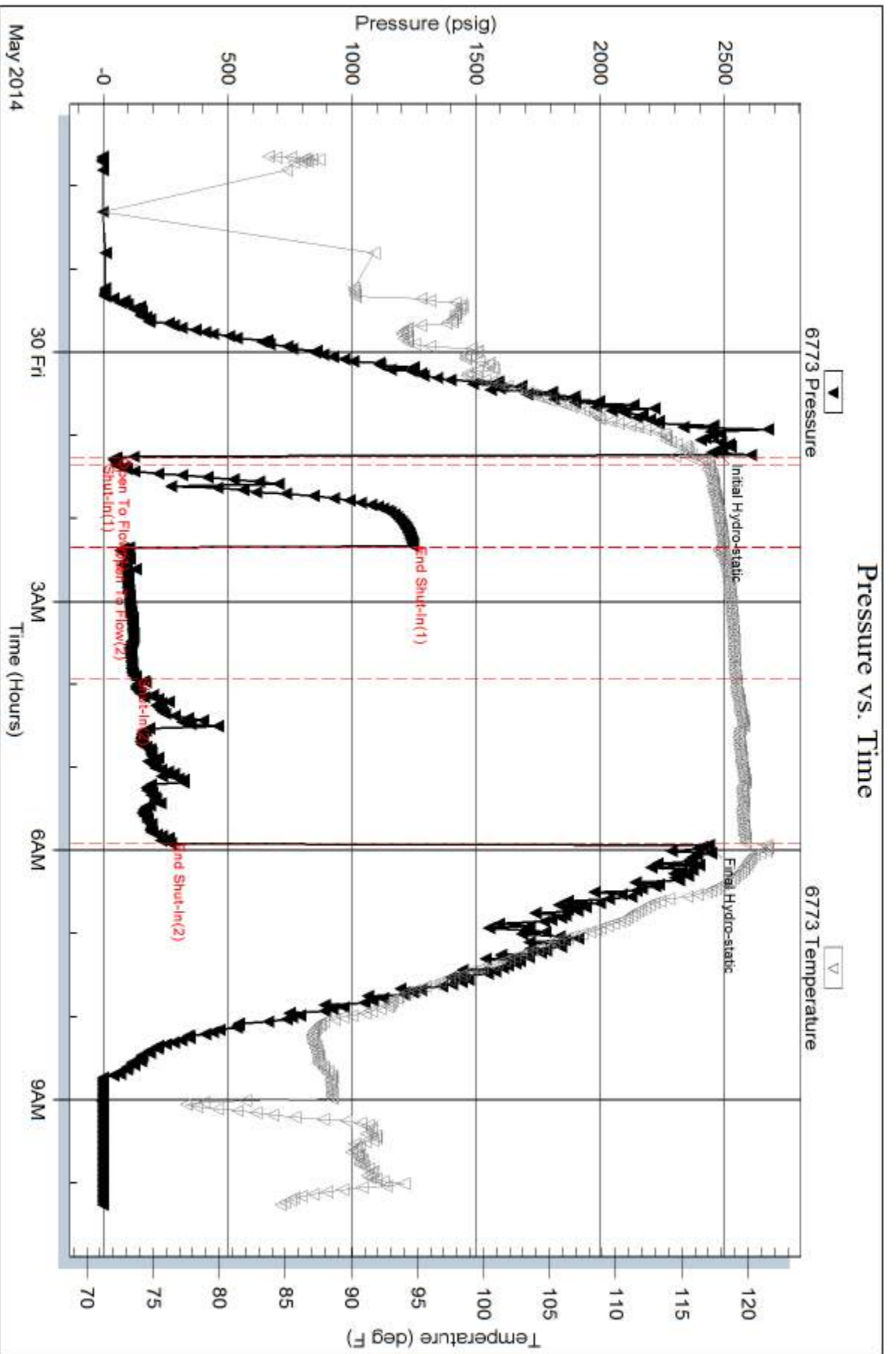
Num Gas Bombs: 0

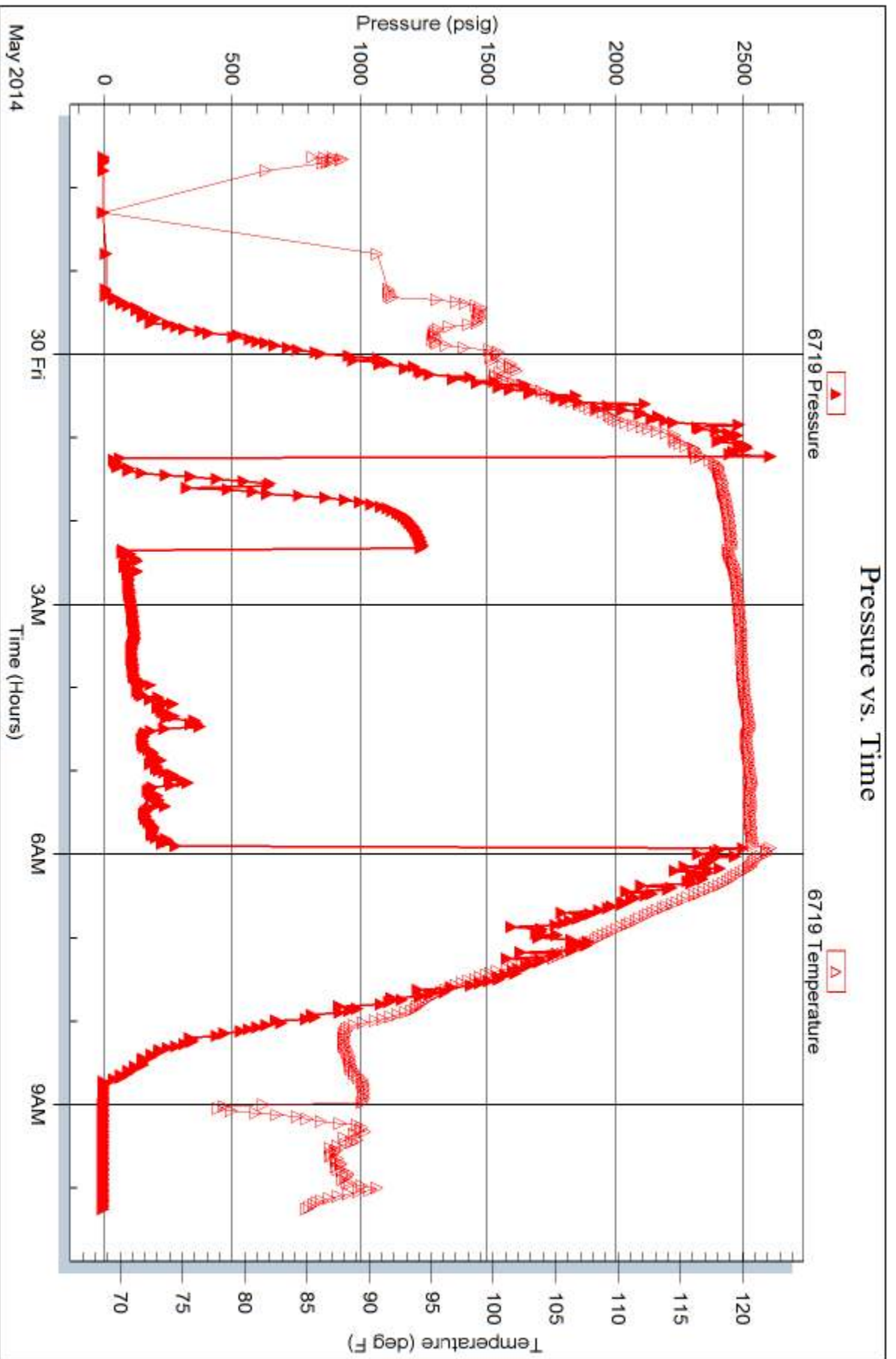
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments: RW is .40 @78 degrees = 15,000 chorides.









# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 54177

Well Name & No. MTPAC "B" # 3-22 Test No. 1 Date 5/29/14  
 Company M<sup>c</sup>Coy Petroleum Corp. Elevation 2243 KB 2230 GL  
 Address 9342 E. Central Wichita, KS, 67206  
 Co. Rep / Geo. Dave Williams Rig Sterling Rig # 5  
 Location: Sec. 22 Twp. 30S Rge. 19W Co. Kiowa State KS

Interval Tested 5082 - 5123 Zone Tested MISS - SALEM  
 Anchor Length 41' Drill Pipe Run 4,776 Mud Wt. 9.5  
 Top Packer Depth 5077 Drill Collars Run 300 Vis 42  
 Bottom Packer Depth 5082 Wt. Pipe Run 2 WL 9.6  
 Total Depth 5123 Chlorides 4,600 ppm System LCM 0#

Blow Description IF: Strong blow. B.O.B. in 1-min.  
ISI: Strong blow. 8-mins to bleed off. B.O.B. in 18 total mins from S.I.  
FF: Strong blow. B.O.B. immediately. G.T.S. 58 mins. T.S.T.M.  
FSI: Strong blow. No bleed off. B.O.B.

Rec	Feet of	%gas	%oil	%water	%mud
<u>4,626</u>	<u>G.I.P.</u>	<u>100</u>			
<u>133</u>	<u>MWOCG</u>	<u>30</u>	<u>20</u>	<u>20</u>	<u>30</u>
<u>60</u>	<u>MWOCG</u>	<u>25</u>	<u>40</u>	<u>15</u>	<u>20</u>
<u>120</u>	<u>MCWOG</u>	<u>40</u>	<u>40</u>	<u>15</u>	<u>5</u>
<u>120</u>	<u>MCWOG</u>	<u>20</u>	<u>65</u>	<u>12</u>	<u>3</u>

Rec Total 433' BHT \_\_\_\_\_ Gravity N.A. API RW = 40 @ 78 °F Chlorides 15,000 ppm

(A) Initial Hydrostatic 2466  Test 1350 T-On Location 1915  
 (B) First Initial Flow 51  Jars 250 T-Started 2138  
 (C) First Final Flow 54  Safety Joint 75 T-Open 0115  
 (D) Initial Shut-In 1245  Circ Sub \_\_\_\_\_ T-Pulled 0555  
 (E) Second Initial Flow 102  Hourly Standby \_\_\_\_\_ T-Out 1016  
 (F) Second Final Flow 132  Mileage 105 162.75 Comments Geo said on Bank @ 8:00 a-  
 (G) Final Shut-In 272  Sampler \_\_\_\_\_ Started Recorder when they were  
 (H) Final Hydrostatic 2437  Straddle \_\_\_\_\_ @ collars. No Temp cause printer  
 Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1837.75  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1837.75

Approved By \_\_\_\_\_ Our Representative Matthew R. Smith

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