



DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Co.**

8080 E Central Ste 300
Wichita, KS 67206

ATTN: Evan Stone

Yost G #1-18

18-27s-29w Gray,KS

Start Date: 2012.12.30 @ 05:31:00

End Date: 2012.12.30 @ 16:12:00

Job Ticket #: 51262 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.12.31 @ 10:58:31



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

McCoy Petroleum Co.
8080 E Central Ste 300
Wichita, KS 67206
ATTN: Evan Stone

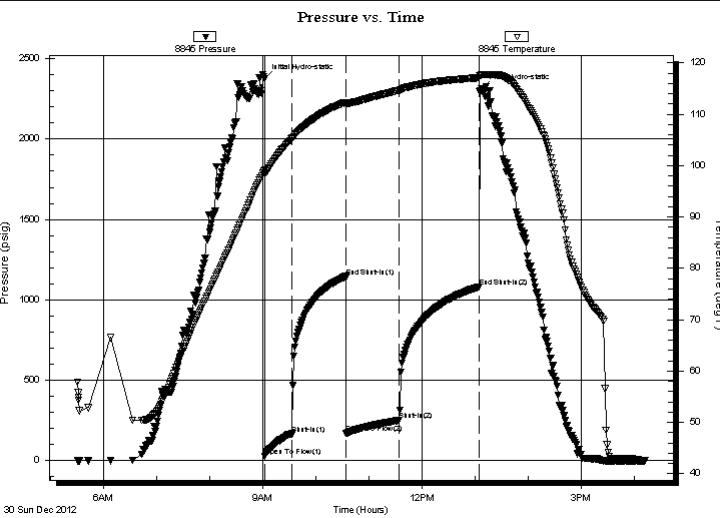
18-27s-29w Gray,KS
Yost G #1-18
Job Ticket: 51262 **DST#: 1**
Test Start: 2012.12.30 @ 05:31:00

GENERAL INFORMATION:

Formation: **Cherokee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:02:30
Time Test Ended: 16:12:00
Interval: 4845.00 ft (KB) To 4950.00 ft (KB) (TVD)
Total Depth: 5250.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:
Test Type: Conventional Straddle (Initial)
Tester: Sam Esparza
Unit No: 64
Reference Elevations: 2760.00 ft (KB)
2750.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8845 Outside
Press @RunDepth: 250.66 psig @ 4846.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.12.30 End Date: 2012.12.30 Last Calib.: 2012.12.30
Start Time: 05:31:05 End Time: 16:12:00 Time On Btm: 2012.12.30 @ 09:02:15
Time Off Btm: 2012.12.30 @ 13:07:15

TEST COMMENT: IF: 8 1/2" blow .
IS: No return.
FF: BOB @ 59 min.
FS: No return.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2377.68	99.24	Initial Hydro-static
1	28.07	98.34	Open To Flow (1)
31	165.93	105.25	Shut-In(1)
92	1144.45	112.27	End Shut-In(1)
92	167.95	111.93	Open To Flow (2)
152	250.66	114.67	Shut-In(2)
243	1080.96	117.11	End Shut-In(2)
245	2312.91	117.61	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
240.00	WM 20m 80w	1.18
240.00	MW 40w 60m (Oil spots)	2.83

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



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DRILL STEM TEST REPORT

McCoy Petroleum Co.
8080 E Central Ste 300
Wichita, KS 67206
ATTN: Evan Stone

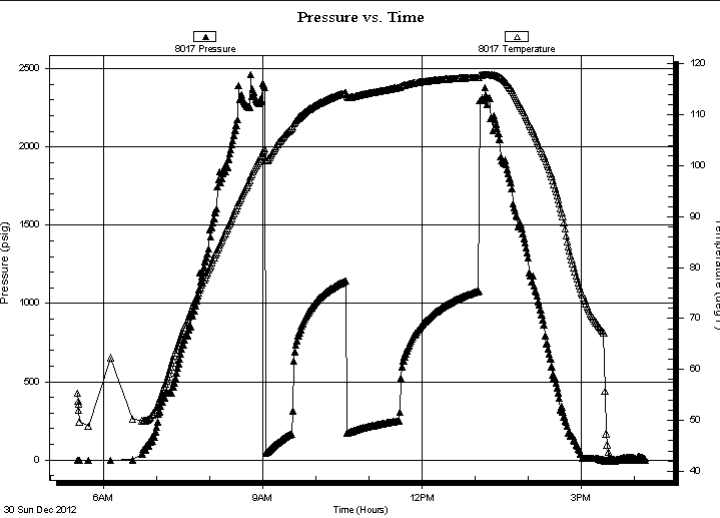
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Yost G #1-18
Job Ticket: 51262 **DST#: 1**
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Time Tool Opened: 09:02:30 Tester: Sam Esparza
Time Test Ended: 16:12:00 Unit No: 64
Interval: 4845.00 ft (KB) To 4950.00 ft (KB) (TVD) Reference Elevations: 2760.00 ft (KB)
Total Depth: 5250.00 ft (KB) (TVD) 2750.00 ft (CF)
Hole Diameter: 7.88 inchesHole Condition: KB to GR/CF: 10.00 ft

Serial #: 8017 Outside
Press @RunDepth: psig @ 4846.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.12.30 End Date: 2012.12.30 Last Calib.: 2012.12.30
Start Time: 05:31:05 End Time: 16:12:15 Time On Btm:
Time Off Btm:

TEST COMMENT: IF: 8 1/2" blow .
IS: No return.
FF: BOB @ 59 min.
FS: No return.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery		
Length (ft)	Description	Volume (bbl)
240.00	WM 20m 80w	1.18
240.00	MW 40w 60m (Oil spots)	2.83

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



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TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Co.

18-27s-29w Gray,KS

8080 E Central Ste 300
Wichita, KS 67206

Yost G #1-18

Job Ticket: 51262

DST#: 1

ATTN: Evan Stone

Test Start: 2012.12.30 @ 05:31:00

Tool Information

Drill Pipe:	Length: 4528.00 ft	Diameter: 3.80 inches	Volume: 63.52 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 299.00 ft	Diameter: 2.25 inches	Volume: 1.47 bbl	Weight to Pull Loose: 104000.0 lb
			<u>Total Volume: 64.99 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 94000.00 lb
Depth to Top Packer:	4845.00 ft			Final 94000.00 lb
Depth to Bottom Packer:	4950.00 ft			
Interval between Packers:	105.00 ft			
Tool Length:	433.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4818.00	
Shut In Tool	5.00			4823.00	
Hydraulic tool	5.00			4828.00	
Jars	5.00			4833.00	
Safety Joint	3.00			4836.00	
Packer	5.00			4841.00	28.00 Bottom Of Top Packer
Packer	4.00			4845.00	
Stubb	1.00			4846.00	
Recorder	0.00	8017	Outside	4846.00	
Recorder	0.00	8845	Outside	4846.00	
Perforations	5.00			4851.00	
Change Over Sub	1.00			4852.00	
Drill Pipe	93.00			4945.00	
Change Over Sub	1.00			4946.00	
Blank Off Sub	1.00			4947.00	
Top of s packer	3.00			4950.00	105.00 Tool Interval
Packer	1.00			4951.00	
Stubb	1.00			4952.00	
Recorder	0.00	6672	Below	4952.00	
Perforations	8.00			4960.00	
Change Over Sub	1.00			4961.00	
Drill Pipe	283.00			5244.00	
Change Over Sub	1.00			5245.00	
Blank Off Sub	5.00			5250.00	300.00 Bottom Packers & Anchor
Total Tool Length:	433.00				



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FLUID SUMMARY

McCoy Petroleum Co.

18-27s-29w Gray,KS

8080 E Central Ste 300
Wichita, KS 67206

Yost G #1-18

Job Ticket: 51262

DST#: 1

ATTN: Evan Stone

Test Start: 2012.12.30 @ 05:31:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 9200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
240.00	WM 20m 80w	1.180
240.00	MW 40w 60m (Oil spots)	2.829

Total Length: 480.00 ft Total Volume: 4.009 bbl

Num Fluid Samples: 0

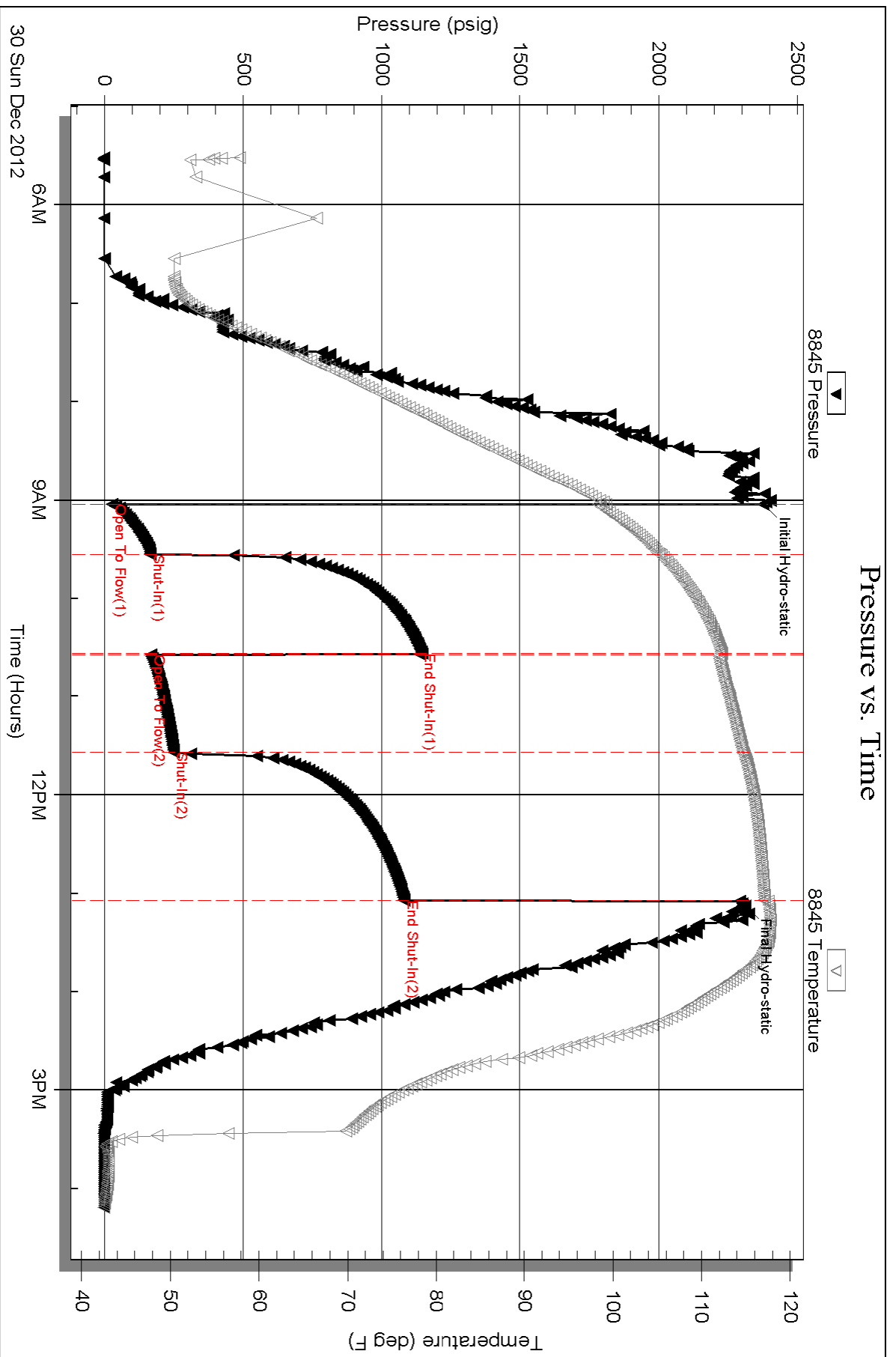
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .100 @ 45 degrees= 124,000 ppm



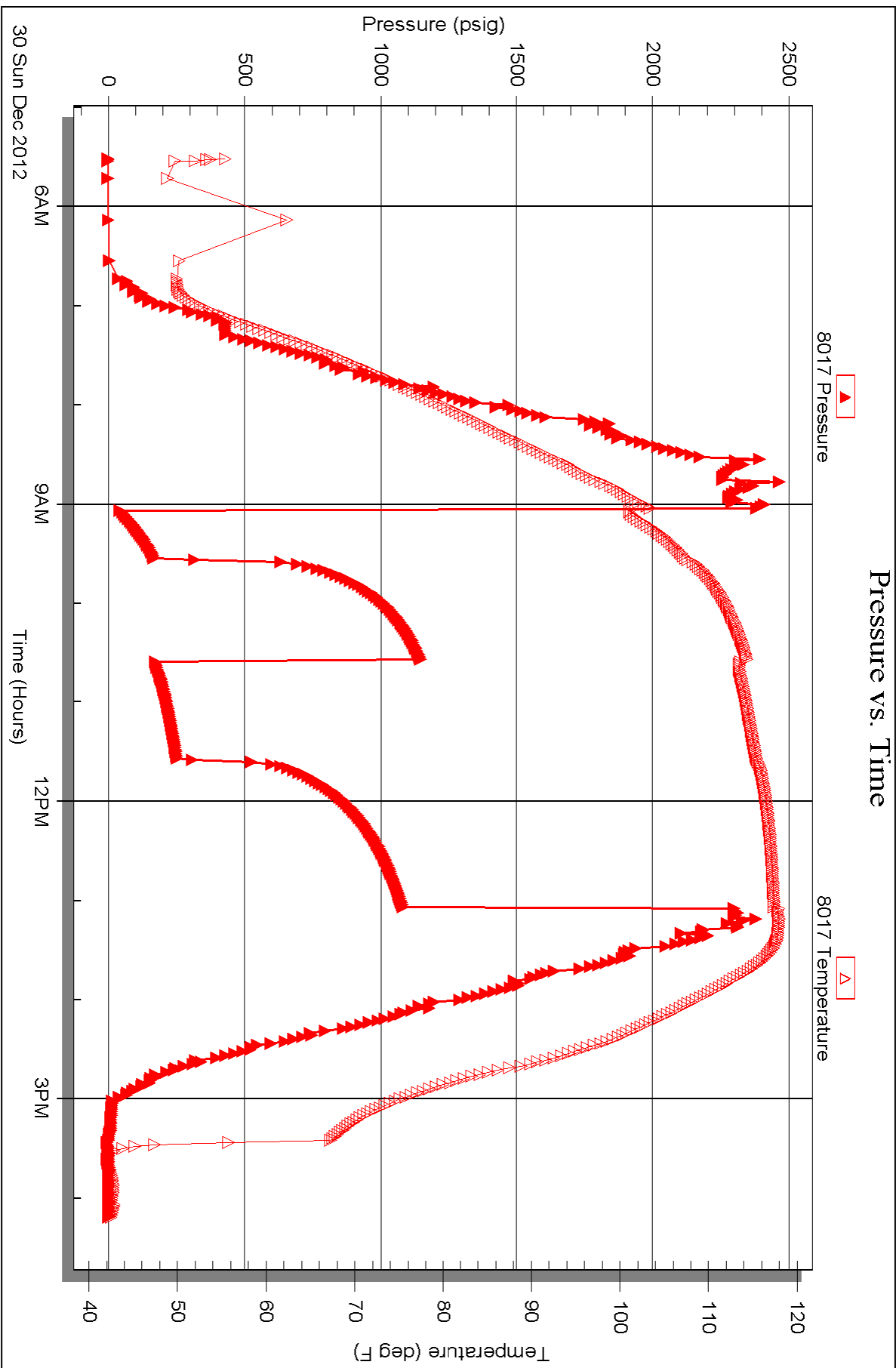
Serial #: 8017

Outside

McCoy Petroleum Co.

Yost G#1-18

DST Test Number: 1

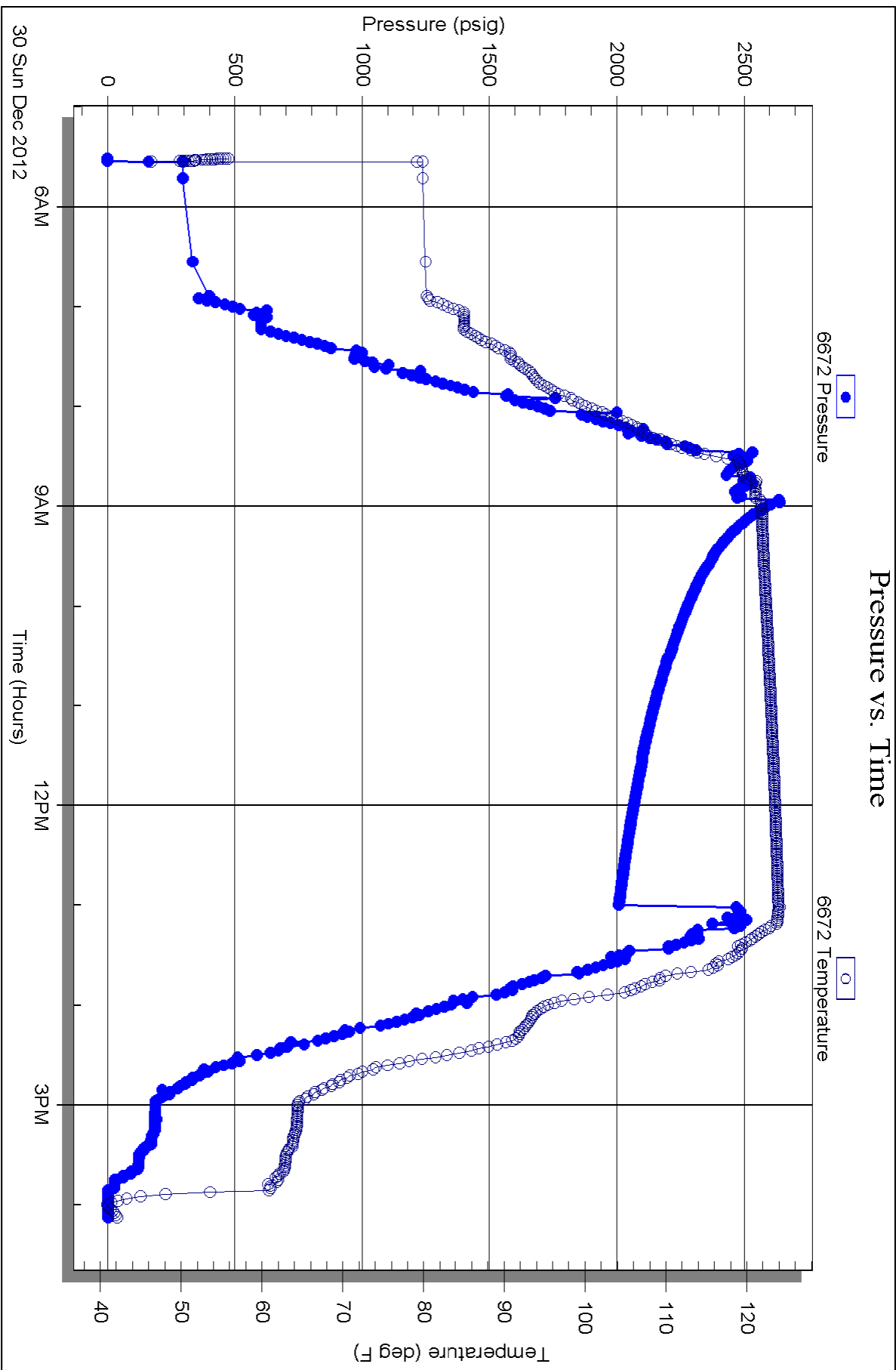


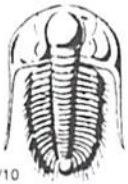
Serial #: 6672

Below (Str ~~Adley~~ Petroleum Co.

Yost G#1-18

DST Test Number: 1





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51262

Well Name & No. Vost G #1-18 Test No. 1 Date 12/30/12
 Company McCoy Petroleum Co. Elevation 2760 KB 2750 GL
 Address 6080 E Central STE 300 Wichita, KS 67206
 Co. Rep / Geo. Evan Stone Rig Sterling #5
 Location: Sec. 18 Twp. 27 Rge. 29 Co. Grey State KS

Interval Tested 4845-4950 Zone Tested Cherokee
 Anchor Length 105 Drill Pipe Run 4528 Mud Wt. 9.3
 Top Packer Depth 4841 Drill Collars Run 299 Vis 52
 Bottom Packer Depth 4845 Wt. Pipe Run Ø WL 11.2
 Total Depth 5250 Chlorides 9200 ppm System LCM 2
 Blow Description 8 1/2" blow.
No return.
Bob @ 59 min.
No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>240</u>	<u>100 WM (oil spots)</u>		<u>40</u>	<u>60</u>	
<u>240</u>	<u>100 MW</u>		<u>80</u>	<u>20</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 480 BHT 117 Gravity — API RW .100 @ 45 °F Chlorides 124,000 ppm

(A) Initial Hydrostatic <u>2378</u>	<input checked="" type="checkbox"/> Test <u>1350</u>	T-On Location <u>4:30</u>
(B) First Initial Flow <u>28</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>5:31</u>
(C) First Final Flow <u>166</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>9:03</u>
(D) Initial Shut-In <u>1144</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>13:04</u>
(E) Second Initial Flow <u>168</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>16:12</u>
(F) Second Final Flow <u>251</u>	<input checked="" type="checkbox"/> Mileage <u>178 R/T</u> 275.90	Comments <u>loaded fails</u>
(G) Final Shut-In <u>1081</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2313</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>2550.90</u>
Final Shut-In <u>90</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>2550.90</u>	

Approved By [Signature] Our Representative [Signature]

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