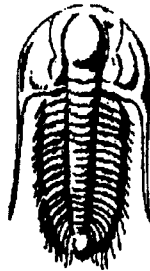


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**TRILOBITE  
TESTING, INC.**

ORIGINAL

**DRILL STEM TEST REPORT**

Prepared For: **Advantage Resources, Inc.**

1776 Sherman St. suite 1900  
Denver, Colorado. 80203

ATTN: Brad Rine

**8-28S-17W Kiowa**

**McElwain & Mega D-#1**

Start Date: 2003.01.31 @ 22:10:49

End Date: 2003.02.01 @ 08:15:49

Job Ticket #: 16614                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Advantage Resources, Inc.  
1776 Sherman St. suite 1900  
Denver, Colorado. 80203  
ATTN: Brad Fine

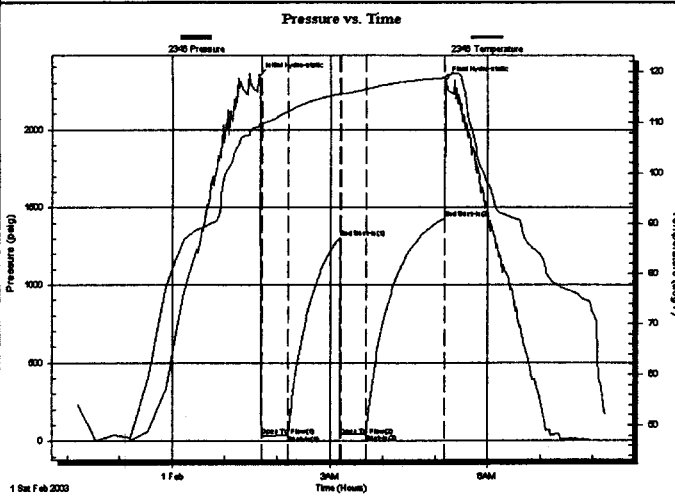
**McElwain & Mega D-#1**  
**8-28S-17W Kiowa**  
Job Ticket: 16614      DST#: 1  
Test Start: 2003.01.31 @ 22:10:49

### GENERAL INFORMATION:

Formation: <b>Mississippian</b> Deviated: No Whipstock: ft (KB) Time Tool Opened: 01:42:19 Time Test Ended: 08:15:49 Interval: <b>4725.00 ft (KB) To 4775.00 ft (KB) (TVD)</b> Total Depth: 4775.00 ft (KB) (TVD) Hole Diameter: 7.88 inches Hole Condition: Fair	Test Type: Conventional Bottom Hole Tester: Darren L. Amerine Unit No: 19 Reference Elevations: 3182.00 ft (KB) 3172.00 ft (CF) KB to GR/CF: 10.00 ft
---	--

<b>Serial #: 2346      Inside</b> Press@RunDepth: 45.60 psig @ 4741.00 ft (KB) Start Date: 2003.01.31      End Date: 2003.02.01 Start Time: 22:11:51      End Time: 08:15:49	Capacity: 7000.00 psig Last Calib.: 2003.02.01 Time On Btrr: 2003.02.01 @ 01:39:49 Time Off Btrr: 2003.02.01 @ 05:11:49
---	--

**TEST COMMENT:** IF: Fair blow built to b.o.b in 30 sec.  
 IS: Bled down n for 5 mins. no blow back.  
 FF: Strong blow b.o.b in 15 sec.  
 FSI: Bled down n for 5 mins. no blow back.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2342.93	109.65	Initial Hydro-static
3	31.60	109.93	Open To Flow (1)
33	38.39	112.18	Shut-In (1)
91	1305.65	115.61	End Shut-In (1)
92	31.92	115.72	Open To Flow (2)
122	45.60	116.56	Shut-In (2)
211	1428.56	118.81	End Shut-In (2)
212	2318.77	119.10	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
0.00	1340 GIP	0.00
60.00	SGCM	0.30

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Advantage Resources, Inc.

**McElwain & Mega D-#1**

1776 Sherman St. suite 1900  
Denver, Colorado. 80203

**8-28S-17W Kiowa**

Job Ticket: 16614

**DST#: 1**

ATTN: Brad Rine

Test Start: 2003.01.31 @ 22:10:49

### Tool Information

Drill Pipe:	Length: 4574.24 ft	Diameter: 3.80 inches	Volume: 64.16 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: 20000.00 lb
Drill Collar:	Length: 151.76 ft	Diameter: 2.25 inches	Volume: 0.75 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 64.91 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4725.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	79.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			4697.00	
S.I. Tool	5.00			4702.00	
HMV	5.00			4707.00	
Jars	5.00			4712.00	
Safety Joint	3.00			4715.00	
Packer	5.00			4720.00	29.00 Bottom Of Top Packer
Packer	5.00			4725.00	
Stubb	1.00			4726.00	
Anchor	15.00			4741.00	
Recorder	0.00	2346	inside	4741.00	
Blank Spacing	31.00			4772.00	
Recorder	0.00	10991	Outside	4772.00	
Bullnose	3.00			4775.00	50.00 Bottom Packers & Anchor

**Total Tool Length: 79.00**



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Advantage Resources, Inc.

**McElwain & Mega D-#1**

1776 Sherman St. suite 1900  
Denver, Colorado. 80203

**8-28S-17W Kiowa**

Job Ticket: 16614

**DST#: 1**

ATTN: Brad Fine

Test Start: 2003.01.31 @ 22:10:49

### 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: 55.00 sec/qt

Cushion Volume:

bbf

Water Loss: 11.97 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.50 ohm.m

Gas Cushion Pressure:

psig

Salinity: 12000.00 ppm

Filter Cake: 0.32 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbf
0.00	1340 GIP	0.000
60.00	SGCM	0.295

Total Length: 60.00 ft      Total Volume: 0.295 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 2346

Advantage Resources, Inc.

Inside

8-28S-17W Klow a

DST Test Number: 1

### Pressure vs. Time

