

**OPERATOR:** GRAND MESA OPERATING CO

**TEST NO:** 1

**WELL NAME:** K-M 1-2

**TICKET NO:** 2958

Contractor Murfin Drilling  
Rig No. 14  
Spot 2384' FNL & 2540' FWL  
Sec 2  
Twp 2 S  
Rng 52 W  
Field  
County Washington  
State Colorado  
Elevation 4682 KB - 4672' GL  
Formation Marmaton

Surface Choke 1"  
Bottom Choke 5/8"  
Hole Size 7 7/8"  
Core Hole Size  
DP Size & Wt 4 1/2" 16.60  
Wt Pipe  
ID of DC 2 3/8"  
Length of DC 444'  
Total Depth 7079'  
Type of Test Conventional  
Interval 6968' - 7079'

Mud Type Chemical  
Weight 8.8  
Viscosity 68  
Water Loss 6.4  
Filter Cake 1/32  
RW @ Deg F  
Chlorides Ppm  
Co. Rep. Bob Schneider  
Tester Roger Seeman

**Pipe Recovery:**  
20' Mud = 0.10 bbl.

**Properties:**

**Downhole Sampler:**

Pressure in Sampler No Sampler psig  
Volume of Sampler cc  
Volume of Sample cc  
Oil: cc  
Water: cc  
Mud: cc  
Gas: cu ft  
Other:  
Rw:  
Chlorides:  
Gas/Oil Ratio  
Gravity API @ 60 Deg F

**Surface blow:**

1st Flow - Began with a weak surface blow, decreased and died at 20 minutes and remained.

2nd Flow - Began with no blow and remained dead throughout test.

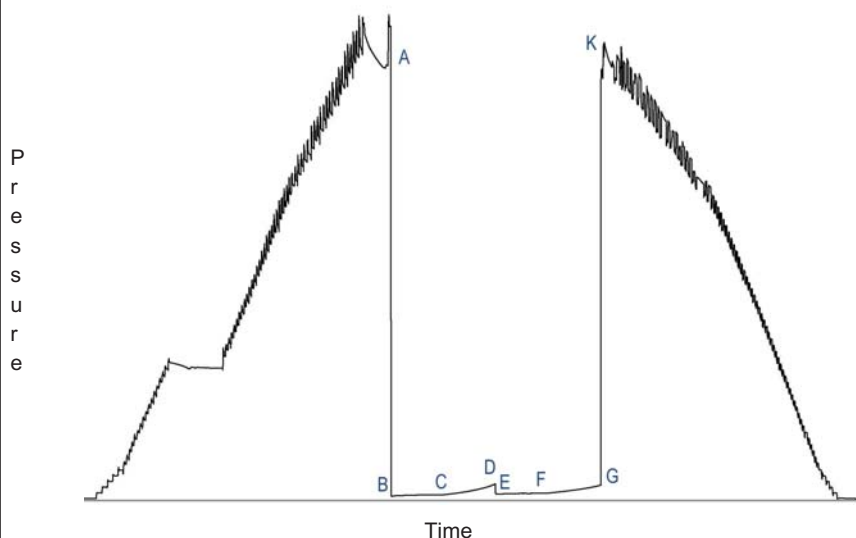
Opened Tool @ 04:05 hrs on 10/14/2013

	Reported	Corrected	
Flow 1	30	30	min
Shut-in 1	30	30	min
Flow 2	30	30	min
Shut-in 2	30	31	min

Pressure Data File



Downhole Pressure Chart



**Downhole Pressure Data**

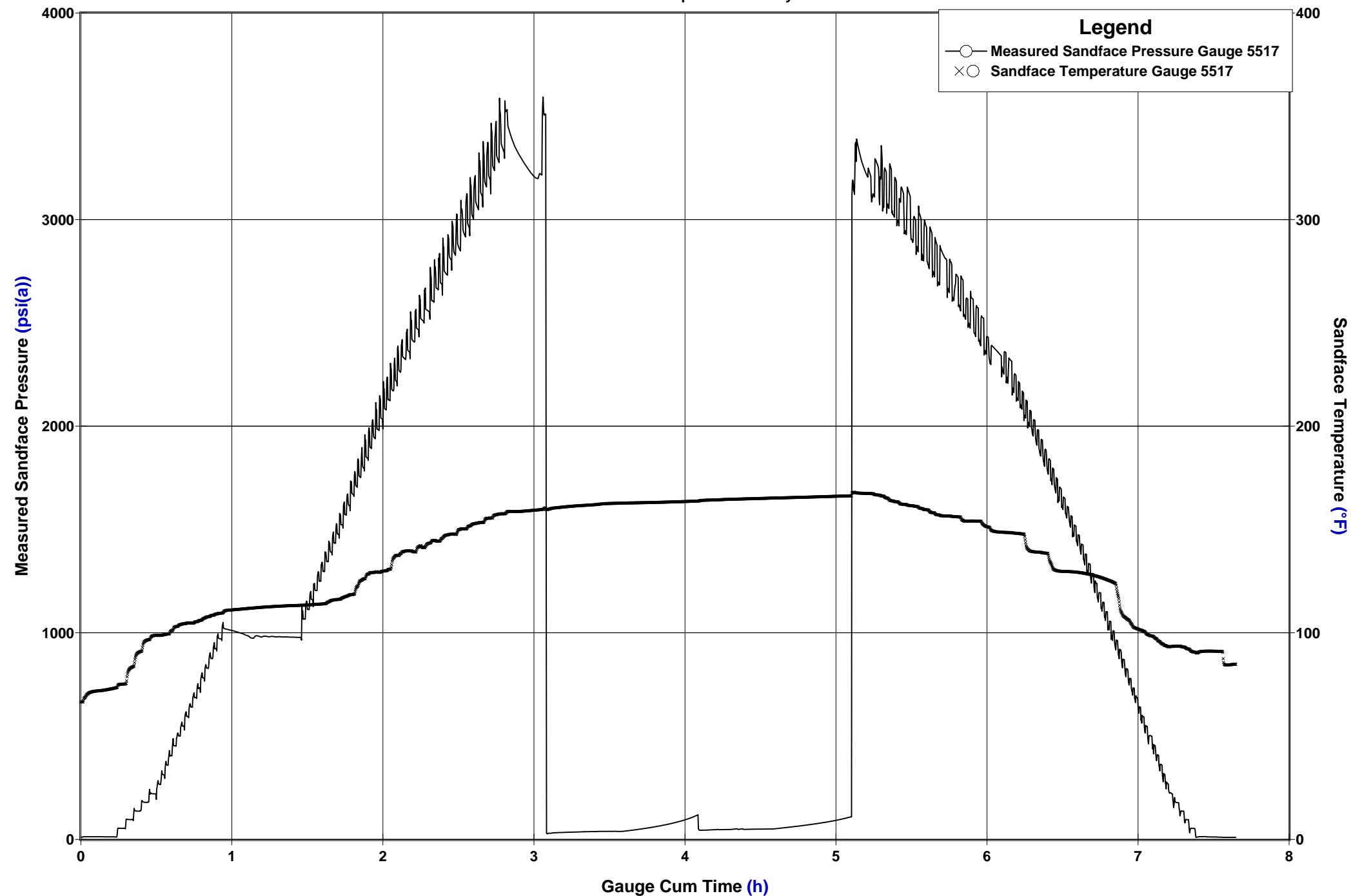
Recorder Type JMCO Memory Recorder  
No. 5517 Cap 6000 psi  
Depth 6947 ft.  
Inside X Outside  
Psi(a) Deg (f)  
Initial Hydrostatic [A] 3220  
Final Hydrostatic [K] 3209  
Initial Flow 1 [B] 29 160  
Final Flow 1 [C] 39 163  
Initial Flow 2 [E] 45 164  
Final Flow 2 [F] 50 165  
Shut-in 1 [D] 119 164  
Shut-in 2 [G] 109 166  
Maximum Temperature 166

Grand Mesa Operating Co  
Interval: 6968'- 7079'

# Gauge 5517

Pressure / Temperature History

K-M 1-2, Dst 1  
Formation: Marmaton

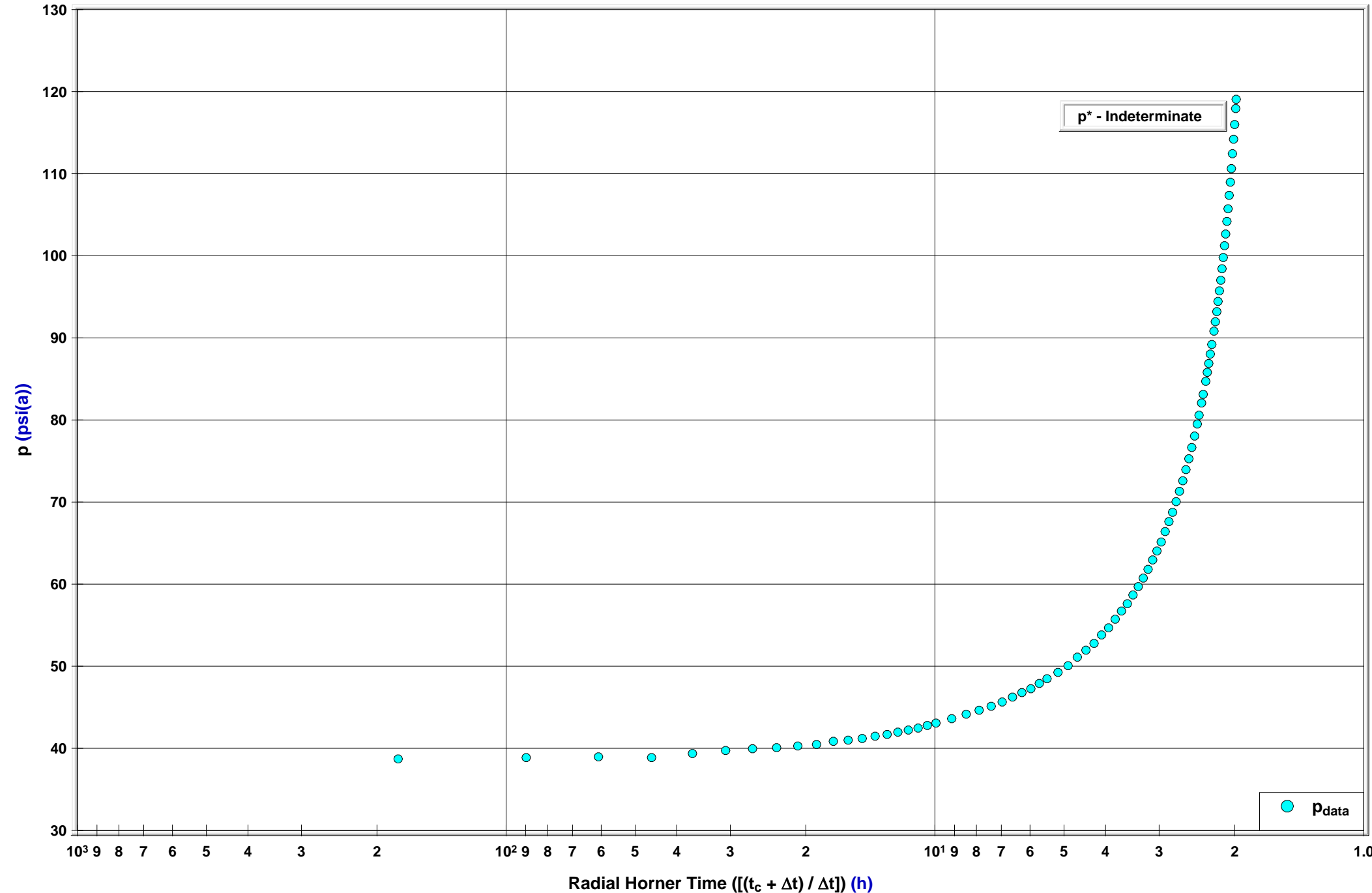


# Diagnostic Plot - Shut In 1

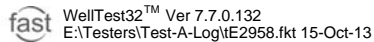
## Radial

Grand Mesa Operating Co  
Interval: 6968'- 7079'

K-M 1-2, Dst 1  
Formation: Marmaton



**K-M 1-2, Dst 1**  
**Formation: Marmaton**



Grand Mesa Operating Co  
Interval: 6968'- 7079'

# Diagnostic Plot - Shut In 2 Typecurve

K-M 1-2, Dst 1  
Formation: Marmaton

