



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Robert F Hembree
 P. O. Box 542
 Ness City KS 67560-0542
 ATTN: Clint Musgrove

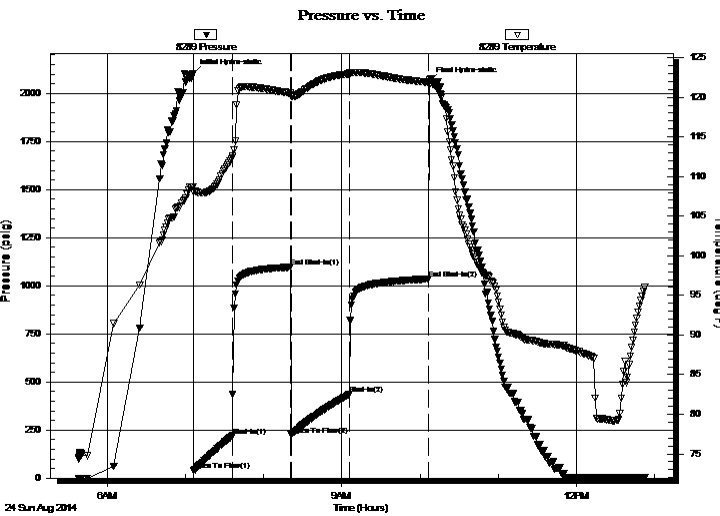
35 18s 24w Ness
Schwartzkopf K 2
 Job Ticket: 56135 **DST#: 1**
 Test Start: 2014.08.24 @ 05:38:00

GENERAL INFORMATION:

Formation: **Ft Scott**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:06:15
 Time Test Ended: 12:53:00
 Interval: **4214.00 ft (KB) To 4258.00 ft (KB) (TVD)**
 Total Depth: 4258.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jim Svaty
 Unit No: 76
 Reference Elevations: 2322.00 ft (KB)
 2314.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8289 Outside
 Press @ Run Depth: 435.86 psig @ 4223.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.08.24 End Date: 2014.08.24 Last Calib.: 2014.08.24
 Start Time: 05:38:02 End Time: 12:53:00 Time On Btm: 2014.08.24 @ 07:06:00
 Time Off Btm: 2014.08.24 @ 10:07:15

TEST COMMENT: 30-IFP- BOB in 6min.
 45-ISIP- 1/4in. Blow in 2min.
 45-FFP- BOB in 7 1/2min.
 60-FSIP- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2101.99	108.68	Initial Hydro-static
1	38.54	108.06	Open To Flow (1)
30	220.25	112.35	Shut-In(1)
75	1096.42	120.51	End Shut-In(1)
75	225.75	120.16	Open To Flow (2)
120	435.86	122.95	Shut-In(2)
181	1035.46	121.88	End Shut-In(2)
182	2058.90	122.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
567.00	MCW 5% m 95% w Show of Oil	7.95
375.00	GOSMCW 10% g 2% o 20% m 68% w	5.26
3.00	CO 100%	0.04
0.00	140 GIP	0.00

Gas Rates

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



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 37 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 28000 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.78 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 4900.00 ppm		
Filter Cake: 1.00 inches		

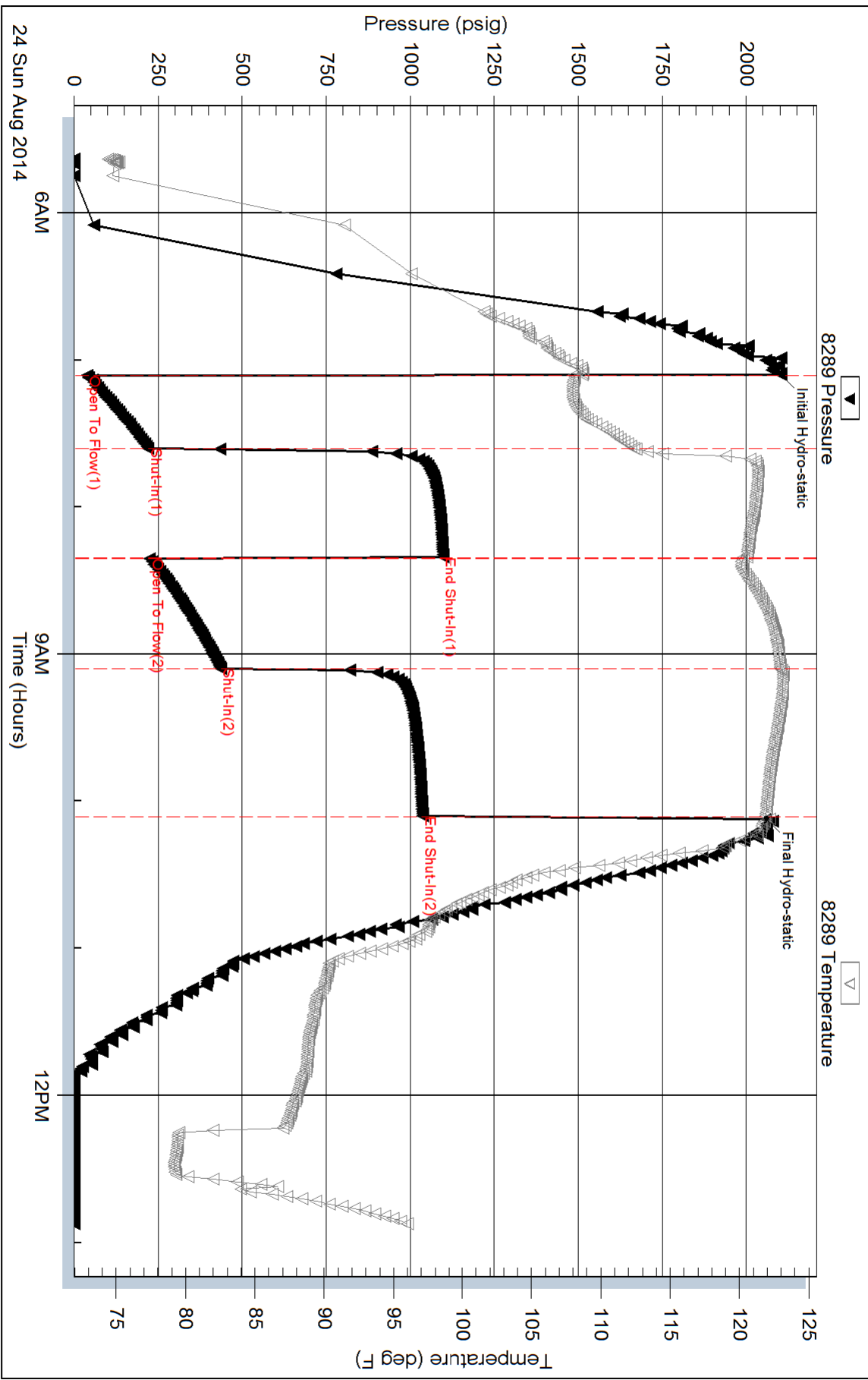
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
567.00	MCW 5% <i>m</i> 95% <i>w</i> Show of Oil	7.954
375.00	GOSMCW 10% <i>g</i> 2% <i>o</i> 20% <i>m</i> 68% <i>w</i>	5.260
3.00	CO 100%	0.042
0.00	140 GIP	0.000

Total Length: 945.00 ft Total Volume: 13.256 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: .190 @ 90

Pressure vs. Time



Serial #: 8789

Inside

Robert F Herbrree

Schw artzkopf K 2

DST Test Number: 1

