DRILL STEM TEST REPORT

Carrie Exploration & Development

210 West 22nd Hays Kansas
67601

ATTN: Herb

34-19s-11w-Barton

Thomas Farms C-3

Job Ticket: 17862 **DST#: 1**

Test Start: 2012.10.29 @ 11:40:00

GENERAL INFORMATION:

Formation: **Lansing A-B**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:18:00
Time Test Ended: 17:43:30

Interval: 3039.00 ft (KB) To 3081.00 ft (KB) (TVD)
Total Depth: 3081.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

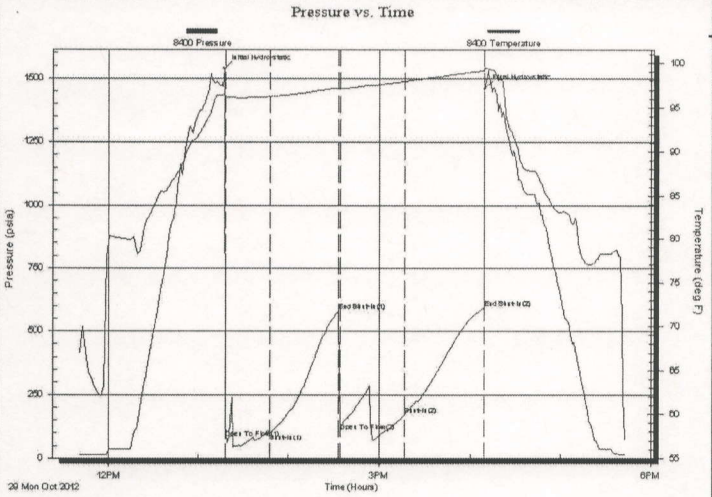
Test Type: Conventional Bottom Hole (Initial)
Tester: Dustin Ellis
Unit No: 3315-Great Bend -25

Reference Elevations: 1781.00 ft (KB)
1773.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8400 **Outside**

Press@RunDepth:	170.32 psia @	3078.00 ft (KB)		Capacity:	5000.00 psia
Start Date:	2012.10.29	End Date:	2012.10.29	Last Calib.:	2012.10.30
Start Time:	11:40:00	End Time:	17:43:30	Time On Btm:	2012.10.29 @ 13:17:30
				Time Off Btm:	2012.10.29 @ 16:09:30

TEST COMMENT: 1st Open 30 minutes Fair building blow blew 1 inch.
1st Shut in 45 minutes No blw o back
2nd Open 45 minutes Very w eak surfac blow
2nd Shut in 45 minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1538.33	96.51	Initial Hydro-static
1	78.43	95.97	Open To Flow (1)
30	96.35	96.25	Shut-In(1)
76	580.78	97.24	End Shut-In(1)
77	106.28	97.07	Open To Flow (2)
119	170.32	97.95	Shut-In(2)
172	594.26	99.15	End Shut-In(2)
172	1459.99	99.44	Final Hydro-static

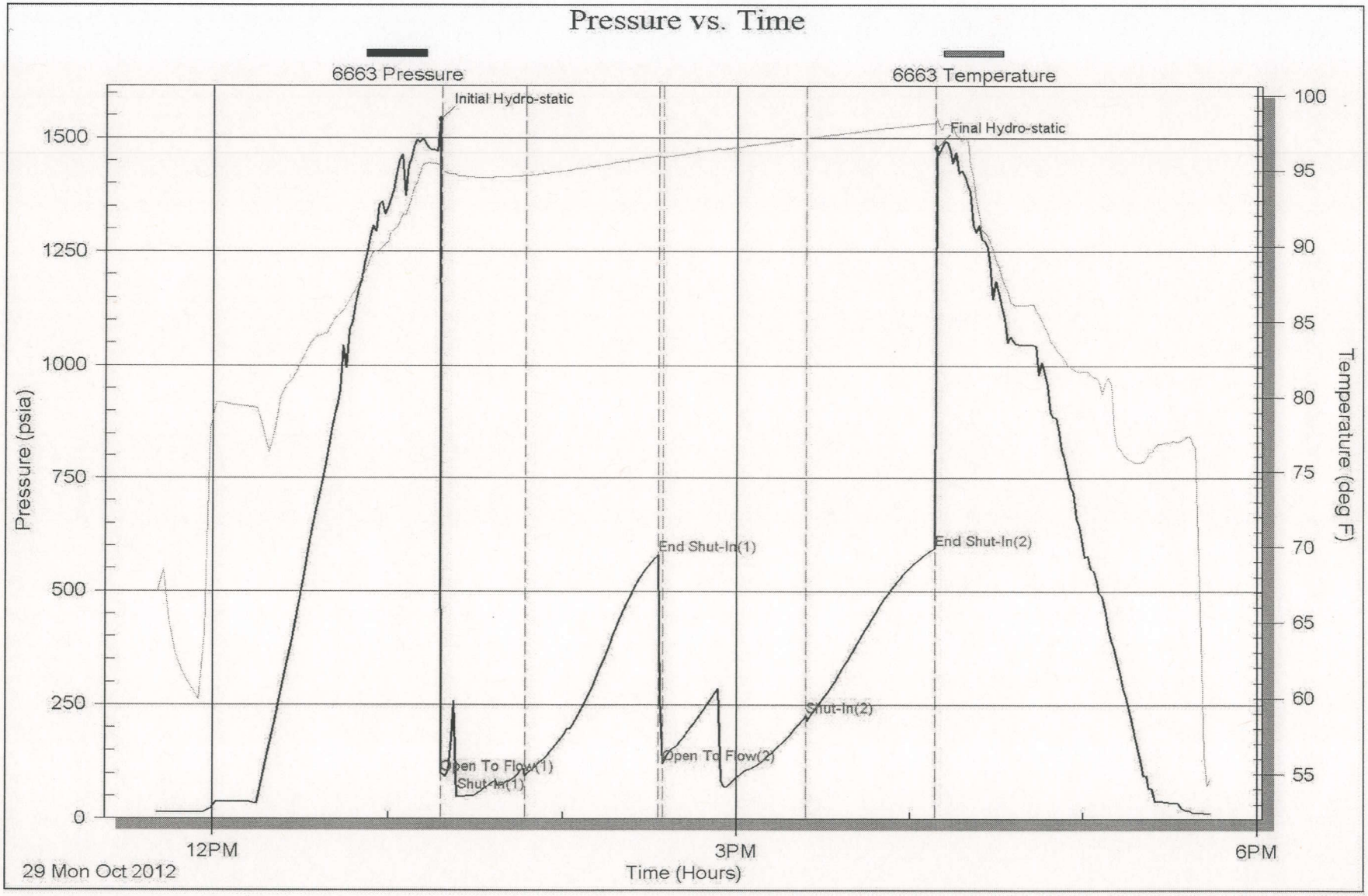
Recovery

Length (ft)	Description	Volume (bbl)
26.00	Very Slightly oil cut mud 99% Mud 1% Oil	0.36

Gas Rates

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

Serial #: 6663 **Inside** Carrie Exploration & Development Thomas Farms C-3 DST Test Number: 1



Superior Testers Enterprises LLC Ref. No: 17862 Printed: 2012.10.30 @ 04:06:32