

# DRILL STEM TEST REPORT

Carrie Exploration & Development

**John Roth #C-2**

210 West 2nd Street  
Hays, Kansas 67601

**34-19s-11w**

Job Ticket: 17216

**DST#: 5**

ATTN: Herb Deines

Test Start: 2011.09.16 @ 10:45:00

## GENERAL INFORMATION:

Formation: **Kansas City "F"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 00:00:00  
 Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)  
 Tester: Gene Budig  
 Unit No: 3335-30

Interval: **3090.00 ft (KB) To 3126.00 ft (KB) (TVD)**  
 Total Depth: 3399.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1780.00 ft (KB)  
 1772.00 ft (CF)  
 KB to GR/CF: 8.00 ft

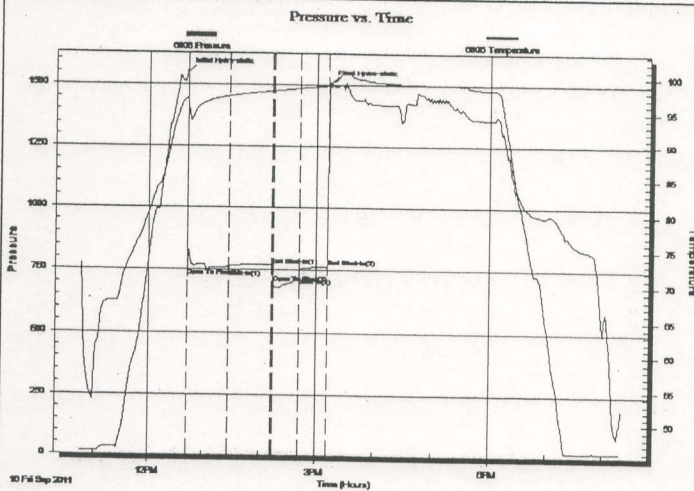
## Serial #: 6806

Inside

Press@RunDepth: 761.70 psia @ 3119.00 ft (KB)  
 Start Date: 2011.09.16 End Date: 2011.09.16  
 Start Time: 10:45:00 End Time: 20:21:00

Capacity: 5000.00 psia  
 Last Calib.: 2011.09.16  
 Time On Btm: 2011.09.16 @ 12:42:00  
 Time Off Btm: 2011.09.16 @ 15:14:00

TEST COMMENT: 1st Opening 45 Minutes-Strong blow w with gas to surface in 24 minutes  
 1st Shut-In 45 Minutes-Fair blow back  
 2nd Opening 30 Minutes-Strong blow see gas report  
 2nd Shut-In 30 Minutes-Fair blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1548.89	96.94	Initial Hydro-static
1	720.52	96.77	Open To Flow (1)
46	749.09	97.22	Shut-In(1)
91	767.64	97.98	End Shut-In(1)
93	696.38	97.98	Open To Flow (2)
120	718.24	98.35	Shut-In(2)
151	761.70	98.72	End Shut-In(2)
152	1506.17	98.94	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
2925.00	Clean Gassy Oil Gravity 41 Corrected	41.03
0.00	20% Gas 80% Oil	0.00

## Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.50	4.15	28.00
Last Gas Rate	0.75	5.90	92.16
Max. Gas Rate	0.75	5.90	92.16