



DRILL STEM TEST REPORT

Carrie Exploration & Development
 210 W 22nd Street Hays KS 67601
 ATTN: Herb Deines

25-19-11w Barton
H. Roth #c-1
 Job Ticket: 18732 **DST#: 3**
 Test Start: 2012.01.23 @ 17:57:00

GENERAL INFORMATION:

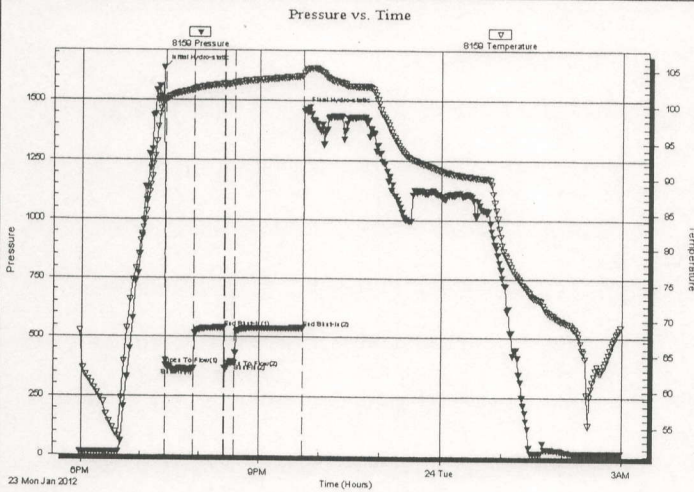
Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:26:00
 Time Test Ended: 02:59:00
 Interval: **3077.00 ft (KB) To 3438.00 ft (KB) (TVD)**
 Total Depth: 3438.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Straddle (Initial)
 Tester: Jared Scheck
 Unit No: 3320-GB-40
 Reference Elevations: 1779.00 ft (KB)
 1771.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8159

Press@RunDepth: 387.28 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.01.23 End Date: 2012.01.24 Last Calib.: 2012.01.24
 Start Time: 17:57:00 End Time: 02:59:00 Time On Btm: 2012.01.23 @ 19:24:00
 Time Off Btm: 2012.01.23 @ 21:45:00

TEST COMMENT: 1st Opening 30 Minutes-Strong blow built bottom of bucket in 8 sec Gas to surface 8 minutes see gas report
 1st Shut-in 30 Minutes-Yes blow back
 2nd Opening 12 Minutes-Strong blow built bottom of bucket in 8 sec
 2nd Shut-in 60 Minutes-Yes blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1632.51	100.70	Initial Hydro-static
30 2	378.15	100.84	Open To Flow (1)
30 31	366.08	102.28	Shut-In(1)
30 61	538.39	103.06	End Shut-In(1)
10 62	365.44	103.01	Open To Flow (2)
70 72	387.28	103.19	Shut-In(2)
60 140	537.76	104.19	End Shut-In(2)
141	1455.93	104.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Gassy oil cut muddy water	0.84
0.00	10%gas 60%oil 30%mud 5%w ater	0.00
60.00	Muddy oil 10%gas 10%oil 80% mud	0.84
120.00	Mudy oil cut w ater	1.68
0.00	15%gas 15%oil 50%mud 205w ater	0.00
0.00	Chlorides 30,000	0.00

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	1.00	38.50	1106.83
Last Gas Rate	1.00	38.50	1106.83