

DRILL STEM TEST REPORT

Carrie Exploration Development
 210 West 22nd Street
 Hays, Kans
 67601as
 ATTN: Herb Deines

34/ 19S/ 11W Barton Co

Thomas Farms #C-2

Job Ticket: 18827 **DST#: 1**
 Test Start: 2012.01.29 @ 07:15:00

GENERAL INFORMATION:

Formation: **Lansing "A+B" Zones**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:07:00

Time Test Ended: 13:42:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dylan E Ellis

Unit No: 3345/Great Bend/33

Interval: **3028.00 ft (KB) To 3070.00 ft (KB) (TVD)**

Total Depth: 3070.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1779.00 ft (KB)

1771.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6666 Outside

Press@RunDepth: 145.53 psia @ 3066.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.01.29

End Date: 2012.01.30

Last Calib.: 2012.01.30

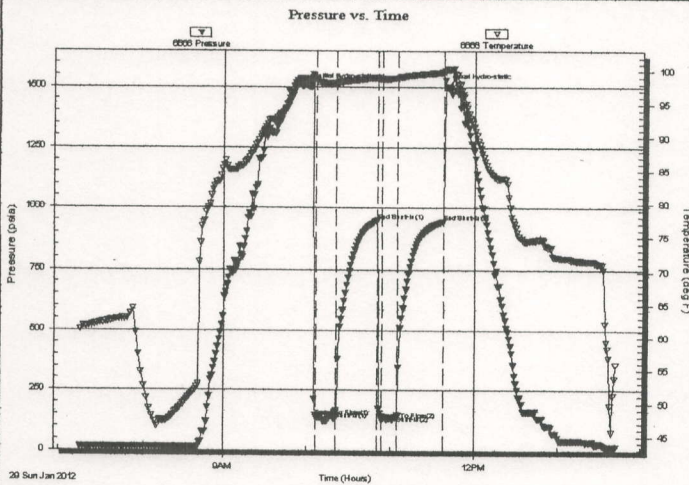
Start Time: 07:15:00

End Time: 13:42:00

Time On Btm: 2012.01.29 @ 10:01:30

Time Off Btm: 2012.01.29 @ 11:39:30

TEST COMMENT: 1ST Opening 15 Minutes very strong blow/blow blew to bottom of bucket in 20 seconds
 1ST Shut-in 30 Minutes no blow back
 2ND Opening 15 Minutes very very strong blow/blow blew to bottom of bucket instantly
 2ND Shut-in 30 Minutes no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1499.40	98.80	Initial Hydro-static
6	139.12	98.72	Open To Flow (1)
20	163.63	98.13	Shut-in(1)
49	948.52	98.96	End Shut-in(1)
53	127.08	98.75	Open To Flow (2)
64	145.53	98.89	Shut-in(2)
96	943.68	99.78	End Shut-in(2)
98	1497.36	100.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	Mud 100%	0.88
126.00	Oil cut Mud	1.77
0.00	10% Oil 90% Mud	0.00
63.00	Gas cut Oilly Mud mixture	0.88
0.00	30% Gas 70% Oilly-Mud Mixture	0.00
63.00	Light Water cut Muddy Oil Mixture	0.88

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.50	16.70	112.65
Last Gas Rate	0.50	21.00	141.66
Max. Gas Rate	0.50	21.00	141.66