

DRILL STEM TEST REPORT

Bird Dog Oil L.L.C
 1801 Broadway Ste # Denver CO 80202
 ATTN: Adam Nighthwanger

18-19-10w Rice
Lakin-Wendel #1-18
 Job Ticket: 19327 DST#: 1
 Test Start: 2014.07.29 @ 05:30:00

GENERAL INFORMATION:

Formation: **Lansing "A-B"**
 Deviated: **No Whipstock** ft (KB)
 Time Tool Opened: 06:59:30
 Time Test Ended: 11:17:00
 Interval: **3022.00 ft (KB) To 3074.00 ft (KB) (TVD)**
 Total Depth: **3074.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: Fair

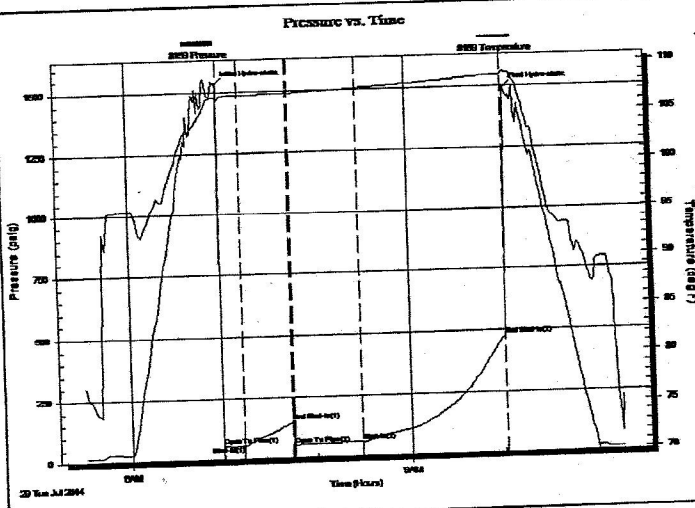
Test Type: **Conventional Bottom Hole (Initial)**
 Tester: **Jared Scheck**
 Unit No: **3330-**
 Reference Elevations: **1780.00 ft (KB)**
 1772.00 ft (CF)
 KB to GR/CF: **8.00 ft**

Serial #: 8159

Press@RunDepth: **59.88 psig @** ft (KB)
 Start Date: **2014.07.29** End Date: **2014.07.29**
 Start Time: **05:30:00** End Time: **11:17:00**

Capacity: **5000.00 psig**
 Last Calib.: **2014.07.29**
 Time On Btm: **2014.07.29 @ 06:58:30**
 Time Off Btm: **2014.07.29 @ 10:03:00**

TEST COMMENT: 1st Open 15 Minutes-Weak but building blow built 4 inches into water in 15 minutes
 1st Shut-in 30 Minutes-No blow back
 2nd Opening 45 Minutes-Weak blow built 10 inches into water in 45 minutes
 2nd Shut-in 90 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1531.57	106.93	Initial Hydro-static
1	56.46	106.59	Open To Flow (1)
15	55.66	107.14	Shut-In (1)
46	148.80	107.29	End Shut-In (1)
47	53.00	107.26	Open To Flow (2)
90	59.88	107.64	Shut-In (2)
183	477.50	108.70	End Shut-In (2)
185	1492.78	108.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	spot oil mud 1%oil 99%mud	0.28

Gas Rates

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

