

**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Raney Oil CO., LLC

13-10-20, Rooks, KS

3425 Tam O'shanter  
Lawrence KS 66047

**Sutor #B-5**

Job Ticket: 43594

DST#: 1

ATTN: Duane Stecklein

Test Start: 2012.10.09 @ 04:30:00

## GENERAL INFORMATION:

Formation: **KC "H-K"**

Deviated: **No Whipstock:** ft (KB)

Time Tool Opened: 07:52:00

Time Test Ended: 11:21:30

Test Type: **Conventional Bottom Hole (Initial)**

Tester: **Brett Dickinson**

Unit No: **59**

Interval: **3571.00 ft (KB) To 3646.00 ft (KB) (TVD)**

Total Depth: **3646.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2213.00 ft (KB)**

**2208.00 ft (CF)**

KB to GR/CF: **5.00 ft**

**Serial #: 8319**

**Outside**

Press@RunDepth: **90.39 psig @ 3572.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2012.10.09**

End Date:

**2012.10.09**

Last Calib.:

**2012.10.09**

Start Time: **04:30:00**

End Time:

**11:21:30**

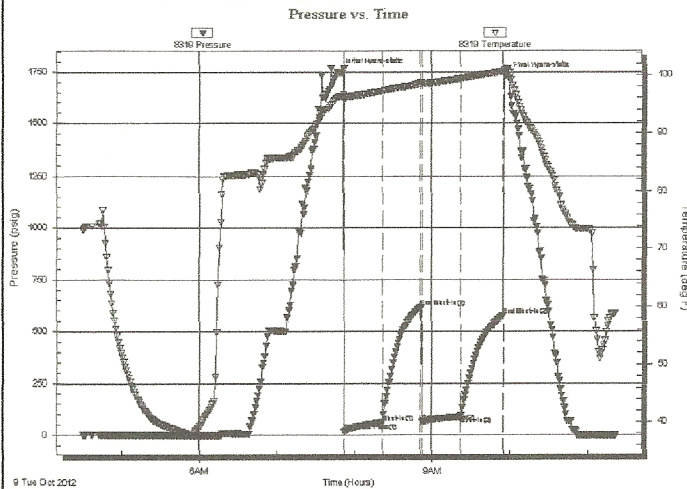
Time On Btm:

**2012.10.09 @ 07:48:30**

Time Off Btm:

**2012.10.09 @ 09:57:30**

**TEST COMMENT:** IF-7in blow  
ISI-No blow  
FF-2.25in blow  
FSI-No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1747.26	96.22	Initial Hydro-static
4	19.03	95.64	Open To Flow (1)
33	62.24	97.25	Shut-In(1)
63	614.66	98.63	End Shut-In(1)
64	66.48	98.53	Open To Flow (2)
94	90.39	99.39	Shut-In(2)
126	575.17	100.68	End Shut-In(2)
129	1730.19	101.19	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	VSOMCW 5%O 40%M 55%W	0.42
60.00	VSOWCM 5%O 5%W 90%M	0.42
20.00	VSOCM 5%O 95%M	0.14

## Gas Rates

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