



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Edison Oper. Co. LLC
 8100 E. 22nd St. N. Bldg. 1900
 Wichita, KS 67226
 ATTN: Adam Nighswonger

20-20s-10w Rice Co. KS
Bayer 2-20
 Job Ticket: 52474 **DST#: 2**
 Test Start: 2013.11.18 @ 19:30:22

GENERAL INFORMATION:

Formation: **LKC G**
 Deviated: No Whipstock: 0.00 ft (KB)
 Time Tool Opened: 21:13:07
 Time Test Ended: 01:44:52
 Interval: **3070.00 ft (KB) To 3087.00 ft (KB) (TVD)**
 Total Depth: 3087.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ryan Reynolds
 Unit No: 48
 Reference Elevations: 1741.00 ft (KB)
 1735.00 ft (CF)
 KB to GR/CF: 6.00 ft

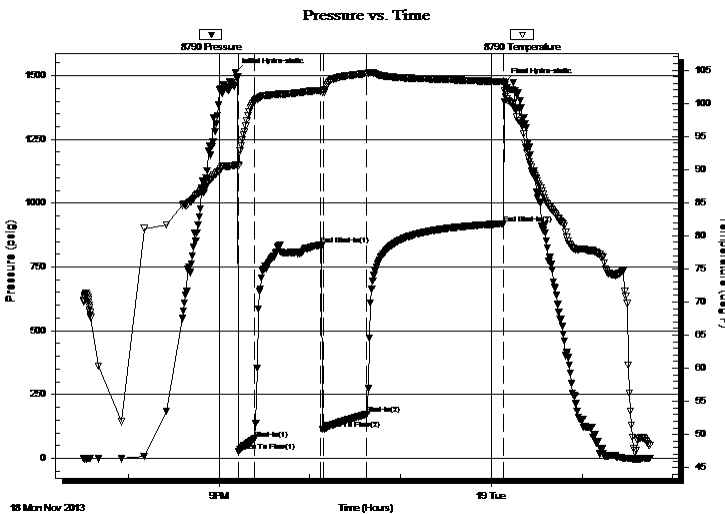
Serial #: 8790

Inside

Press @ Run Depth: 172.76 psig @ 3071.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.18 End Date: 2013.11.19 Last Calib.: 2013.11.19
 Start Time: 19:30:27 End Time: 01:44:51 Time On Btm: 2013.11.18 @ 21:10:52
 Time Off Btm: 2013.11.19 @ 00:08:52

TEST COMMENT: IF: Good blow . 1/2" - 9"
 IS: No blow
 FF: Strong blow . 1/2" - BOB @ 20min.
 FS: Weak surf. bb.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1512.68	90.69	Initial Hydro-static
3	28.14	90.59	Open To Flow (1)
13	76.25	100.27	Shut-In(1)
57	836.35	101.96	End Shut-In(1)
58	112.88	101.66	Open To Flow (2)
87	172.76	104.48	Shut-In(2)
178	920.16	103.29	End Shut-In(2)
178	1471.62	101.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
245.00	VSLI OCMW trc%oil, 20%mud, 80%w tr	1.24
90.00	OGCMW 2%oil, 5%gas, 30%mud, 63%w	11.26
0.00	60' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Edison Oper. Co. LLC

20-20s-10w Rice Co. KS

8100 E. 22nd St. N. Bldg. 1900
Wichita, KS 67226

Bayer 2-20

Job Ticket: 52474

DST#: 2

ATTN: Adam Nighswonger

Test Start: 2013.11.18 @ 19:30:22

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 42.00 sec/qt
Water Loss: 8.78 in³
Resistivity: ohm.m
Salinity: 5500.00 ppm
Filter Cake: 0.02 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: 73000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
245.00	VSLI OCMW trc%oil, 20%mud, 80%w tr	1.241
90.00	OGCMW 2%oil, 5%gas, 30%mud, 63%w tr	1.262
0.00	60' GIP	0.000

Total Length: 335.00 ft Total Volume: 2.503 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

