



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Russell Oil, Inc.
 PO Box 8050
 Edmond, OK 73083
 ATTN: Kitt Noah

28-15s-34w-Logan/KS

Deanna 'E' #1-28

Job Ticket: 45400

DST#: 4

Test Start: 2012.02.19 @ 21:52:00

GENERAL INFORMATION:

Formation: **Altamont-C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:17:40

Time Test Ended: 06:57:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 37

Interval: 4359.00 ft (KB) To 4393.00 ft (KB) (TVD)

Reference Elevations: 3052.00 ft (KB)

Total Depth: 4393.00 ft (KB) (TVD)

3042.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8018

Inside

Press @ Run Depth: 119.74 psig @ 4360.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.02.19

End Date:

2012.02.20

Last Calib.:

2012.02.20

Start Time: 21:52:02

End Time:

06:57:30

Time On Btm:

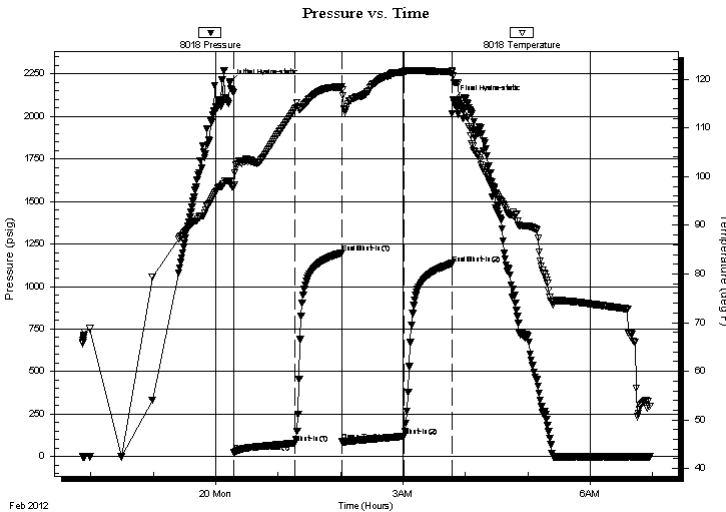
2012.02.20 @ 00:13:40

Time Off Btm:

2012.02.20 @ 03:48:09

TEST COMMENT: B.O.B. 52 min
 1/2 inch return
 11 inch blow
 2 inch return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2195.75	98.88	Initial Hydro-static
4	23.64	98.20	Open To Flow (1)
63	79.08	113.90	Shut-In(1)
108	1198.30	118.44	End Shut-In(1)
108	88.18	117.85	Open To Flow (2)
168	119.74	121.65	Shut-In(2)
214	1134.97	121.50	End Shut-In(2)
215	2101.29	120.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	OCM 10o 90m	0.86
60.00	O 100o	0.84
90.00	GO 30g 70o	1.26
0.00	90 Feet weak GIP	0.00

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

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DST#: 4

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Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

25 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.60 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
120.00	OCM 10o 90m	0.863
60.00	O 100o	0.842
90.00	GO 30g 70o	1.262
0.00	90 Feet weak GIP	0.000

Total Length: 270.00 ft Total Volume: 2.967 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API 23 @ 40 degrees F =25

