



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Ritchie Exploration INC

Po Box 783188
Wichita KS 67278

ATTN: Dave Williams

Scott 25c#1

Job Ticket: 47736

DST#: 3

Test Start: 2012.05.02 @ 00:33:17

GENERAL INFORMATION:

Formation: **Morrow/Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:24:17

Time Test Ended: 08:05:32

Test Type: Conventional Bottom Hole (Reset)

Tester: Chris Staats

Unit No: 47

Interval: 5323.00 ft (KB) To 5388.00 ft (KB) (TVD)

Reference Elevations: 2601.00 ft (KB)

Total Depth: 5388.00 ft (KB) (TVD)

2590.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 6773 Outside

Press @ Run Depth: 51.82 psig @ 5324.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.05.02 End Date: 2012.05.02

Last Calib.: 2012.05.02

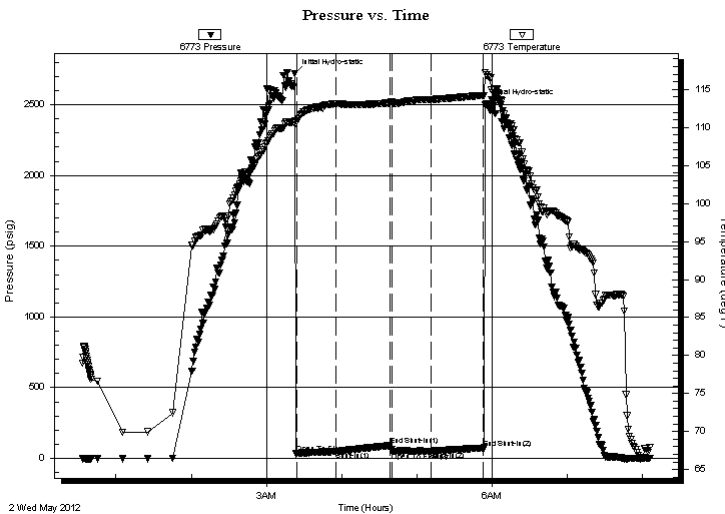
Start Time: 00:33:22 End Time: 08:05:31

Time On Btm: 2012.05.02 @ 03:22:32

Time Off Btm: 2012.05.02 @ 05:55:17

TEST COMMENT: IF: Weak blow 1"
IS: No blow back
FF: Weak blow 2"
FS: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2719.43	110.91	Initial Hydro-static
2	34.90	110.78	Open To Flow (1)
33	48.43	113.13	Shut-In(1)
76	90.67	113.22	End Shut-In(1)
78	46.35	113.23	Open To Flow (2)
109	51.82	113.66	Shut-In(2)
151	74.11	114.21	End Shut-In(2)
153	2505.38	116.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	Mud cut Gassy Oil 1% oil 5% gas 94%	1.26

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

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Test Start: 2012.05.02 @ 00:33:17

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 90.00 sec/qt

Water Loss: 17.99 in³

Resistivity: 0.00 ohm.m

Salinity: 13200.00 ppm

Filter Cake: 0.02 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	Mud cut Gassy Oil 1% oil 5% gas 94% mud	1.262

Total Length: 90.00 ft Total Volume: 1.262 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6773

Outside Ritchie Exploration INC

Scott 25c#1

DST Test Number: 3

