



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

BEREXCO L.L.C.

SEC.22 - 1S. - 36W RAWLINS CO.

2020 N. BRAMBLEWOOD
WICHITA KS. 67202

MICHEAL #5-22

Job Ticket: 54870

DST#: 1

ATTN: PETE VOLLYMEYER

Test Start: 2013.10.26 @ 17:10:00

GENERAL INFORMATION:

Formation: **"OREAD - LIMESTONE"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:13:40

Time Test Ended: 04:41:19

Test Type: Conventional Bottom Hole (Initial)

Tester: BOB HAMEL

Unit No: 41

Interval: 4008.00 ft (KB) To 4122.00 ft (KB) (TVD)

Reference Elevations: 3265.00 ft (KB)

Total Depth: 4122.00 ft (KB) (TVD)

3252.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 13.00 ft

Serial #: 6752

Press @ Run Depth: 686.76 psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.26

End Date: 2013.10.27

Last Calib.: 2013.10.27

Start Time: 17:10:01

End Time: 04:41:19

Time On Btm: 2013.10.26 @ 20:13:10

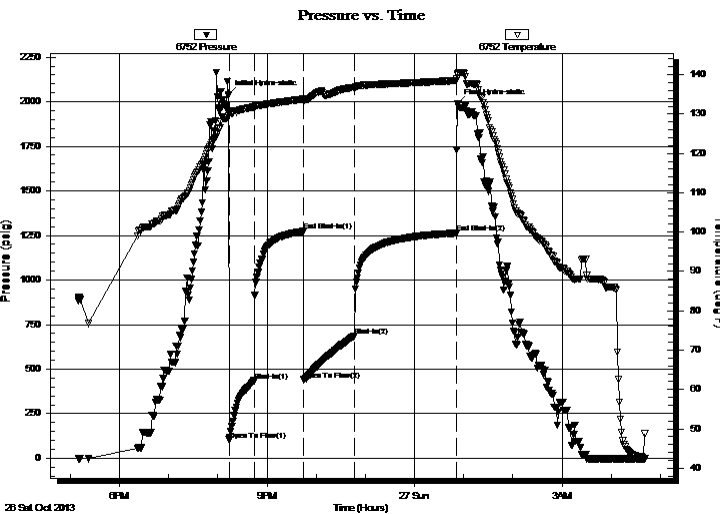
Time Off Btm: 2013.10.27 @ 00:52:09

TEST COMMENT: I.F. - 30 - 1/2 INT. BLOW BUILT TO B.O.B. IN 4 1/2 MIN.

I.S.I. - 60 - NO B.B.

F.F. - 60 - 1/4 INT. BLOW BUILT TO 4" THEN STARTED TO DIE OFF TO 1 1/2 IN 60 MIN.

F.S.I. - 120 - NO B.B.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2039.30	129.63	Initial Hydro-static
1	103.56	130.09	Open To Flow (1)
31	434.38	131.78	Shut-In(1)
92	1273.47	133.80	End Shut-In(1)
92	441.05	133.46	Open To Flow (2)
154	686.76	136.79	Shut-In(2)
279	1262.28	138.52	End Shut-In(2)
279	1990.34	140.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	SOSWCGM 5%OIL 15%WATER 20%GAS 0.91%MUD	2.14
372.00	SOCGM 10%OIL 20%GAS 70%MUD	2.61
186.00	SMCGO 5%MUD 15%GAS 80%OIL	12.02
857.00	CO 100%CLEAN OIL	

Gas Rates

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

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2020 N. BRAMBLEWOOD
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MICHEAL #5-22

Job Ticket: 54870

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ATTN: PETE VOLLYMEYER

Test Start: 2013.10.26 @ 17:10:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	SOSWCGM 5%OIL 15%WATER 20%GAS 60%	0.915
372.00	SOCGM 10%OIL 20%GAS 70%MUD	2.139
186.00	SMCGO 5%MUD 15%GAS 80%OIL	2.609
857.00	CO 100%CLEAN OIL	12.021

Total Length: 1601.00 ft

Total Volume: 17.684 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



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GAS RATES

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MICHEAL #5-22

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DST#: 1

ATTN: PETE VOLLYMEYER

Test Start: 2013.10.26 @ 17:10:00

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
		0.00	0.00	0.00