



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Double D's LLC

10-14s-19w Ellis, KS

133 E 12th
Hays, KS 67601

Gottschalk #1

Job Ticket: 55439

DST#: 1

ATTN: Al Downing

Test Start: 2013.12.17 @ 06:14:40

GENERAL INFORMATION:

Formation: **Lans. A-D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:50:55

Time Test Ended: 15:03:40

Test Type: Conventional Bottom Hole (Initial)

Tester: Brannan L

Unit No: 54

Interval: 3509.00 ft (KB) To 3585.00 ft (KB) (TVD)

Reference Elevations: 2209.00 ft (KB)

Total Depth: 3585.00 ft (KB) (TVD)

2203.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

Serial #: 8789

Inside

Press@RunDepth: 377.25 psig @ 3517.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.12.17

End Date:

2013.12.17

Last Calib.:

2013.12.17

Start Time: 06:14:42

End Time:

15:03:40

Time On Btm:

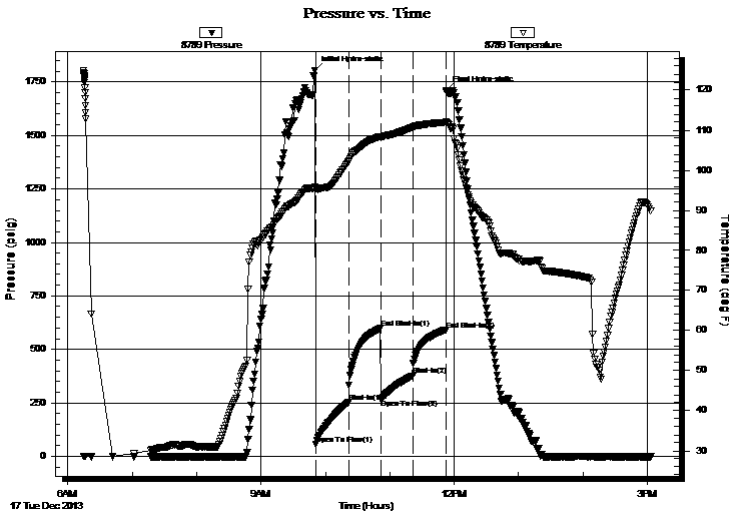
2013.12.17 @ 09:49:55

Time Off Btm:

2013.12.17 @ 11:52:25

TEST COMMENT: 30- IF- BOB 2mins
30- IS- Surface blow that died half way thru
30- FF- BOB 4mins
30- FS- Surface blow throughout

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1804.28	95.78	Initial Hydro-static
1	56.04	95.44	Open To Flow (1)
32	253.40	102.17	Shut-In(1)
62	598.44	108.42	End Shut-In(1)
62	267.38	108.35	Open To Flow (2)
92	377.25	110.68	Shut-In(2)
122	590.74	111.91	End Shut-In(2)
123	1708.81	112.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
350.00	GOWM, 15%G 20%O 25%W 40%M	4.78
445.00	MOW, 10%M 10%O 80%W	6.08
0.00	30' GIP	0.00

Gas Rates

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



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FLUID SUMMARY

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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:

80000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
350.00	GOWM, 15%G 20%O 25%W 40%M	4.781
445.00	MOW, 10%M 10%O 80%W	6.079
0.00	30' GIP	0.000

Total Length: 795.00 ft Total Volume: 10.860 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

