



Weatherford®

Completion Systems

DRILL STEM TEST REPORT

Prepared For: **Lotus Operating LLC**

100 S.Main ,Ste.420
Wichita Ks.67202

ATTN: Tim Hellman

7-29s-14w Pratt Ks.

Bergner#1

Start Date: 2011.06.18 @ 10:12:10

End Date: 2011.06.18 @ 20:08:25

Job Ticket #: 042505 DST #: 2

ALPINE OIL SERVICES CORPORATION
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Test Start: 2011.06.18 @ 10:12:10

GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:27:25

Time Test Ended: 20:08:25

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 56

Interval: 4556.00 ft (KB) To 4627.00 ft (KB) (TVD)

Reference Elevations: 2030.00 ft (KB)

Total Depth: 4627.00 ft (KB) (TVD)

2021.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 9.00 ft

Serial #: 8167 Inside

Press@RunDepth: 462.85 psig @ 4557.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.06.18 End Date: 2011.06.18

Last Calib.: 2011.06.18

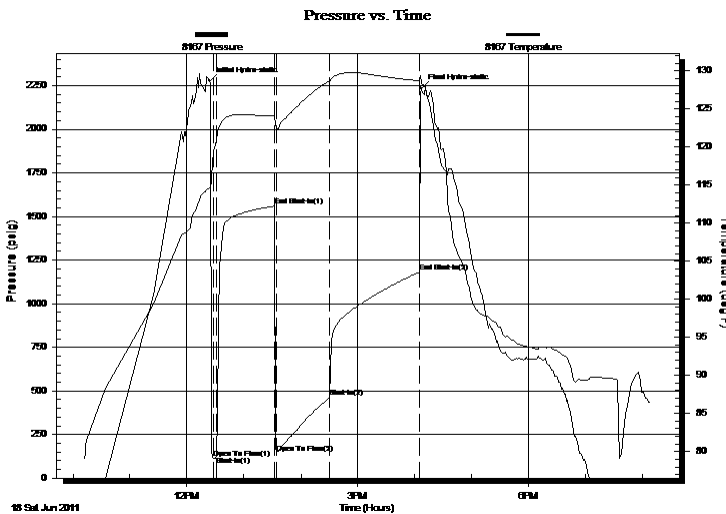
Start Time: 10:12:15 End Time: 20:08:25

Time On Btm: 2011.06.18 @ 12:23:55

Time Off Btm: 2011.06.18 @ 16:06:55

TEST COMMENT: IF:Strong blow . B.O.B. in 13 secs.
IS:GTS in 5 mins. No blow after bleeding off.
FF:Strong blow . (see gas flow report)
FS:Strong blow . B.O.B.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2274.56	114.67	Initial Hydro-static
4	115.98	118.69	Open To Flow (1)
7	123.49	120.95	Shut-In(1)
69	1560.08	124.10	End Shut-In(1)
71	140.42	122.46	Open To Flow (2)
127	462.85	128.65	Shut-In(2)
221	1180.04	128.70	End Shut-In(2)
223	2233.20	128.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GOCM 55%g 20%o 25%m	1.68
1390.00	CGO 33%g 67%o	19.50

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	5.00	30.78
Last Gas Rate	0.25	12.00	41.88
Max. Gas Rate	0.25	13.00	43.47



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FLUID SUMMARY

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DST#: 2

ATTN: Tim Hellman

Test Start: 2011.06.18 @ 10:12:10

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

42.2 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

7000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	GOCM 55%g 20%o 25%m	1.683
1390.00	CGO 33%g 67%o	19.498

Total Length: 1510.00 ft

Total Volume: 21.181 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #: gp-2

Laboratory Name:

Laboratory Location:

Recovery Comments:



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GAS RATES

Lotus Operating LLC

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Job Ticket: 042505

DST#: 2

ATTN: Tim Hellman

Test Start: 2011.06.18 @ 10:12:10

Gas Rates Information

Temperature: 59 deg C
 Relative Density: 0.65
 Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
2	10	0.25	5.00	30.78
2	20	0.25	7.00	33.95
2	30	0.25	11.00	40.30
2	40	0.25	13.00	43.47
2	50	0.25	13.00	43.47
2	60	0.25	12.00	41.88

