

DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

P O Box 723
Alma, Ne 68920-0723

ATTN: Jason Bach

27-6s-20w Rooks,Ks

Dellenbach #1

Start Date: 2010.09.26 @ 15:49:13

End Date: 2010.09.27 @ 00:40:38

Job Ticket #: 40150 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
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EM TEST REPORT

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Dellenbach #1

27-6s-20w Rooks,Ks

Job Ticket: 40150

DST#: 2

Test Start: 2010.09.26 @ 15:49:13

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GENERAL INFORMATION:

Formation: **LKC I-L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:13:08

Time Test Ended: 00:40:38

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

Interval: 3466.00 ft (KB) To 3560.00 ft (KB) (TVD)

Reference Elevations: 2123.00 ft (KB)

Total Depth: 3560.00 ft (KB) (TVD)

2118.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6625

Inside

Press@RunDepth: 168.32 psig @ 3473.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.09.26

End Date:

2010.09.27

Last Calib.: 2010.09.27

Start Time: 15:49:13

End Time:

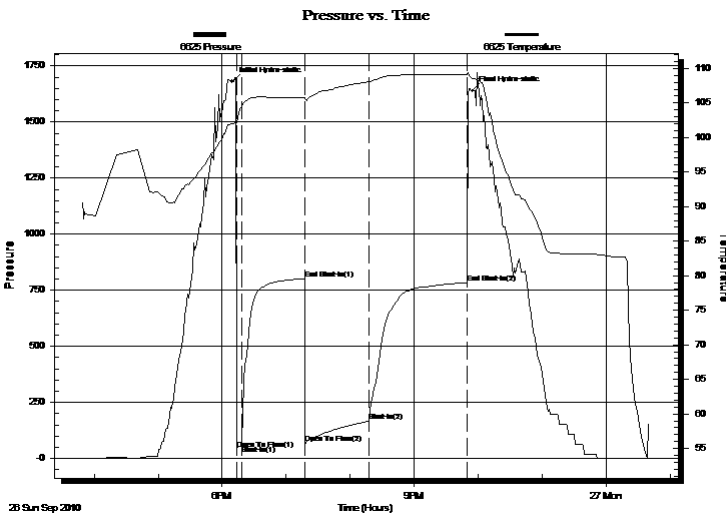
00:40:38

Time On Btm: 2010.09.26 @ 18:09:38

Time Off Btm: 2010.09.26 @ 21:54:37

TEST COMMENT: IFP-w k to strg in 4 min
ISIP-no bl bk
FFP-w k to strg in 4 min
FSIP-2 1/2" bl bk

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1680.28	101.99	Initial Hydro-static
4	43.21	102.11	Open To Flow (1)
9	60.77	104.36	Shut-In(1)
68	801.12	105.77	End Shut-In(1)
68	67.29	105.59	Open To Flow (2)
128	168.32	108.04	Shut-In(2)
220	782.97	109.04	End Shut-In(2)
225	1639.74	108.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	840'GIP	0.00
215.00	CO	3.02
186.00	MGO 20%G20%M60%O	2.61

Gas Rates

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

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Tool Information

Drill Pipe:	Length: 3458.00 ft	Diameter: 3.80 inches	Volume: 48.51 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	50000.00 lb
			<u>Total Volume: 48.51 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial	42000.00 lb
Depth to Top Packer:	3466.00 ft			Final	42000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	94.00 ft				
Tool Length:	115.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3446.00	
Shut In Tool	5.00			3451.00	
Hydraulic tool	5.00			3456.00	
Packer	5.00			3461.00	21.00 Bottom Of Top Packer
Packer	5.00			3466.00	
Stubb	1.00			3467.00	
Perforations	6.00			3473.00	
Recorder	0.00	6625	Inside	3473.00	
Recorder	0.00	8652	Outside	3473.00	
Blank Spacing	64.00			3537.00	
Perforations	20.00			3557.00	
Bullnose	3.00			3560.00	94.00 Bottom Packers & Anchor

Total Tool Length: 115.00

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Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 34 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.67 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 800.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	840'GIP	0.000
215.00	CO	3.016
186.00	MGO 20%G20%M60%O	2.609

Total Length: 401.00 ft Total Volume: 5.625 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

DST Test Number: 2

27-6s-20w Rooks,Ks

Bach Oil Production

Inside

Serial #: 6625

Pressure vs. Time

