



DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

P O Box 723
Alma NE 68920-0723

ATTN: Jason Bach

29-4s-20w Phillips

Becker Unit #1

Start Date: 2011.06.09 @ 19:30:21

End Date: 2011.06.10 @ 01:00:45

Job Ticket #: 43605 DST #: 1

Trilobite Testing, Inc
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TESTING, INC**

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Bach Oil Production
P O Box 723
Alma NE 68920-0723
ATTN: Jason Bach

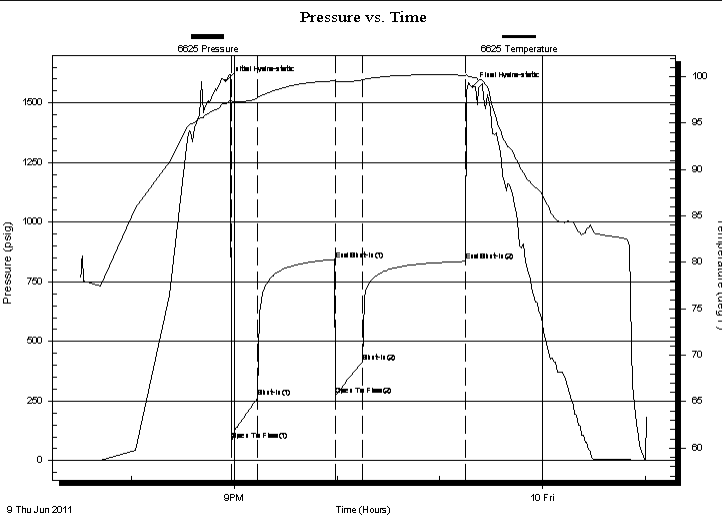
Becker Unit #1
29-4s-20w Phillips
Job Ticket: 43605 **DST#: 1**
Test Start: 2011.06.09 @ 19:30:21

GENERAL INFORMATION:

Formation: **LKC B-D**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:58:16
Time Test Ended: 01:00:45
Interval: **3282.00 ft (KB) To 3328.00 ft (KB) (TVD)**
Total Depth: 3328.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition:
Test Type: Conventional Bottom Hole
Tester: Ray Schwager
Unit No: 42
Reference Elevations: 2061.00 ft (KB)
2056.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6625 Inside
Press @ Run Depth: 412.33 psig @ 3292.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.06.09 End Date: 2011.06.10 Last Calib.: 2011.06.10
Start Time: 19:30:21 End Time: 01:00:45 Time On Btm: 2011.06.09 @ 20:55:16
Time Off Btm: 2011.06.09 @ 23:19:16

TEST COMMENT: 15-IFP-strg bl in 1 min
45-ISIP-surface bl bk
15-FFP-strg bl in 3 min
60-FSIP-no bl bk



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1592.51	97.14	Initial Hydro-static
3	85.43	97.38	Open To Flow (1)
19	264.20	97.73	Shut-In(1)
64	843.53	99.55	End Shut-In(1)
64	276.61	99.45	Open To Flow (2)
80	412.33	99.64	Shut-In(2)
140	835.96	100.15	End Shut-In(2)
144	1568.42	99.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	MW 20%M80%W w/show of oil	0.85
720.00	Water	10.10

Gas Rates

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



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TOOL DIAGRAM

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Tool Information

Drill Pipe:	Length: 3230.00 ft	Diameter: 3.80 inches	Volume: 45.31 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	55000.00 lb
			<u>Total Volume: 45.46 bbl</u>	Tool Chased	6.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial	42000.00 lb
Depth to Top Packer:	3282.00 ft			Final	46000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	46.00 ft				
Tool Length:	74.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:
slid tool approx 6'to bottom

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3255.00	
Shut In Tool	5.00			3260.00	
Hydraulic tool	5.00			3265.00	
Jars	5.00			3270.00	
Safety Joint	2.00			3272.00	
Packer	5.00			3277.00	28.00 Bottom Of Top Packer
Packer	5.00			3282.00	
Stubb	1.00			3283.00	
Perforations	9.00			3292.00	
Recorder	0.00	6625	Inside	3292.00	
Recorder	0.00	8700	Outside	3292.00	
Blank Spacing	33.00			3325.00	
Bullnose	3.00			3328.00	46.00 Bottom Packers & Anchor

Total Tool Length: 74.00



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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:	68000 ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.95 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
80.00	MW 20%M80%W w/show of oil	0.849
720.00	Water	10.100

Total Length: 800.00 ft Total Volume: 10.949 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: RW .11@73F

Pressure vs. Time

