



DRILL STEM TEST REPORT

Prepared For: **Bach Oil**

PO Box 723
Alma, NE. 68920

ATTN: Bob Peterson

27 6 20w Rooks, KS

Dewey #1

Start Date: 2011.04.11 @ 04:35:00

End Date: 2011.04.11 @ 10:00:00

Job Ticket #: 040764 DST #: 1

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



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TESTING, INC**

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Bach Oil
PO Box 723
Alma, NE. 68920
ATTN: Bob Peterson

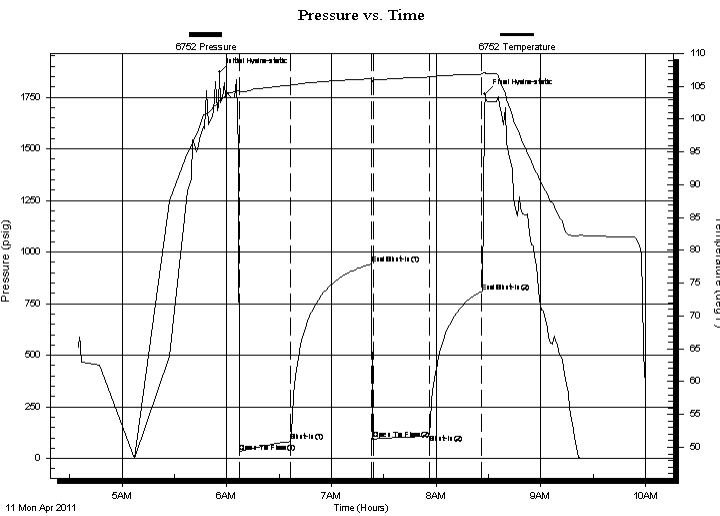
Dewey #1
27 6 20w Rooks, KS
Job Ticket: 040764 **DST#: 1**
Test Start: 2011.04.11 @ 04:35:00

GENERAL INFORMATION:

Formation: **LKC-J**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:07:00
Time Test Ended: 10:00:00
Interval: **3580.00 ft (KB) To 3725.00 ft (KB) (TVD)**
Total Depth: 3725.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Chuck Kreuzer Jr.
Unit No: 36
Reference Elevations: 2184.00 ft (KB)
2179.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6752 Inside
Press @ Run Depth: 114.44 psig @ 3581.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.04.11 End Date: 2011.04.11 Last Calib.: 2011.04.11
Start Time: 04:35:05 End Time: 09:59:59 Time On Btm: 2011.04.11 @ 05:56:00
Time Off Btm: 2011.04.11 @ 08:28:00

TEST COMMENT: IF: Weak blow built to 3 in. over 30 mins.
IS: No blow back over 45 mins.
FF: Weak blow after 10 mins. Built to 1/2 in. over 30 mins.
FS: No blow back over 45 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1870.05	102.85	Initial Hydro-static
11	28.34	104.23	Open To Flow (1)
41	82.64	105.16	Shut-In(1)
87	942.93	106.18	End Shut-In(1)
88	90.65	106.01	Open To Flow (2)
120	114.44	106.43	Shut-In(2)
150	808.22	106.88	End Shut-In(2)
152	1766.33	107.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	ocm-5%o95%m	1.16

Gas Rates

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



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TOOL DIAGRAM

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Job Ticket: 040764 **DST#: 1**
Test Start: 2011.04.11 @ 04:35:00

Tool Information

Drill Pipe:	Length: 3419.00 ft	Diameter: 3.80 inches	Volume: 47.96 bbl	Tool Weight:	2800.00 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: 150.00 ft	Diameter: 2.25 inches	Volume: 0.74 bbl	Weight to Pull Loose:	60000.00 lb
			<u>Total Volume: 48.70 bbl</u>	Tool Chased	2.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	3580.00 ft			Final	52000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	145.20 ft				
Tool Length:	173.20 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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Shut In Tool	5.00			3557.00	
Hydraulic tool	5.00			3562.00	
Jars	5.00			3567.00	
Safety Joint	3.00			3570.00	
Packer	5.00			3575.00	28.00 Bottom Of Top Packer
Packer	5.00			3580.00	
Stubb	1.00			3581.00	
Recorder	0.00	6752	Inside	3581.00	
Recorder	0.00	6741	Outside	3581.00	
Perforations	4.00			3585.00	
Change Over Sub	0.60			3585.60	
Blank Spacing	124.00			3709.60	
Change Over Sub	0.60			3710.20	
Perforations	12.00			3722.20	
Bullnose	3.00			3725.20	145.20 Bottom Packers & Anchor

Total Tool Length: 173.20



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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:	ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1000.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	ocm-5%o95%m	1.158

Total Length: 180.00 ft Total Volume: 1.158 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Pressure vs. Time

