



DRILL STEM TEST REPORT

Prepared For: **Bach Oil**

P.O. Box 723
Alma Ne.
68920

ATTN: Bob Peterson

Sec 35 Twp 1 Rge 19

Wayne Jackson #1

Start Date: 2010.06.30 @ 10:10:00

End Date: 2010.06.30 @ 16:09:30

Job Ticket #: 38297 DST #: 1

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

Bach Oil
Wayne Jackson #1
Sec 35 Twp 1 Rge 19
DST # 1
Twp/LKC
2010.06.30



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Bach Oil
 P.O. Box 723
 Alma Ne.
 68920
 ATTN: Bob Peterson

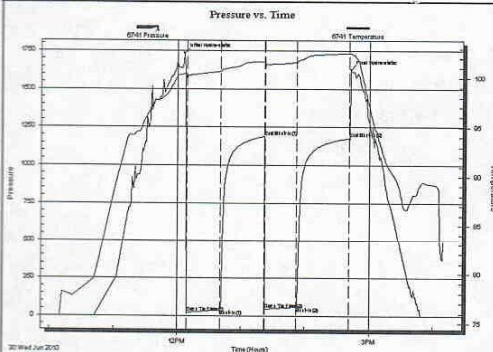
Wayne Jackson #1
Sec 35 Twp 1 Rge 19
 Job Ticket: 38297 DST#: 1
 Test Start: 2010.06.30 @ 10:10:00

GENERAL INFORMATION:

Formation: **Tor/LKC**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: 12:08:30
 Time Test Ended: 16:09:30
 Test Type: **Conventional Bottom Hole**
 Tester: **Chuck Kreutzer Jr.**
 Unit No: **36**
 Interval: **3346.00 ft (KB) To 3422.00 ft (KB) (TVD)**
 Total Depth: **3422.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 Reference Elevations: **2201.00 ft (KB)**
2194.00 ft (CF)
 KB to GRVCF: **7.00 ft**

Serial #: 6741 **Inside**
 Press@RunDepth: **59.33 psig @ 3351.00 ft (KB)**
 Start Date: **2010.06.30** End Date: **2010.06.30**
 Start Time: **10:10:01** End Time: **16:09:30**
 Capacity: **8000.00 psig**
 Last Calib.: **2010.06.30**
 Time On Btm: **2010.06.30 @ 12:06:00**
 Time Off Btm: **2010.06.30 @ 14:42:30**

TEST COMMENT: IF: Weak blow, built to 1 in. over 30 mins.
 IS: No blow back over 45 mins.
 FF: Weak surface blow over 30 mins.
 FS: No blow back over 45 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1733.97	100.38	Initial Hydro-static
3	21.54	99.78	Open To Flow (1)
35	40.90	100.66	Shut-In(1)
77	1190.61	101.68	End Shut-In(1)
77	47.60	101.06	Open To Flow (2)
106	59.33	101.58	Shut-In(2)
155	1177.88	102.50	End Shut-In(2)
157	1627.51	102.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	mud w ith oil specs	1.26

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil	Wayne Jackson #1
P.O. Box 723	Sec 35 Twp 1 Rge 19
Alma No. 68920	Job Ticket: 38297 DST#: 1
ATTN: Bob Peterson	Test Start: 2010.06.30 @ 10:10:00

Tool Information

Drill Pipe: Length: 3340.00 ft	Diameter: 3.80 inches	Volume: 46.85 bbl	Tool Weight: 1800.00 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: 45000.00 lb
		<u>Total Volume: 46.85 bbl</u>	Tool Chased 5.00 ft
Drill Pipe Above KB: 22.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer: 3346.00 ft			Final 30000.00 lb
Depth to Bottom Packer: ft			
Interval between Packers: 76.00 ft			
Tool Length: 104.00 ft			
Number of Packers: 2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3323.00	
Hydraulic tool	5.00			3328.00	
Jars	5.00			3333.00	
Safety Joint	3.00			3336.00	
Packer	5.00			3341.00	28.00 Bottom Of Top Packer
Packer	5.00			3346.00	
Stubb	1.00			3347.00	
Perforations	3.00			3350.00	
Change Over Sub	1.00			3351.00	
Recorder	0.00	6752	Inside	3351.00	
Recorder	0.00	6741	Inside	3351.00	
Blank Spacing	62.00			3413.00	
Change Over Sub	1.00			3414.00	
Perforations	5.00			3419.00	
Bullnose	3.00			3422.00	76.00 Bottom Packers & Anchor

Total Tool Length: 104.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil

Wayne Jackson #1

P.O. Box 723

Sec 35 Twp 1 Rge 19

Alma Ne.

Job Ticket: 38297

DST#: 1

68920

ATTN: Bob Peterson

Test Start: 2010.06.30 @ 10:10:00

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2600.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	mud with oil specs	1.262

Total Length: 90.00 ft Total Volume: 1.262 bbl

Num Fluid Samples: 0

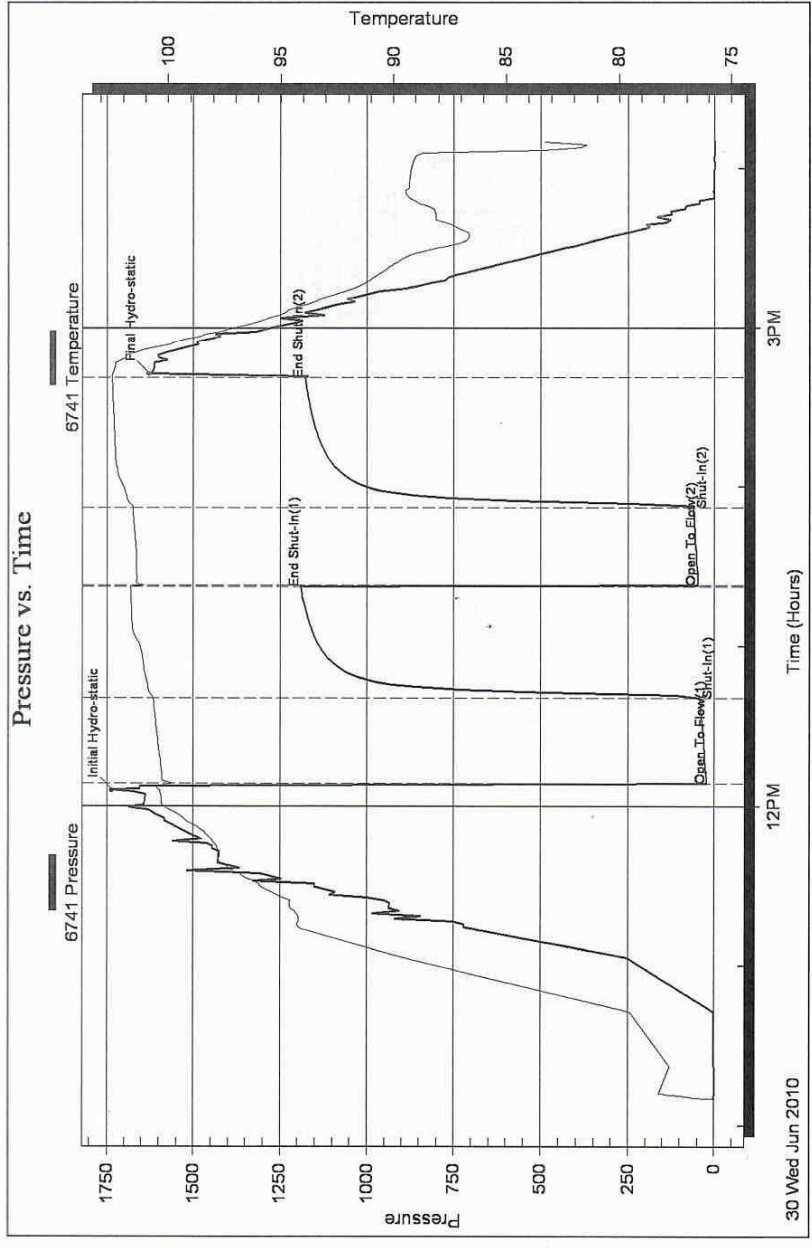
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Bach Oil**

P.O. Box 723
Alma Ne.
68920

ATTN: Bob Peterson

Sec 35 Twp 1 Rge 19

Wayne Jackson #1

Start Date: 2010.07.01 @ 03:50:00

End Date: 2010.07.01 @ 10:22:00

Job Ticket #: 38298 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Bach Oil

Wayne Jackson #1

Sec 35 Twp 1 Rge 19

DST # 2

LKC-B, D, F, G

2010.07.01



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TESTING, INC**

DRILL STEM TEST REPORT

Bach Oil
P.O. Box 723
Alma Ne.
68920
ATTN: Bob Peterson

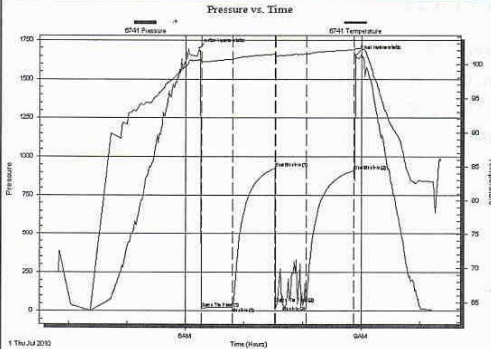
Wayne Jackson #1
Sec 35 Twp 1 Rge 19
Job Ticket: 38298 **DST#: 2**
Test Start: 2010.07.01 @ 03:50:00

GENERAL INFORMATION:

Formation: **LKC-B,D- F,G**
 Deviated: **No** Whipstock: ft (KB)
 Time Tool Opened: 06:16:30
 Time Test Ended: 10:22:00
 Interval: **3415.00 ft (KB) To 3508.00 ft (KB) (TVD)**
 Total Depth: **3508.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 Test Type: **Conventional Bottom Hole**
 Tester: **Chuck Kreutzer Jr.**
 Unit No: **36**
 Reference Elevations: **2201.00 ft (KB)**
2194.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 6741 **Inside**
 Press@RunDepth: **31.05 psig @ 3420.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2010.07.01** End Date: **2010.07.01** Last Calib.: **2010.07.01**
 Start Time: **03:50:01** End Time: **10:22:00** Time On Btm: **2010.07.01 @ 06:14:00**
 Time Off Btm: **2010.07.01 @ 08:53:30**

TEST COMMENT: IF: Weak blow, Died in 8 mins.
 IS: No blow back over 45 mins.
 FF: No blow over 30 mins.
 FST: No blow back over 45 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1697.75	100.67	Initial Hydro-static
3	20.05	100.35	Open To Flow (1)
34	24.22	100.73	Shut-In(1)
78	924.44	101.47	End Shut-In(1)
79	48.55	101.06	Open To Flow (2)
110	31.05	101.43	Shut-In(2)
158	910.67	102.08	End Shut-In(2)
160	1654.34	102.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbt)
30.00	mud w ith oil specs	0.42

Gas Rates

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



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DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil
P.O. Box 723
Alma Ne.
68920
ATTN: Bob Peterson

Wayne Jackson #1
Sec 35 Twp 1 Rge 19
Job Ticket: 38298 DST#: 2
Test Start: 2010.07.01 @ 03:50:00

Tool Information

Drill Pipe:	Length: 3394.00 ft	Diameter: 3.80 inches	Volume: 47.61 bbl	Tool Weight:	1800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	35000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	28000.00 lb
			Total Volume: 47.61 bbl	Tool Chased	1.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial	30000.00 lb
Depth to Top Packer:	3415.00 ft			Final	30000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	93.00 ft				
Tool Length:	121.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3392.00	
Hydraulic tool	5.00			3397.00	
Jars	5.00			3402.00	
Safety Joint	3.00			3465.00	
Packer	5.00			3410.00	28.00 Bottom Of Top Packer
Packer	5.00			3415.00	
Stubb	1.00			3416.00	
Perforations	3.00			3419.00	
Change Over Sub	1.00			3420.00	
Recorder	0.00	6752	Inside	3420.00	
Recorder	0.00	6741	Inside	3420.00	
Blank Spacing	62.00			3482.00	
Change Over Sub	1.00			3483.00	
Perforations	22.00			3505.00	
Bullnose	3.00			3508.00	93.00 Bottom Packers & Anchor
Total Tool Length:	121.00				



TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil

Wayne Jackson #1

P.O. Box 723

Sec 35 Twp 1 Rge 19

Alma Ne.

Job Ticket: 38298

DST#: 2

68920

Test Start: 2010.07.01 @ 03:50:00

ATTN: Bob Peterson

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.17 in²

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2600.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	mud w ith oil specs	0.421

Total Length: 30.00 ft Total Volume: 0.421 bbl

Num Fluid Samples: 0

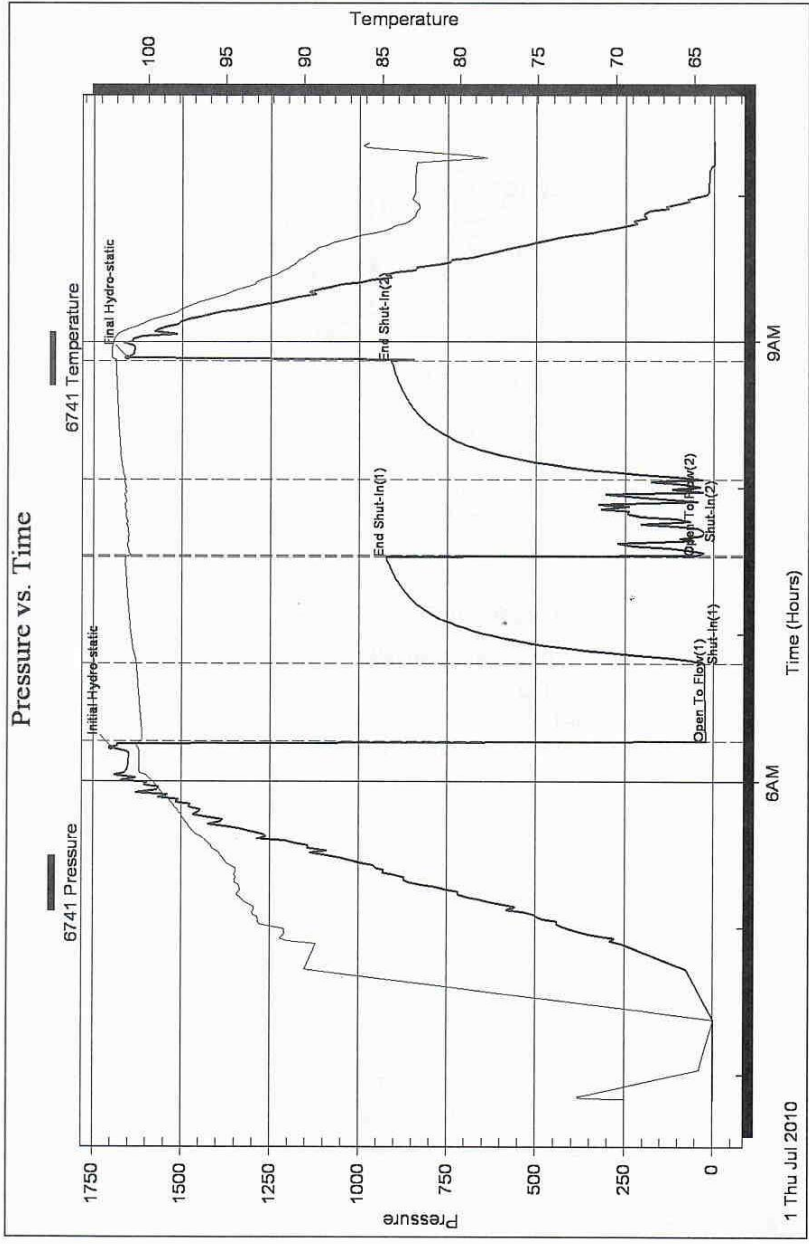
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Bach Oil**

P.O. Box 723
Alma Ne.
68920

ATTN: Bob Peterson

Sec 35 Twp 1 Rge 19

Wayne Jackson #1

Start Date: 2010.07.01 @ 18:30:00

End Date: 2010.07.02 @ 01:42:30

Job Ticket #: 38299 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Bach Oil

Wayne Jackson #1

Sec 35 Twp 1 Rge 19

DST # 3

LKC-LJ

2010.07.01



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Bach Oil

Wayne Jackson #1

P.O. Box 723

Sec 35 Twp 1 Rge 19

Alma Ne.

68920

Job Ticket: 38299

DST#: 3

ATTN: Bob Peterson

Test Start: 2010.07.01 @ 18:30:00

GENERAL INFORMATION:

Formation: LKC-I,J
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:00:00
 Time Test Ended: 01:42:30

Test Type: Conventional Bottom Hole
 Tester: Chuck Kreutzer Jr.
 Unit No: 36

Interval: 3535.00 ft (KB) To 3575.00 ft (KB) (TVD)
 Total Depth: 3575.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2201.00 ft (KB)
 2194.00 ft (CF)
 KB to GR/CF: 7.00 ft

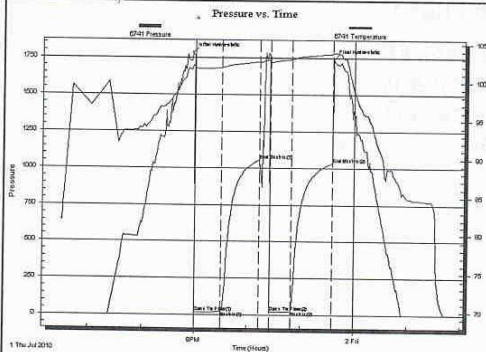
Serial #: 6741

Inside

Press@RunDepth: 27.05 psig @ 3536.00 ft (KB)
 Start Date: 2010.07.01 End Date: 2010.07.02
 Start Time: 18:30:01 End Time: 01:42:30

Capacity: 8000.00 psig
 Last Calib.: 2010.07.02
 Time On Btm: 2010.07.01 @ 20:57:30
 Time Off Btm: 2010.07.01 @ 23:36:30

TEST COMMENT: IF: Weak surface blow, Died in 5 mins.
 IS: No blow back over 45 mins.
 FF: Flushed tool, Weak blow, Died in 1 min.
 FS: No blow back over 45 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1783.18	101.83	Initial Hydro-static
3	19.18	101.18	Open To Flow (1)
33	22.24	101.89	Shut-In(1)
77	1056.25	102.68	End Shut-In(1)
89	24.14	102.54	Open To Flow (2)
112	27.05	102.98	Shut-In(2)
158	1033.64	103.69	End Shut-In(2)
159	1741.69	103.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	mco-40%o60%m-5 ft. free oil	0.28

Gas Rates

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



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DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil
P.O. Box 723
Alma Ne.
68920
ATTN: Bob Peterson

Wayne Jackson #1
Sec 35 Twp 1 Rge 19
Job Ticket: 38299 DST#: 3
Test Start: 2010.07.01 @ 18:30:00

Tool Information

Drill Pipe:	Length: 3524.00 ft	Diameter: 3.80 inches	Volume: 49.43 bbl	Tool Weight: 1800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 40000.00 lb
			Total Volume: 49.43 bbl	Tool Chased 2.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	3535.00 ft			Final 30000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	40.00 ft			
Tool Length:	68.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3512.00	
Hydraulic tool	5.00			3517.00	
Jars	5.00			3522.00	
Safety Joint	3.00			3525.00	
Packer	5.00			3530.00	28.00 * Bottom Of Top Packer
Packer	5.00			3535.00	
Stubb	1.00			3536.00	
Recorder	0.00	6752	Inside	3536.00	
Recorder	0.00	6741	Inside	3536.00	
Perforations	36.00			3572.00	
Bullnose	3.00			3575.00	40.00 Bottom Packers & Anchor
Total Tool Length:	68.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil
P.O. Box 723
Alma Ne.
68920
ATTN: Bob Peterson

Wayne Jackson #1
Sec 35 Twp 1 Rge 19
Job Ticket: 38299 DST#: 3
Test Start: 2010.07.01 @ 18:30:00

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: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.18 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2600.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	mco-40%o60%m-5 ft. free oil	0.281

Total Length: 20.00 ft Total Volume: 0.281 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

