



## DRILL STEM TEST REPORT

Prepared For: **L.B EXPLORATION INC**

2135 2ND RD  
HOLYROOD KS 67450

ATTN: JOSH AUSTIN

**36-18S-15W-BARTON**

**HISS #2**

Start Date: 2010.06.26 @ 02:45:00

End Date: 2010.06.26 @ 09:45:30

Job Ticket #: 1101                      DST #: 1

Eagle Testers LLC.

P.O.Box 1011, Great Bend, KS 67530

620-617-7548

Printed: 2010.06.26 @ 02:54:54

L.B EXPLORATION INC  
HISS #2  
36-18S-15W-BARTON  
DST # 1  
LKC A-F  
2010.06.26



# DRILL STEM TEST REPORT

L.B EXPLORATION INC

HISS #2

2135 2ND RD  
HOLYROOD KS 67450

36-18S-15W-BARTON

ATTN: JOSH AUSTIN

Job Ticket: 1101 **DST#: 1**

Test Start: 2010.06.26 @ 02:45:00

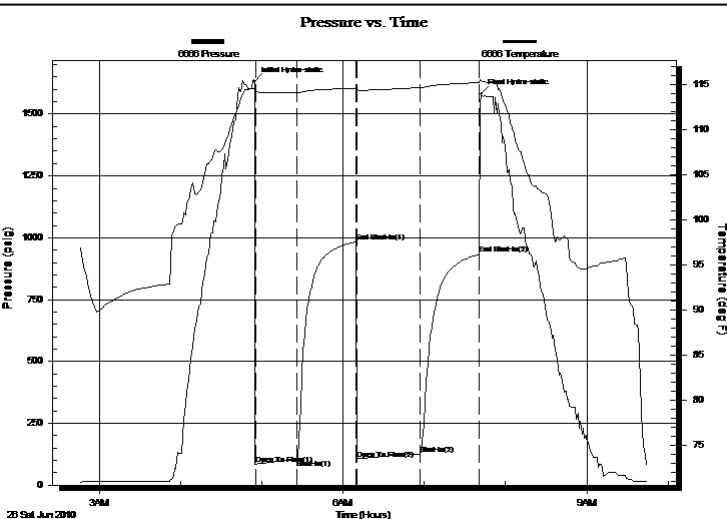
## GENERAL INFORMATION:

Formation: **LKC A-F**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 04:55:00  
 Time Test Ended: 09:45:30  
 Interval: **3225.00 ft (KB) To 3300.00 ft (KB) (TVD)**  
 Total Depth: 3300.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: DAVID NICHOLS  
 Unit No: 15 21 MGB  
 Reference Elevations: 1907.00 ft (KB)  
 1899.00 ft (CF)  
 KB to GR/CF: 8.00 ft

## Serial #: 6666

Press @ Run Depth: 126.12 psig @ ft (KB) Capacity: 5000.00 psig  
 Start Date: 2010.06.26 End Date: 2010.06.26 Last Calib.: 2010.06.26  
 Start Time: 02:45:00 End Time: 09:45:30 Time On Btm: 2010.06.26 @ 04:54:30  
 Time Off Btm: 2010.06.26 @ 07:42:00

TEST COMMENT: 30-INITIAL OPENING WEAK BUILDING BLOW BUILT TO 5 INCHES INTO WATER  
 45-INITIAL SHUT IN NO BLOW BACK  
 45-FINAL OPENING SURFACE BLOW THEN DIED AFTER 5 MINS  
 45-FINAL OPENING NO BLOW BACK



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1633.14	114.58	Initial Hydro-static
1	83.64	114.31	Open To Flow (1)
32	104.32	114.13	Shut-In(1)
76	983.49	114.64	End Shut-In(1)
76	105.94	114.48	Open To Flow (2)
123	126.12	114.69	Shut-In(2)
166	933.71	115.25	End Shut-In(2)
168	1581.20	115.50	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
140.00	MUD 100%M	0.69

## Gas Rates

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



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HISS #2

36-18S-15W-BARTON

Job Ticket: 1101

DST#: 1

Test Start: 2010.06.26 @ 02:45:00

## GENERAL INFORMATION:

Formation: **LKC A-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:55:00

Time Test Ended: 09:45:30

Interval: **3225.00 ft (KB) To 3300.00 ft (KB) (TVD)**

Total Depth: 3300.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 15 21 MGB

Reference Elevations: 1907.00 ft (KB)

1899.00 ft (CF)

KB to GR/CF: 8.00 ft

## Serial #: 6651

Press @ RunDepth: 934.83 psig @ ft (KB)

Capacity: 5000.00 psig

Start Date: 2010.06.26

End Date:

2010.06.26

Last Calib.:

2010.06.26

Start Time: 02:45:00

End Time:

09:47:30

Time On Btm:

2010.06.26 @ 04:55:00

Time Off Btm:

2010.06.26 @ 07:42:30

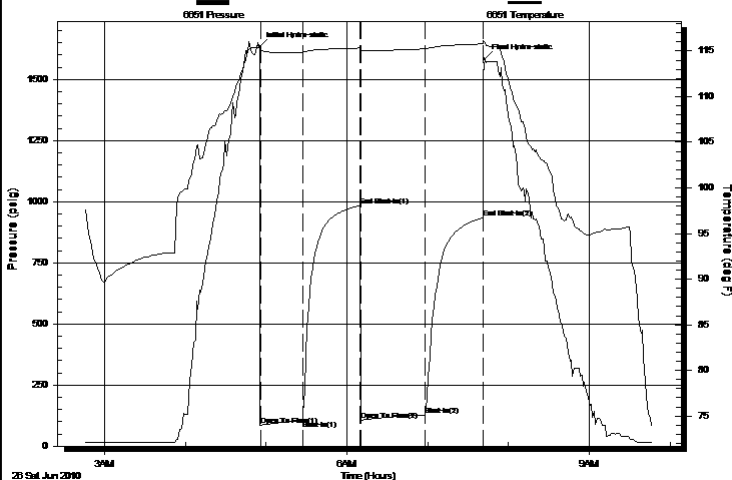
TEST COMMENT: 30-INITIAL OPENING WEAK BUILDING BLOW BUILT TO 5 INCHES INTO WATER

45-INITIAL SHUT IN NO BLOW BACK

45-FINAL OPENING SURFACE BLOW THEN DIED AFTER 5 MINS

45-FINAL OPENING NO BLOW BACK

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1635.43	115.38	Initial Hydro-static
1	85.38	115.04	Open To Flow (1)
32	105.78	114.84	Shut-In(1)
75	984.74	115.33	End Shut-In(1)
76	107.21	114.97	Open To Flow (2)
123	128.28	115.23	Shut-In(2)
166	934.83	115.78	End Shut-In(2)
168	1583.69	115.98	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
140.00	MUD 100%M	0.69

## Gas Rates

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



# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

L.B EXPLORATION INC

**HISS #2**

2135 2ND RD  
HOLYROOD KS 67450

**36-18S-15W-BARTON**

ATTN: JOSH AUSTIN

Job Ticket: 1101

**DST#: 1**

Test Start: 2010.06.26 @ 02:45:00

## Tool Information

Drill Pipe:	Length: 2767.00 ft	Diameter: 3.88 inches	Volume: 40.47 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 540.00 ft	Diameter: 2.25 inches	Volume: 2.66 bbl	Weight to Pull Loose: 78000.00 lb
			<u>Total Volume: 43.13 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	97.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	3225.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	75.00 ft			
Tool Length:	90.00 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			3215.00	
HYD S.I. Tool	5.00			3220.00	
TRAVEL COLER	2.00			3222.00	
Packer	3.00			3225.00	15.00 Bottom Of Top Packer
TRAVEL COLER	2.00			3227.00	
PACKER	3.00			3230.00	
CH OVER SUB	0.75			3230.75	
DRILL PIPE	31.50			3262.25	
CH OVER SUB	0.75			3263.00	
Anchor	32.00			3295.00	
REC	1.00			3296.00	
REC	1.00			3297.00	
BULL PLUG	3.00			3300.00	75.00 Anchor Tool

**Total Tool Length: 90.00**



# DRILL STEM TEST REPORT

## FLUID SUMMARY

L.B EXPLORATION INC

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Job Ticket: 1101

**DST#: 1**

ATTN: JOSH AUSTIN

Test Start: 2010.06.26 @ 02:45:00

### 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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
140.00	MUD 100%M	0.688

Total Length: 140.00 ft      Total Volume: 0.688 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

