



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 @ 21:00:00

End Date: 2010.06.27 @ 04:47:00

Job Ticket #: 1102 DST #: 2

Eagle Testers LLC.

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

620-617-7548

Printed: 2010.06.26 @ 21:21:46

L.B EXPLORATION INC
HISS #2
36-18S-15W-BARTON
DST # 2
LKC H-J
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: 1102 **DST#: 2**

Test Start: 2010.06.26 @ 21:00:00

GENERAL INFORMATION:

Formation: **LKC H-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:43:30

Time Test Ended: 04:47:00

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 15 21M GB

Interval: **3352.00 ft (KB) To 3420.00 ft (KB) (TVD)**

Reference Elevations: 1907.00 ft (KB)

Total Depth: 3420.00 ft (KB) (TVD)

1899.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6666

Press @ RunDepth: 368.99 psig @ ft (KB)

Capacity: 5000.00 psig

Start Date: 2010.06.26 End Date: 2010.06.27

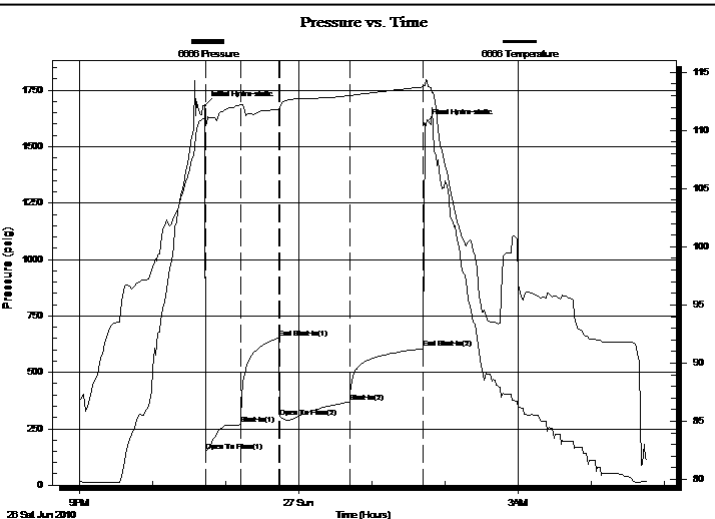
Last Calib.: 2010.06.26

Start Time: 21:00:00 End Time: 04:47:00

Time On Btm: 2010.06.26 @ 22:43:00

Time Off Btm: 2010.06.27 @ 01:43:30

TEST COMMENT: 30-INITIAL OPENING GOOD BLOW BOTTOM BUCKET IN 2 MINS
30-INITIAL SHUT IN STRONG BLOW BACK
60-FINAL OPENING GOOD BLOW BOTTOM BUCKET IN 4 MINS GAS TO SURFACE 45 MIN
60-FINAL SHUT IN STRONG BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1681.30	111.01	Initial Hydro-static
1	150.55	110.76	Open To Flow (1)
29	270.72	112.24	Shut-In(1)
61	651.70	111.82	End Shut-In(1)
62	303.16	112.00	Open To Flow (2)
119	368.99	112.98	Shut-In(2)
180	605.20	113.75	End Shut-In(2)
181	1601.55	113.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GASSEY OIL CUT MUD 15%G45%O40%	0.59
240.00	GASSEY OIL TRACE MUD 30%G65%O5%	1.18
450.00	GASSEY OIL TRACE MUD 10%G85%O5%	4.83
60.00	MUD CUT GASSEY OIL 105G70%O20%	0.88

Gas Rates

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



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HISS #2

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Job Ticket: 1102

DST#: 2

Test Start: 2010.06.26 @ 21:00:00

GENERAL INFORMATION:

Formation: **LKC H-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:43:30

Time Test Ended: 04:47:00

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 15 21M GB

Interval: 3352.00 ft (KB) To 3420.00 ft (KB) (TVD)

Total Depth: 3420.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1907.00 ft (KB)

1899.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6651

Press @ RunDepth: 606.66 psig @ ft (KB)

Capacity: 5000.00 psig

Start Date: 2010.06.26

End Date: 2010.06.27

Last Calib.: 2010.06.26

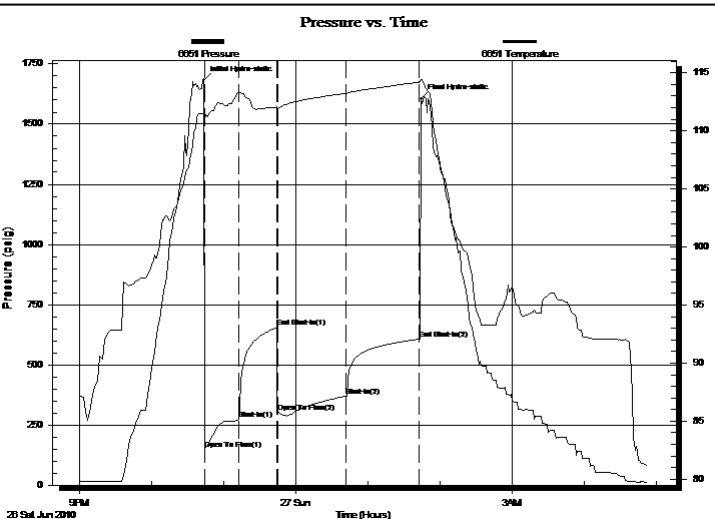
Start Time: 21:00:00

End Time: 04:53:00

Time On Btm: 2010.06.26 @ 22:43:30

Time Off Btm: 2010.06.27 @ 01:44:30

TEST COMMENT: 30-INITIAL OPENING GOOD BLOW BOTTOM BUCKET IN 2 MINS
30-INITIAL SHUT IN STRONG BLOW BACK
60-FINAL OPENING GOOD BLOW BOTTOM BUCKET IN 4 MINS GAS TO SURFACE 45 MIN
60-FINAL SHUT IN STRONG BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1681.59	111.51	Initial Hydro-static
1	147.77	110.55	Open To Flow (1)
30	272.01	113.28	Shut-In(1)
61	654.88	112.06	End Shut-In(1)
62	304.58	111.93	Open To Flow (2)
119	369.97	113.25	Shut-In(2)
180	606.66	114.21	End Shut-In(2)
181	1605.37	114.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GASSEY OIL CUT MUD 15%G45%O40%	10.59
240.00	GASSEY OIL TRACE MUD 30%G65%O5%	1.18
450.00	GASSEY OIL TRACE MUD 10%G85%O5%	4.83
60.00	MUD CUT GASSEY OIL 105G70%O20%	0.88

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: 1102

DST#: 2

Test Start: 2010.06.26 @ 21:00:00

Tool Information

Drill Pipe:	Length: 2797.00 ft	Diameter: 3.88 inches	Volume: 40.90 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: 43.56 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	0.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	3352.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	68.00 ft			
Tool Length:	83.00 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			3342.00	
HYD S.I. Tool	5.00			3347.00	
TRAVEL COLER	2.00			3349.00	
Packer	3.00			3352.00	15.00 Bottom Of Top Packer
TRAVEL COLER	2.00			3354.00	
PACKER	3.00			3357.00	
CH OVER SUB	0.75			3357.75	
DRILL PIPE	31.50			3389.25	
CH OVER SUB	0.75			3390.00	
Anchor	25.00			3415.00	
REC	1.00			3416.00	
REC	1.00			3417.00	
BULL PLUG	3.00			3420.00	68.00 Anchor Tool

Total Tool Length: 83.00



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FLUID SUMMARY

L.B EXPLORATION INC

HISS #2

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36-18S-15W-BARTON

Job Ticket: 1102

DST#: 2

ATTN: JOSH AUSTIN

Test Start: 2010.06.26 @ 21:00:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 56.00 sec/qt
Water Loss: 9.20 in³
Resistivity: ohm.m
Salinity: 6000.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 34 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	GASSEY OIL CUT MUD 15%G45%O40%M	0.590
240.00	GASSEY OIL TRACE MUD 30%G65%O5%M	1.180
450.00	GASSEY OIL TRACE MUD 10%G85%O5%M	4.834
60.00	MUD CUT GASSEY OIL 105G70%O20%M	0.877

Total Length: 870.00 ft Total Volume: 7.481 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: GRAVITY OF OIL 34

