



DRILL STEM TEST REPORT

Prepared For: **LB Exploration**

2135 2nd RD. Holyrood
Kansas 67450

ATTN: Steven Petermann

Wolkins 15 #1

15-33s-13w-Barber

Start Date: 2012.04.05 @ 07:16:00

End Date: 2012.04.05 @ 15:43:30

Job Ticket #: 17280 DST #: 1

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2012.04.05 @ 16:21:53

LB Exploration
15-33s-13w-Barber
Wolkins 15 #1
DST # 1
Eigin sand
2012.04.05



DRILL STEM TEST REPORT

LB Exploration

15-33s-13w-Barber

2135 2nd RD. Holyrood
Kansas 67450

Wolkins 15 #1

Job Ticket: 17280

DST#: 1

ATTN: Steven Petermann

Test Start: 2012.04.05 @ 07:16:00

GENERAL INFORMATION:

Formation: **Elgin sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:06:30

Time Test Ended: 15:43:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 3315-Pratt-80

Interval: 3552.00 ft (KB) To 3626.00 ft (KB) (TVD)

Reference Elevations: 1612.00 ft (KB)

Total Depth: 3626.00 ft (KB) (TVD)

1598.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 14.00 ft

Serial #: 8400

Press @ RunDepth: 355.03 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.04.05

End Date: 2012.04.05

Last Calib.: 2012.04.05

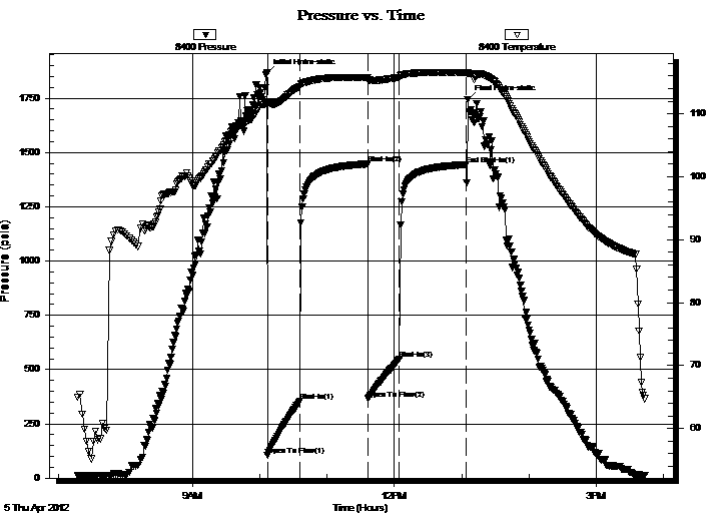
Start Time: 07:16:00

End Time: 15:43:30

Time On Btm: 2012.04.05 @ 10:06:00

Time Off Btm: 2012.04.05 @ 13:05:30

TEST COMMENT: 1st Open 30 minutes Strong building blow built to bottom bucket in 4 minutes
1st Shut in 60 minutes No blow back
2nd Open 30 minutes Strong building blow built to bottom bucket in 7 minutes
2nd Shut in 60 minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1865.30	111.81	Initial Hydro-static
1	105.59	111.44	Open To Flow (1)
30	355.03	114.35	Shut-In(1)
90	1447.33	115.79	Shut-In(2)
91	365.56	115.40	Open To Flow (2)
119	548.38	115.80	Shut-In(3)
178	1444.16	116.52	End Shut-In(1)
180	1742.84	116.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
660.00	Watery mud Mud 5% Water 95%	8.71
120.00	Water cut mud 10%Mud 90% Water	1.68
120.00	Water cut mud 40%Mud 60% Water	1.68
0.00		0.00

Gas Rates

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



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2135 2nd RD. Holyrood
Kansas 67450

Wolkins 15 #1

Job Ticket: 17280

DST#: 1

ATTN: Steven Petermann

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GENERAL INFORMATION:

Formation: **Elgin sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:06:30

Time Test Ended: 15:43:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 3315-Pratt-80

Interval: 3552.00 ft (KB) To 3626.00 ft (KB) (TVD)

Reference Elevations: 1612.00 ft (KB)

Total Depth: 3626.00 ft (KB) (TVD)

1598.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 14.00 ft

Serial #: 6664

Press @ RunDepth: 1446.85 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.04.05

End Date: 2012.04.05

Last Calib.: 2012.04.05

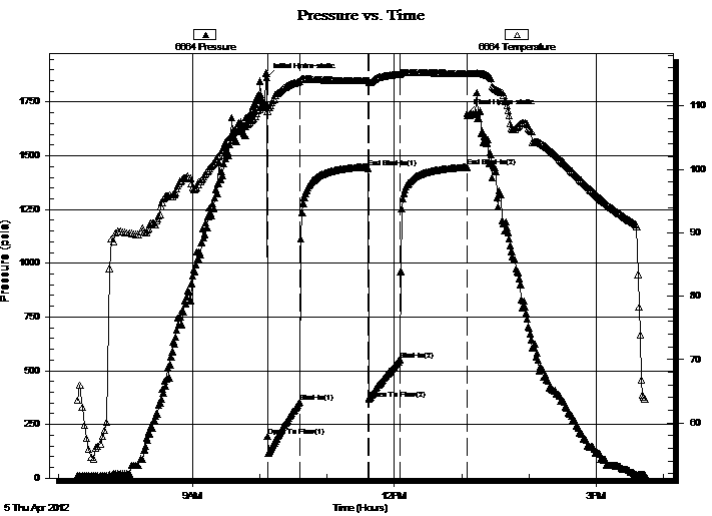
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1st Shut in 60 minutes No blow back
2nd Open 30 minutes Strong building blow built to bottom bucket in 7 minutes
2nd Shut in 60 minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1862.89	110.25	Initial Hydro-static
1	194.82	109.17	Open To Flow (1)
30	354.19	113.87	Shut-In(1)
91	1442.73	114.01	End Shut-In(1)
91	367.81	113.70	Open To Flow (2)
119	551.49	115.01	Shut-In(2)
179	1446.85	115.09	End Shut-In(2)
179	1696.04	115.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
660.00	Watery mud Mud 5% Water 95%	8.71
120.00	Water cut mud 10%Mud 90% Water	1.68
120.00	Water cut mud 40%Mud 60% Water	1.68
0.00		0.00

Gas Rates

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



DRILL STEM TEST REPORT

FLUID SUMMARY

LB Exploration

15-33s-13w-Barber

2135 2nd RD. Holyrood
Kansas 67450

Wolkins 15 #1

Job Ticket: 17280

DST#: 1

ATTN: Steven Petermann

Test Start: 2012.04.05 @ 07:16:00

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
660.00	Watery mud Mud 5% Water 95%	8.707
120.00	Water cut mud 10%Mud 90% Water	1.683
120.00	Water cut mud 40%Mud 60% Water	1.683
0.00		0.000

Total Length: 900.00 ft

Total Volume: 12.073 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

