Production zones given not to include
freshwater zones if produced.

Jon Wellman

Elev: 2344' GL
2357' KB
(10' Sandhills mark)

Morgan Mud 9
4600 - 11' 2'
5200 - 9' 2'
Lime 4

Hitch 3496-4600

Red Eagle 5700
(-3356)

Fancher Run
(-3476)

Thacker Pass
(-3492)

Morgan Mud 10
5200 - 9' 2'
Lime 5

Arnold 6317
(-3932)

Summit 6376
(-3990)

Morgan Mud 11
5200 - 9' 2'
Lime 6

Shark 6510
(-4166)

Morgan Mud 12
5200 - 9' 2'
Lime 7

Mako 6677
(-4321)

Morgan Mud 13
5200 - 9' 2'
Lime 8

Bluefish 6870
(-4499)

Morgan Mud 14
5200 - 9' 2'
Lime 9

Sharkview 6970
(-4599)

TD 6760

DRILL STEM TEST REPORT

Test Ticket No: 0

9:16 AM

Jones B #14

Test Start: 2014-05-20 @ 09:16:00

GENERAL INFORMATION

Formation: Lime 4
Tester: Ben
Unit No: Shannon
Interval: 4597.00 ft (MD) - 4618.00 ft (MD) (TVD)
Total Depth: 4618.00 ft (MD) (TVD)
Hole Diameter: 7.88 in Hole Condition: Good

Test Type: Conventional Bottom Hole (Initial)
Test Purpose: New Zone
Test Unit: Wet

Reference Elevations: 2357.00 ft (KB)
2344.00 ft (GL)
KB to GL: 13.00 ft

Surface Choke: 1 in
Bottom Choke: 5/8 in

Drill Pipe: Length: 4577.00 ft Diameter: 3.80 in
Wt Pipe: Length: 0.00 ft Diameter: 0.00 in
Collars: Length: 0.00 ft Diameter: 0.00 in

Packer 1: 4597.00 ft Size: 6.75 in
Packer 2: 4618.00 ft Size: 6.75 in

Capacity: 4600.00 psig
Drill Collar: 0.00 ft
Weight Pipe: 0.00 ft

Weight: 9.0 ppg
Viscosity: 47.00 s/qt
Water Loss: 9.60 in³
Resistivity: 0.000 ohm-m
Salinity: 6000.00 ppm
Filter Cake: 1.00 in

TEST COMMENT: IF - Strong blow, built to 5.5"
ISI - Weak surface blow
FF - Strong blow, built to 6" in 5 min & held to 7 1/4"
FSI - Weak surface blow

PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
0	2308.07	91.44	Initial Hydro-static
1	2308.07	91.44	Start Flow 1 (Min.)
2	2308.07	91.44	End Flow 1 (Min.)
3	2308.07	91.44	Start Flow 2 (Min.)
4	2308.07	91.44	End Flow 2 (Min.)
5	2308.07	91.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	100% Water, 200' Slight Oil spots	3.29

Gas Rates

Time (hr)	Pressure (psig)	Gas Rate (mcf/d)

Trilobite Testing, Inc. Ref. No: 49328 Printed: 2014-05-20 @ 09:29:01

DRILL STEM TEST REPORT

Test Ticket No: 0

9:16 AM

Jones B #14

Test Start: 2014-05-20 @ 09:16:00

GENERAL INFORMATION

Formation: Lime 5
Tester: Ben
Unit No: Shannon
Interval: 4600.00 ft (MD) - 4618.00 ft (MD) (TVD)
Total Depth: 4618.00 ft (MD) (TVD)
Hole Diameter: 7.88 in Hole Condition: Good

Test Type: Conventional Bottom Hole (Initial)
Test Purpose: New Zone
Test Unit: Wet

Reference Elevations: 2357.00 ft (KB)
2344.00 ft (GL)
KB to GL: 13.00 ft

Surface Choke: 1 in
Bottom Choke: 5/8 in

Drill Pipe: Length: 4577.00 ft Diameter: 3.80 in
Wt Pipe: Length: 0.00 ft Diameter: 0.00 in
Collars: Length: 0.00 ft Diameter: 0.00 in

Packer 1: 4600.00 ft Size: 6.75 in
Packer 2: 4618.00 ft Size: 6.75 in

Capacity: 4600.00 psig
Drill Collar: 0.00 ft
Weight Pipe: 0.00 ft

Weight: 9.0 ppg
Viscosity: 47.00 s/qt
Water Loss: 9.60 in³
Resistivity: 0.000 ohm-m
Salinity: 6000.00 ppm
Filter Cake: 1.00 in

TEST COMMENT: IF - No Surface Blow
ISI - No Surface Blow
FF - No Surface Blow
FSI - No Surface Blow

PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
0	2308.07	91.44	Initial Hydro-static
1	2308.07	91.44	Start Flow 1 (Min.)
2	2308.07	91.44	End Flow 1 (Min.)
3	2308.07	91.44	Start Flow 2 (Min.)
4	2308.07	91.44	End Flow 2 (Min.)
5	2308.07	91.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	100% Water	0.82

Gas Rates

Time (hr)	Pressure (psig)	Gas Rate (mcf/d)

DRILL STEM TEST REPORT

Test Ticket No: 0

9:16 AM

Jones B #14

Test Start: 2014-05-20 @ 09:16:00

GENERAL INFORMATION

Formation: Lime 6
Tester: Ben
Unit No: Shannon
Interval: 4600.00 ft (MD) - 4618.00 ft (MD) (TVD)
Total Depth: 4618.00 ft (MD) (TVD)
Hole Diameter: 7.88 in Hole Condition: Good

Test Type: Conventional Bottom Hole (Initial)
Test Purpose: New Zone
Test Unit: Wet

Reference Elevations: 2357.00 ft (KB)
2344.00 ft (GL)
KB to GL: 13.00 ft

Surface Choke: 1 in
Bottom Choke: 5/8 in

Drill Pipe: Length: 4577.00 ft Diameter: 3.80 in
Wt Pipe: Length: 0.00 ft Diameter: 0.00 in
Collars: Length: 0.00 ft Diameter: 0.00 in

Packer 1: 4600.00 ft Size: 6.75 in
Packer 2: 4618.00 ft Size: 6.75 in

Capacity: 4600.00 psig
Drill Collar: 0.00 ft
Weight Pipe: 0.00 ft

Weight: 9.0 ppg
Viscosity: 47.00 s/qt
Water Loss: 9.60 in³
Resistivity: 0.000 ohm-m
Salinity: 6000.00 ppm
Filter Cake: 1.00 in

TEST COMMENT: IF - No Surface Blow
ISI - No Surface Blow
FF - No Surface Blow
FSI - No Surface Blow

PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
0	2308.07	91.44	Initial Hydro-static
1	2308.07	91.44	Start Flow 1 (Min.)
2	2308.07	91.44	End Flow 1 (Min.)
3	2308.07	91.44	Start Flow 2 (Min.)
4	2308.07	91.44	End Flow 2 (Min.)
5	2308.07	91.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	100% Water	1.64

Gas Rates

Time (hr)	Pressure (psig)	Gas Rate (mcf/d)

DRILL STEM TEST REPORT

Test Ticket No: 0

9:16 AM

Jones B #14

Test Start: 2014-05-20 @ 09:16:00

GENERAL INFORMATION

Formation: Shark 6510
Tester: Ben
Unit No: Shannon
Interval: 4597.00 ft (MD) - 4618.00 ft (MD) (TVD)
Total Depth: 4618.00 ft (MD) (TVD)
Hole Diameter: 7.88 in Hole Condition: Good

Test Type: Conventional Bottom Hole (Initial)
Test Purpose: New Zone
Test Unit: Wet

Reference Elevations: 2357.00 ft (KB)
2344.00 ft (GL)
KB to GL: 13.00 ft

Surface Choke: 1 in
Bottom Choke: 5/8 in

Drill Pipe: Length: 4577.00 ft Diameter: 3.80 in
Wt Pipe: Length: 0.00 ft Diameter: 0.00 in
Collars: Length: 0.00 ft Diameter: 0.00 in

Packer 1: 4597.00 ft Size: 6.75 in
Packer 2: 4618.00 ft Size: 6.75 in

Capacity: 4600.00 psig
Drill Collar: 0.00 ft
Weight Pipe: 0.00 ft

Weight: 9.0 ppg
Viscosity: 47.00 s/qt
Water Loss: 9.60 in³
Resistivity: 0.000 ohm-m
Salinity: 6000.00 ppm
Filter Cake: 1.00 in

TEST COMMENT: IF - No Surface Blow
ISI - No Surface Blow
FF - No Surface Blow
FSI - No Surface Blow

PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
0	2308.07	91.44	Initial Hydro-static
1	2308.07	91.44	Start Flow 1 (Min.)
2	2308.07	91.44	End Flow 1 (Min.)
3	2308.07	91.44	Start Flow 2 (Min.)
4	2308.07	91.44	End Flow 2 (Min.)
5	2308.07	91.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	100% Water	0.00

Gas Rates

Time (hr)	Pressure (psig)	Gas Rate (mcf/d)

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