



## DRILL STEM TEST REPORT

Prepared For: **FALCON EXPLORATION**

125 N MARKET STE 1252  
WICHITA KS 67202

ATTN: KEITH REAVIS

**34-27S-30W GRAY**

**M.D. ISAAC 1-34**

Start Date: 2011.01.15 @ 13:00:00

End Date: 2011.01.15 @ 21:00:00

Job Ticket #: 1063                      DST #: 2

Eagle Testers LLC.

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

620-617-7548

Printed: 2011.01.15 @ 13:17:54

FALCON EXPLORATION

M.D. ISAAC 1-34

34-27S-30W GRAY

DST # 2

MISSISSIPPIAN

2011.01.15



# DRILL STEM TEST REPORT

FALCON EXPLORATION  
 125 N MARKET STE 1252  
 WICHITA KS 67202  
 ATTN: KEITH REAVIS

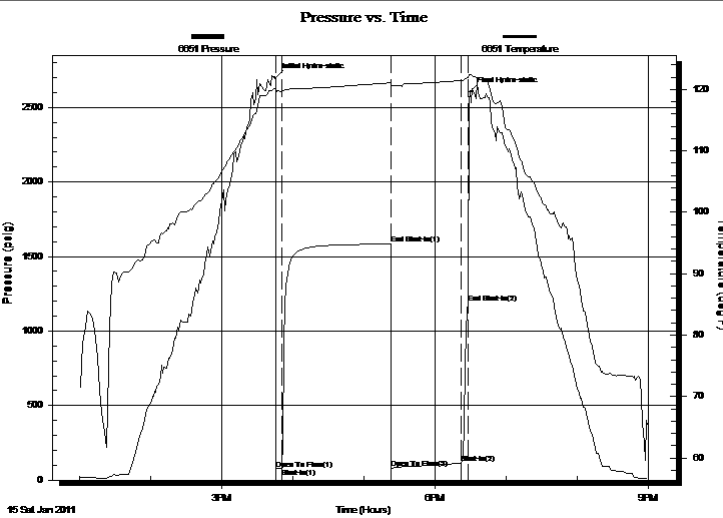
**M.D. ISAAC 1-34**  
**34-27S-30W GRAY**  
 Job Ticket: 1063 **DST#: 2**  
 Test Start: 2011.01.15 @ 13:00:00

## GENERAL INFORMATION:

Formation: **MISSISSIPPIAN**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 15:46:00  
 Time Test Ended: 21:00:00  
 Interval: **5247.00 ft (KB) To 5327.00 ft (KB) (TVD)**  
 Total Depth: 5327.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: DAVID NICHOLS  
 Unit No: 15  
 Reference Elevations: 2809.00 ft (KB)  
 2799.00 ft (CF)  
 KB to GR/CF: 10.00 ft

**Serial #: 6651 Inside**  
 Press @ Run Depth: 114.01 psig @ 5323.00 ft (KB) Capacity: 5000.00 psig  
 Start Date: 2011.01.15 End Date: 2011.01.15 Last Calib.: 2011.01.15  
 Start Time: 13:00:00 End Time: 21:00:00 Time On Btm: 2011.01.15 @ 15:45:30  
 Time Off Btm: 2011.01.15 @ 18:30:00

**TEST COMMENT:** 5-INITIAL OPENING SURFACE BLOW  
 90-INITIAL SHUT IN NO BLOW BACK  
 60-FINAL OPENING NO BLOW FLUSHED TOOL AFTER 10 MINS SURFACE BLOW  
 5-FINAL SHUT IN NO BLOW BACK



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2696.31	120.12	Initial Hydro-static
1	75.50	119.24	Open To Flow (1)
6	78.44	119.66	Shut-In(1)
97	1582.37	121.09	End Shut-In(1)
98	80.90	120.57	Open To Flow (2)
157	114.01	121.45	Shut-In(2)
163	1189.46	121.89	End Shut-In(2)
165	2604.93	122.40	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
80.00	MUD WITH A SPOT OF OIL 100% MUD	1.17

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



# DRILL STEM TEST REPORT

FALCON EXPLORATION  
 125 N MARKET STE 1252  
 WICHITA KS 67202  
 ATTN: KEITH REAVIS

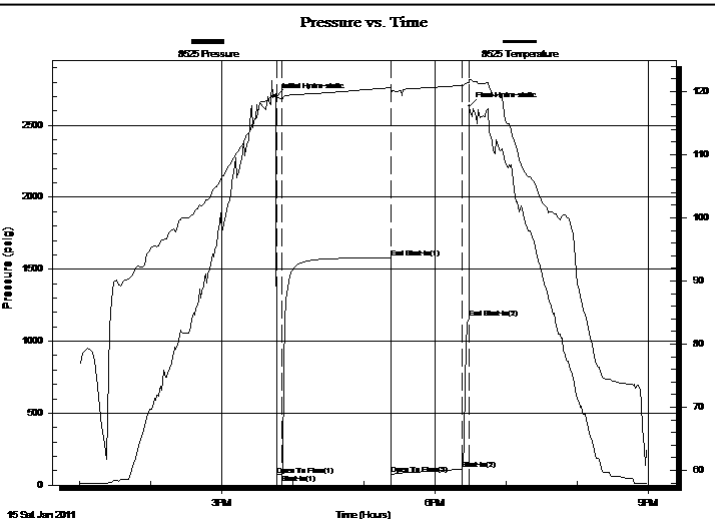
**M.D. ISAAC 1-34**  
**34-27S-30W GRAY**  
 Job Ticket: 1063 **DST#: 2**  
 Test Start: 2011.01.15 @ 13:00:00

## GENERAL INFORMATION:

Formation: **MISSISSIPPIAN**  
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 15:46:00 Tester: DAVID NICHOLS  
 Time Test Ended: 21:00:00 Unit No: 15  
 Interval: **5247.00 ft (KB) To 5327.00 ft (KB) (TVD)** Reference Elevations: 2809.00 ft (KB)  
 Total Depth: 5327.00 ft (KB) (TVD) 2799.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

**Serial #: 8525 Outside**  
 Press @ Run Depth: 1159.44 psig @ 5324.00 ft (KB) Capacity: 5000.00 psig  
 Start Date: 2011.01.15 End Date: 2011.01.15 Last Calib.: 2011.01.15  
 Start Time: 13:00:02 End Time: 20:59:32 Time On Btm: 2011.01.15 @ 15:46:02  
 Time Off Btm: 2011.01.15 @ 18:29:02

**TEST COMMENT:** 5-INITIAL OPENING SURFACE BLOW  
 90-INITIAL SHUT IN NO BLOW BACK  
 60-FINAL OPENING NO BLOW FLUSHED TOOL AFTER 10 MINS SURFACE BLOW  
 5-FINAL SHUT IN NO BLOW BACK



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2696.20	119.61	Initial Hydro-static
1	71.32	119.01	Open To Flow (1)
5	74.54	118.94	Shut-In(1)
97	1579.73	120.63	End Shut-In(1)
97	75.19	119.70	Open To Flow (2)
157	111.36	120.99	Shut-In(2)
163	1159.44	121.47	End Shut-In(2)
163	2630.65	121.84	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
80.00	MUD WITH A SPOT OF OIL 100% MUD	1.17

## Gas Rates

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



# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

FALCON EXPLORATION  
 125 N MARKET STE 1252  
 WICHITA KS 67202  
 ATTN: KEITH REAVIS

**M.D. ISAAC 1-34**  
**34-27S-30W GRAY**  
 Job Ticket: 1063 **DST#: 2**  
 Test Start: 2011.01.15 @ 13:00:00

## Tool Information

Drill Pipe:	Length: 5221.00 ft	Diameter: 3.88 inches	Volume: 76.35 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 110000.0 lb
			<u>Total Volume: 76.35 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	2.75 ft			String Weight: Initial 81000.00 lb
Depth to Top Packer:	5247.00 ft			Final 82000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	80.00 ft			
Tool Length:	108.75 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			5223.25	
Hydraulic tool	5.00			5228.25	
Change over sub	0.75			5229.00	
Jars	6.00			5235.00	
Safety Joint	2.00			5237.00	
Packer	5.00			5242.00	28.75 Bottom Of Top Packer
Packer	5.00			5247.00	
Anchor	2.00			5249.00	
change over sub	0.75			5249.75	
drill pipe	62.50			5312.25	
change over sub	0.75			5313.00	
anchor	9.00			5322.00	
Recorder	1.00	6651	Inside	5323.00	
Recorder	1.00	8525	Outside	5324.00	
bull plug	3.00			5327.00	80.00 Bottom Packers & Anchor

**Total Tool Length: 108.75**



# DRILL STEM TEST REPORT

## FLUID SUMMARY

FALCON EXPLORATION  
125 N MARKET STE 1252  
WICHITA KS 67202  
ATTN: KEITH REAVIS

**M.D. ISAAC 1-34**  
**34-27S-30W GRAY**  
Job Ticket: 1063      **DST#: 2**  
Test Start: 2011.01.15 @ 13:00:00

### 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:	47.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	8.80 in <sup>3</sup>	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2200.00 ppm				
Filter Cake:	inches				

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
80.00	MUD WITH A SPOT OF OIL 100%MUD	1.170

Total Length: 80.00 ft      Total Volume: 1.170 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:

