



DRILL STEM TEST REPORT

Prepared For: **FALCON EXPLORATION INC.**

125 NORTH MARKET SUITE 1252

ATTN: DAVE WILLIAMS

CHESTER-REXFORD 1-35

35-27S-30W GRAY

Start Date: 2015.10.12 @ 20:59:00

End Date: 2015.10.13 @ 00:00:00

Job Ticket #: 01239 DST #: 1

Eagle Testers
1309 Patton Road Great Bend, Kansas 67530
620-791-7394

Printed: 2015.10.13 @ 06:22:57



DRILL STEM TEST REPORT

FALCON EXPLORATION INC.
 125 NORTH MARKET SUITE 1252
 ATTN: DAVE WILLIAMS

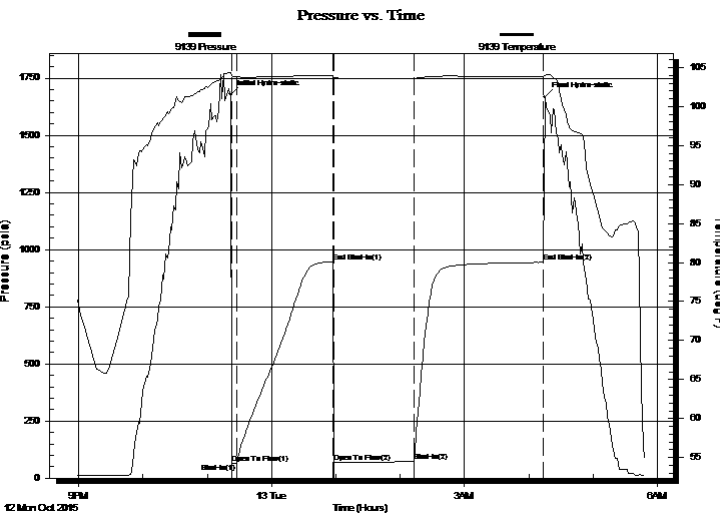
35-27S-30W GRAY
CHESTER-REXFORD 1-35
 Job Ticket: 01239 **DST#: 1**
 Test Start: 2015.10.12 @ 20:59:00

GENERAL INFORMATION:

Formation: **STOTLER**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:23:00
 Time Test Ended: 00:00:00
 Interval: **3449.00 ft (KB) To 3525.00 ft (KB) (TVD)**
 Total Depth: 3525.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: GENE BUDIG
 Unit No: 1
 Reference Elevations: 2805.00 ft (KB)
 2792.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 9139 Outside
 Press@RunDepth: 944.61 psia @ 3520.40 ft (KB) Capacity: 5000.00 psia
 Start Date: 2015.10.12 End Date: 2015.10.13 Last Calib.: 2015.10.13
 Start Time: 20:58:00 End Time: 05:48:30 Time On Btm: 2015.10.12 @ 23:21:30
 Time Off Btm: 2015.10.13 @ 04:15:00

TEST COMMENT: 1ST OPENING 5 MINUTES FAIR BLOW BUILT TO THE BOTTOM OF A 5 GLLON BUCKET IN 4 1/2 MINUTES
 1ST SHUT-IN 90 MINUTES-NO BLOW BACK
 2ND OPENING 75 MINUTES- BOTTOM OF THE BUCKET IMMEDIA TELY DECREASED TO FAIR BLOW
 2NMD SHUT-IN 90 MINUTES- LLLFAIR BLOW BACCK



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1678.34	104.36	Initial Hydro-static
2	66.79	103.91	Open To Flow (1)
6	65.32	103.79	Shut-In(1)
96	946.97	103.95	End Shut-In(1)
97	69.70	103.69	Open To Flow (2)
172	75.93	103.59	Shut-In(2)
292	944.61	103.82	End Shut-In(2)
294	1667.24	104.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	DRILLING MUD	0.37

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.13	15.75	5.89
Last Gas Rate	0.13	23.75	8.89
Max. Gas Rate	0.13	23.75	8.89



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 125 NORTH MARKET SUITE 1252
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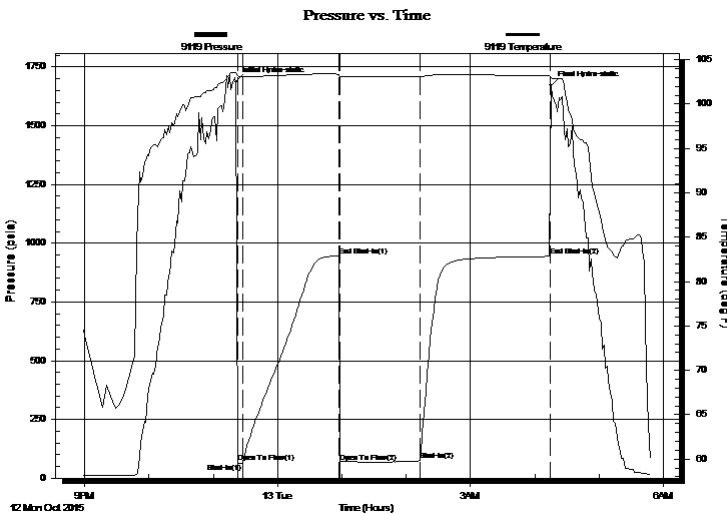
35-27S-30W GRAY
CHESTER-REXFORD 1-35
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 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: GENE BUDIG
 Unit No: 1
 Reference Elevations: 2805.00 ft (KB)
 2792.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 9119 Inside
 Press@RunDepth: 944.49 psia @ 3520.40 ft (KB) Capacity: 5000.00 psia
 Start Date: 2015.10.12 End Date: 2015.10.13 Last Calib.: 2015.10.13
 Start Time: 20:58:00 End Time: 05:48:30 Time On Btm: 2015.10.12 @ 23:21:00
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 2NMD SHUT-IN 90 MINUTES- LLLFAIR BLOW BACCK



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1685.52	103.56	Initial Hydro-static
2	66.13	103.16	Open To Flow (1)
6	64.31	103.06	Shut-In(1)
96	946.78	103.38	End Shut-In(1)
98	69.37	103.12	Open To Flow (2)
172	75.07	103.05	Shut-In(2)
293	944.49	103.21	End Shut-In(2)
294	1671.14	102.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	DRILLING MUD	0.37

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.13	15.75	5.89
Last Gas Rate	0.13	23.75	8.89
Max. Gas Rate	0.13	23.75	8.89



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TOOL DIAGRAM

FALCON EXPLORATION INC.
 125 NORTH MARKET SUITE 1252
 ATTN: DAVE WILLIAMS

35-27S-30W GRAY
CHESTER-REXFORD 1-35
 Job Ticket: 01239 **DST#: 1**
 Test Start: 2015.10.12 @ 20:59:00

Tool Information

Drill Pipe:	Length: 3378.00 ft	Diameter: 3.80 inches	Volume: 47.38 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.86 inches	Volume: - bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 60.00 ft	Diameter: 2.25 inches	Volume: 0.30 bbl	Weight to Pull Loose: 72000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	3449.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	76.40 ft			
Tool Length:	105.40 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3425.00	
Hydraulic tool	5.00			3430.00	
Jars	7.00			3437.00	
Safety Joint	2.00		Fluid	3439.00	
Top Packer	5.00			3444.00	
Packer	5.00			3449.00	29.00 Bottom Of Top Packer
Anchor	5.00			3454.00	
Change Over Sub	0.75			3454.75	
Drill Pipe	31.90			3486.65	
Change Over Sub	0.75			3487.40	
Anchor	33.00			3520.40	
Recorder	0.00	9119	Inside	3520.40	
Recorder	0.00	9139	Outside	3520.40	
Bullnose	5.00			3525.40	76.40 Anchor Tool

Total Tool Length: 105.40



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FLUID SUMMARY

FALCON EXPLORATION INC.
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35-27S-30W GRAY
CHESTER-REXFORD 1-35
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 Test Start: 2015.10.12 @ 20:59:00

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: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.00 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 3400.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	DRILLING MUD	0.365

Total Length: 65.00 ft Total Volume: 0.365 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



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GAS RATES

FALCON EXPLORATION INC.
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35-27S-30W GRAY
CHESTER-REXFORD 1-35
Job Ticket: 01239 **DST#: 1**
Test Start: 2015.10.12 @ 20:59:00

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
2	40	0.13	15.75	5.89
2	50	0.13	20.25	7.58
2	60	0.13	22.85	8.55
2	70	0.13	23.75	8.89

Pressure vs. Time

