



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: 2015.10.18 @ 10:01:00

End Date: 2015.10.18 @ 00:00:00

Job Ticket #: 01242 DST #: 4

Eagle Testers

1309 Patton Road Great Bend, Kansas 67530

620-791-7394

Printed: 2015.10.18 @ 15:40:14



DRILL STEM TEST REPORT

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

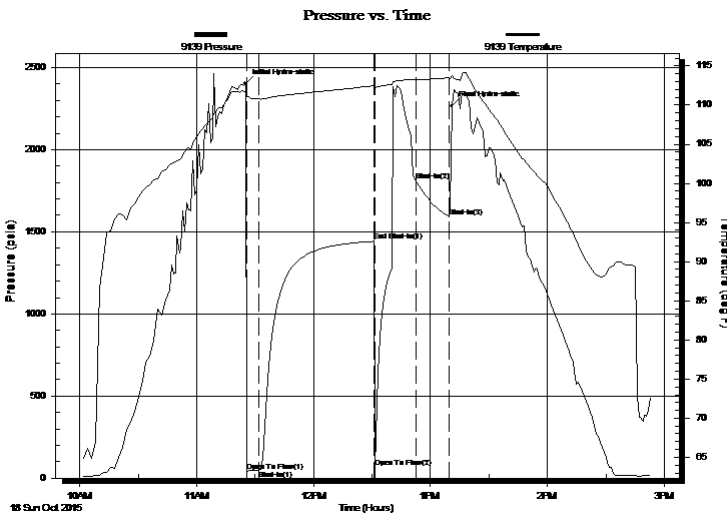
35-27S-30W GRAY
CHESTER-REXFORD 1-35
 Job Ticket: 01242 **DST#: 4**
 Test Start: 2015.10.18 @ 10:01:00

GENERAL INFORMATION:

Formation: **FORT SCOTT 7 CHEROKE**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:27:00
 Time Test Ended: 00:00:00
 Interval: **4815.00 ft (KB) To 4845.00 ft (KB) (TVD)**
 Total Depth: 4845.00 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: 1442.19 psia @ 4840.00 ft (KB) Capacity: psia
 Start Date: 2015.10.18 End Date: 2015.10.18 Last Calib.: 1899.12.30
 Start Time: 10:01:00 End Time: 14:53:30 Time On Btm: 2015.10.18 @ 11:25:00
 Time Off Btm: 2015.10.18 @ 13:11:00

TEST COMMENT: 1ST OPENING 5 MINUTES VERY WEAK SURFACE BLOW FOR 5 MINUTES AND DIED
 1ST SHUT-IN 60 MINUTES-NO BLOW BACK 2ND
 OPENING 20 MINUTES-NO BLOW -FLUSHED TOOL-GOOD SURGE-NO HELP
 2ND SHUT-IN 20 MINUTES-NO BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2401.92	111.75	Initial Hydro-static
1	43.59	111.09	Open To Flow (1)
7	45.31	110.76	Shut-In(1)
66	1442.19	112.45	End Shut-In(1)
67	67.30	112.07	Open To Flow (2)
88	1810.45	113.21	Shut-In(2)
105	1591.85	113.49	Shut-In(3)
106	2265.72	113.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	DRILLING MUD	0.02

Gas Rates

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



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TOOL DIAGRAM

FALCON EXPLORATION INC.
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Tool Information

Drill Pipe:	Length: 4750.00 ft	Diameter: 3.80 inches	Volume: 66.63 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 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:	78000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial	64000.00 lb
Depth to Top Packer:	4815.00 ft			Final	64000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	30.00 ft				
Tool Length:	59.00 ft				
Number of Packers:	2	Diameter:	inches		

Tool Comments: WHEN WE WENT TO TURN THE TOOL THE ELEVATORS WERE NOT SLACKED OFF WRAPPED THE HOSE AROUND THE DRILL PIPE SLACKED OFF I THOUGHT WE WENT A LITTLE MORE THAN 2 ROUNDS DRILL THOUGHT ONLY ONE ROUND TURNED IT 4 MORE TIMES PUT THE SHUT-IN TOOL IN THE FINAL STAG. FINAL FLOW AND FINAL SHUT-IN ARE INVALID

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4791.00	
Hydraulic tool	5.00			4796.00	
Jars	7.00			4803.00	
Safety Joint	2.00		Fluid	4805.00	
Top Packer	5.00			4810.00	
Packer	5.00			4815.00	29.00 Bottom Of Top Packer
Anchor	25.00			4840.00	
Recorder	0.00	9119	Inside	4840.00	
Recorder	0.00	9139	Outside	4840.00	
Bullnose	5.00			4845.00	30.00 Anchor Tool
Total Tool Length:	59.00				



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FLUID SUMMARY

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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: 7.20 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 2600.00 ppm			
Filter Cake: 1.00 inches			

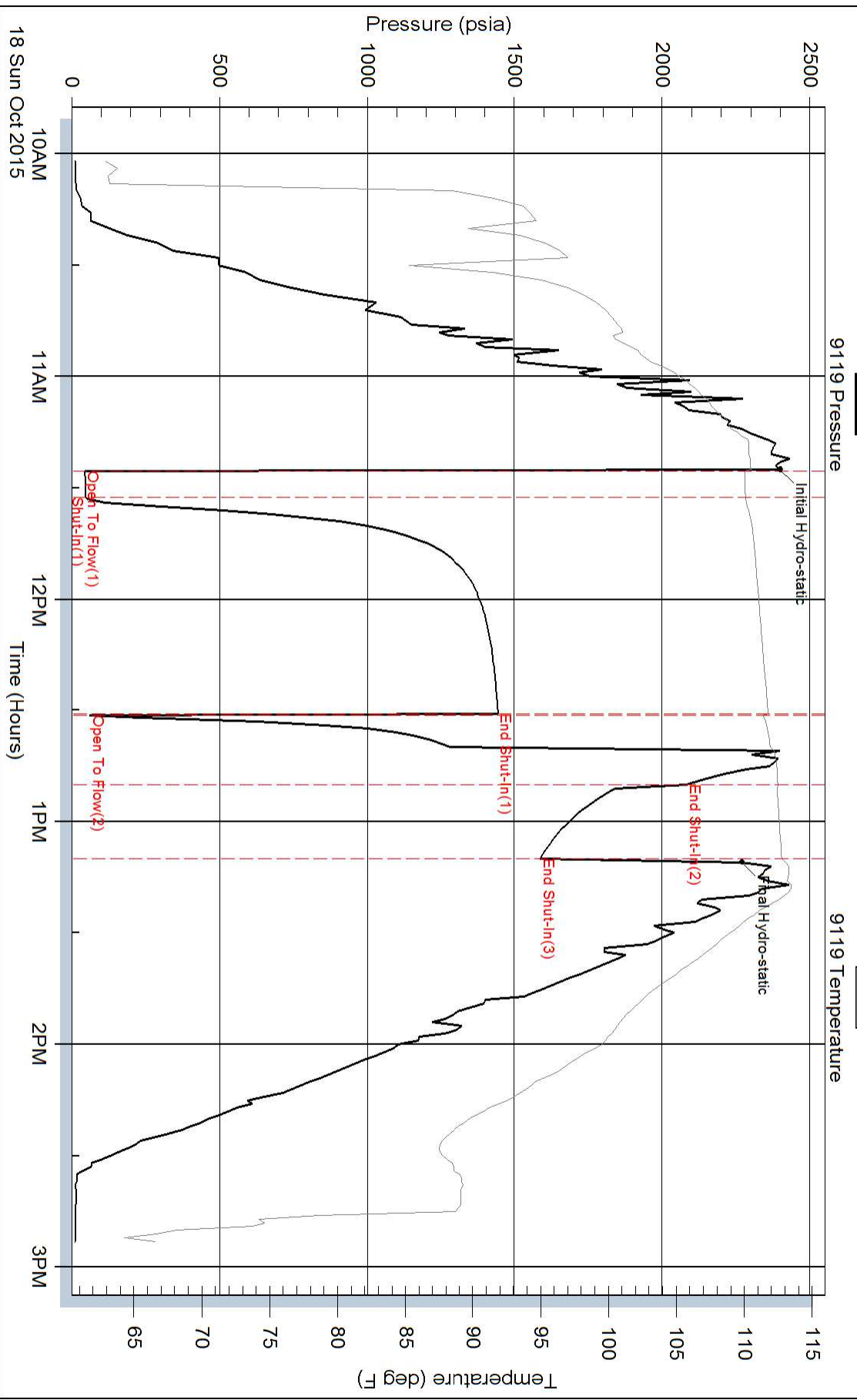
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	DRILLING MUD	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time



Pressure vs. Time

