



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: 2015.10.15 @ 04:38:00

End Date: 2015.10.15 @ 00:00:00

Job Ticket #: 01241 DST #: 3

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

Printed: 2015.10.15 @ 15:48:40



DRILL STEM TEST REPORT

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

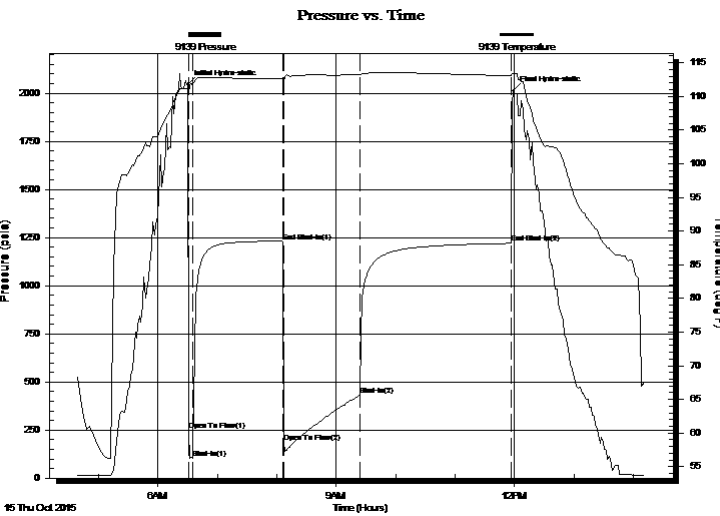
35-27S-30W GRAY
CHESTER-REXFORD 1-35
 Job Ticket: 01241 **DST#: 3**
 Test Start: 2015.10.15 @ 04:38:00

GENERAL INFORMATION:

Formation: **TARKIO**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:32:00
 Time Test Ended: 00:00:00
 Test Type: Conventional Bottom Hole (Initial)
 Tester: GENE BUDIG
 Unit No: 1
 Interval: **4106.00 ft (KB) To 4137.00 ft (KB) (TVD)**
 Total Depth: 4137.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Reference Elevations: 2805.00 ft (KB)
 2792.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 9139 Outside
 Press@RunDepth: 1220.27 psia @ 4132.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2015.10.15 End Date: 2015.10.15 Last Calib.: 2015.10.15
 Start Time: 04:38:00 End Time: 14:11:30 Time On Btm: 2015.10.15 @ 06:30:30
 Time Off Btm: 2015.10.15 @ 11:59:00

TEST COMMENT: 1ST OPENING 5 MINUTES STRNG BLOW BTM OF A 5 GALLON BUCKET IN 30 SECONDS
 1ST SHUT-IN 90 MINUTES-NO BLOW BACK
 2ND OPENING 81 MINUTES- STRONG BLOW GAS TO SURFACE IN 8 MINUTES SEE GAS FLOW REPORT
 2ND SHUT-IN 150 MINUTES- GOOD BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2045.25	111.15	Initial Hydro-static
1	248.73	110.47	Open To Flow (1)
5	104.65	111.55	Shut-In(1)
96	1229.63	112.61	End Shut-In(1)
97	187.10	112.15	Open To Flow (2)
174	433.36	113.17	Shut-In(2)
326	1220.27	113.06	End Shut-In(2)
329	2011.93	113.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
700.00	WATER CHLORIDES 68,000	9.27
150.00	MUD	2.10

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.13	58.65	21.95
Last Gas Rate	0.13	71.00	26.57
Max. Gas Rate	0.13	91.80	34.36



DRILL STEM TEST REPORT

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

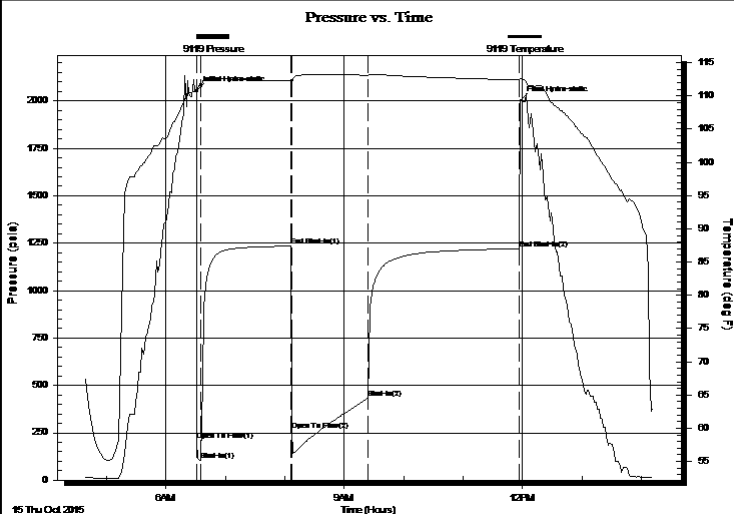
35-27S-30W GRAY
CHESTER-REXFORD 1-35
Job Ticket: 01241 **DST#: 3**
Test Start: 2015.10.15 @ 04:38:00

GENERAL INFORMATION:

Formation: **TARKIO**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:32:00
Time Test Ended: 00:00:00
Interval: **4106.00 ft (KB) To 4137.00 ft (KB) (TVD)**
Total Depth: 4137.00 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 #: 9119 Inside
Press@RunDepth: 1221.23 psia @ 4132.00 ft (KB) Capacity: 5000.00 psia
Start Date: 2015.10.15 End Date: 2015.10.15 Last Calib.: 2015.10.15
Start Time: 04:38:00 End Time: 14:12:00 Time On Btm: 2015.10.15 @ 06:31:00
Time Off Btm: 2015.10.15 @ 11:58:00

TEST COMMENT: 1ST OPENING 5 MINUTES STRNG BLOW BTM OF A 5 GALLON BUCKET IN 30 SECONDS
1ST SHUT-IN 90 MINUTES-NO BLOW BACK
2ND OPENING 81 MINUTES- STRONG BLOW GAS TO SURFACE IN 8 MINUTES SEE GAS FLOW REPORT
2ND SHUT-IN 150 MINUTES- GOOD BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2052.41	110.59	Initial Hydro-static
1	212.11	110.09	Open To Flow (1)
5	106.31	111.16	Shut-In(1)
96	1233.90	112.24	End Shut-In(1)
96	265.62	111.77	Open To Flow (2)
173	431.50	113.06	Shut-In(2)
326	1221.23	112.43	End Shut-In(2)
327	2001.10	112.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
700.00	WATER CHLORIDES 68,000	9.27
150.00	MUD	2.10

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.13	58.65	21.95
Last Gas Rate	0.13	71.00	26.57
Max. Gas Rate	0.13	91.80	34.36



DRILL STEM TEST REPORT

TOOL DIAGRAM

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

35-27S-30W GRAY
CHESTER-REXFORD 1-35
 Job Ticket: 01241 **DST#: 3**
 Test Start: 2015.10.15 @ 04:38:00

Tool Information

Drill Pipe:	Length: 4047.00 ft	Diameter: 3.80 inches	Volume: 56.77 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.86 inches	Volume: 0.00 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:	720000.0 lb
			<u>Total Volume: 57.07 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4106.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	31.00 ft				
Tool Length:	60.00 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			4082.00	
Hydraulic tool	5.00			4087.00	
Jars	7.00			4094.00	
Safety Joint	2.00		Fluid	4096.00	
Top Packer	5.00			4101.00	
Packer	5.00			4106.00	29.00 Bottom Of Top Packer
Anchor	26.00			4132.00	
Recorder	0.00	9119	Inside	4132.00	
Recorder	0.00	9139	Outside	4132.00	
Bullnose	5.00			4137.00	31.00 Anchor Tool
Total Tool Length:	60.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

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

35-27S-30W GRAY
CHESTER-REXFORD 1-35
 Job Ticket: 01241 **DST#: 3**
 Test Start: 2015.10.15 @ 04:38:00

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: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 4600.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
700.00	WATER CHLORIDES 68,000	9.273
150.00	MUD	2.104

Total Length: 850.00 ft Total Volume: 11.377 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



DRILL STEM TEST REPORT

GAS RATES

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

35-27S-30W GRAY
CHESTER-REXFORD 1-35
Job Ticket: 01241 **DST#: 3**
Test Start: 2015.10.15 @ 04:38:00

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	10	0.13	58.65	21.95
2	20	0.13	75.00	28.07
2	30	0.13	91.80	34.36
2	40	0.13	89.00	33.31
2	50	0.13	85.00	31.81
2	60	0.13	75.00	28.07
2	70	0.13	71.00	26.57

Pressure vs. Time

