



DRILL STEM TEST REPORT

Prepared For: **Sandin Oil Corporation**

621 17th Street Suite 2005
Denver , Colorado 80293-2001

ATTN: Steve Reed

Cheney #1

24-8s-17w Rooks

Start Date: 2015.04.27 @ 00:00:00

End Date: 2015.04.27 @ 00:00:00

Job Ticket #: 01029 DST #: 2

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

Printed: 2015.04.27 @ 07:20:16



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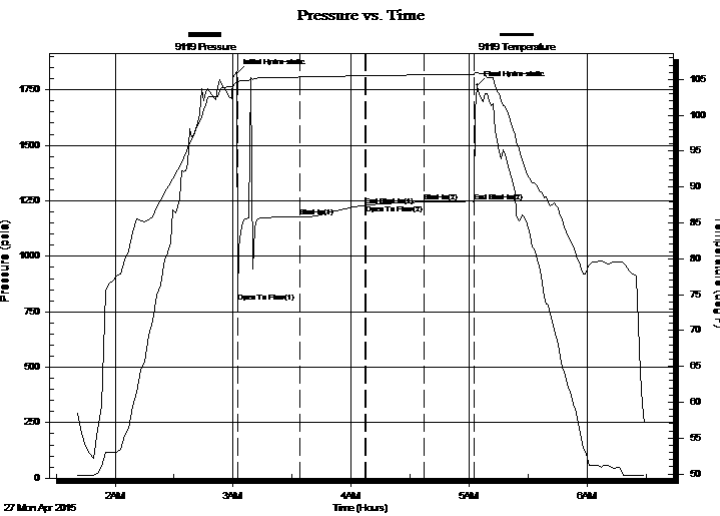
24-8s-17w Rooks
Cheney #1
 Job Ticket: 01029 **DST#: 2**
 Test Start: 2015.04.27 @ 00:00:00

GENERAL INFORMATION:

Formation: **Kansas City "J" -Arb**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:00:00
 Time Test Ended: 00:00:00
 Interval: **3266.00 ft (KB) To 3296.00 ft (KB) (TVD)**
 Total Depth: 3296.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gene Bujdig
 Unit No: 1
 Reference Elevations: 1948.00 ft (KB)
 1942.00 ft (CF)
 KB to GR/CF: 6.00 ft

Serial #: 9119 Inside
 Press@RunDepth: 1247.90 psia @ 3571.98 ft (KB) Capacity: 5000.00 psia
 Start Date: 2015.04.27 End Date: 2015.04.27 Last Calib.: 2015.04.27
 Start Time: 01:40:00 End Time: 06:29:30 Time On Btm: 2015.04.27 @ 03:02:00
 Time Off Btm: 2015.04.27 @ 05:04:00

TEST COMMENT: 1st Opening 30 Minutes-Weak blow for 19 Minutes and died
 1st Shut-In 30 Minutes-No blow back
 2nd Opening 30 Minutes-No blow
 2nd Shut-In 30 Minutes- No blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1825.21	104.64	Initial Hydro-static
1	796.29	104.55	Open To Flow (1)
32	1177.14	105.33	Shut-In(1)
65	1229.09	105.51	End Shut-In(1)
66	1230.09	105.52	Open To Flow (2)
95	1245.42	105.65	Shut-In(2)
121	1247.90	105.75	End Shut-In(2)
122	1770.65	105.98	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
40.00	Drilling	0.56

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



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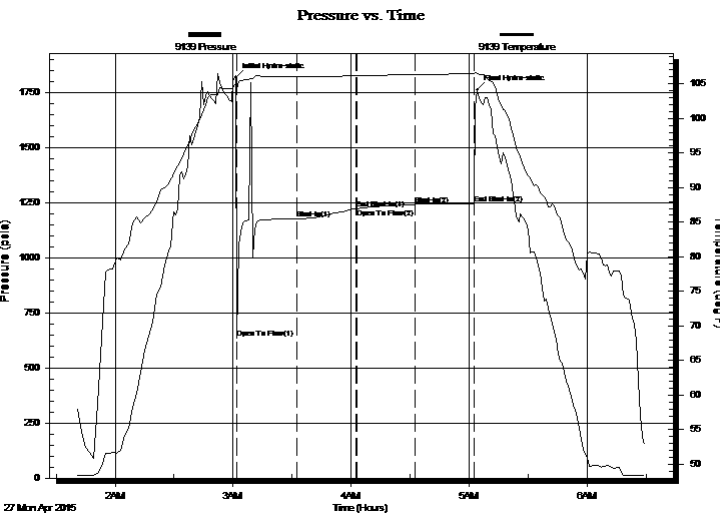
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 Unit No: 1
 Reference Elevations: 1948.00 ft (KB)
 1942.00 ft (CF)
 KB to GR/CF: 6.00 ft

Serial #: 9139 Outside
 Press@RunDepth: 1247.08 psia @ 3571.98 ft (KB) Capacity: 5000.00 psia
 Start Date: 2015.04.27 End Date: 2015.04.27 Last Calib.: 2015.04.27
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 2nd Opening 30 Minutes-No blow
 2nd Shut-In 30 Minutes- No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1821.12	105.02	Initial Hydro-static
1	634.79	104.29	Open To Flow (1)
31	1176.67	106.10	Shut-In(1)
61	1222.95	106.17	End Shut-In(1)
62	1223.61	106.17	Open To Flow (2)
91	1242.36	106.33	Shut-In(2)
121	1247.08	106.47	End Shut-In(2)
123	1763.19	106.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	Drilling	0.56

Gas Rates

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



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TOOL DIAGRAM

Sandin Oil Corporation
 621 17th Street Suite 2005
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24-8s-17w Rooks
Cheney #1
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 Test Start: 2015.04.27 @ 00:00:00

Tool Information

Drill Pipe:	Length: 3257.00 ft	Diameter: 3.80 inches	Volume: 45.69 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: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	52000.00 lb
			<u>Total Volume: 45.69 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3266.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	805.98 ft				
Tool Length:	825.98 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			3251.00	
Hydraulic tool	5.00			3256.00	
Top Packer	5.00			3261.00	
Packer	5.00			3266.00	20.00 Bottom Of Top Packer
Anchor	5.00			3271.00	
Change Over Sub	75.00			3346.00	
Drill Pipe	190.23			3536.23	
Change Over Sub	0.75			3536.98	
Anchor	35.00			3571.98	
Recorder	0.00	9119	Inside	3571.98	
Recorder	0.00	9139	Outside	3571.98	
Bullnose	500.00			4071.98	805.98 Anchor Tool

Total Tool Length: 825.98



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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: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 3000.00 ppm			
Filter Cake: 1.00 inches			

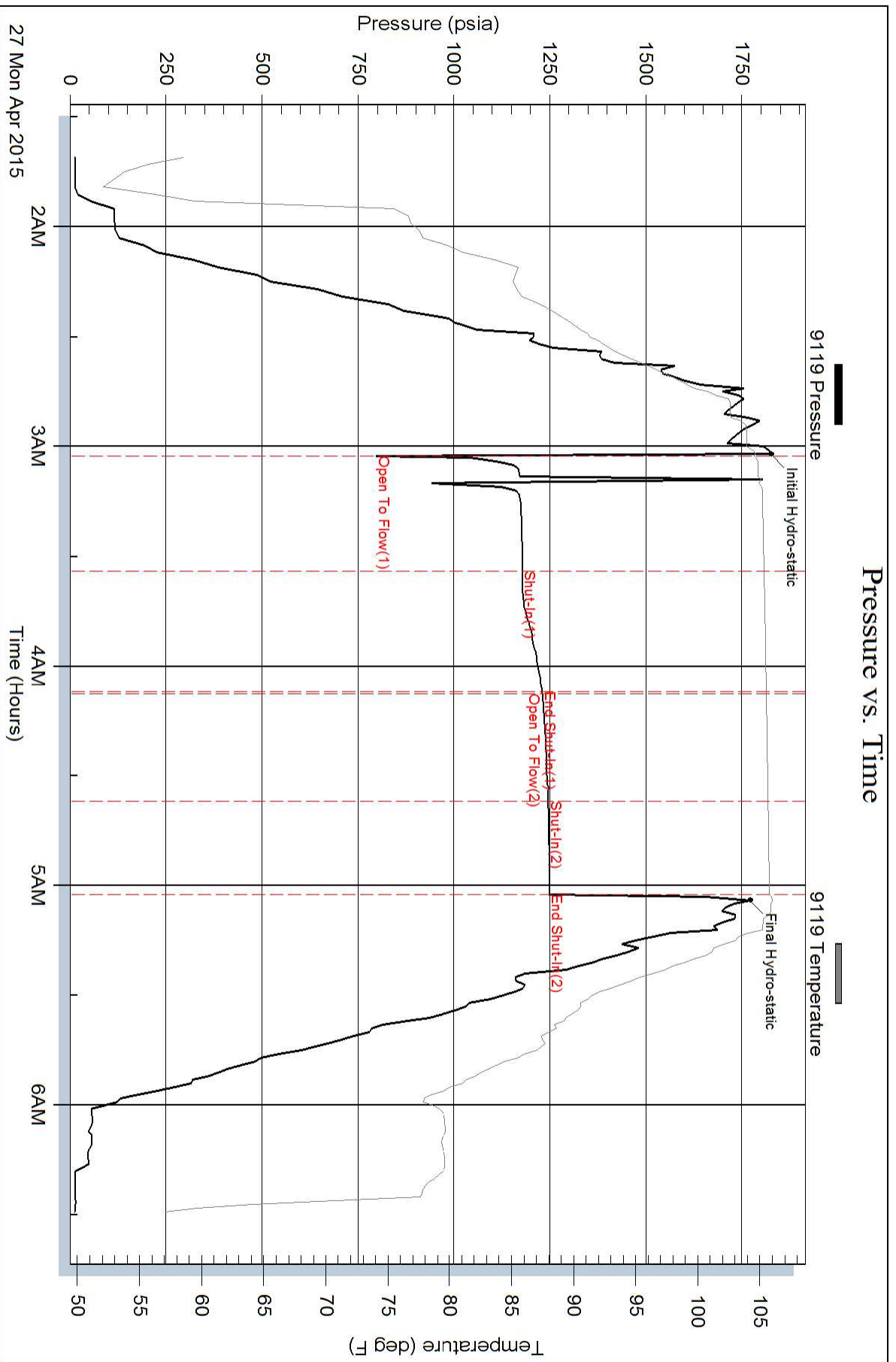
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	Drilling	0.561

Total Length: 40.00 ft Total Volume: 0.561 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time



Pressure vs. Time

