



DRILL STEM TEST REPORT

Prepared For: **Bengalia Land and Cattle Company**

PO Box 521008
Tulsa, Oklahoma
74152+1008

ATTN:

Myles McGehee #1-7

7/25S/30W/Gray

Start Date: 2014.06.03 @ 17:56:00

End Date: 2014.06.04 @ 03:58:00

Job Ticket #: 18268 DST #: 3

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2014.06.04 @ 04:10:45

Bengalia Land and Cattle Company

7/25S/30W/Gray

Myles McGehee #1-7

DST # 3

St Genevieve

2014.06.03



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Job Ticket: 18268

DST#: 3

Test Start: 2014.06.03 @ 17:56:00

GENERAL INFORMATION:

Formation: **St Genevieve**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:59:00

Time Test Ended: 03:58:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 3325 Scott City/110

Interval: 4867.00 ft (KB) To 4946.00 ft (KB) (TVD)

Reference Elevations: 2837.00 ft (KB)

Total Depth: 4946.00 ft (KB) (TVD)

2827.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 6749

Inside

Press@RunDepth: 94.68 psig @ 4942.57 ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.06.03

End Date:

2014.06.04

Last Calib.:

2014.06.04

Start Time:

17:56:00

End Time:

03:58:00

Time On Btm:

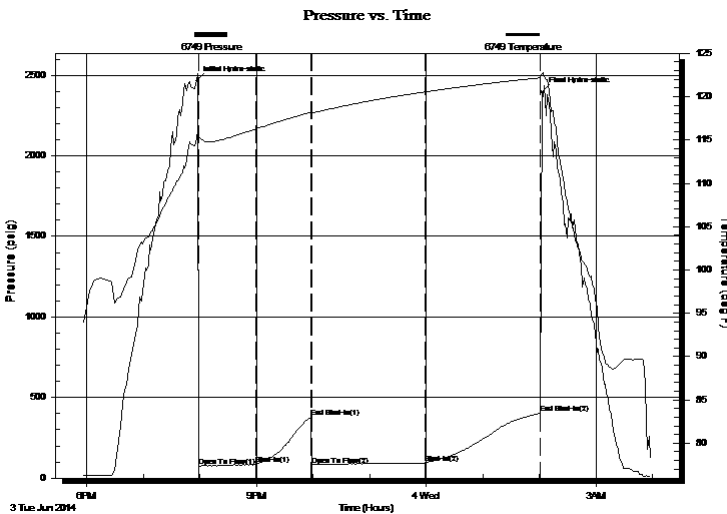
2014.06.03 @ 19:57:00

Time Off Btm:

2014.06.04 @ 02:02:30

TEST COMMENT: 1ST Open 60 Minutes/Weak blow/Blow built to 3 inches
1ST Shut In 60 Minutes/No blow back
2ND Open 120 Minutes/Dead no blow
2ND Shut In 120 Minutes/No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2464.92	115.12	Initial Hydro-static
2	73.81	115.40	Open To Flow (1)
63	84.84	116.28	Shut-In(1)
121	375.41	118.18	End Shut-In(1)
122	82.01	118.13	Open To Flow (2)
242	94.68	120.55	Shut-In(2)
364	402.36	122.16	End Shut-In(2)
366	2395.96	122.66	Final Hydro-static

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
45.00	Lightly oil spotted Mud/Mud 100%	0.63

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



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Reference Elevations: 2837.00 ft (KB)

Total Depth: 4946.00 ft (KB) (TVD)

2827.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8938 Outside

Press@RunDepth: 401.01 psig @ 4943.57 ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.06.03

End Date: 2014.06.04

Last Calib.: 2014.06.04

Start Time: 17:56:00

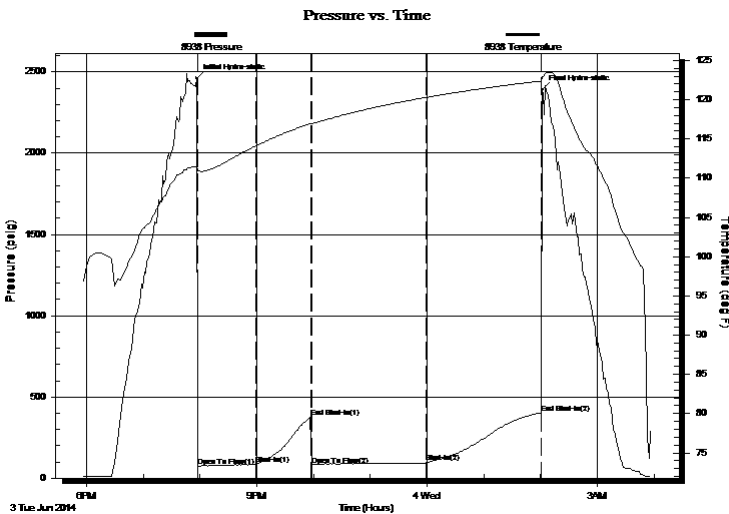
End Time: 03:57:30

Time On Btm: 2014.06.03 @ 19:56:30

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TEST COMMENT: 1ST Open 60 Minutes/Weak blow/Blow built to 3 inches
1ST Shut In 60 Minutes/No blow back
2ND Open 120 Minutes/Dead no blow
2ND Shut In 120 Minutes/No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2461.48	111.53	Initial Hydro-static
2	72.72	110.97	Open To Flow (1)
62	83.91	114.07	Shut-In(1)
121	374.33	116.97	End Shut-In(1)
122	80.65	116.92	Open To Flow (2)
243	95.90	120.29	Shut-In(2)
365	401.01	122.37	End Shut-In(2)
366	2389.70	122.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	Lightly oil spotted Mud/Mud 100%	0.63

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Bengalia Land and Cattle Company

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Job Ticket: 18268

DST#: 3

Test Start: 2014.06.03 @ 17:56:00

Tool Information

Drill Pipe:	Length: 4844.00 ft	Diameter: 3.80 inches	Volume: 67.95 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
			Total Volume: 67.95 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 84000.00 lb
Depth to Top Packer:	4867.00 ft			Final 84000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	79.57 ft			
Tool Length:	107.57 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: Shale packer used
Replace damaged shale packer

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			4844.00	
Hydraulic tool	5.00			4849.00	
Jars	6.00			4855.00	
Safety Joint	2.00			4857.00	
Top Packer	5.00			4862.00	
Packer	5.00			4867.00	28.00 Bottom Of Top Packer
Anchor	6.00			4873.00	
Change Over Sub	0.75			4873.75	
Drill Pipe	31.07			4904.82	
Change Over Sub	0.75			4905.57	
Anchor	36.00			4941.57	
Recorder	1.00	6749	Inside	4942.57	
Recorder	1.00	8938	Outside	4943.57	
Bullnose	3.00			4946.57	79.57 Anchor Tool

Total Tool Length: 107.57



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 68.00 sec/qt
Water Loss: 8.80 in³
Resistivity: ohm.m
Salinity: 4100.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	Lightly oil spotted Mud/Mud 100%	0.631

Total Length: 45.00 ft Total Volume: 0.631 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

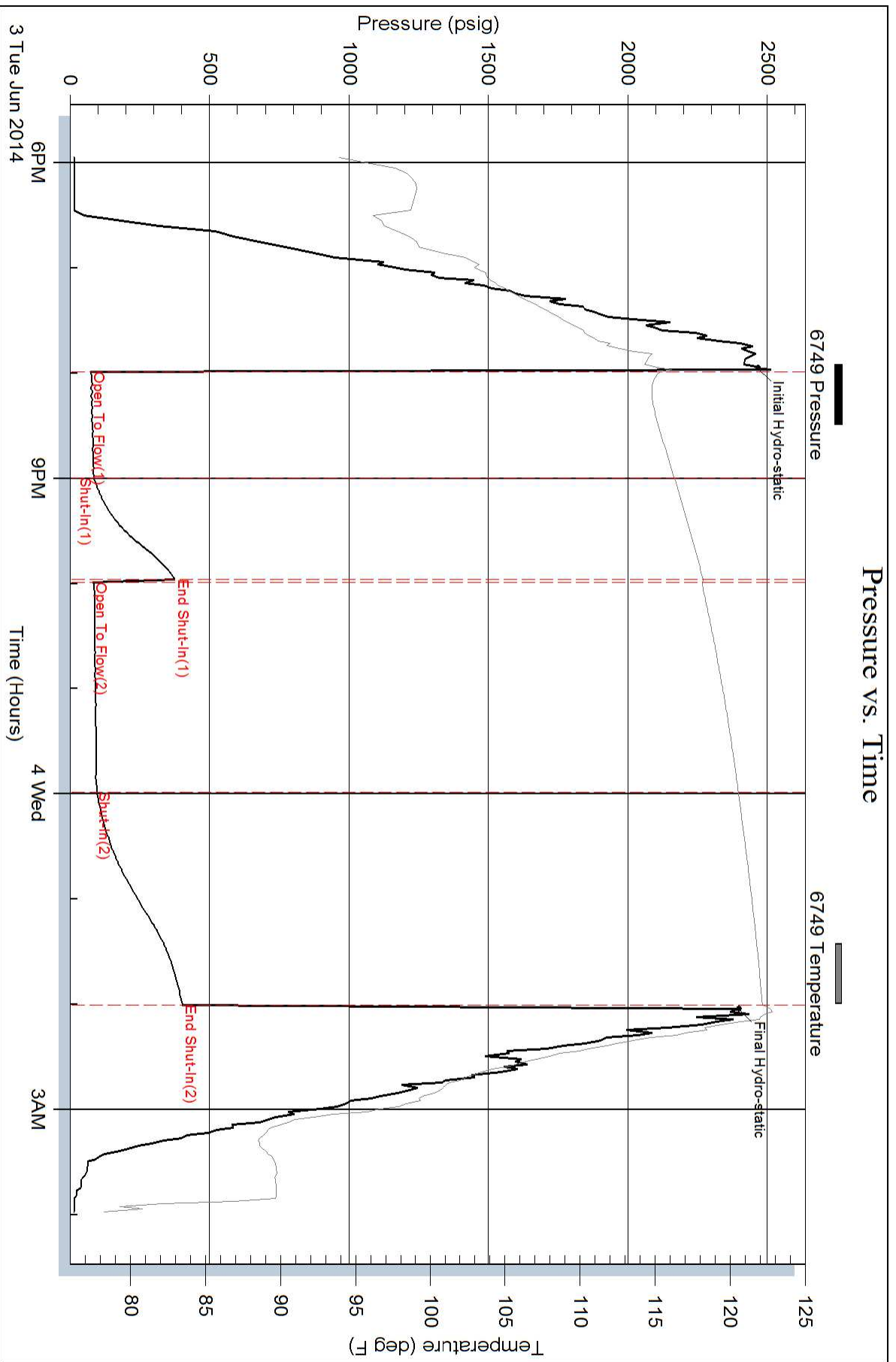
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



Pressure vs. Time

