



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co., Inc.**

250 N Water STE 300
Wichita, KS 67202

ATTN: Bob Stolze

Agnes #1-7

7-16s-32w Scott,KS

Start Date: 2012.07.21 @ 13:42:00

End Date: 2012.07.21 @ 21:12:30

Job Ticket #: 47065 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.07.25 @ 16:02:11



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc.

7-16s-32w Scott,KS

250 N Water STE 300
Wichita, KS 67202

Agnes #1-7

Job Ticket: 47065

DST#: 1

ATTN: Bob Stolzle

Test Start: 2012.07.21 @ 13:42:00

GENERAL INFORMATION:

Formation: **LKC "K" Zone**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:08:00

Time Test Ended: 21:12:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Sam Esparza

Unit No: 64

Interval: 4270.00 ft (KB) To 4310.00 ft (KB) (TVD)

Reference Elevations: 3021.00 ft (KB)

Total Depth: 4310.00 ft (KB) (TVD)

3010.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8844 Outside

Press @ Run Depth: 877.77 psig @ 4271.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.07.21

End Date:

2012.07.21

Last Calib.:

2012.07.21

Start Time: 13:42:30

End Time:

21:12:30

Time On Btm:

2012.07.21 @ 16:07:00

Time Off Btm:

2012.07.21 @ 18:56:00

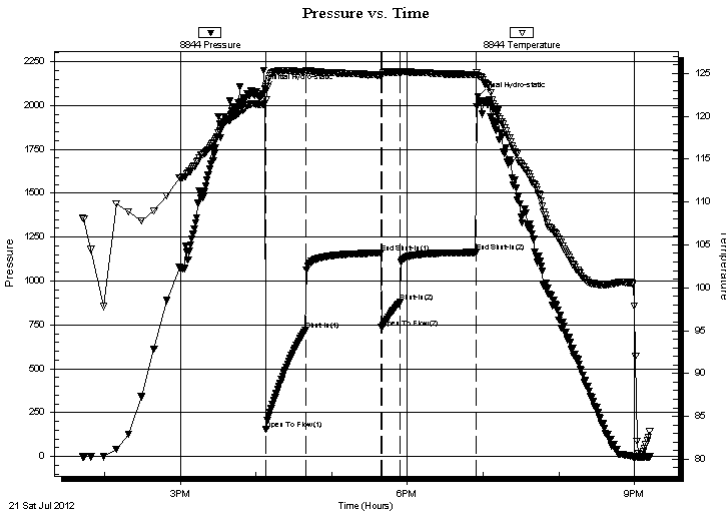
TEST COMMENT: IF: BOB @ 2 min.

IS: No return.

FF: BOB @ 3 1/2 min.

FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2094.60	121.46	Initial Hydro-static
1	153.19	121.94	Open To Flow (1)
32	719.29	125.18	Shut-In(1)
92	1160.28	124.80	End Shut-In(1)
93	734.32	124.71	Open To Flow (2)
107	877.77	125.10	Shut-In(2)
167	1163.00	124.86	End Shut-In(2)
169	2051.73	124.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
260.00	MW 50m 50w	1.48
315.00	MW 20m 80w	4.42
1260.00	MW 5m 95w	17.67

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co., Inc.

7-16s-32w Scott,KS

250 N Water STE 300
Wichita, KS 67202

Agnes #1-7

Job Ticket: 47065

DST#: 1

ATTN: Bob Stolzle

Test Start: 2012.07.21 @ 13:42:00

Tool Information

Drill Pipe:	Length: 4018.00 ft	Diameter: 3.80 inches	Volume: 56.36 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: 238.00 ft	Diameter: 2.25 inches	Volume: 1.17 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 57.53 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 77000.00 lb
Depth to Top Packer:	4270.00 ft			Final 82000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	69.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			4242.00	
Shut In Tool	5.00			4247.00	
Hydraulic tool	5.00			4252.00	
Jars	5.00			4257.00	
Safety Joint	3.00			4260.00	
Packer	5.00			4265.00	29.00 Bottom Of Top Packer
Packer	5.00			4270.00	
Stubb	1.00			4271.00	
Recorder	0.00	8846	Outside	4271.00	
Recorder	0.00	8844	Outside	4271.00	
Perforations	35.00			4306.00	
Bullnose	4.00			4310.00	40.00 Bottom Packers & Anchor

Total Tool Length: 69.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc.

7-16s-32w Scott,KS

250 N Water STE 300
Wichita, KS 67202

Agnes #1-7

Job Ticket: 47065

DST#: 1

ATTN: Bob Stolzle

Test Start: 2012.07.21 @ 13:42:00

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:

48000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2300.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
260.00	MW 50m 50w	1.479
315.00	MW 20m 80w	4.419
1260.00	MW 5m 95w	17.674

Total Length: 1835.00 ft Total Volume: 23.572 bbl

Num Fluid Samples: 0

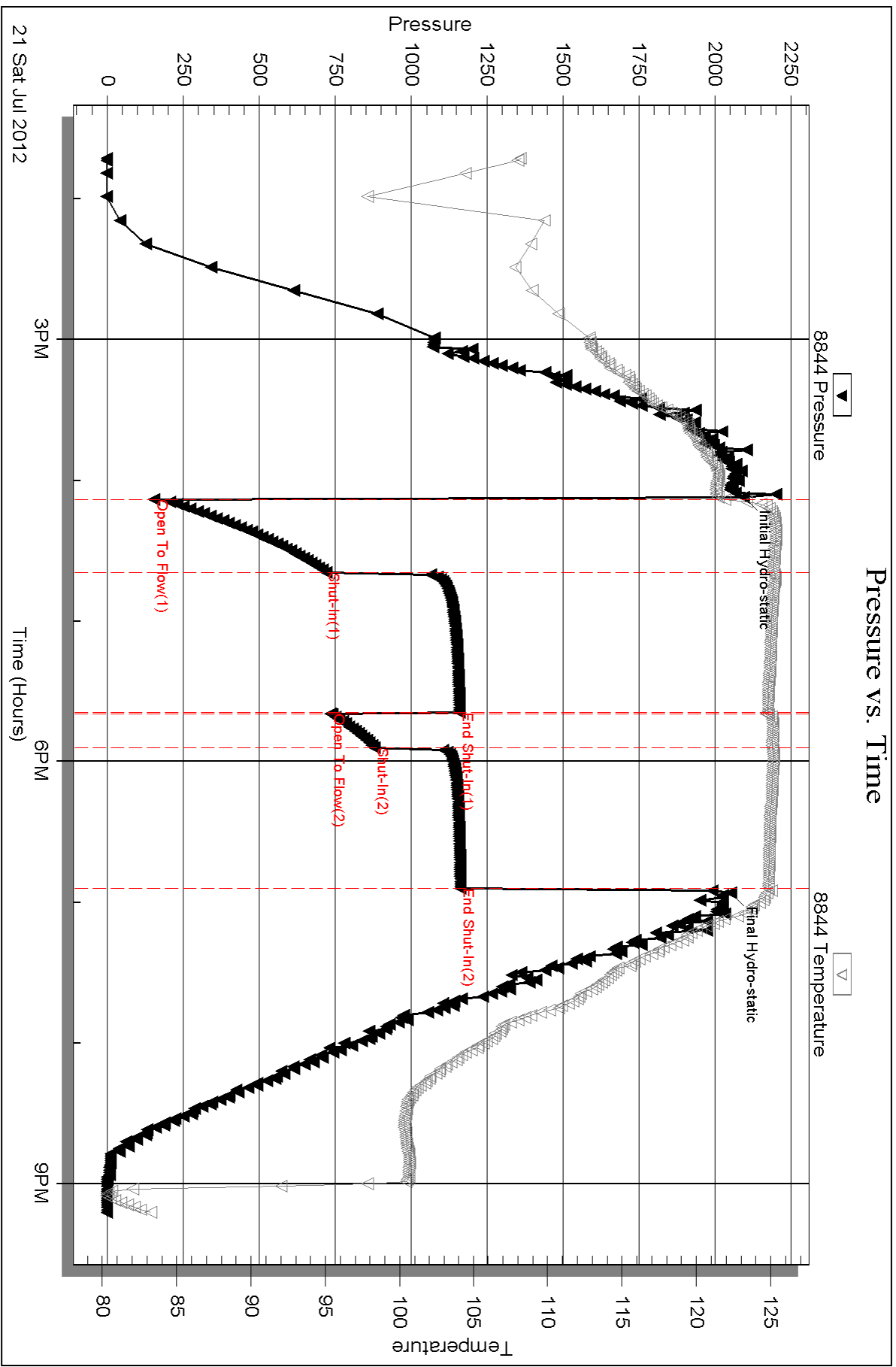
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .11 @ 98 Degrees= 48000 ppm





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co., Inc.**

250 N Water STE 300
Wichita, KS 67202

ATTN: Bob Stolze

Agnes #1-7

7-16s-32w Scott,KS

Start Date: 2012.07.22 @ 21:22:00

End Date: 2012.07.23 @ 04:27:30

Job Ticket #: 47065 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.07.25 @ 16:01:27

Murfin Drilling Co., Inc.
7-16s-32w Scott,KS
Agnes #1-7
DST # 2
Marmaton- Pawnee
2012.07.22



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc.

7-16s-32w Scott,KS

250 N Water STE 300
Wichita, KS 67202

Agnes #1-7

Job Ticket: 47065

DST#: 2

ATTN: Bob Stolzle

Test Start: 2012.07.22 @ 21:22:00

GENERAL INFORMATION:

Formation: **Marmaton- Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:18:00

Time Test Ended: 04:27:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Sam Esparza

Unit No: 64

Interval: 4408.00 ft (KB) To 4515.00 ft (KB) (TVD)

Reference Elevations: 3021.00 ft (KB)

Total Depth: 4515.00 ft (KB) (TVD)

3010.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8844 Outside

Press @ RunDepth: 19.30 psig @ 4409.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.07.22

End Date:

2012.07.23

Last Calib.:

2012.07.23

Start Time: 21:22:30

End Time:

04:27:30

Time On Btm:

2012.07.22 @ 23:17:00

Time Off Btm:

2012.07.23 @ 02:22:30

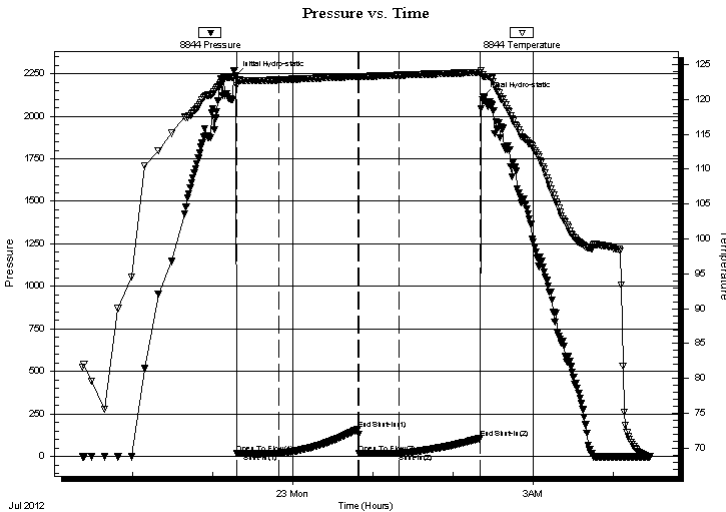
TEST COMMENT: IF: 1/4" blow died @ 28 min.

IS: No return.

FF: No blow.

FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2238.03	123.28	Initial Hydro-static
1	17.07	122.02	Open To Flow (1)
32	16.82	122.81	Shut-In(1)
92	161.21	123.30	End Shut-In(1)
93	18.10	123.28	Open To Flow (2)
122	19.30	123.48	Shut-In(2)
183	106.83	123.87	End Shut-In(2)
186	2115.75	123.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	MO 5m 95o	0.01

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co., Inc.

7-16s-32w Scott,KS

250 N Water STE 300
Wichita, KS 67202

Agnes #1-7

Job Ticket: 47065

DST#: 2

ATTN: Bob Stolzle

Test Start: 2012.07.22 @ 21:22:00

Tool Information

Drill Pipe:	Length: 4146.00 ft	Diameter: 3.80 inches	Volume: 58.16 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: 238.00 ft	Diameter: 2.25 inches	Volume: 1.17 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 59.33 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	70000.00 lb
Depth to Top Packer:	4408.00 ft			Final	70000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	107.00 ft				
Tool Length:	136.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4380.00	
Shut In Tool	5.00			4385.00	
Hydraulic tool	5.00			4390.00	
Jars	5.00			4395.00	
Safety Joint	3.00			4398.00	
Packer	5.00			4403.00	29.00 Bottom Of Top Packer
Packer	5.00			4408.00	
Stubb	1.00			4409.00	
Recorder	0.00	8846	Outside	4409.00	
Recorder	0.00	8844	Outside	4409.00	
Perforations	37.00			4446.00	
Change Over Sub	1.00			4447.00	
Drill Pipe	63.00			4510.00	
Change Over Sub	1.00			4511.00	
Bullnose	4.00			4515.00	107.00 Bottom Packers & Anchor

Total Tool Length: 136.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc.

7-16s-32w Scott,KS

250 N Water STE 300
Wichita, KS 67202

Agnes #1-7

Job Ticket: 47065

DST#: 2

ATTN: Bob Stolzle

Test Start: 2012.07.22 @ 21:22:00

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:

bbbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	MO 5m 95o	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

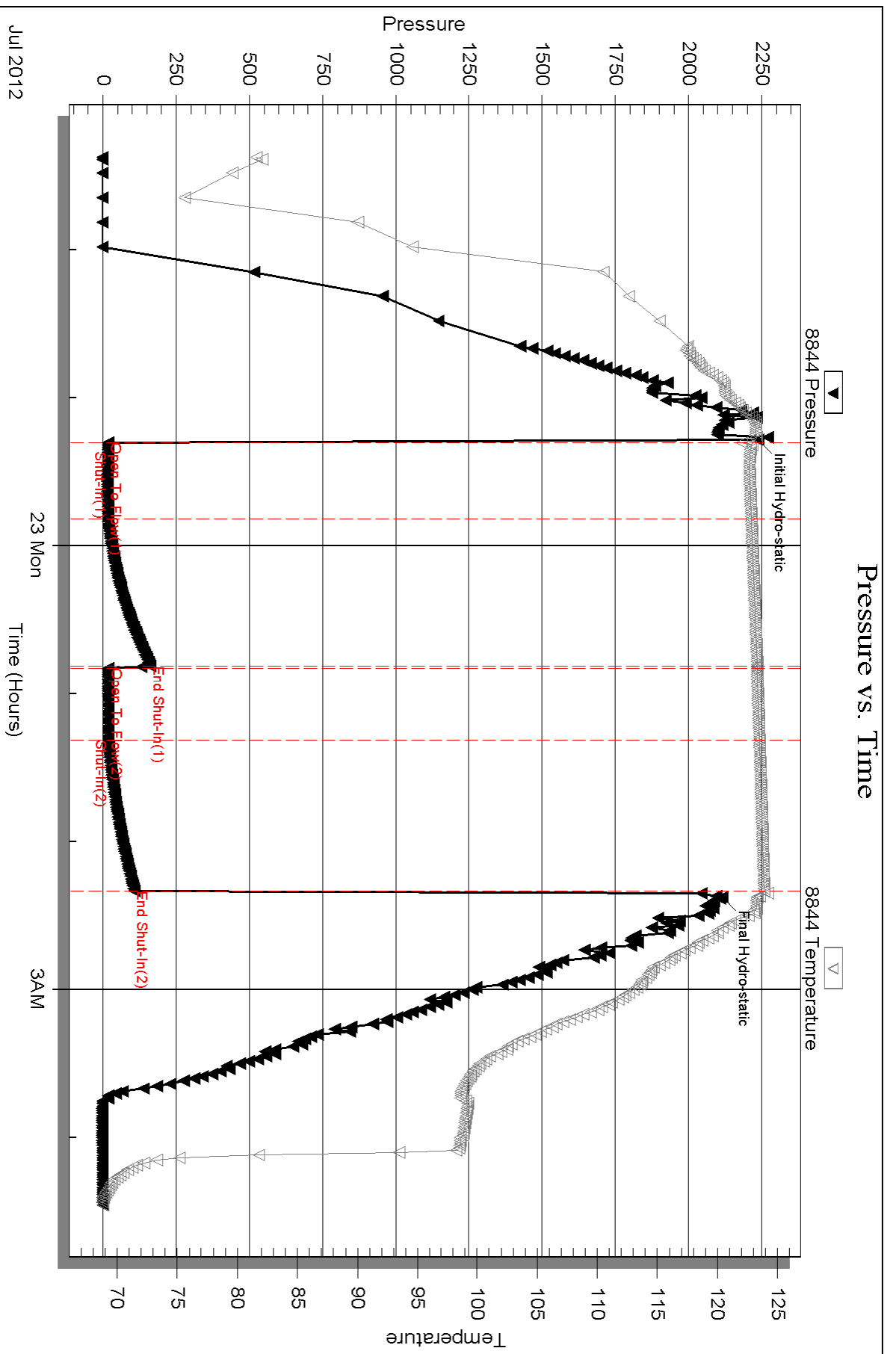
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co., Inc.**

250 N Water STE 300
Wichita, KS 67202

ATTN: Bob Stolze

Agnes #1-7

7-16s-32w Scott,KS

Start Date: 2012.07.23 @ 19:12:00

End Date: 2012.07.24 @ 03:43:30

Job Ticket #: 47067 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.07.25 @ 16:00:33



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc.

7-16s-32w Scott,KS

250 N Water STE 300
Wichita, KS 67202

Agnes #1-7

ATTN: Bob Stolzle

Job Ticket: 47067

DST#: 3

Test Start: 2012.07.23 @ 19:12:00

GENERAL INFORMATION:

Formation: **Ft. Scott- Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:26:30

Time Test Ended: 03:43:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Sam Esparza

Unit No: 64

Interval: 4518.00 ft (KB) To 4620.00 ft (KB) (TVD)

Reference Elevations: 3021.00 ft (KB)

Total Depth: 4620.00 ft (KB) (TVD)

3010.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8844 Outside

Press @ Run Depth: 53.63 psig @ 4519.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.07.23

End Date:

2012.07.24

Last Calib.: 2012.07.24

Start Time: 19:12:30

End Time:

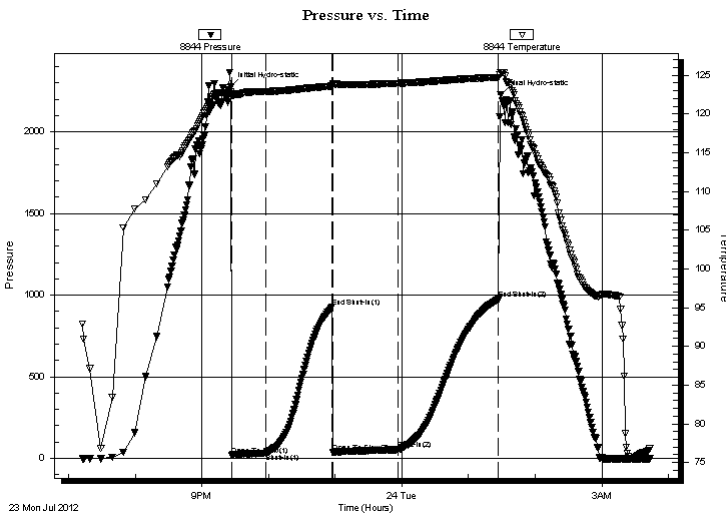
03:43:30

Time On Btm: 2012.07.23 @ 21:26:00

Time Off Btm: 2012.07.24 @ 01:29:00

TEST COMMENT: IF: 1 1/4" blow.
IS: No return.
FF: 1 1/2" blow.
FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2275.30	122.82	Initial Hydro-static
1	20.05	122.36	Open To Flow (1)
31	31.86	122.88	Shut-In(1)
91	925.77	123.58	End Shut-In(1)
92	36.34	123.84	Open To Flow (2)
151	53.63	123.95	Shut-In(2)
241	974.24	124.73	End Shut-In(2)
243	2227.97	125.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	OCM 5o 95m	0.34

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co., Inc.

7-16s-32w Scott,KS

250 N Water STE 300
Wichita, KS 67202

Agnes #1-7

Job Ticket: 47067

DST#: 3

ATTN: Bob Stolzle

Test Start: 2012.07.23 @ 19:12:00

Tool Information

Drill Pipe:	Length: 4269.00 ft	Diameter: 3.80 inches	Volume: 59.88 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: 238.00 ft	Diameter: 2.25 inches	Volume: 1.17 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 61.05 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 73000.00 lb
Depth to Top Packer:	4518.00 ft			Final 73000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	102.00 ft			
Tool Length:	131.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4490.00	
Shut In Tool	5.00			4495.00	
Hydraulic tool	5.00			4500.00	
Jars	5.00			4505.00	
Safety Joint	3.00			4508.00	
Packer	5.00			4513.00	29.00 Bottom Of Top Packer
Packer	5.00			4518.00	
Stubb	1.00			4519.00	
Recorder	0.00	8845	Outside	4519.00	
Recorder	0.00	8844	Outside	4519.00	
Perforations	20.00			4539.00	
Change Over Sub	1.00			4540.00	
Drill Pipe	63.00			4603.00	
Change Over Sub	1.00			4604.00	
Perforations	12.00			4616.00	
Bullnose	4.00			4620.00	102.00 Bottom Packers & Anchor
Total Tool Length:	131.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc.

7-16s-32w Scott,KS

250 N Water STE 300
Wichita, KS 67202

Agnes #1-7

Job Ticket: 47067

DST#: 3

ATTN: Bob Stolzle

Test Start: 2012.07.23 @ 19:12:00

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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2700.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	OCM 5o 95m	0.344

Total Length: 70.00 ft Total Volume: 0.344 bbl

Num Fluid Samples: 0

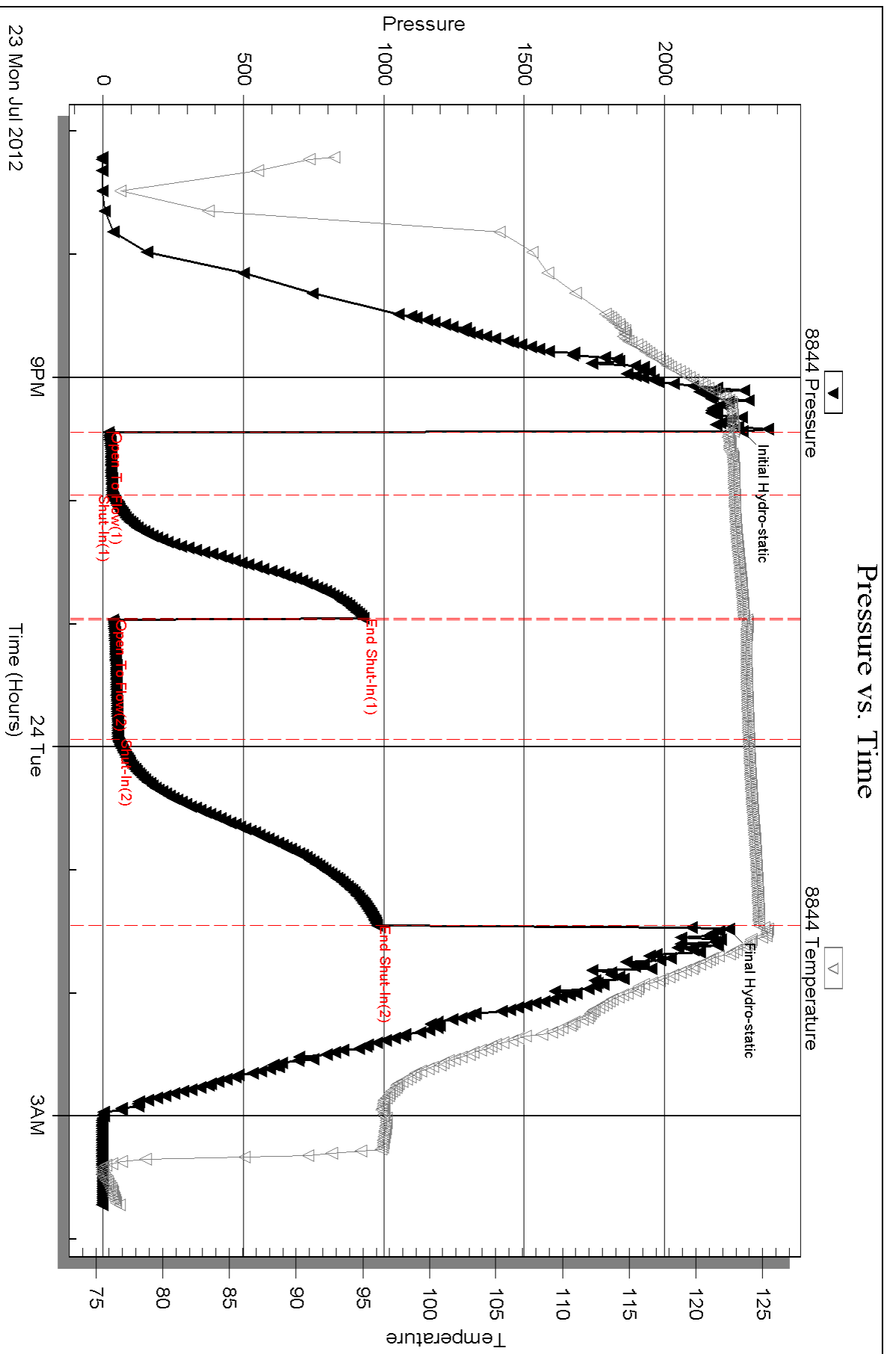
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co., Inc.**

250 N Water STE 300
Wichita, KS 67202

ATTN: Bob Stolzle

Agnes #1-7

7-16s-32w Scott,KS

Start Date: 2012.07.24 @ 01:09:00

End Date: 2012.07.24 @ 09:43:30

Job Ticket #: 47068 DST #: 4

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.07.25 @ 15:59:43



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc.

7-16s-32w Scott, KS

250 N Water STE 300
Wichita, KS 67202

Agnes #1-7

Job Ticket: 47068

DST#: 4

ATTN: Bob Stolzle

Test Start: 2012.07.24 @ 01:09:00

GENERAL INFORMATION:

Formation: **Atoka-Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:21:30

Time Test Ended: 09:43:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Sam Esparza

Unit No: 64

Interval: 4607.00 ft (KB) To 4647.00 ft (KB) (TVD)

Reference Elevations: 3021.00 ft (KB)

Total Depth: 4647.00 ft (KB) (TVD)

3010.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8844 Outside

Press @ Run Depth: 43.74 psig @ 4608.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.07.24

End Date:

2012.07.24

Last Calib.:

2012.07.24

Start Time: 01:09:30

End Time:

09:43:30

Time On Btm:

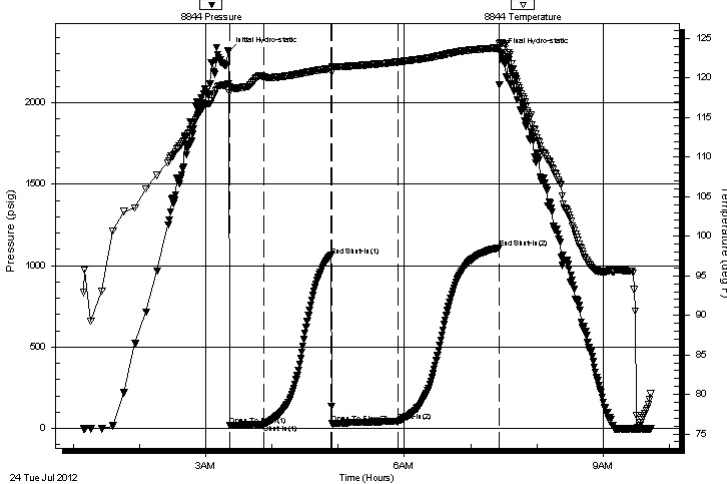
2012.07.24 @ 03:21:00

Time Off Btm:

2012.07.24 @ 07:27:30

TEST COMMENT: IF: 1 1/4" Blow.
IS: No return.
FF: 3 1/4" Blow.
FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2315.99	119.32	Initial Hydro-static
1	17.17	118.16	Open To Flow (1)
32	26.31	120.10	Shut-In(1)
93	1061.85	121.22	End Shut-In(1)
94	30.49	121.40	Open To Flow (2)
154	43.74	122.05	Shut-In(2)
245	1109.28	123.83	End Shut-In(2)
247	2306.46	124.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OCM 5o 95m	0.02
60.00	OCM 20o 80m	0.30

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co., Inc.

7-16s-32w Scott,KS

250 N Water STE 300
Wichita, KS 67202

Agnes #1-7

Job Ticket: 47068

DST#: 4

ATTN: Bob Stolzle

Test Start: 2012.07.24 @ 01:09:00

Tool Information

Drill Pipe:	Length: 4365.00 ft	Diameter: 3.80 inches	Volume: 61.23 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: 238.00 ft	Diameter: 2.25 inches	Volume: 1.17 bbl	Weight to Pull Loose:	85000.00 lb
			<u>Total Volume: 62.40 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	75000.00 lb
Depth to Top Packer:	4607.00 ft			Final	75000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	40.00 ft				
Tool Length:	69.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			4579.00	
Shut In Tool	5.00			4584.00	
Hydraulic tool	5.00			4589.00	
Jars	5.00			4594.00	
Safety Joint	3.00			4597.00	
Packer	5.00			4602.00	29.00 Bottom Of Top Packer
Packer	5.00			4607.00	
Stubb	1.00			4608.00	
Recorder	0.00	8846	Outside	4608.00	
Recorder	0.00	8844	Outside	4608.00	
Perforations	35.00			4643.00	
Bullnose	4.00			4647.00	40.00 Bottom Packers & Anchor

Total Tool Length: 69.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc.

7-16s-32w Scott,KS

250 N Water STE 300
Wichita, KS 67202

Agnes #1-7

Job Ticket: 47068

DST#: 4

ATTN: Bob Stolzle

Test Start: 2012.07.24 @ 01:09:00

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: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
5.00	OCM 5o 95m	0.025
60.00	OCM 20o 80m	0.295

Total Length: 65.00 ft Total Volume: 0.320 bbl

Num Fluid Samples: 0

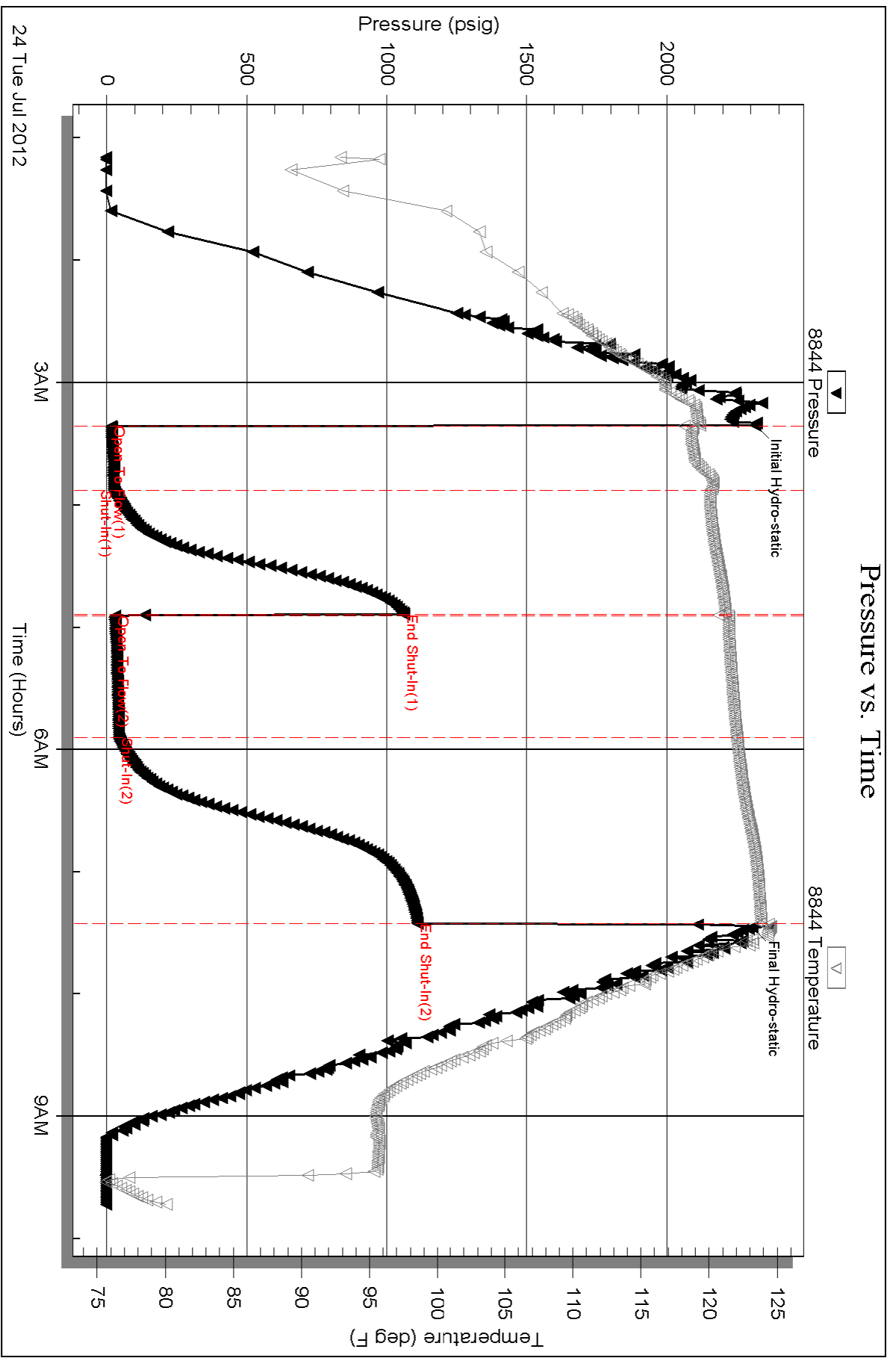
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. **47065**

Well Name & No. Agnes #1-7 Test No. 1 Date 7/21/12
 Company Murfin Drilling Co., Inc Elevation 3021 KB 3010 GL
 Address 250 N Water STE 300 Wichita, Ks 67202
 Co. Rep / Geo. Bob Stolzle Rig Murfin #21
 Location: Sec. NE7 Twp. 16E Rge. 32W Co. Scott State Ks

Interval Tested 4270-4310 Zone Tested LKC "K" zone
 Anchor Length 40' Drill Pipe Run 4018 Mud Wt. 9.3
 Top Packer Depth 4266 Drill Collars Run 238 Vis SS
 Bottom Packer Depth 4270 Wt. Pipe Run Ø WL 6.4
 Total Depth 4310 Chlorides 2300 ppm System LCM 6

Blow Description BoB @ 2 min.
No Return.
BoB @ 3 1/2 min.
No Return.

Rec	Feet of MW	%gas	%oil	%water	%mud
<u>260</u>				<u>50</u>	<u>50</u>
<u>315</u>				<u>80</u>	<u>20</u>
<u>1260</u>				<u>95</u>	<u>5</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 1635 BHT 125 Gravity — API RW all @ 98 °F Chlorides 48,000 ppm

(A) Initial Hydrostatic	<u>2095</u>	<input checked="" type="checkbox"/> Test	<u>1250</u>	T-On Location	<u>12:00</u>
(B) First Initial Flow	<u>153</u>	<input checked="" type="checkbox"/> Jars	<u>250</u>	T-Started	<u>13:42</u>
(C) First Final Flow	<u>719</u>	<input checked="" type="checkbox"/> Safety Joint	<u>75</u>	T-Open	<u>16:08</u>
(D) Initial Shut-In	<u>1160</u>	<input checked="" type="checkbox"/> Circ Sub	<u>N/C</u>	T-Pulled	<u>18:54</u>
(E) Second Initial Flow	<u>734</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>21:13</u>
(F) Second Final Flow	<u>878</u>	<input checked="" type="checkbox"/> Mileage	<u>40 R/T</u> 62	Comments	
(G) Final Shut-In	<u>1163</u>	<input type="checkbox"/> Sampler			
(H) Final Hydrostatic	<u>2052</u>	<input type="checkbox"/> Straddle		<input type="checkbox"/> Ruined Shale Packer	
Initial Open	<u>30</u>	<input type="checkbox"/> Shale Packer		<input type="checkbox"/> Ruined Packer	
Initial Shut-In	<u>60</u>	<input type="checkbox"/> Extra Packer		<input type="checkbox"/> Extra Copies	
Final Flow	<u>15</u>	<input type="checkbox"/> Extra Recorder		Sub Total	<u>0</u>
Final Shut-In	<u>60</u>	<input type="checkbox"/> Day Standby		Total	<u>1637</u>
		<input type="checkbox"/> Accessibility		MP/DST Disc't	
		Sub Total	<u>1637</u>		

Approved By Robert Stally Agent Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged or destroyed property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47066

4/10

Well Name & No. Agnes #1-7 Test No. 2 Date 7/22/12
 Company Murfin Drilling Co., Inc Elevation 3021 KB 3010 GL
 Address 250 N Water STE 300 Wichita, Ks 67202
 Co. Rep / Geo. Bob Stolze Rig Murfin #21
 Location: Sec. NE7 Twp. 16S Rge. 32W Co. Scott State KS

Interval Tested 4408-4515 Zone Tested Marmaton-Pawnee
 Anchor Length 107' Drill Pipe Run 4146 Mud Wt. 9.1
 Top Packer Depth 4404 Drill Collars Run 238 Vis 60
 Bottom Packer Depth 4408 Wt. Pipe Run Ø WL 6.8
 Total Depth 4515 Chlorides 2400 ppm System LCM 6
 Blow Description 1/4" Blow died @ 28min.
No Return.
No Blow.
No Return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>MCO</u>		<u>95</u>		<u>5</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 2 BHT 124 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2238</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>21:00</u>
(B) First Initial Flow <u>17</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>21:22</u>
(C) First Final Flow <u>17</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>23:18</u>
(D) Initial Shut-In <u>161</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>2:20</u>
(E) Second Initial Flow <u>18</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>4:28</u>
(F) Second Final Flow <u>19</u>	<input checked="" type="checkbox"/> Mileage <u>40 R/T</u> 62	Comments
(G) Final Shut-In <u>107</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2116</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>1637</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1637</u>	

Approved By _____ Our Representative [Signature]

TriLOBITE Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47067

Well Name & No. Agnes #1-7 Test No. 3 Date 7/23/12
 Company Murfin Drilling Co., Inc Elevation 3221 KB 3010 GL
 Address 250 N Water STE 300 Wichita, Ks 67202
 Co. Rep / Geo. Bob Stolzie Rig Murfin #21
 Location: Sec. NE7 Twp. 16S Rge. 32W Co. Scott State Ks

Interval Tested 4518-4620 Zone Tested Ft. Scott - Johnson
 Anchor Length 102' Drill Pipe Run 4269 Mud Wt. 9.3
 Top Packer Depth 4514 Drill Collars Run 238 Vis 58
 Bottom Packer Depth 4518 Wt. Pipe Run Ø WL 7.2
 Total Depth 4620 Chlorides 2700 ppm System LCM 5
 Blow Description 1 1/4" Blow,
No Return.
1 1/2" Blow,
No Return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>70</u>	<u>OCM</u>		<u>5</u>		<u>95</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

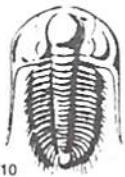
Rec Total 70 BHT 124 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2275</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>18:30</u>
(B) First Initial Flow <u>20</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>19:12</u>
(C) First Final Flow <u>32</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>21:26</u>
(D) Initial Shut-In <u>926</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>1:28</u>
(E) Second Initial Flow <u>36</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>3:44</u>
(F) Second Final Flow <u>54</u>	<input checked="" type="checkbox"/> Mileage <u>40 R/T</u> 62	Comments
(G) Final Shut-In <u>97H</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2228</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>90</u>	<input type="checkbox"/> Day Standby	Total <u>1637</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1637</u>	

Approved By _____

Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47068

Well Name & No. Agnes #1-7 Test No. 4 Date 7/24/12
 Company Murfin Drilling Co., Inc Elevation 3021 KB 3010 GL
 Address 250 N Water STE 300 Wichita, KS 67202
 Co. Rep / Geo. Bob Stoizle Rig Murfin #21
 Location: Sec. NE 7 Twp. 16 S Rge. 32 W Co. Scott State KS

Interval Tested 4607-4647 Zone Tested Atoka - Morrow
 Anchor Length 40' Drill Pipe Run 4365 Mud Wt. 9.4
 Top Packer Depth 4603 Drill Collars Run 238 Vis 62
 Bottom Packer Depth 4607 Wt. Pipe Run Ø WL 8.4
 Total Depth 4647 Chlorides 3500 ppm System LCM 5
 Blow Description 1 1/4" Blow.
No Return.
3 1/4" Blow.
No Return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>OCM</u>		<u>5</u>		<u>95</u>
<u>60</u>	<u>OCM</u>		<u>20</u>		<u>80</u>

Rec Total 65 BHT 124 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2316</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>13:00</u>
(B) First Initial Flow <u>17</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>13:09</u>
(C) First Final Flow <u>26</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>15:22</u>
(D) Initial Shut-In <u>1062</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>19:25</u>
(E) Second Initial Flow <u>30</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>21:44</u>
(F) Second Final Flow <u>44</u>	<input checked="" type="checkbox"/> Mileage <u>40 R/T X2</u> 124	Comments <u>picked up tools @ 1:00pm</u>
(G) Final Shut-In <u>1109</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2306</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>1699</u>
Final Shut-In <u>90</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1699</u>	

Approved By _____ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.