

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc.**

PO Box 458
Hays, KS 67601

ATTN: Mike Bair

21-8s-19w Rooks KS

Veverka D #2

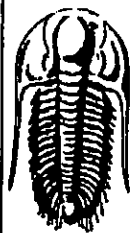
Start Date: 2011.01.08 @ 18:07:39

End Date: 2011.01.09 @ 00:53:54

Job Ticket #: 41285 DST #: 1

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Tengasco Inc.

PO Box 458
Hays, KS 67601

ATTN: Mike Bair

Veverka D #2

21-8s-19w Rooks KS

Job Ticket: 41285

DST#: 1

Test Start: 2011.01.08 @ 18:07:39

GENERAL INFORMATION:

Formation: "H-I-J-K"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:07:09

Time Test Ended: 00:53:54

Interval: 3315.00 ft (KB) To 3400.00 ft (KB) (TVD)

Total Depth: 3400.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 54

Reference Elevations: 2003.00 ft (KB)

1996.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8673

Inside

Press@RunDepth: 72.64 psig @ 3382.00 ft (KB)

Start Date: 2011.01.08

End Date:

2011.01.09

Start Time: 18:07:41

End Time:

00:53:54

Capacity: 8000.00 psig

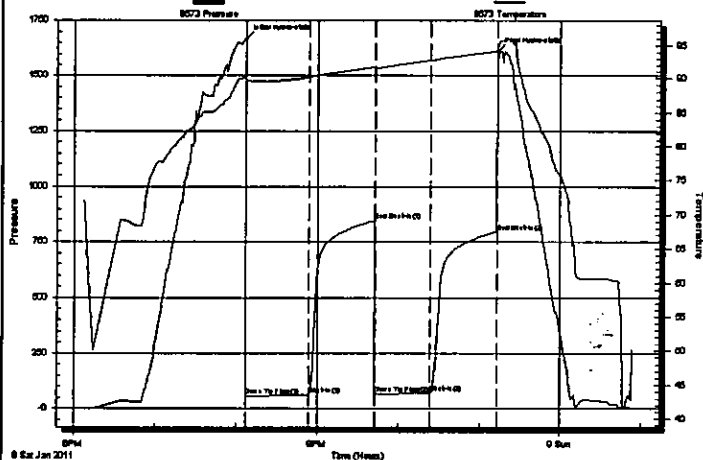
Last Calib.: 2011.01.09

Time On Btm: 2011.01.08 @ 20:06:54

Time Off Btm: 2011.01.08 @ 23:13:09

TEST COMMENT: IFP-Weak Blow ,Built to 3"
ISI-Dead
FFP-Weak Blow ,Built to 2"
FSI-Dead

Pressure vs. Time



PRESSURE SUMMARY

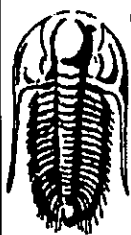
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1668.16	90.06	Initial Hydro-static
1	56.54	89.20	Open To Flow (1)
47	63.82	90.14	Shut-In(1)
96	845.84	91.75	End Shut-In(1)
96	66.84	91.34	Open To Flow (2)
137	72.64	92.74	Shut-In(2)
186	796.24	94.18	End Shut-In(2)
187	1612.80	94.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Drilling Mud	0.21

Gas Rates

Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco Inc.

Veverka D #2

PO Box 458
Hays, KS 67601

21-8s-19w Rooks KS

Job Ticket: 41285

DST#: 1

ATTN: Mike Bair

Test Start: 2011.01.08 @ 18:07:39

Tool Information

Drill Pipe:	Length: 3307.00 ft	Diameter: 3.80 inches	Volume: 46.39 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 40000.00 lb
		Total Volume: 46.39 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3315.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	85.00 ft			
Tool Length:	113.00 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			3288.00	
Shut In Tool	5.00			3293.00	
Hydraulic tool	5.00			3298.00	
Jars	5.00			3303.00	
Safety Joint	2.00			3305.00	
Packer	5.00			3310.00	28.00 Bottom Of Top Packer
Packer	5.00			3315.00	
Stubb	1.00			3316.00	
Perforations	1.00			3317.00	
Change Over Sub	1.00			3318.00	
Blank Spacing	63.00			3381.00	
Change Over Sub	1.00			3382.00	
Recorder	0.00	8673	Inside	3382.00	
Recorder	0.00	6755	Outside	3382.00	
Perforations	15.00			3397.00	
Bullnose	3.00			3400.00	85.00 Bottom Packers & Anchor
Total Tool Length:	113.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc.

Veverka D #2

PO Box 458
Hays, KS 67601

21-8s-19w Rooks KS

Job Ticket: 41285

DST#: 1

ATTN: Mike Bair

Test Start: 2011.01.08 @ 18:07:39

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: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Drilling Mud	0.210

Total Length: 15.00 ft

Total Volume: 0.210 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

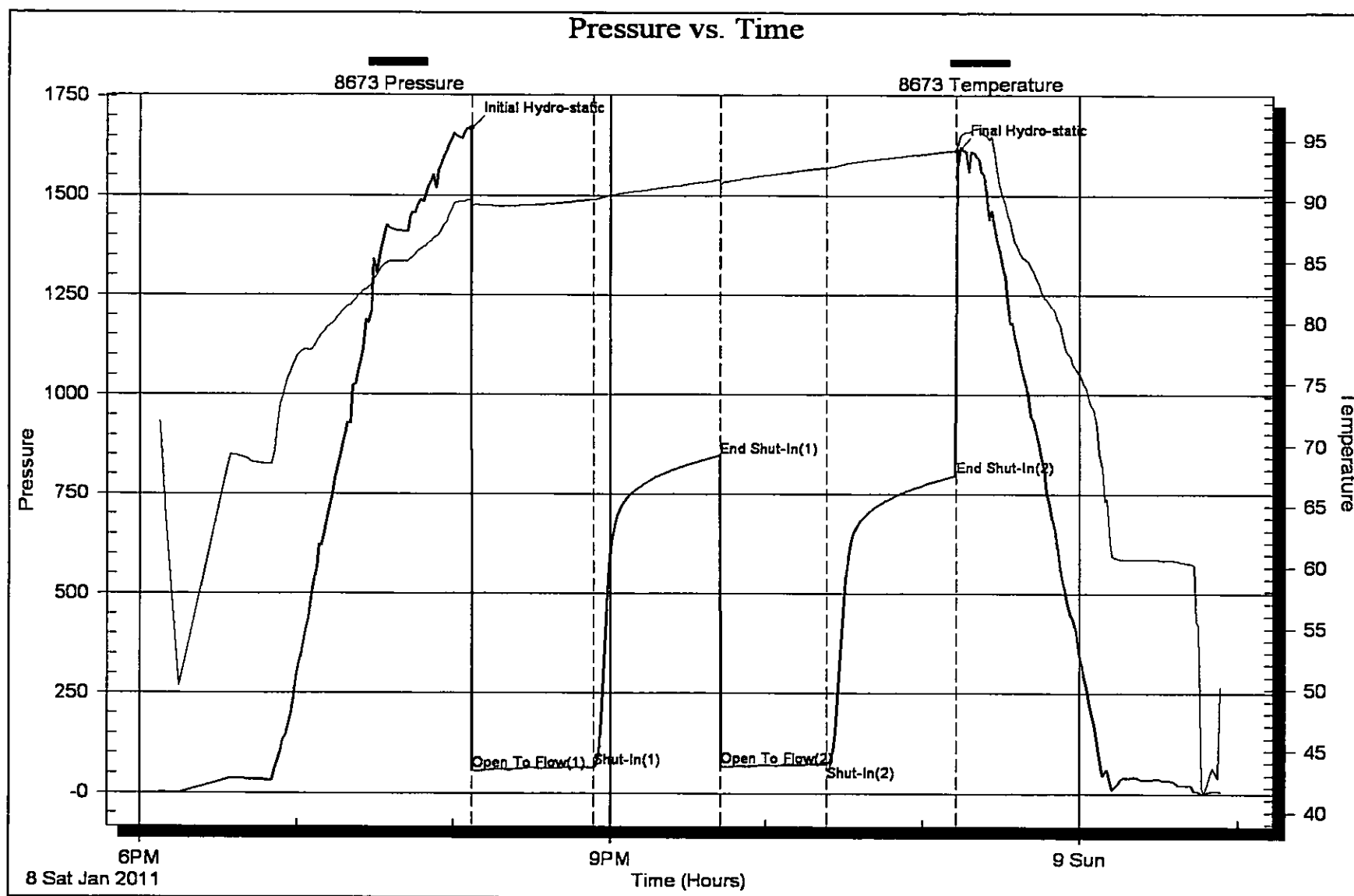
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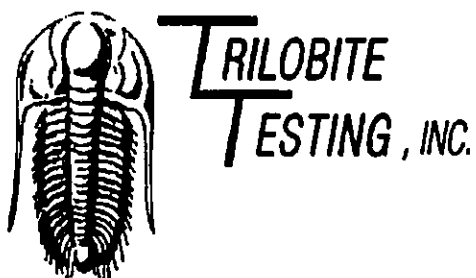
Serial #: 8673

Inside Tengasco Inc.

21-8s-19w Rooks KS

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc.**

PO Box 458
Hays, KS 67601

ATTN: Mike Bair

21-8s-19w Rooks KS

Veverka D #2

Start Date: 2011.01.09 @ 08:42:47

End Date: 2011.01.09 @ 15:48:47

Job Ticket #: 41286 DST #: 2

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

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TESTING, INC

DRILL STEM TEST REPORT

Tengasco Inc.

PO Box 458
Hays, KS 67601

ATTN: Mike Bair

Veverka D #2

21-8s-19w Rooks KS

Job Ticket: 41286

DST#: 2

Test Start: 2011.01.09 @ 08:42:47

GENERAL INFORMATION:

Formation: Arbuckle

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:42:47

Time Test Ended: 15:48:47

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 54

Interval: 3441.00 ft (KB) To 3448.00 ft (KB) (TVD)

Total Depth: 3448.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2003.00 ft (KB)

1996.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8673

Inside

Press@RunDepth: 20.50 psig @ 3442.00 ft (KB)

Start Date: 2011.01.09

End Date:

2011.01.09

Start Time: 08:42:49

End Time:

15:48:47

Capacity: 8000.00 psig

Last Calib.: 2011.01.09

Time On Btm: 2011.01.09 @ 10:42:17

Time Off Btm: 2011.01.09 @ 13:45:17

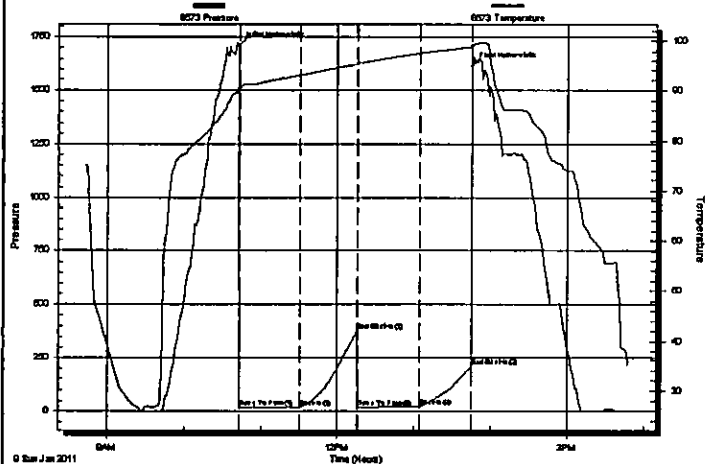
TEST COMMENT: IFP-Weak Blow,Built to 2-1/4"

ISI-Dead

FFP-Weak,Built to 1-1/4"

FSI-Dead

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1709.29	90.55	Initial Hydro-static
1	18.60	90.02	Open To Flow (1)
48	18.95	92.97	Shut-In(1)
94	377.71	95.31	End Shut-In(1)
94	19.56	95.22	Open To Flow (2)
142	20.50	97.54	Shut-In(2)
183	209.32	98.78	End Shut-In(2)
183	1614.66	99.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
8.00	Clean Oil	0.11
7.00	OCM	0.10

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco Inc.

Veverka D #2

PO Box 458
Hays, KS 67601

21-8s-19w Rooks KS

Job Ticket: 41286

DST#: 2

ATTN: Mike Bair

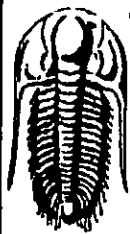
Test Start: 2011.01.09 @ 08:42:47

Tool Information

Drill Pipe:	Length: 3433.00 ft	Diameter: 3.80 inches	Volume: 48.16 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	40000.00 lb
			Total Volume: 48.16 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	36000.00 lb
Depth to Top Packer:	3441.00 ft			Final	36000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	7.00 ft				
Tool Length:	35.00 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			3414.00	
Shut In Tool	5.00			3419.00	
Hydraulic tool	5.00			3424.00	
Jars	5.00			3429.00	
Safety Joint	2.00			3431.00	
Packer	5.00			3436.00	28.00 Bottom Of Top Packer
Packer	5.00			3441.00	
Stubb	1.00			3442.00	
Recorder	0.00	8673	Inside	3442.00	
Recorder	0.00	6755	Outside	3442.00	
Perforations	3.00			3445.00	
Bullnose	3.00			3448.00	7.00 Bottom Packers & Anchor
Total Tool Length:		35.00			



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc.

Veverka D #2

PO Box 458
Hays, KS 67601

21-8s-19w Rooks KS

Job Ticket: 41286

DST#: 2

ATTN: Mike Bair

Test Start: 2011.01.09 @ 08:42:47

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

24 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbf

Water Loss: 11.95 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
8.00	Clean Oil	0.112
7.00	OCM	0.098

Total Length: 15.00 ft

Total Volume: 0.210 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

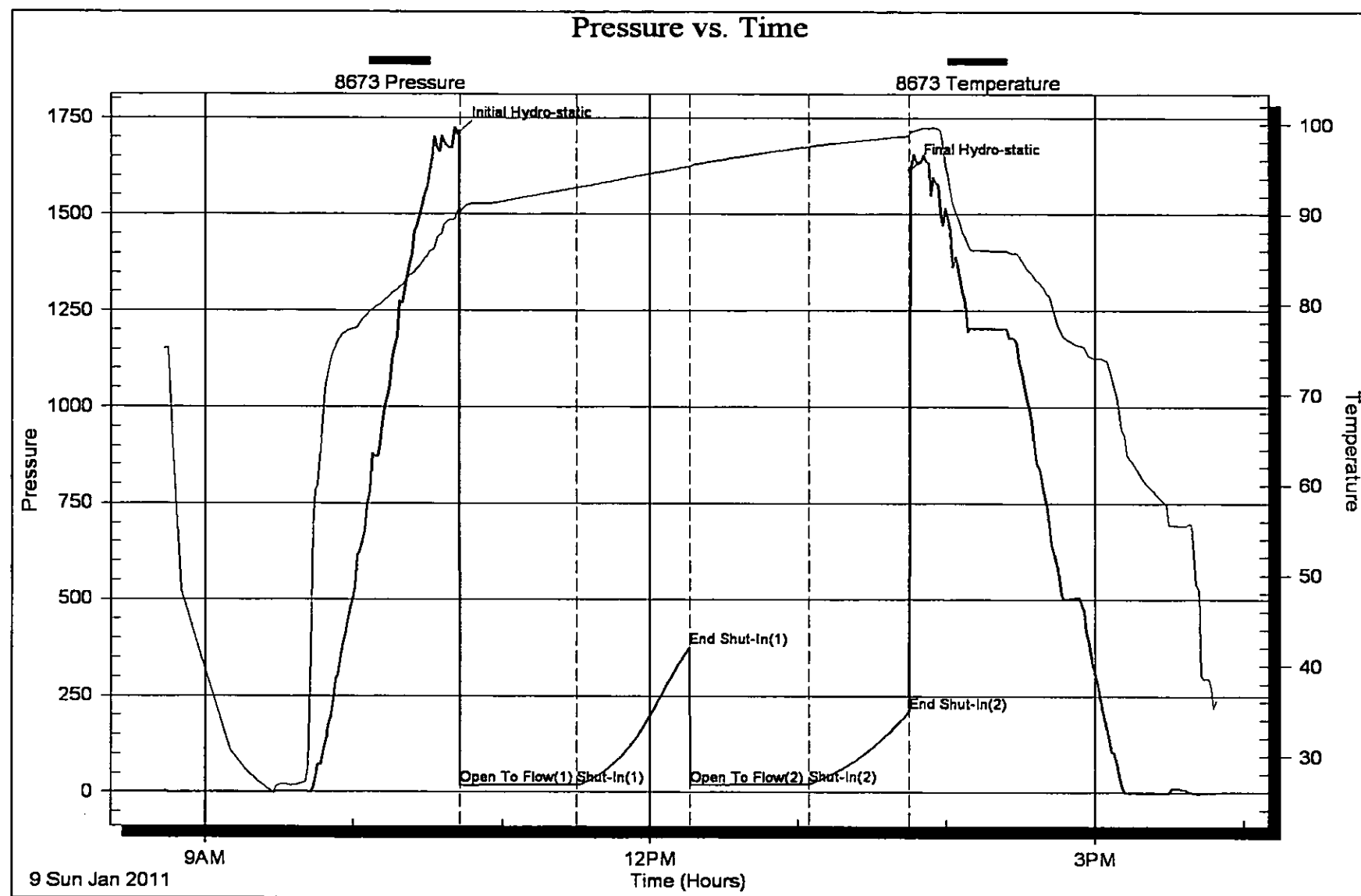
Recovery Comments:

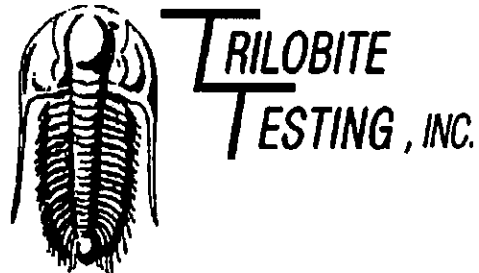
Serial #: 8673

Inside Tengasco Inc.

21-8s-19w Rooks KS

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc.**

PO Box 458
Hays, KS 67601

ATTN: Mike Bair

21-8s-19w Rooks KS

Veverka D #2

Start Date: 2011.01.09 @ 20:57:51

End Date: 2011.01.10 @ 06:01:51

Job Ticket #: 41287 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Tengasco Inc.

PO Box 458
Hays, KS 67601

ATTN: Mike Bair

Veverka D #2

21-8s-19w Rooks KS

Job Ticket: 41287

DST#: 3

Test Start: 2011.01.09 @ 20:57:51

GENERAL INFORMATION:

Formation: Arbuckle

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:16:21

Time Test Ended: 06:01:51

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 54

Interval: 3442.00 ft (KB) To 3453.00 ft (KB) (TVD)

Total Depth: 3453.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2003.00 ft (KB)

1996.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8673

Inside

Press@RunDepth: 123.84 psig @ 3443.00 ft (KB)

Start Date:

2011.01.09

End Date:

2011.01.10

Capacity: 8000.00 psig

Last Calib.:

2011.01.10

Start Time:

20:57:53

End Time:

06:01:51

Time On Btm:

2011.01.10 @ 00:15:51

Time Off Btm:

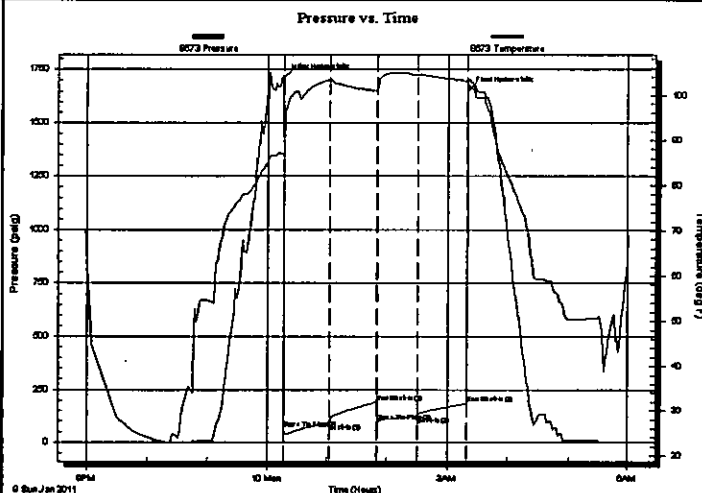
2011.01.10 @ 03:20:51

TEST COMMENT: IFP-Strong, BOB in 3 Min.

ISI-Dead

FFP-Fair Blow, BOB in 25 Min.

FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1711.04	86.88	Initial Hydro-static
1	63.63	86.97	Open To Flow (1)
47	90.05	103.40	Shut-In (1)
94	190.90	101.04	End Shut-In (1)
95	95.53	101.10	Open To Flow (2)
136	123.84	104.55	Shut-In (2)
184	182.56	103.21	End Shut-In (2)
185	1654.79	103.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	Clean Oil	2.10
50.00	OCM-20%O-80%M	0.70
70.00	Muddy WTR W/Oil Specks 2%O-93%W	50.98

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mc/d)
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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco Inc.

Veverka D #2

PO Box 458
Hays, KS 67601

21-8s-19w Rooks KS

Job Ticket: 41287

DST#: 3

ATTN: Mike Bair

Test Start: 2011.01.09 @ 20:57:51

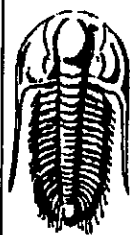
Tool Information

Drill Pipe:	Length: 3433.00 ft	Diameter: 3.80 inches	Volume: 48.16 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 40000.00 lb
		Total Volume: 48.16 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3442.00 ft			Final 37000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	39.00 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			3415.00	
Shut In Tool	5.00			3420.00	
Hydraulic tool	5.00			3425.00	
Jars	5.00			3430.00	
Safety Joint	2.00			3432.00	
Packer	5.00			3437.00	28.00 Bottom Of Top Packer
Packer	5.00			3442.00	
Stubb	1.00			3443.00	
Recorder	0.00	8673	Inside	3443.00	
Recorder	0.00	6755	Outside	3443.00	
Perforations	7.00			3450.00	
Bullnose	3.00			3453.00	11.00 Bottom Packers & Anchor

Total Tool Length: 39.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc.

Veverka D #2

PO Box 458
Hays, KS 67601

21-8s-19w Rooks KS

Job Ticket: 41287

DST#: 3

ATTN: Mike Bair

Test Start: 2011.01.09 @ 20:57:51

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

24 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

28000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
150.00	Clean Oil	2.104
50.00	OCM-20%O-80%M	0.701
70.00	Muddy WTR W/Oil Specks 2%O-93%W-5%M	0.982

Total Length: 270.00 ft

Total Volume: 3.787 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8673

Inside Tengasco Inc.

21-8s-19w Rocks KS

DST Test Number: 3

