



KANSAS CORPORATION COMMISSION 1089726
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1089726

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
---	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
-----------------------------------	-----------	---------	-------------	---------------	---------

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
---	---	--

Form	ACO1 - Well Completion
Operator	Tengasco, Inc.
Well Name	Ridgeway 5
Doc ID	1089726

All Electric Logs Run

Dual Induction
Density Neutron/PE
Micro
Sonic

Form	ACO1 - Well Completion
Operator	Tengasco, Inc.
Well Name	Ridgeway 5
Doc ID	1089726

Tops

Name	Top	Datum
Anhydrite	1660	+596
Topeka	3283	-1027
Heebner	3512	-1256
Toronto	3542	-1286
Lansing	3541	-1285
BKC	3785	-1529
Marmaton	3858	-1602
Arbuckle	3910	-1654



DRILL STEM TEST REPORT

Prepared For: **Tengasco, Inc.**

PO Box 458
Hays KS 67601

ATTN: Rod Tremblay

Ridgeway #5

32-12s-21w Trego,KS

Start Date: 2012.04.23 @ 01:35:52

End Date: 2012.04.23 @ 10:34:52

Job Ticket #: 47715 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.04.27 @ 13:29:12



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Tengasco, Inc.

32-12s-21w Trego, KS

PO Box 458
Hays KS 67601

Ridgeway #5

Job Ticket: 47715

DST#: 1

ATTN: Rod Tremblay

Test Start: 2012.04.23 @ 01:35:52

GENERAL INFORMATION:

Formation: **KC "J"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 05:19:52
 Tester: Brett Dickinson
 Time Test Ended: 10:34:52
 Unit No: 59
 Interval: **3718.00 ft (KB) To 3760.00 ft (KB) (TVD)**
 Reference Elevations: 2256.00 ft (KB)
 Total Depth: 3760.00 ft (KB) (TVD)
 2247.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 9.00 ft

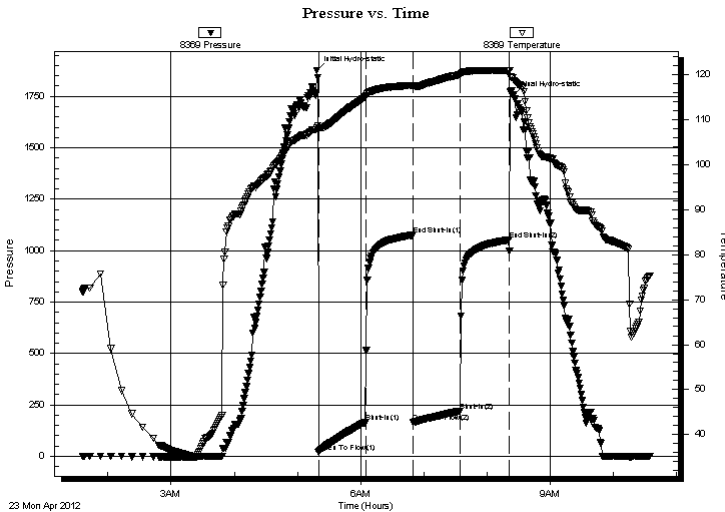
Serial #: 8369

Outside

Press @ Run Depth: 221.11 psig @ 3724.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.04.23 End Date: 2012.04.23 Last Calib.: 2012.04.23
 Start Time: 01:35:57 End Time: 10:34:52 Time On Btm: 2012.04.23 @ 05:18:22
 Time Off Btm: 2012.04.23 @ 08:24:22

TEST COMMENT: IF-BOB in 34 min
 ISI-No blow
 FF-6in blow
 FSI-No blow

PRESSURE SUMMARY



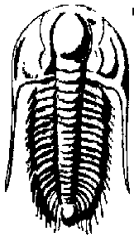
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1876.46	108.05	Initial Hydro-static
2	20.66	108.13	Open To Flow (1)
47	164.56	115.03	Shut-In(1)
91	1075.55	117.55	End Shut-In(1)
92	166.81	117.24	Open To Flow (2)
136	221.11	119.99	Shut-In(2)
183	1052.22	120.82	End Shut-In(2)
186	1753.55	119.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	V/SOCMW 2%O 78%W 20%M	0.01
430.00	water	3.23

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Tengasco, Inc.

32-12s-21w Trego, KS

PO Box 458
Hays KS 67601

Ridgeway #5

Job Ticket: 47715

DST#: 1

ATTN: Rod Tremblay

Test Start: 2012.04.23 @ 01:35:52

GENERAL INFORMATION:

Formation: **KC "J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:19:52

Time Test Ended: 10:34:52

Test Type: Conventional Bottom Hole (Initial)

Tester: Brett Dickinson

Unit No: 59

Interval: 3718.00 ft (KB) To 3760.00 ft (KB) (TVD)

Reference Elevations: 2256.00 ft (KB)

Total Depth: 3760.00 ft (KB) (TVD)

2247.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 8319

Inside

Press @ Run Depth: psig @ 3724.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.23

End Date:

2012.04.23

Last Calib.:

2012.04.23

Start Time: 01:35:57

End Time:

10:34:52

Time On Btm:

Time Off Btm:

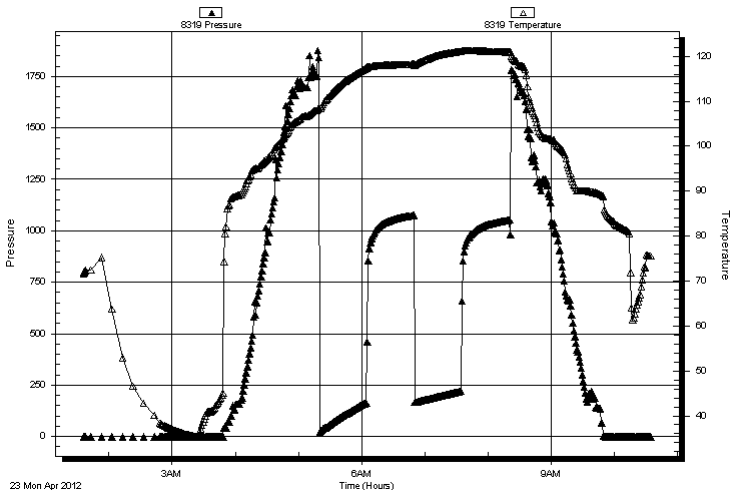
TEST COMMENT: IF-BOB in 34 min

ISI-No blow

FF-6in blow

FSI-No blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
2.00	V/SOCMW 2%O 78%W 20%M	0.01
430.00	w ater	3.23

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco, Inc.

32-12s-21w Trego,KS

PO Box 458
Hays KS 67601

Ridgeway #5

Job Ticket: 47715

DST#: 1

ATTN: Rod Tremblay

Test Start: 2012.04.23 @ 01:35:52

Tool Information

Drill Pipe:	Length: 3392.00 ft	Diameter: 3.80 inches	Volume: 47.58 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: 310.00 ft	Diameter: 2.25 inches	Volume: 1.52 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 49.10 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3718.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	62.00 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			3699.00	
Shut In Tool	5.00			3704.00	
Hydraulic tool	5.00			3709.00	
Packer	4.00			3713.00	20.00 Bottom Of Top Packer
Packer	5.00			3718.00	
Stubb	1.00			3719.00	
Perforations	5.00			3724.00	
Recorder	0.00	8319	Inside	3724.00	
Recorder	0.00	8369	Outside	3724.00	
Change Over Sub	1.00			3725.00	
Drill Pipe	31.00			3756.00	
Change Over Sub	1.00			3757.00	
Bullnose	3.00			3760.00	42.00 Bottom Packers & Anchor

Total Tool Length: 62.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco, Inc.

32-12s-21w Trego,KS

PO Box 458
Hays KS 67601

Ridgeway #5

Job Ticket: 47715

DST#: 1

ATTN: Rod Tremblay

Test Start: 2012.04.23 @ 01:35:52

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:

96000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	VSOCMMW 2%O 78%W 20%M	0.010
430.00	water	3.226

Total Length: 432.00 ft Total Volume: 3.236 bbl

Num Fluid Samples: 0

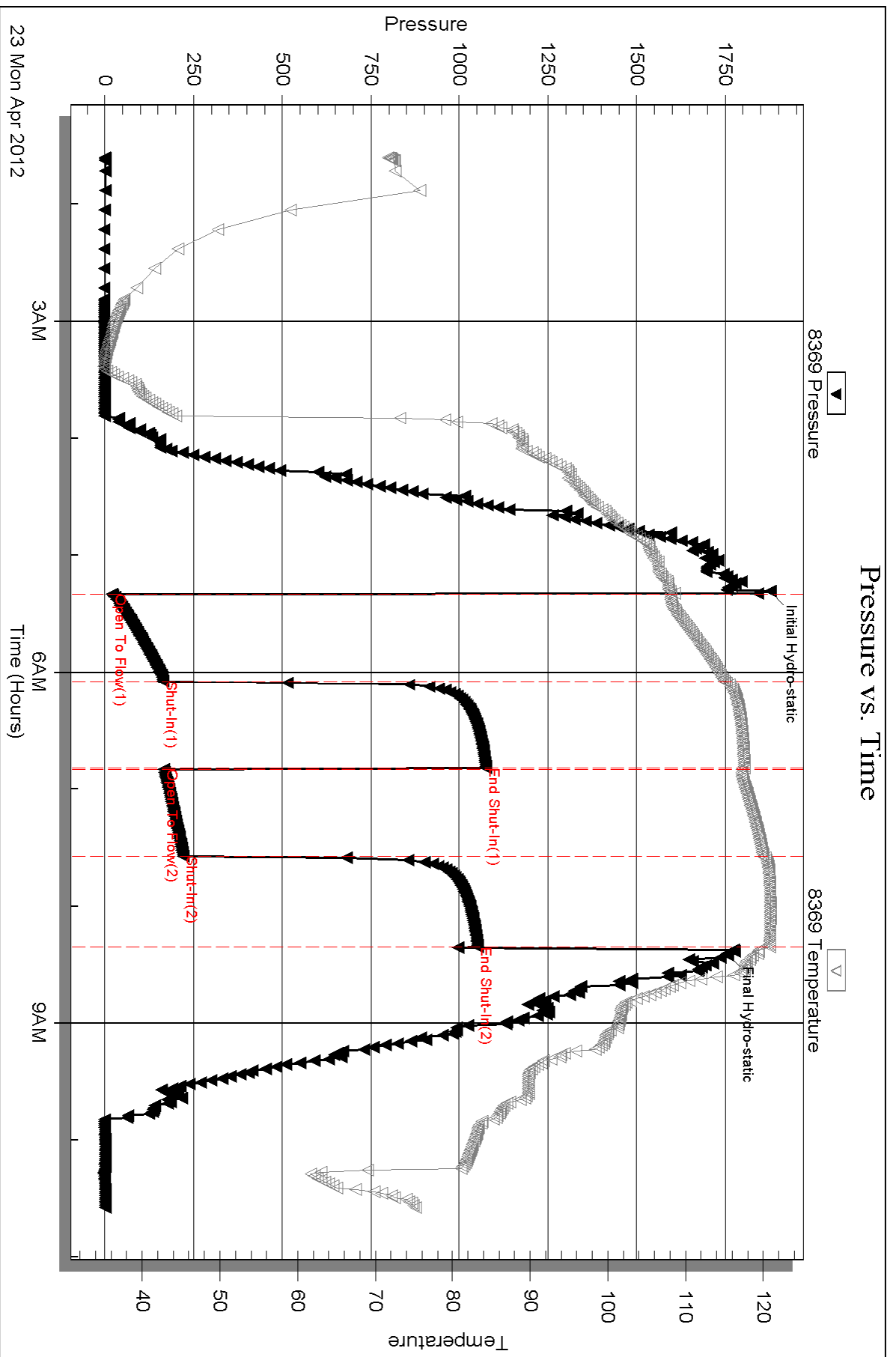
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RWQ.08@70



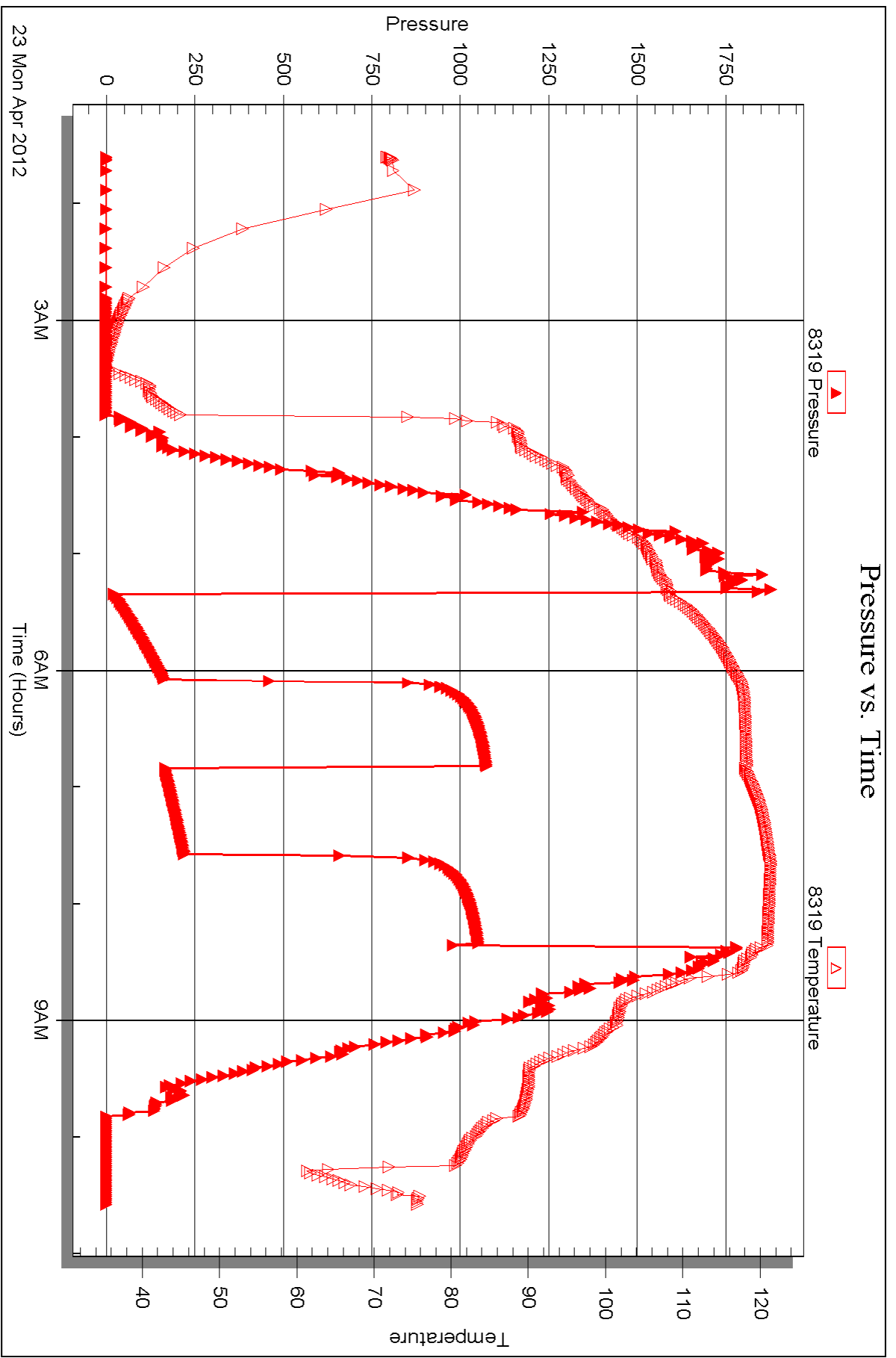
Serial #: 8319

Inside

Tengasco, Inc.

Ridgeway #5

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 47715

Printed: 2012.04.27 @ 13:29:15



DRILL STEM TEST REPORT

Prepared For: **Tengasco, Inc.**

PO Box 458
Hays KS 67601

ATTN: Rod Tremblay

Ridgeway #5

32-12s-21w Trego,KS

Start Date: 2012.04.24 @ 00:50:30

End Date: 2012.04.24 @ 10:29:30

Job Ticket #: 47716 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.04.27 @ 13:28:11

Tengasco, Inc. 32-12s-21w Trego,KS Ridgeway #5 DST # 2 Arbuckle 2012.04.24



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Tengasco, Inc.

32-12s-21w Trego, KS

PO Box 458
Hays KS 67601

Ridgeway #5

Job Ticket: 47716

DST#: 2

ATTN: Rod Tremblay

Test Start: 2012.04.24 @ 00:50:30

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:09:30

Time Test Ended: 10:29:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: 3900.00 ft (KB) To 3930.00 ft (KB) (TVD)

Reference Elevations: 2256.00 ft (KB)

Total Depth: 3930.00 ft (KB) (TVD)

2247.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 8369 Outside

Press @ Run Depth: 472.86 psig @ 3927.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.24

End Date:

2012.04.24

Last Calib.:

2012.04.24

Start Time: 00:50:35

End Time:

10:29:30

Time On Btm:

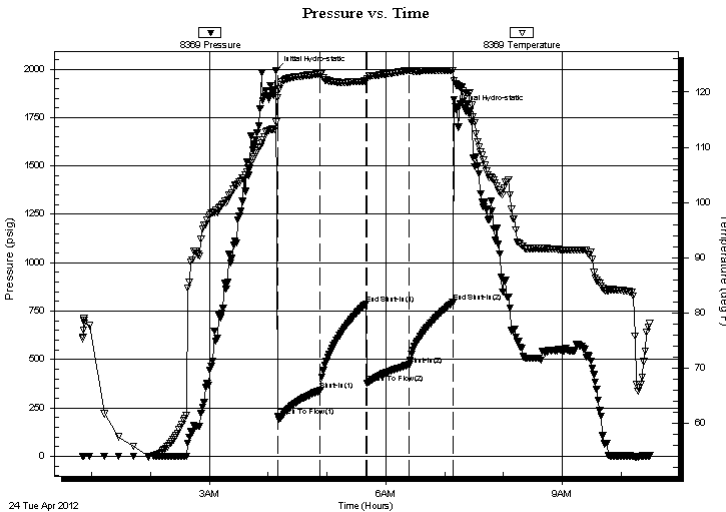
2012.04.24 @ 04:08:00

Time Off Btm:

2012.04.24 @ 07:12:00

TEST COMMENT: IF-BOB in 1 min
ISI-Very weak surface blow died in 40 min
FF-BOB in 3 min
FSI-No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1993.49	114.56	Initial Hydro-static
2	205.87	119.04	Open To Flow (1)
45	340.60	123.38	Shut-In(1)
92	787.08	121.98	End Shut-In(1)
93	376.74	122.41	Open To Flow (2)
136	472.86	123.91	Shut-In(2)
181	794.47	123.93	End Shut-In(2)
184	1789.55	121.31	Final Hydro-static

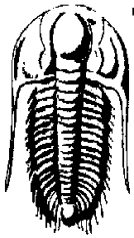
Recovery

Length (ft)	Description	Volume (bbl)
60.00	GVSWOCM 5%G 10%O 5%W 80%M	0.30
60.00	GOCM 15%G 45%O 40%M	0.30
1005.00	GO	12.37
120.00	GO 15%G 85%O	1.68
0.00	60ft GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Tengasco, Inc.

32-12s-21w Trego,KS

PO Box 458
Hays KS 67601

Ridgeway #5

Job Ticket: 47716

DST#: 2

ATTN: Rod Tremblay

Test Start: 2012.04.24 @ 00:50:30

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:09:30
 Time Test Ended: 10:29:30
 Interval: **3900.00 ft (KB) To 3930.00 ft (KB) (TVD)**
 Total Depth: 3930.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brett Dickinson
 Unit No: 59
 Reference Elevations: 2256.00 ft (KB)
 2247.00 ft (CF)
 KB to GR/CF: 9.00 ft

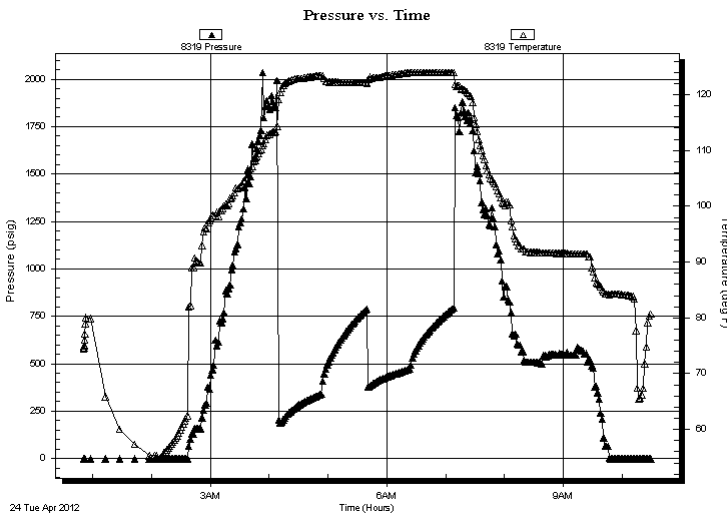
Serial #: 8319

Inside

Press @ Run Depth: psig @ 3927.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.04.24 End Date: 2012.04.24 Last Calib.: 2012.04.24
 Start Time: 00:50:47 End Time: 10:29:42 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF-BOB in 1 min
 ISI-Very weak surface blow died in 40 min
 FF-BOB in 3 min
 FSI-No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GVSWOCM 5%G 10%O 5%W 80%M	0.30
60.00	GOCM 15%G 45%O 40%M	0.30
1005.00	GO	12.37
120.00	GO 15%G 85%O	1.68
0.00	60ft GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco, Inc.

32-12s-21w Trego,KS

PO Box 458
Hays KS 67601

Ridgeway #5

Job Ticket: 47716

DST#: 2

ATTN: Rod Tremblay

Test Start: 2012.04.24 @ 00:50:30

Tool Information

Drill Pipe:	Length: 3578.00 ft	Diameter: 3.80 inches	Volume: 50.19 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: 310.00 ft	Diameter: 2.25 inches	Volume: 1.52 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 51.71 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	3900.00 ft			Final	65000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	30.00 ft				
Tool Length:	50.00 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			3881.00	
Shut In Tool	5.00			3886.00	
Hydraulic tool	5.00			3891.00	
Packer	4.00			3895.00	20.00 Bottom Of Top Packer
Packer	5.00			3900.00	
Stubb	1.00			3901.00	
Perforations	26.00			3927.00	
Recorder	0.00	8319	Inside	3927.00	
Recorder	0.00	8369	Outside	3927.00	
Bullnose	3.00			3930.00	30.00 Bottom Packers & Anchor
Total Tool Length:	50.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco, Inc.

32-12s-21w Trego,KS

PO Box 458
Hays KS 67601

Ridgeway #5

Job Ticket: 47716

DST#: 2

ATTN: Rod Tremblay

Test Start: 2012.04.24 @ 00:50:30

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 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: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	GVSWOCM 5%G 10%O 5%W 80%M	0.295
60.00	GOCM 15%G 45%O 40%M	0.295
1005.00	GO	12.367
120.00	GO 15%G 85%O	1.683
0.00	60ft GIP	0.000

Total Length: 1245.00 ft Total Volume: 14.640 bbl

Num Fluid Samples: 0

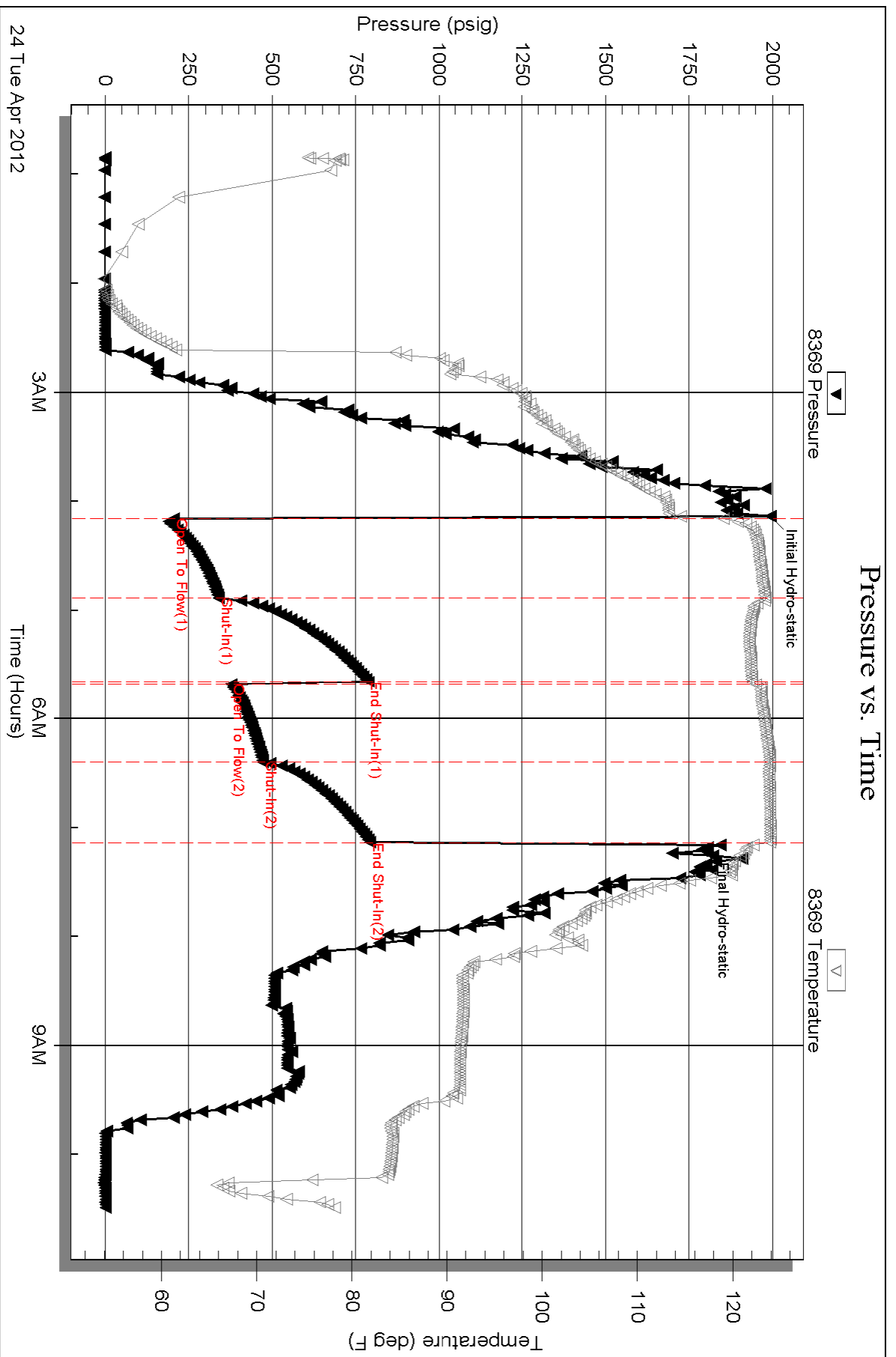
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



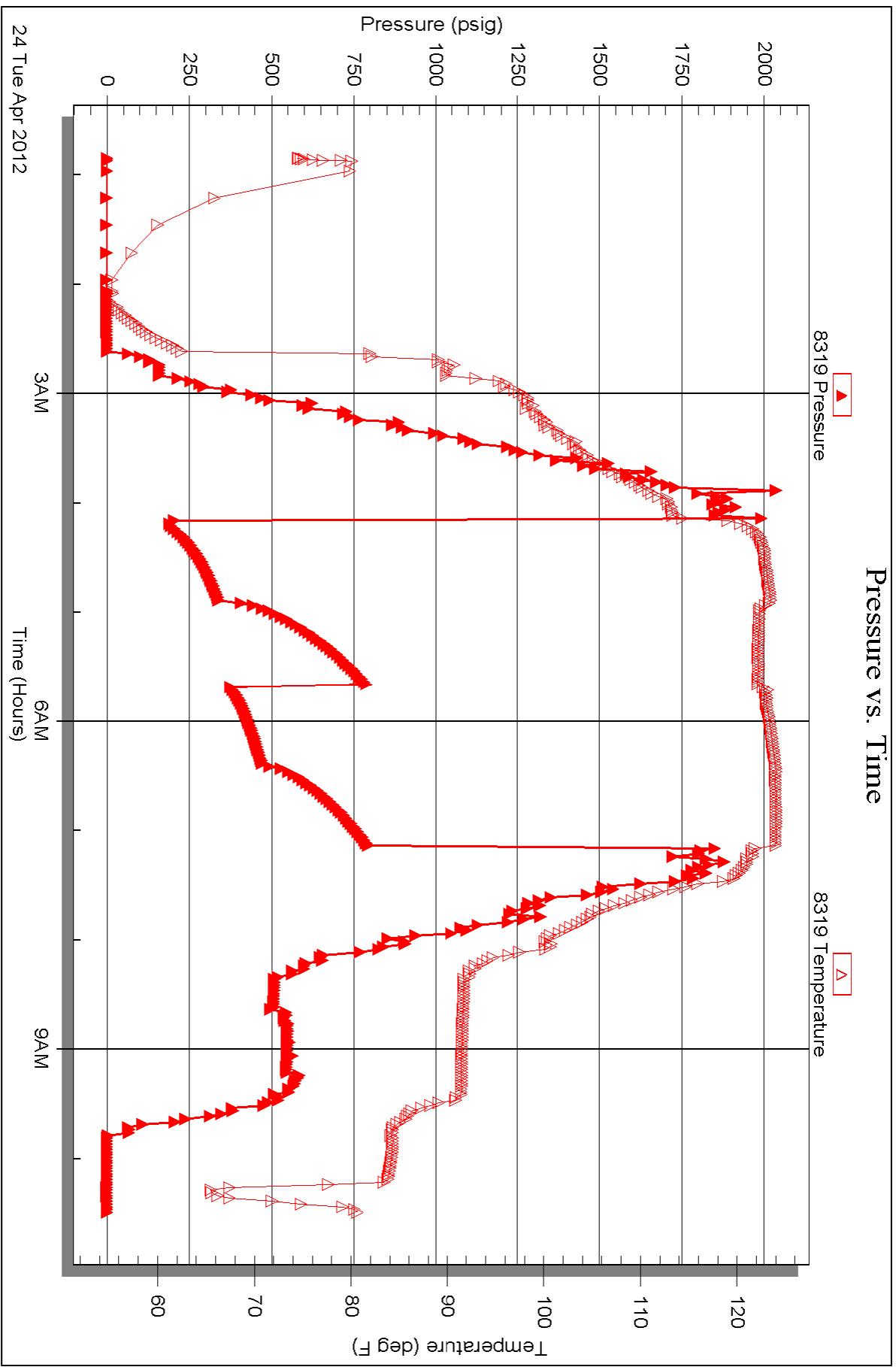
Serial #: 8319

Inside

Tengasco, Inc.

Ridgeway #5

DST Test Number: 2





TRIOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
APR 24 2012
BY: _____

Test Ticket

NO. 47715

Well Name & No. Ridgeway #15 Test No. 1 Date 4/22/12
 Company Tengasco, Inc. Elevation 2256 KB 2247 GL
 Address 1327 Noose Rd PO Box 458 Hays KS 67601
 Co. Rep / Geo. Red Tremblay Rig H2 #3
 Location: Sec. 32 Twp. 12S Rge. 21W Co. Trego State KS

Interval Tested 3718-3760 Zone Tested KC "J"
 Anchor Length 42 Drill Pipe Run 3392 Mud Wt. 9.1
 Top Packer Depth 3713 Drill Collars Run 310 Vis 60
 Bottom Packer Depth 3718 Wt. Pipe Run — WL 6.4
 Total Depth 3760 Chlorides 2,700 ppm System LCM 4

Blow Description IF - BOB in 34 min
ISI - No blow
IF - 6m blow
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>VSOC MW</u>		<u>2</u>	<u>78</u>	<u>20</u>
<u>430</u>	<u>water</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 432 BHT 221 Gravity _____ API RW .08 @ 70 °F Chlorides 96000 ppm

(A) Initial Hydrostatic 1876 Test 1150 T-On Location 22:20
 (B) First Initial Flow 21 Jars _____ T-Started 1:35
 (C) First Final Flow 165 Safety Joint _____ T-Open 5:17
 (D) Initial Shut-In 1,076 Circ Sub _____ T-Pulled 8:17
 (E) Second Initial Flow 167 Hourly Standby 3 1/4 hrs 325' T-Out 10:35
 (F) Second Final Flow 221 Mileage 25 x 2 177.50 Comments _____
 (G) Final Shut-In 1,052 Sampler _____
 (H) Final Hydrostatic 1,754 Straddle _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Initial Open 45 Shale Packer _____
 Initial Shut-In 45 Extra Packer _____
 Final Flow 45 Extra Recorder _____
 Final Shut-In 45 Day Standby _____
 Accessibility _____
 Sub Total 1552.50 MP/DST Disc't _____

Approved By _____

Our Representative Burt Dine

Triobite 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

RECEIVED
APR 24 2012

Test Ticket

NO. 47716

Well Name & No. Ridge way #15 Test No. 2 Date 4/24/12
 Company Tengasco, Inc. Elevation 2256 KB 2247 GL
 Address 1327 Noose Rd PO Box 458 Hays KS 67601
 Co. Rep / Geo. had Trembley Rig H2 # 3
 Location: Sec. 32 Twp. 12s Rge. 21w Co. Trego State KS

Interval Tested 2900-2930 Zone Tested Arb.
 Anchor Length 30 Drill Pipe Run 3578 Mud Wt. 9.1
 Top Packer Depth 2895 Drill Collars Run 310 Vis 58
 Bottom Packer Depth 2900 Wt. Pipe Run — WL 2.2
 Total Depth 2930 Chlorides 3,900 ppm System LCM 4

Blow Description FF-BOB in 1min
FSI - very weak surface blow died in 40min
FF-BOB in 3min
FSI - NO blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>60</u>	<u>15</u>	<u>85</u>		
<u>1005</u>	<u>60</u>	<u>Reversed out</u>			
<u>60</u>	<u>60CM</u>	<u>15</u>	<u>45</u>		<u>40</u>
<u>60</u>	<u>6VSWOCM</u>	<u>5</u>	<u>10</u>	<u>5</u>	<u>80</u>
<u>60</u>	<u>60 FT GIP</u>				

Rec Total 1245 BHT 124 Gravity 37 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1,993 Test 1150 T-On Location 00:30
 (B) First Initial Flow 206 Jars — T-Started 00:50
 (C) First Final Flow 341 Safety Joint — T-Open 4:04
 (D) Initial Shut-In 787 Circ Sub — T-Pulled 7:04
 (E) Second Initial Flow 377 Hourly Standby 1hr 100 T-Out 10:25
 (F) Second Final Flow 473 Mileage 25x2 77.50 Comments —
 (G) Final Shut-In 794 Sampler —
 (H) Final Hydrostatic 1,790 Straddle —
 Ruined Shale Packer —
 Ruined Packer —
 Extra Copies —
 Initial Open 45 Shale Packer —
 Initial Shut-In 45 Extra Packer —
 Final Flow 45 Extra Recorder — Sub Total 0
 Final Shut-In 45 Day Standby — Total 1327.50
 Accessibility — MP/DST Disc't —
 Sub Total 1327.50

Approved By — Our Representative Brett D. Dier

Trilobite Testing Inc. shall not be liable for damaged or 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.

ALLIED OIL & GAS SERVICES, LLC 056108

Federal Tax I.D.# 20-5975804

MAIL TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Russell

DATE <u>5-7-12</u>	SEC <u>30</u>	TWP <u>12</u>	RANGE <u>21</u>	CALLED OUT	ON LOCATION	JOB START <u>2:00</u>	JOB FINISH <u>2:30</u>
LEASE <u>Rdgy well</u>	WELL # <u>5</u>	LOCATION <u>Riga Rd 1/2 343 mtk</u>	COUNTY <u>Prago</u>	STATE <u>KS</u>			
OLD OR NEW (Circle one)							

CONTRACTOR <u>W6</u>	OWNER
TYPE OF JOB <u>Stucco</u>	
HOLE SIZE	T.D.
CASING SIZE	DEPTH
TUBING SIZE <u>2 3/8</u>	DEPTH
DRILL PIPE	DEPTH
TOOL <u>retainer</u>	DEPTH <u>2928</u>
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS. <u>3934 3916-14</u>	
DISPLACEMENT	

CEMENT	
AMOUNT ORDERED <u>210 sk</u>	
COMMON <u>210</u> <u>10</u> <u>16.25</u> <u>812.50</u>	
POZMIX	@
GEL	@
CHLORIDE <u>3</u>	@ <u>55.25</u>
ASC	@
<u>snr</u> <u>2</u>	@ <u>7</u>
HANDLING <u>abz</u>	@ <u>2.75</u> <u>456.75</u>
MILEAGE <u>9947</u>	.11 <u>1094.17</u>
TOTAL	<u>2363.42</u>

EQUIPMENT

PUMP TRUCK	CEMENTER <u>Bob</u>
# <u>409</u>	HELPER <u>Tom</u>
BULK TRUCK	
# <u>410</u>	DRIVER <u>Robert Y.</u>
BULK TRUCK	
#	DRIVER

REMARKS:

land hole check for 1020.
mix 50sk cement, displaced 12 1/2 bbl
Previous to 500, pulled out retainer
reverse circulated clean, pull 5 bbls
Previous to 500 split in well

Thanks!

SERVICE

DEPTH OF JOB	
PUMP TRUCK CHARGE <u>1050</u>	<u>116.</u>
EXTRA FOOTAGE	@
MILEAGE <u>mltv</u> <u>49</u>	@ <u>7.00</u> <u>343.00</u>
MANIFOLD <u>mltv</u> <u>49</u>	@ <u>4.00</u> <u>196.00</u>
TOTAL	<u>539.00</u>

CHARGE TO: Tangas Ltd Inc
STREET _____
CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

	@
	@
	@
	@
	@

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME _____
SIGNATURE Harry Wagner

TOTAL _____
SALES TAX (if Any) 197.36
TOTAL CHARGES 2902.42
DISCOUNT 20/70 1392.06 IF PAID IN 30 DAYS

ALLIED OIL & GAS SERVICES, LLC 056105

Federal Tax I.D.# 20-5975804

P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Antoni

DATE <u>5-2-12</u>	SEC <u>32</u>	TWP <u>12S</u>	RANGE <u>21</u>	CALLED OUT	ON LOCATION	JOB START <u>4:00</u>	JOB FINISH <u>4:30</u>
LEASE <u>Ridgeview</u>	<u>5</u>	LOCATION <u>ridge top #1 & #3 well</u>			COUNTY <u>frags</u>	STATE <u>KO</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR
TYPE OF JOB Service / Air Well

HOLE SIZE _____ T.D. _____
CASING SIZE 5 1/2 WV DEPTH _____
TUBING SIZE _____ DEPTH _____
DRILL PIPE _____ DEPTH _____
TOOL 16 1/2 RL DEPTH 1689
PRES. MAX _____ MINIMUM _____
MEAS. LINE _____ SHOE JOINT _____
CEMENT LEFT IN CSG. _____
PERFS. _____
DISPLACEMENT _____

EQUIPMENT

PUMP TRUCK CEMENTER Todd
409 HELPER Tom
BULK TRUCK
410/481 DRIVER Robert Y.
BULK TRUCK
_____ DRIVER _____

REMARKS:
tested for service pressure held, sent truck back to re-load for port collar
new hole checked PL to open milled 37 bbl @ 2.5 bbl/min on 1st lift RL
Pressure supplied down

Did circulate to surface
Thanks

CHARGE TO: Kansas
STREET _____
CITY _____ STATE _____ ZIP _____

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME _____
SIGNATURE Larry Ragun

OWNER

CEMENT AMOUNT ORDERED 50 sk. Wash

1 lb. sand side 1800' @ 11.25
116 48

COMMON <u>11</u>	@ <u>16.25</u>	<u>1800.00</u>
POZMIX <u>74</u>	@ <u>8.50</u>	<u>629.00</u>
GEL <u>6</u>	@ <u>21.25</u>	<u>127.50</u>
CHLORIDE _____	@ _____	_____
ASC _____	@ _____	_____
<u>dry</u> <u>43</u>	@ <u>2.70</u>	<u>116.10</u>
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
HANDLING <u>3.7</u>	@ <u>2.20</u>	<u>81.60</u>
MILEAGE <u>14.33</u>	@ <u>.11</u>	<u>1.58</u>
TOTAL		<u>5293.85</u>

SERVICE

DEPTH OF JOB _____	<u>1925</u>	<u>12</u>
PUMP TRUCK CHARGE _____	<u>1800</u>	<u>12</u>
EXTRA FOOTAGE _____	@ _____	_____
MILEAGE <u>MHW</u> <u>43</u>	@ <u>7.00</u>	<u>301</u>
MANIFOLD _____	@ _____	_____
<u>MHW</u> <u>43</u>	@ <u>4.00</u>	<u>172</u>
_____	@ _____	_____
TOTAL		<u>2420</u>

PLUG & FLOAT EQUIPMENT

_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
TOTAL		_____

SALES TAX (If Any) 182.35
TOTAL CHARGES 7715.35
DISCOUNT 20/70 2688.99 IF PAID IN 30 DAYS

ALLIED OIL & GAS SERVICES, LLC 056947

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Russell

DATE 4.25.12	SEC 32	TWP 12s	RANGE 21w	CALLED OUT	ON LOCATION	JOB START 11:00	JOB FINISH 11:00
LEASE R12-12-12	WELL# 5	LOCATION reg 4th 1w 3rd 4th			COUNTY Trego	STATE KS	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR

TYPE OF JOB Pipe Port Collar

HOLE SIZE 7 T.D. 3998

CASING SIZE 5 1/2 4" DEPTH 4200

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL 90' core DEPTH 11078

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 42'

CEMENT LEFT IN CSG. 42'

PERFS.

DISPLACEMENT 96 3/4 bbl

EQUIPMENT

PUMP TRUCK CEMENTER Tedal

409 HELPER Kony

BULK TRUCK

410 DRIVER Robert Y.

BULK TRUCK

DRIVER

OWNER

CEMENT AMOUNT ORDERED 180 slt ASC

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

mid slt 500 gal @ 1.27 633.50

180 slt ASC @ 1.90 3,420.00

HANDLING 226 @ 7.25 548.50

MILEAGE 10,796 @ 11 1,143.56

TOTAL 5,707.06

REMARKS:

run 96.75 establish circulation, circulate 1 Hr, mix gas bet rest clust, mix 30 yr rest, mix w/ble, mix 150 yr in well, washed clean release plug, displace 96 3/4 bbl loaded plug, set 17000 cement ab adv dia plug hold plug in well

SERVICE

DEPTH OF JOB 3998'

PUMP TRUCK CHARGE 2 223.00

EXTRA FOOTAGE @

MILEAGE MI HV 45 @ 7.00 315.00

MANIFOLD @

MILV 45 @ 4.00 180.00

com head manifold @ 300.00 14

TOTAL 2720.00

CHARGE TO: FANGSICA

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

3/4 inside float @ 168 168

Adv 1200 @ 284 284

Centralizers 5 @ 34 170

Basket @ 236 236

Port collar @ 1820 1820

Top Rubber Plug 51 31

TOTAL 2729.00

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) 461.31

TOTAL CHARGES 11,156.06

DISCOUNT 20/70 3050.49 IF PAID IN 30 DAYS

PRINTED NAME _____

SIGNATURE Keith Kulis