

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

ORIGINAL

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

OPERATOR: License # 32278
Name: Tengasco, Inc.
Address 1: PO Box 458
Address 2: 1327 Noose Rd.
City: Hays State: KS Zip: 67601 + 9744
Contact Person: Gary Wagner
Phone: (785) 625-6374
CONTRACTOR: License # 33493
Name: American Eagle Drilling LLC.
Wellsite Geologist: Mike Bair
Purchaser: N/A

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 #: _____

10-7-11	10-15-11	10-16-11
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 195-22730-00-00
Spot Description: _____
SW SW NE SW Sec. 27 Twp. 15 S. R. 25 East West
1,416 Feet from North / South Line of Section
1,617 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Trego
Lease Name: Offutt A Well #: 1
Field Name: Unnamed

Producing Formation: _____
Elevation: Ground: 2404' Kelly Bushing: 2411'
Total Depth: 4471 Plug Back Total Depth: Surface
Amount of Surface Pipe Set and Cemented at: 265 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: 32000 ppm Fluid volume: 190 bbls
Dewatering method used: Hauled to SWD
Location of fluid disposal if hauled offsite:
Operator Name: Tengasco, Inc.
Lease Name: Albers License #: 32278
Quarter SW Sec. 23 Twp. 15 S. R. 25 East West
County: Trego Permit #: D-30,584

RECEIVED
JAN 03 2012

KCC WICHITA

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: *Gary Wagner*
Title: Production Manager Date: 11-21-11

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: PLA JG Date: 1/3/12

Operator Name: Tengasco, Inc. Lease Name: Offutt A Well #: 1
 Sec. 27 Twp. 15 S. R. 25 East West County: Trego

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Density Neutron/PE, Array Compensated Resistivity, Micro	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>1843</td> <td>+568</td> </tr> <tr> <td>Heebner</td> <td>3709</td> <td>-1298</td> </tr> <tr> <td>Lansng</td> <td>3749</td> <td>-1337</td> </tr> <tr> <td>BKC</td> <td>4050</td> <td>-1639</td> </tr> <tr> <td>Fort Scott</td> <td>4250</td> <td>-1839</td> </tr> <tr> <td>Cherokee</td> <td>4274</td> <td>-1863</td> </tr> <tr> <td>Miss. Dolo</td> <td>4348</td> <td>-2060</td> </tr> </table>	Name	Top	Datum	Anhydrite	1843	+568	Heebner	3709	-1298	Lansng	3749	-1337	BKC	4050	-1639	Fort Scott	4250	-1839	Cherokee	4274	-1863	Miss. Dolo	4348	-2060
Name	Top	Datum																							
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Fort Scott	4250	-1839																							
Cherokee	4274	-1863																							
Miss. Dolo	4348	-2060																							

CASING RECORD <input checked="" 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
Surface	12-1/4"	8-5/8"	23	265'	Com	180	3% CC, 2% Gel

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> 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
		<div style="border: 1px solid black; padding: 5px; display: inline-block;"> RECEIVED JAN 03 2012 KCC WICHITA </div>	

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. _____	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> 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 checked="" type="checkbox"/> Other (Specify) <u>Dry Hole</u>	PRODUCTION INTERVAL: _____ _____
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ALLIED CEMENTING CO., LLC. 034425

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

SERVICE POINT:

Russell, KS

DATE <u>10-15-11</u>	SEC. <u>27</u>	TWP. <u>15S</u>	RANGE <u>25W</u>	CALLED OUT	ON LOCATION	JOB START <u>4:00pm</u>	JOB FINISH <u>5:00pm</u>
LEASE <u>off</u> # <u>A</u>	WELL# <u>1</u>	LOCATION <u>20 miles S of wakeeney</u>			COUNTY <u>Trigo</u>	STATE <u>KS</u>	
OLD OR <u>(NEW)</u> (Circle one)		LOCATION <u>10 W 1N winto</u>					

CONTRACTOR American Eagle OWNER _____

TYPE OF JOB Rotary Plug

HOLE SIZE _____ CEMENT _____

CASING SIZE _____ DEPTH _____ AMOUNT ORDERED 200 @ 60/40

TUBING SIZE _____ DEPTH 1860 _____ 4% Gel 44# Flo

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

EQUIPMENT _____

PUMP TRUCK CEMENTER Heath

409 HELPER Todd

BULK TRUCK _____

410 DRIVER Cody

BULK TRUCK _____

_____ DRIVER _____

COMMON 120 @ 16.25 1950.00

POZMIX 80 @ 8.50 680.00

GEL 7 @ 21.25 148.75

CHLORIDE _____ @ _____

ASC _____ @ _____

_____ @ _____

Flo Sol 50# @ 2.70 135.00

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING 207 @ 2.25 465.75

MILEAGE 1485/6 1184.04

TOTAL 4563.54

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____ 1250.00

EXTRA FOOTAGE _____ @ _____

MILEAGE 52 @ 7.00 364.00

MANIFOLD _____ @ _____

_____ @ _____

CU 52 @ 4.00 208.00

TOTAL 1822.00

PLUG & FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

SALES TAX (If Any) _____

TOTAL CHARGES 6385.54

DISCOUNT 20% IF PAID IN 30 DAYS

REMARKS:

1st Plug @ 1860' 25SX
2nd Plug @ 840' 100SX
3rd Plug @ 40' 10SX
Plug Ret hole with 25SX
3rd Plug @ 320' 40SX

Thank You !!

CHARGE TO: Tengasco INC

STREET _____

CITY _____ STATE _____ ZIP _____

To Allied Cementing Co., 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 Rob Waggoner

SIGNATURE Rob Waggoner

RECEIVED

JAN 03 2012

KCC WICHITA

ALLIED CEMENTING CO., LLC. 038311

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

SERVICE POINT:
Russell Ks.

DATE <u>10-7-2011</u>	SEC. <u>27</u>	TWP. <u>15 S</u>	RANGE <u>25 W</u>	CALLED OUT	ON LOCATION	JOB START <u>5:00 PM</u>	JOB FINISH <u>5:30 PM</u>	
LEASE <u>OFFUTT</u>	WELL # <u>A-#1</u>		LOCATION <u>Wakeeney Ks. 22 S 10 W</u>			COUNTY <u>Trego</u>	STATE <u>KANSAS</u>	
OLD OR NEW (Circle one)			<u>1 1/2 N 3/4 W INTO</u>					

CONTRACTOR American Eagle Right 2 OWNER _____
 TYPE OF JOB Cement Surface
 HOLE SIZE 12 1/4 T.D. 267
 CASING SIZE 8 5/8 New DEPTH 265
 TUBING SIZE # CSG. DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX 350 # MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 15'
 PERFS. _____
 DISPLACEMENT 16 / BBL

CEMENT	AMOUNT ORDERED	<u>180 sx Com.</u>	
		<u>3 cc</u>	
		<u>290 GEL</u>	
COMMON	<u>180</u>	@ <u>16.25</u>	<u>\$2925.00</u>
POZMIX		@	
GEL	<u>3</u>	@ <u>21.25</u>	<u>\$63.75</u>
CHLORIDE	<u>6</u>	@ <u>58.20</u>	<u>\$349.20</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>189</u>	@ <u>2.25</u>	<u>425.25</u>
MILEAGE	<u>.11/sx/mile</u>	@ <u>20</u>	<u>540.54</u>

EQUIPMENT

PUMP TRUCK CEMENTER Glenn
 # 417 HELPER Woody
 BULK TRUCK
 # 378 DRIVER Cody
 BULK TRUCK
 # DRIVER _____

REMARKS:

Ran 6 new IT'S OF 8 5/8 CSG (23 #)
Set @ 265' Received CIRCULATION
+ Cement w/ 180 sx Com, 3 cc +
290 gel, Displace 16 BBL/H2O +
Shot IN @ 350 #
Cement DID CIRCULATE
TO SURFACE

THANKS

CHARGE TO: TENASCO Inc.
 STREET _____
 CITY _____ STATE _____ ZIP _____

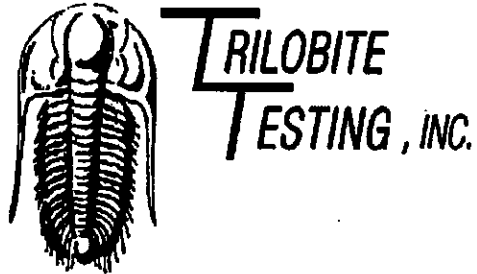
TOTAL RECEIVED \$4303.74

SERVICE JAN 03 2012

DEPTH OF JOB	<u>KCC WICHITA</u>
PUMP TRUCK CHARGE	<u>1125.00</u>
EXTRA FOOTAGE	@ <u>182.00</u>
MILEAGE	<u>52 26</u> @ <u>7.00</u> <u>\$364.00</u>
MANIFOLD	@ <u>104.00</u>
	@ <u>228.00</u>
<u>LUM 52 26</u>	@ <u>4.00</u> <u>\$208.00</u>
	@ <u>8141.00</u>
TOTAL	<u>1,677.00</u>

PLUG & FLOAT EQUIPMENT

 @ _____
 @ _____
 @ _____
 @ _____



DRILL STEM TEST REPORT

Prepared For: **Tengasco, Inc.**

PO Box 458
Hays, KS 67601

ATTN: Mike Bair

Offutt A #1

27-15-25 Trego,KS

Start Date: 2011.10.13 @ 16:44:29

End Date: 2011.10.14 @ 00:32:29

Job Ticket #: 45164 DST #: 1

RECEIVED
JAN 03 2012
KCC WICHITA

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2011.10.17 @ 16:15:54

Tengasco, Inc. 27-15-25 Trego,KS Offutt A #1 DST # 1 Mississippi 2011.10.13



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Tengasco, Inc.

27-15-25 Trego, KS

PO Box 458
Hays, KS 67601

Offutt A #1

Job Ticket: 45164

DST#: 1

ATTN: Mike Bair

Test Start: 2011.10.13 @ 16:44:29

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 19:24:29

Time Test Ended: 00:32:29

Test Type: **Conventional Bottom Hble (Initial)**

Tester: **Brian Fairbank**

Unit No: **41**

Interval: **4345.00 ft (KB) To 4373.00 ft (KB) (TVD)**

Total Depth: **4373.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2407.00 ft (KB)**

2400.00 ft (CF)

KB to GR/CF: **7.00 ft**

Serial #: **8734** Outside

Press@RunDepth: **73.35 psig @ 4349.00 ft (KB)**

Start Date: **2011.10.13**

End Date: **2011.10.14**

Start Time: **16:44:30**

End Time: **00:32:29**

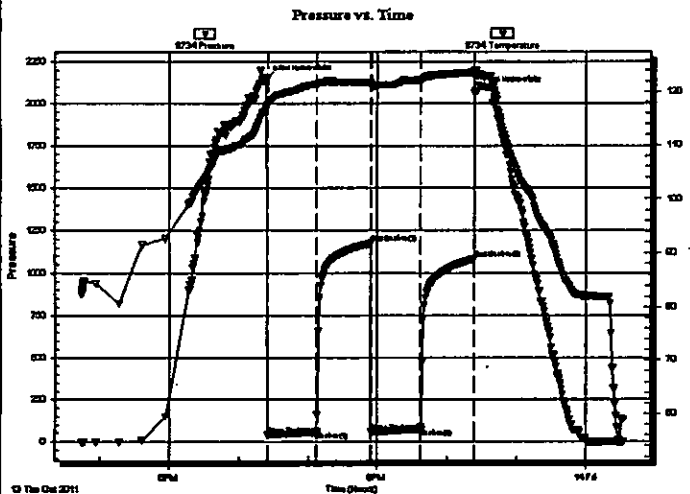
Capacity: **8000.00 psig**

Last Calib.: **2011.10.14**

Time On Btrm: **2011.10.13 @ 19:22:59**

Time Off Btrm: **2011.10.13 @ 22:24:29**

TEST COMMENT: IFP - weak to fair blow - sur - 5"
ISI - weak sur blow back - died 12 min
FFP - weak to good blow sur - 7"
FSI - weak sur blow back - died 4 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2147.63	116.95	Initial Hydro-static
2	38.42	117.44	Open To Flow (1)
44	55.19	121.47	Shut-In(1)
91	1174.81	121.76	End Shut-In(1)
92	56.39	121.38	Open To Flow (2)
134	73.35	122.20	Shut-In(2)
180	1085.80	123.55	End Shut-In(2)
182	2077.71	124.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
135.00	GMOO 10%G, 50%O, 40%M	1.89
0.00	140' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco, Inc.

27-15-25 Trego, KS

PO Box 458
Hays, KS 67601

Offutt A #1

Job Ticket: 45164

DST#: 1

ATTN: Mke Bair

Test Start: 2011.10.13 @ 16:44:29

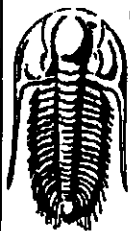
Tool Information

Drill Pipe:	Length: 4336.00 ft	Diameter: 3.80 inches	Volume: 60.82 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 60.82 bbl</u>	Tool Chased 10.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4345.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	48.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4330.00	
Hydraulic tool	5.00			4335.00	
Packer	5.00			4340.00	20.00 Bottom Of Top Packer
Packer	5.00			4345.00	
Stubb	1.00			4346.00	
Perforations	3.00			4349.00	
Recorder	0.00	8372	Inside	4349.00	
Recorder	0.00	8734	Outside	4349.00	
Perforations	21.00			4370.00	
Bullnose	3.00			4373.00	28.00 Bottom Packers & Anchor
Total Tool Length:	48.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco, Inc.

27-15-25 Trego, KS

PO Box 458
Hays, KS 67601

Offutt A #1

Job Ticket: 45164

DST#: 1

ATTN: Mike Bair

Test Start: 2011.10.13 @ 16:44:29

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: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 5.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
135.00	GMDO 10%G, 50%O, 40%M	1.894
0.00	140' GIP	0.000

Total Length: 135.00 ft

Total Volume: 1.894 bbl

Num Fluid Samples: 0

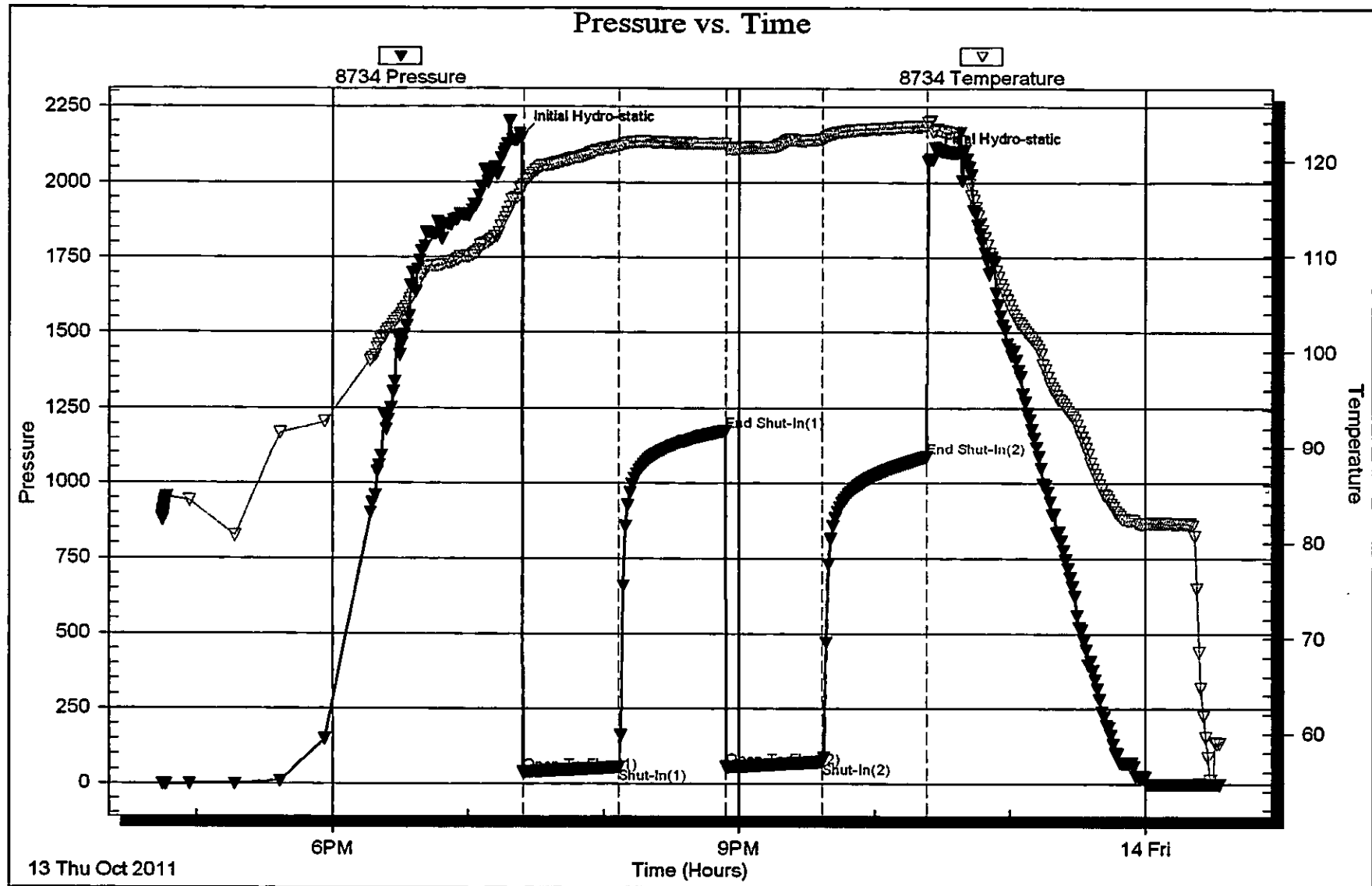
Num Gas Bombs: 0

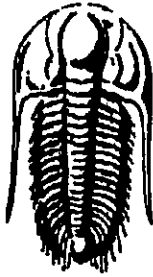
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Tengasco, Inc.**

PO Box 458
Hays, KS 67601

ATTN: Mike Bair

Offutt A #1

27-15-25 Trego,KS

Start Date: 2011.10.14 @ 07:56:58

End Date: 2011.10.14 @ 14:49:58

Job Ticket #: 45165 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2011.10.17 @ 16:16:16

Tengasco, Inc.

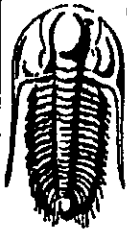
27-15-25 Trego,KS

Offutt A #1

DST # 2

Miss (2)

2011.10.14



**TRIBOLITE
TESTING, INC.**

DRILL STEM TEST REPORT

Tengasco, Inc.

27-15-25 Trego, KS

PO Box 458
Hays, KS 67601

Offutt A #1

Job Ticket: 45165

DST#: 2

ATTN: Mike Bair

Test Start: 2011.10.14 @ 07:56:58

GENERAL INFORMATION:

Formation: Miss (2)

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:01:28

Time Test Ended: 14:49:58

Test Type: Conventional Bottom Hole (Reset)

Tester: Brian Fairbank

Unit No: 41

Interval: 4372.00 ft (KB) To 4383.00 ft (KB) (TVD)

Total Depth: 4383.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2407.00 ft (KB)

2400.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8734 Outside

Press@RunDepth: 103.27 psig @ 4376.00 ft (KB)

Start Date: 2011.10.14

End Date: 2011.10.14

Start Time: 07:56:59

End Time: 14:49:58

Capacity: 8000.00 psig

Last Calib.: 2011.10.14

Time On Btm: 2011.10.14 @ 09:59:58

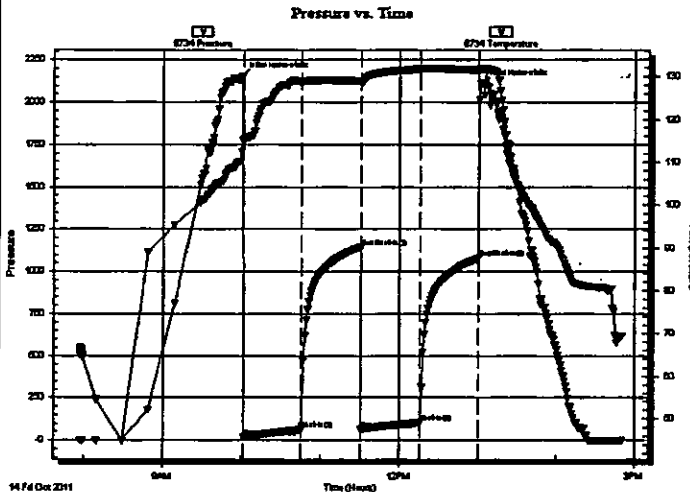
Time Off Btm: 2011.10.14 @ 13:02:58

TEST COMMENT: IFF - weak to good blow 1/4" - 8 1/2"

ISI - no blow back

FFP - weak to good blow sur - 7"

FSI - no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2154.88	112.52	Initial Hydro-static
2	18.40	114.76	Open To Flow (1)
46	61.35	128.78	Shut-In(1)
91	1144.67	128.95	End Shut-In(1)
91	63.49	128.60	Open To Flow (2)
136	103.27	131.75	Shut-In(2)
181	1078.96	131.46	End Shut-In(2)
183	2109.44	131.72	Final Hydro-static

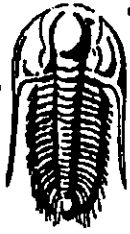
Recovery

Length (ft)	Description	Volume (bbl)
200.00	MW w/ scum O on top 95%W, 5%M	2.81

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco, Inc.

27-15-25 Trego, KS

PO Box 458
Hays, KS 67601

Offutt A #1

Job Ticket: 45165

DST#: 2

ATTN: Mike Bair

Test Start: 2011.10.14 @ 07:56:58

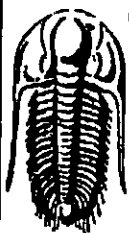
Tool Information

Drill Pipe:	Length: 4367.00 ft	Diameter: 3.80 inches	Volume: 61.26 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 61.26 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4372.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	31.00 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			4357.00	
Hydraulic tool	5.00			4362.00	
Packer	5.00			4367.00	20.00 Bottom Of Top Packer
Packer	5.00			4372.00	
Stubb	1.00			4373.00	
Perforations	3.00			4376.00	
Recorder	0.00	8372	Inside	4376.00	
Recorder	0.00	8734	Outside	4376.00	
Perforations	4.00			4380.00	
Bullnose	3.00			4383.00	11.00 Bottom Packers & Anchor
Total Tool Length:	31.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco, Inc.

27-15-25 Trego, KS

PO Box 458
Hays, KS 67601

Offutt A #1

Job Ticket: 45165

DST#: 2

ATTN: Mke Bair

Test Start: 2011.10.14 @ 07:56:58

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:

38000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
200.00	MWw/ scum O on top 95%W, 5%M	2.805

Total Length: 200.00 ft

Total Volume: 2.805 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

