

Operator Name: Tengasco, Inc. Lease Name: Mai A Well #: 2
 Sec. 15 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 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: Dual Induction, Neutron Density, PE, 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>1804'</td> <td>+547</td> </tr> <tr> <td>Heebner</td> <td>3652'</td> <td>-1301</td> </tr> <tr> <td>Lansing</td> <td>3686'</td> <td>-1335</td> </tr> <tr> <td>Pawnee</td> <td>4122'</td> <td>-1771</td> </tr> <tr> <td>Ft Scott</td> <td>4196'</td> <td>-1845</td> </tr> <tr> <td>Cherokee</td> <td>4226'</td> <td>-1875</td> </tr> <tr> <td>Mississippi</td> <td>4316'</td> <td>-1965</td> </tr> </table>	Name	Top	Datum	Anhydrite	1804'	+547	Heebner	3652'	-1301	Lansing	3686'	-1335	Pawnee	4122'	-1771	Ft Scott	4196'	-1845	Cherokee	4226'	-1875	Mississippi	4316'	-1965
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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#	262	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; margin: 0 auto; width: 80%;"> RECEIVED DEC 15 2010 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 Bbbs.	Gas Mcf	Water Bbbs. 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. 036775

TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Great Bend 45

DATE <u>7-11-10</u>	SEC. <u>15</u>	TWP. <u>15</u>	RANGE <u>25</u>	CALLED OUT	ON LOCATION	JOB START <u>8:00 AM</u>	JOB FINISH <u>8:20 AM</u>
LEASE <u>Mai</u>	WELL# <u>A2</u>	LOCATION <u>Nesscity North To CCRD Truss</u>			COUNTY	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)			<u>11 west 1 North To BBRD 1 1/2 west</u>				

CONTRACTOR American Eagle Rig 2 OWNER Tengasco
TYPE OF JOB Surface

HOLE SIZE <u>12 1/4</u>	T.D. <u>260</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>254 264</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT <u>15 3/4 BBLs</u>	

CEMENT			
AMOUNT ORDERED	<u>180 SX Class A</u>		
	<u>3% cc 2% Gel</u>		
COMMON	<u>180.</u>	@	<u>13.50 2430.00</u>
POZMIX		@	
GEL	<u>4</u>	@	<u>20.25 81.00</u>
CHLORIDE	<u>6</u>	@	<u>51.50 309.00</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>180</u>	@	<u>2.25 405.00</u>
MILEAGE	<u>180 x 27 x .10</u>		<u>486.00</u>
			TOTAL <u>3711.00</u>

REMARKS:

Pipe on Bottom Break Circulation
with Rig mud shut down
At Hook up to cement line
Mix 180 SX Class A 3% cc 2% Gel
Dis 15 3/4 BBLs fresh water
Cement did Circulate
Shut in washup Rig Down

SERVICE

DEPTH OF JOB	<u>264</u>		
PUMP TRUCK CHARGE			<u>990.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>27</u>	@	<u>7.00 189.00</u>
MANIFOLD		@	

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DEC 15 2010

KCC WICHITA TOTAL 1179.00

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

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		

To Allied Cementing Co., LLC.

11/16/10

ALLIED CEMENTING CO., LLC. 038903

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

SERVICE POINT: Oakley, KS

DATE <u>9/19/10</u>	SEC. <u>15</u>	TWP. <u>15</u>	RANGE <u>25</u>	CALLED OUT	ON LOCATION	JOB START <u>11:00am</u>	JOB FINISH <u>2:00pm</u>
MGT LEASE <u>A</u>	WELL # <u>2</u>	LOCATION <u>Walker 185 11W 1N 142W</u>			COUNTY <u>Trego</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>			<u>WINTO</u>				

CONTRACTOR American Eagle

TYPE OF JOB PTA

HOLE SIZE 7 7/8 T.D. 4520

CASING SIZE 8 7/8 DEPTH

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT

OWNER Same

CEMENT

AMOUNT ORDERED 205 60/40 49 gals

14 lb Plo Seal

COMMON	<u>123</u>	@	<u>13.50</u>	<u>1660.50</u>
POZMIX	<u>82</u>	@	<u>7.25</u>	<u>619.50</u>
GEL		@	<u>20.25</u>	<u>141.75</u>
CHLORIDE		@		
ASC		@		
<u>Plo Seal</u>	<u>51 lb</u>	@	<u>2.45</u>	<u>124.95</u>
HANDLING	<u>214</u>	@	<u>2.25</u>	<u>481.50</u>
MILEAGE	<u>104 SK/mile</u>	@		<u>577.80</u>
TOTAL				<u>3605.50</u>

EQUIPMENT

PUMP TRUCK CEMENTER Alan

422 HELPER Thomson

BULK TRUCK DRIVER Ferry

377

BULK TRUCK DRIVER

#

REMARKS:

1820' - 25 SK

780' - 100 SK

310' - 40 SK

40' - 10 SK

Shot Hole - 30 SK

CHARGE TO: Ten gas CO

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB 990

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE 27 @ 7.00 189.00

MANIFOLD RECEIVED @

DEC 15 2010 @

KCC WICHITA TOTAL 1179.00

PLUG & FLOAT EQUIPMENT

Walker Plug - 8 5/8 @ 39.00

@

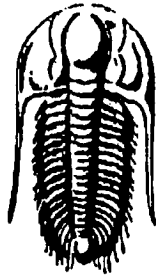
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328.00

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or credit Applicant



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc.**

PO Box 458
Hays, KS 67601

ATTN: Rod Tremblay

15-15-25 Trego KS

Mai "A" 2

Start Date: 2010.07.18 @ 00:39:06

End Date: 2010.07.18 @ 07:17:30

Job Ticket #: 38968 DST #: 1

ORIGINAL

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

RECEIVED

DEC 15 2010

KCC WICHITA

Printed: 2010.07.29 @ 15:04:47 Page 1

Tengasco Inc.

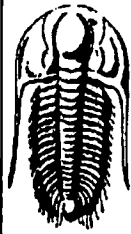
Mai "A" 2

15-15-25 Trego KS

DST # 1

Miss

2010.07.18



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Tengasco Inc.

Mai "A" 2

PO Box 458
Hays, KS 67601

15-15-25 Trego KS

Job Ticket: 38968

DST#: 1

ATTN: Rod Tremblay

Test Start: 2010.07.18 @ 00:39:06

GENERAL INFORMATION:

Formation: Miss

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:58:01

Time Test Ended: 07:17:30

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Interval: 4318.00 ft (KB) To 4335.00 ft (KB) (TVD)

Total Depth: 4335.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 2351.00 ft (KB)

2344.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8647

Inside

Press@RunDepth: 25.05 psig @ 4322.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.07.18

End Date:

2010.07.18

Last Calib.:

2010.07.18

Start Time: 00:39:06

End Time:

07:17:30

Time On Btm:

2010.07.18 @ 02:56:31

Time Off Btm:

2010.07.18 @ 04:59:01

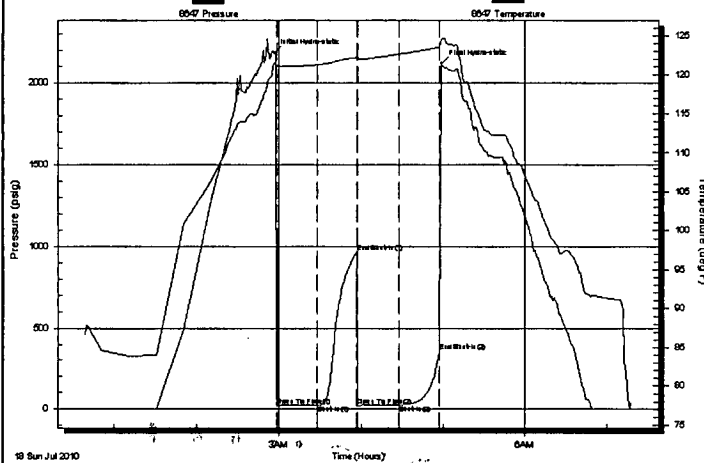
TEST COMMENT: IFP - 1/4" blow - died 27 min.

ISI - no blow back

FFP - no blow

FSI - no blow back

Pressure vs. Time



PRESSURE SUMMARY

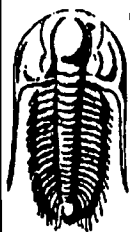
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2185.65	121.41	Initial Hydro-static
2	22.81	121.01	Open To Flow (1)
32	23.96	121.27	Shut-In(1)
60	963.61	122.24	End Shut-In(1)
61	22.37	122.03	Open To Flow (2)
91	25.05	122.67	Shut-In(2)
121	357.46	123.59	End Shut-In(2)
123	2119.13	124.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
9.00	mud 100%	0.13
1.00	free oil TSTM	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco Inc.

Mai "A" 2

PO Box 458
Hays, KS 67601

15-15-25 Trego KS

Job Ticket: 38968

DST#: 1

ATTN: Rod Tremblay

Test Start: 2010.07.18 @ 00:39:06

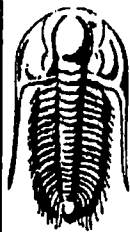
Tool Information

Drill Pipe:	Length: 4306.00 ft	Diameter: 3.80 inches	Volume: 60.40 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: 60.40 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4318.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	17.00 ft			
Tool Length:	37.00 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			4303.00	
Hydraulic tool	5.00			4308.00	
Packer	5.00			4313.00	20.00 Bottom Of Top Packer
Packer	5.00			4318.00	
Stubb	1.00			4319.00	
Perforations	3.00			4322.00	
Recorder	0.00	8647	Inside	4322.00	
Recorder	0.00	8371	Outside	4322.00	
Perforations	10.00			4332.00	
Bullnose	3.00			4335.00	17.00 Bottom Packers & Anchor
Total Tool Length:	37.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc.

Mai "A" 2

PO Box 458
Hays, KS 67601

15-15-25 Trego KS

ATTN: Rod Tremblay

Job Ticket: 38968

DST#: 1

Test Start: 2010.07.18 @ 00:39:06

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:

bbl

Water Loss: 9.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
9.00	mud 100%	0.126
1.00	free oil TSTM	0.014

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0

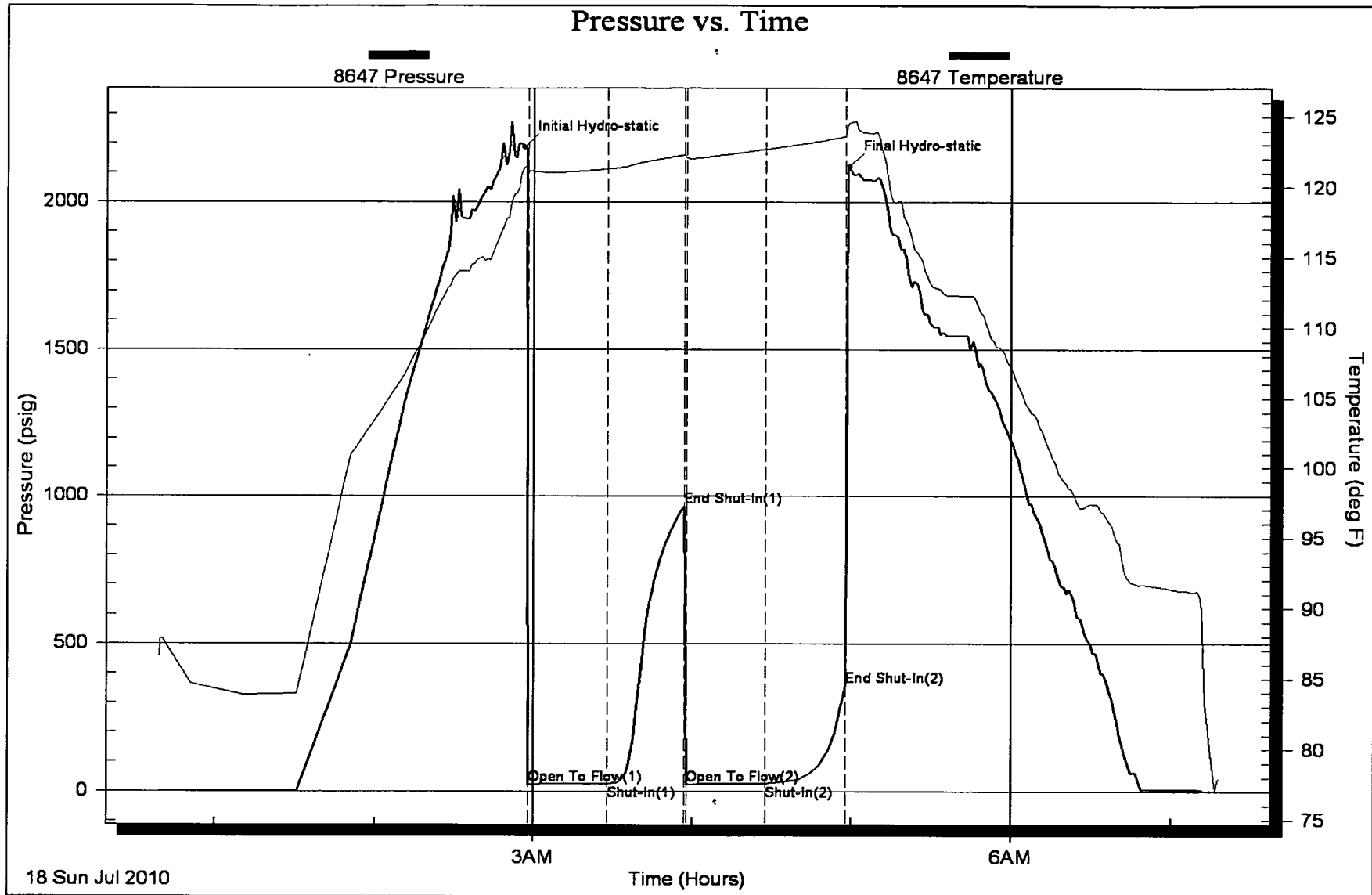
Num Gas Bombs: 0

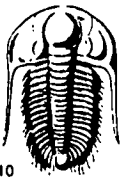
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
JUL 19 2010

Test Ticket

NO. 038968

Well Name & No. Ma "A" 2 Test No. 1 Date 7-17-10
 Company Tengasco Elevation 2351 KB 2344 GL
 Address 1327 Noose Rd Po Box 458 Hays, K 67601
 Co. Rep / Geo. Rod Trembley Rig Am Egg 2
 Location: Sec. 15 Twp. 15 Rge. 25 Co. Trego State K

Interval Tested 4318-4335 Zone Tested Miss
 Anchor Length 17 Drill Pipe Run 4306 Mud Wt. 9.4
 Top Packer Depth 4313 Drill Collars Run — Vis 58
 Bottom Packer Depth 4318 Wt. Pipe Run — WL 9.2
 Total Depth 4335 Chlorides 3000 ppm System LCM —
 Blow Description IFP- 1/4' blow - died 27 min
ISI- no blow back
FFP- no blow
FSI- no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>Free oil</u>	<u>TSTM</u>			
<u>9</u>	<u>Mud</u>				<u>100</u>

Rec Total 10 BHT 124 Gravity TSTM API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2186 Test 1225- T-On Location 2309
 (B) First Initial Flow 23 Jars — T-Started 0039
 (C) First Final Flow 24 Safety Joint — T-Open 0258
 (D) Initial Shut-In 964 Circ Sub — T-Pulled 0458
 (E) Second Initial Flow 22 Hourly Standby — T-Out 0719
 (F) Second Final Flow 3225 Mileage 144 RT 180- Comments —
 (G) Final Shut-In 357 Sampler —
 (H) Final Hydrostatic 2121 Straddle — Ruined Shale Packer —
 Shale Packer — Ruined Packer —
 Extra Packer — Extra Copies —
 Initial Open 30 Extra Recorder — Sub Total 0
 Initial Shut-In 30 Day Standby — Total 1405
 Final Flow 30 Accessibility — MP/DST Disc't —
 Final Shut-In 30 Sub Total 1405-

Approved By _____ Our Representative Brian Fairbank

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.