

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION **ORIGINAL**

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 # 32278
Name: Tengasco, Inc.
Address 1: PO Box 458
Address 2: 1327 Moose 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: Coffeyville Resources

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil WSW SWD SLOW 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 #: _____

<u>3-3-11</u>	<u>3-9-11</u>	<u>3-22-11</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 163-23929-00-00
Spot Description: _____
SE NW SW SW Sec. 11 Twp. 10 S. R. 20 East West
682 Feet from North / South Line of Section
372 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Rooks
Lease Name: Croffoot Well #: 13
Field Name: Marcotte

Producing Formation: Arbuckle
Elevation: Ground: 2208' Kelly Bushing: 2213'
Total Depth: 3846' Plug Back Total Depth: 3785'
Amount of Surface Pipe Set and Cemented at: 262' Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 1692' Feet
If Alternate II completion, cement circulated from: 1692'
feet depth to: surface w/ 200 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 61000 ppm Fluid volume: 180 bbls
Dewatering method used: Hauled to SWD
Location of fluid disposal if hauled offsite:
Operator Name: Tengasco, Inc.
Lease Name: Croffoot License #: 32278
Quarter SW Sec. 11 Twp. 10 S. R. 20 East West
County: Rooks Permit #: D-21,149

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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: 6-30-11

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: DG Date: 7/5/11

Operator Name: Tengasco, Inc. Lease Name: Croffoot Well #: 13
 Sec. 11 Twp. 10 S. R. 20 East West County: Rooks

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, CBL/GR	<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:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>1666</td> <td>+547</td> </tr> <tr> <td>Topeka</td> <td>3237</td> <td>-1024</td> </tr> <tr> <td>Heebner</td> <td>3438</td> <td>-1225</td> </tr> <tr> <td>Toronto</td> <td>3457</td> <td>-1244</td> </tr> <tr> <td>Lansing</td> <td>3475</td> <td>-1262</td> </tr> <tr> <td>BKC</td> <td>3707</td> <td>-1494</td> </tr> <tr> <td>Arbuckle</td> <td>3759</td> <td>-1546'</td> </tr> </table>	Name	Top	Datum	Anhydrite	1666	+547	Topeka	3237	-1024	Heebner	3438	-1225	Toronto	3457	-1244	Lansing	3475	-1262	BKC	3707	-1494	Arbuckle	3759	-1546'
Name	Top	Datum																							
Anhydrite	1666	+547																							
Topeka	3237	-1024																							
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Toronto	3457	-1244																							
Lansing	3475	-1262																							
BKC	3707	-1494																							
Arbuckle	3759	-1546'																							

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	170	3% CC, 2% Gel
Production	7-7/8"	5-1/2"	14#	3845'	ASC	150	10% Salt, 2% Gel

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	0-1692'	60/40 Poz	200	4% gel, 1/4# per sx Flo Seal

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
6	3794-98'	<div style="font-size: 2em; transform: rotate(-15deg); opacity: 0.5;">RECEIVED</div> <div style="font-size: 1.5em; transform: rotate(-15deg); opacity: 0.5;">JUL 01 2011</div> <div style="font-size: 1.5em; transform: rotate(-15deg); opacity: 0.5;">KCC WICHITA</div>	
	CIBP @ 3785'		
6	3758-62'		

TUBING RECORD:	Size: <u>2-7/8"</u>	Set At: <u>3768'</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>3/24/11</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____		
Estimated Production Per 24 Hours	Oil Bbls. <u>2</u>	Gas Mcf	Water Bbls. <u>25</u>	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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>Arb 3758-62'</u>
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ALLIED CEMENTING CO., LLC. 034124

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

SERVICE POINT:
Russell KS.
12:30 AM 1:00 AM

DATE <u>3-4-2011</u>	SEC. <u>11</u>	TWP. <u>10 S</u>	RANGE <u>20 W</u>	CALLED OUT	ON LOCATION	JOB START <u>12:30 AM</u>	JOB FINISH <u>1:00 AM</u>
LEASE <u>CROFOOT</u>		WELL # <u>#13</u>	LOCATION <u>Palco 4E 3 S 4 W</u>		COUNTY <u>ROOKS</u>	STATE <u>KANSAS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR AMERICAN EAGLE Rig # 3 OWNER
 TYPE OF JOB Cement SURFACE
 HOLE SIZE 12 1/4 T.D. 264
 CASING SIZE 8 5/8 New DEPTH 262
 TUBING SIZE 23 #CSG DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 15'
 PERFS.
 DISPLACEMENT 15.85/BBL

CEMENT
AMOUNT ORDERED 170 SK Com
270 GEL
390 CC

COMMON	<u>170</u>	@ <u>13.50</u>	<u>2295.00</u>
POZMIX		@	
GEL	<u>3</u>	@ <u>20.25</u>	<u>60.75</u>
CHLORIDE	<u>6</u>	@ <u>51.50</u>	<u>309.00</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>170</u>	@ <u>2.25</u>	<u>382.50</u>
MILEAGE	<u>110</u>	@ <u>7.73</u>	<u>850.00</u>
TOTAL			<u>3897.25</u>

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EQUIPMENT
 PUMP TRUCK CEMENTER GLENX
 # 398 HELPER WOODY
 BULK TRUCK
 # 481 DRIVER NICK
 BULK TRUCK
 # DRIVER

REMARKS:

RAN 6 new JTS OF 8 5/8 #CSG.
Set @ 262', Cement w/ 1705X
com 243, Displace 15 3/4 BBL
120' Shut in @ 250' fr
Cement did circulate to
SURFACE
MARK'S

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>991.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>50</u>	@ <u>7.00</u>	<u>350.00</u>
MANIFOLD		@	
		@	
		@	

TOTAL 1341.00

CHARGE TO: Tengasco Inc.
 STREET
 CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		

To Allied Cementing Co., LLC:
 You are hereby requested to rent cementing equipment
 and furnish cement and helper(s) to assist in setting or

ALLIED CEMENTING CO., LLC. 03042

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

SERVICE POINT:

Russell Ks

DATE <u>3-17-2011</u>	SEC. <u>11</u>	TWP. <u>10s</u>	RANGE <u>20w</u>	CALLED OUT	ON LOCATION	JOB START <u>12:30PM</u>	JOB FINISH <u>1:00PM</u>
LEASE <u>CROWFOOT</u> WELL # <u>13</u>		LOCATION <u>ZURICH 3W 3S 2W 1/4 N 1/4 E</u>			COUNTY <u>ROCKS</u>	STATE <u>KANSAS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Fisher Well Service (FRANCIS) OWNER

TYPE OF JOB Cement PORT-COLLAR
 HOLE SIZE _____ T.D. _____
 CASING SIZE 5 1/2 DEPTH _____
 TUBING SIZE 2 7/8 DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL PORT COLLAR DEPTH 1692
 PRES. MAX 1,000 # MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT 8 3/4 BBL

CEMENT
 AMOUNT ORDERED 200 SX 60/140 4 1/2 GEL
1/4 # F10 Seal Per SX

COMMON	<u>120</u>	@	<u>16.25</u>	<u>1950.00</u>
POZMIX	<u>80</u>	@	<u>8.50</u>	<u>680.00</u>
GEL	<u>7</u>	@	<u>21.25</u>	<u>148.75</u>
CHLORIDE		@		
ASC		@		
<u>F1 Seal</u>	<u>50 #</u>	@	<u>2.70</u>	<u>135.00</u>

EQUIPMENT
 PUMP TRUCK CEMENTER Glenn
 # 398 HELPER Woody
 BULK TRUCK
 # 413 DRIVER MARK
 BULK TRUCK
 # _____ DRIVER _____

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HANDLING	<u>207</u>	@	<u>2.25</u>	<u>465.75</u>
MILEAGE	<u>111.56/mi.</u>			<u>1024.65</u>
TOTAL				<u>4404.15</u>

REMARKS:

Found Port Collar @ 1692', TEST TO 1,000 # (HELD), OPEN PORT-COLLAR & Received Good Circulation, mixed 200 SX Cement & Cement, CIRCULATE! To Surface. Displace 8 3/4 BBL, Close Port Collar, TEST TO 1,000 # (HELD) Ran 5 JTS & Wash - Clean. Came out of Hole w/ P.C. Tool. THANK'S LUN 90

SERVICE

DEPTH OF JOB				
PUMP TRUCK CHARGE				<u>1250.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>90</u>	@	<u>7.00</u>	<u>630.00</u>
MANIFOLD	<u>YES</u>	@	<u>4.00</u>	<u>360.00</u>
		@		

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

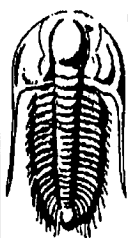
TOTAL 2240.00

PLUG & FLOAT EQUIPMENT

* STATE Rep. Richard Williams on Location. (Kcc) Cement did circulate To Surface!

		@		
		@		
		@		
		@		
		@		

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Tengasco Inc

Croffoot # 13

1327 Noose Rd
Hays Ks 67601

11-10-20-Rooks Ks

Job Ticket: 042860

DST#: 2

ATTN: Rod Tremblay

Test Start: 2011.03.09 @ 11:30:21

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:59:51

Time Test Ended: 18:00:21

Test Type: Conventional Straddle

Tester: Jeff Brown

Unit No: 44

Interval: **3766.00 ft (KB) To 3774.00 ft (KB) (TVD)**

Reference Elevations: 2213.00 ft (KB)

Total Depth: 3846.00 ft (KB) (TVD)

2208.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: **8321** Inside

Press@RunDepth: 213.40 psig @ 3767.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.03.09

End Date:

2011.03.09

Last Calib.: 2011.03.09

Start Time: 11:30:22

End Time:

18:00:21

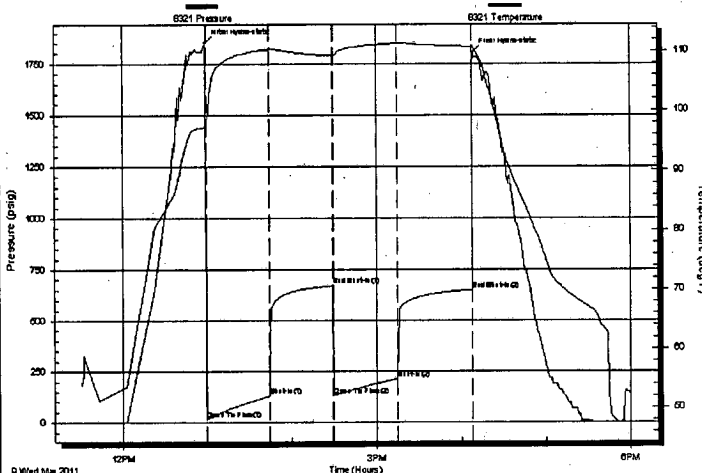
Time On Btm: 2011.03.09 @ 12:59:21

Time Off Btm: 2011.03.09 @ 16:08:21

TEST COMMENT: IFP-Good Blow BOB in 15 min
ISI-Dead no blow back
FFP-Good blow BOB in 23 min
FSI-Dead no blow back

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Pressure vs. Time



PRESSURE SUMMARY

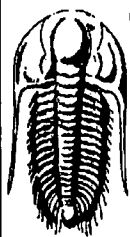
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1850.65	97.65	Initial Hydro-static
1	16.73	98.16	Open To Flow (1)
45	128.81	110.27	Shut-In(1)
90	671.50	109.22	End Shut-In(1)
91	130.81	108.93	Open To Flow (2)
136	213.40	111.23	Shut-In(2)
188	650.95	110.66	End Shut-In(2)
189	1799.29	110.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
419.00	MW 10% M90% W with a scum of oil	5.88
15.00	Free oil	0.21

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc

Croffoot # 13

1327 Noose Rd
Hays Ks 67601

11-10-20-Rooks Ks

Job Ticket: 042860

DST#: 2

ATTN: Rod Tremblay

Test Start: 2011.03.09 @ 11:30:21

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API: 27 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity: 100000 ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
419.00	MW 10%M90%W with a scum of oil	5.877
15.00	Free oil	0.210

Total Length: 434.00 ft Total Volume: 6.087 bbl

Num Fluid Samples: 0

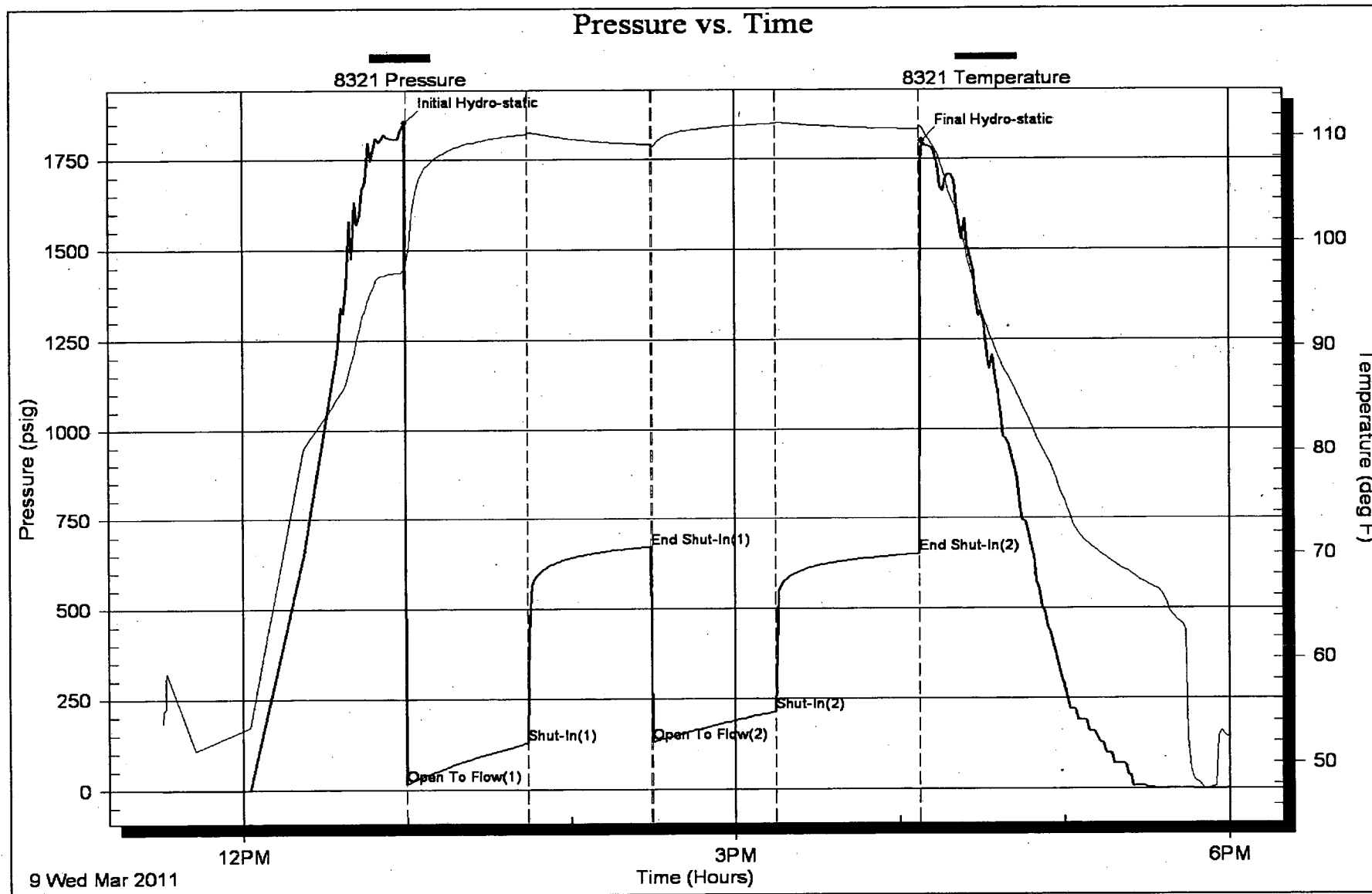
Num Gas Bombs: 0

Serial #:

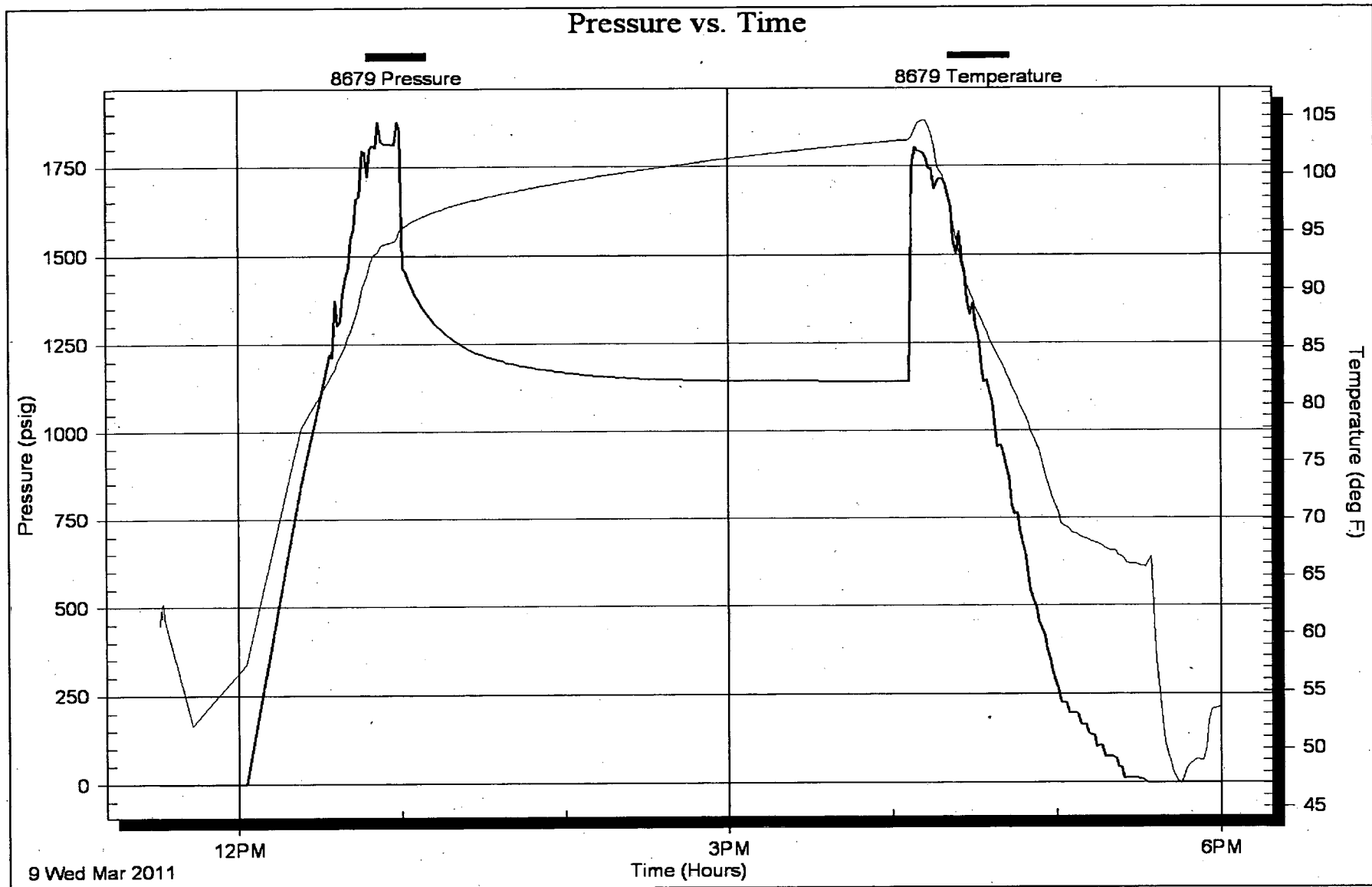
Laboratory Name:

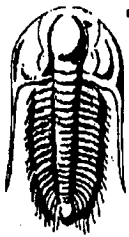
Laboratory Location:

Recovery Comments:



9 Wed Mar 2011





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc

Croffoot # 13

1327 Noose Rd
Hays Ks 67601

11-10-20-Rooks Ks

Job Ticket: 041694

DST#: 1

ATTN: Rod Tremblay

Test Start: 2011.03.08 @ 15:35:19

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:

28000 ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
675.00	Wtr	9.468
120.00	Silty OCM 2%o 98%m	1.683
5.00	CO	0.070

Total Length: 800.00 ft Total Volume: 11.221 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Rw .13 @ 65 =28000ppm

