

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: Clayton Erickson
Purchaser: Coffeyville Resources

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KCC WICHITA

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 #: _____

<u>2-23-11</u>	<u>3-1-11</u>	<u>3-15-11</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 163-23,930-00-00

Spot Description: _____

NW SW SE SE Sec. 11 Twp. 10 S. R. 20 East West

372 Feet from North / South Line of Section

1,240 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Rooks

Lease Name: Croffoot B Well #: #12

Field Name: Marcotte

Producing Formation: Arbuckle

Elevation: Ground: 2204 Kelly Bushing: 2209

Total Depth: 3833' Plug Back Total Depth: 3788'

Amount of Surface Pipe Set and Cemented at: 263 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: 1650 Feet

If Alternate II completion, cement circulated from: 1650

feet depth to: surface w/ 180 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 42,000 ppm Fluid volume: 160 bbls

Dewatering method used: Hauled to disposal well.

Location of fluid disposal if hauled offsite:

Operator Name: Tengasco, Inc.

Lease Name: Croffoot B License #: 32278

Quarter SE Sec. 11 Twp. 10 S. R. 20 East West

County: Rooks Permit #: D-13,117

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: 6-15-11

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: Dlg Date: 6/16/11

Operator Name: Tengasco, Inc. Lease Name: Croffoot B Well #: #12
 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:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>1644</td> <td>+565</td> </tr> <tr> <td>Topeka</td> <td>3223</td> <td>-1014</td> </tr> <tr> <td>Heebner</td> <td>3428</td> <td>-1219</td> </tr> <tr> <td>Toronto</td> <td>3448</td> <td>-1239</td> </tr> <tr> <td>Lansing</td> <td>3465</td> <td>-1256</td> </tr> <tr> <td>BKC</td> <td>3692</td> <td>-1483</td> </tr> <tr> <td>Arbuckle</td> <td>3753</td> <td>-1544</td> </tr> </table>	Name	Top	Datum	Anhydrite	1644	+565	Topeka	3223	-1014	Heebner	3428	-1219	Toronto	3448	-1239	Lansing	3465	-1256	BKC	3692	-1483	Arbuckle	3753	-1544
Name	Top	Datum																							
Anhydrite	1644	+565																							
Topeka	3223	-1014																							
Heebner	3428	-1219																							
Toronto	3448	-1239																							
Lansing	3465	-1256																							
BKC	3692	-1483																							
Arbuckle	3753	-1544																							

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#	263'	Com	170	3% CC, 2% Gel
Production	7-7/8"	5-1/2"	14#	3831'	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 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 (Amount and Kind of Material Used)	Depth
6	3752-55'	<div style="border: 1px solid black; padding: 10px; margin: 0 auto; width: 80%;"> RECEIVED JUN 16 2011 KCC WICHITA </div>	

TUBING RECORD: Size: <u>2-7/8"</u> Set At: <u>3769'</u> Packer At:		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>3-16-11</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 Bbbs. <u>5</u>	Gas Mcf <u>180</u> 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 checked="" 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: <u>Arbuckle 3752-55'</u>
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ALLIED CEMENTING CO., LLC. 038705

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

SERVICE POINT:
Great Bend KS

DATE <u>2-23-11</u>	SEC. <u>11</u>	TWP. <u>10S</u>	RANGE <u>20W</u>	CALLED OUT	ON LOCATION	JOB START <u>2:00 PM</u>	JOB FINISH <u>2:30 PM</u>
LEASE <u>Crossfoot</u>	WELL # <u>12</u>	LOCATION <u>Palco East To 7 RD</u>			COUNTY <u>ROCK</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)		<u>South West to north East to</u>					

CONTRACTOR American Eagle Rig 3

TYPE OF JOB _____

HOLE SIZE 12 1/4 T.D. 264

CASING SIZE 8 1/2 DEPTH 263

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15

PERFS. _____

DISPLACEMENT 15 3/4 BBLS

OWNER Tengaco

CEMENT

AMOUNT ORDERED 170SX class A
3% cc + 2% gel

COMMON	<u>170</u>	@	<u>13.50</u>	<u>2,295.00</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		@		

EQUIPMENT

PUMP TRUCK CEMENTER Wayne

366 HELPER Bob + Gary

BULK TRUCK

473 DRIVER TWS Todd

BULK TRUCK

_____ DRIVER _____

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HANDLING	<u>170</u>	@	<u>2.25</u>	<u>382.50</u>
MILEAGE	<u>170 x 50 x .10</u>			<u>850.00</u>
			TOTAL	<u>3897.25</u>

REMARKS:

Pipe on Bottom B-rak circulation
with Rig mud
shut down mix 170SX class A
3% cc + 2% gel
Displace 15 3/4 BBLS freshwater
shut in
Cement did circulate

SERVICE

DEPTH OF JOB	<u>263</u>			
PUMP TRUCK CHARGE				<u>991.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>50</u>	@	<u>7.00</u>	<u>350.00</u>
MANIFOLD		@		

CHARGE TO: Tengaco

STREET _____

CITY _____ STATE _____ ZIP _____

TOTAL 1341.00

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		

ALLIED CEMENTING CO., LLC. 036877

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

SERVICE POINT:
Russell

DATE <u>3-1-11</u>	SEC. <u>11</u>	TWP. <u>10</u>	RANGE <u>20</u>	CALLED OUT	ON LOCATION	JOB START <u>9:45 AM</u>	JOB FINISH <u>10:45 PM</u>
LEASE <u>Crawfoot</u> WELL # <u>B-12</u>		LOCATION <u>PA1co 3S 2E</u>			COUNTY <u>ROCKS</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR American Eagle

TYPE OF JOB Long string

HOLE SIZE 7 7/8 T.D.

CASING SIZE 5 1/2 4 1/2 DEPTH

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 38.53

PERFS.

DISPLACEMENT 92 1/2 bbls

EQUIPMENT

PUMP TRUCK CEMENTER Bill

417 HELPER Heth

BULK TRUCK

378 DRIVER Todd TWS

BULK TRUCK

DRIVER

OWNER

CEMENT

AMOUNT ORDERED

1800 lb ASC 290 gal 10% salt

500 gal WFR2

COMMON	@		
POZMIX	@		
GEL	@	<u>3</u>	<u>20.25</u>
CHLORIDE	@		
ASC	@	<u>180</u>	<u>16.70</u>
	@		
	@		
<u>WER-2</u>	@	<u>500</u>	<u>1.10</u>
	@		
	@		
	@		
	@		
HANDLING	@	<u>180</u>	<u>2.25</u>
MILEAGE	@	<u>110/sk/mi</u>	<u>900.00</u>
TOTAL			<u>4921.75</u>

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REMARKS:

Pipe set @ 3831 KCC WICHITA

Shoe pt 38.53

Insert 3792.47

pump 500 gal WFR2 cont of 16.5 sk

pump plug w/ 92 1/2 bbls of water

Land plug @ PSE float Dickhead

RH 25 sk

SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE		<u>1957.00</u>
EXTRA FOOTAGE	@	
MILEAGE	@	<u>50</u> <u>7.00</u> <u>350.00</u>
MANIFOLD	@	
	@	
	@	
TOTAL <u>2307.00</u>		

CHARGE TO: Tengasco

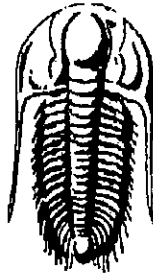
STREET _____

CITY _____ STATE _____ ZIP _____

PC @ 1/6/13

PLUG & FLOAT EQUIPMENT

1- Rubber plug		<u>43.00</u>
5- Centralizers	@	<u>35.00</u> <u>175.00</u>
1- Basket	@	<u>16.00</u>
1- Port Collar	@	<u>175.00</u>
1- Insert	@	<u>112.00</u>
	@	<u>101.00</u>



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc**

1327 Noose Rd
Hays KS 67601

ATTN: Rod Tremblay

11-10-20 Rooks KS

Crofoot B # 12

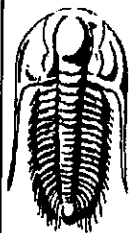
Start Date: 2011.02.27 @ 23:08:56

End Date: 2011.02.28 @ 04:53:26

Job Ticket #: 041688 DST #: 1

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KCC WICHITA

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

Crofoot B # 12

1327 Noose Rd
Hays KS 67601

11-10-20 Rooks KS

Job Ticket: 041688 DST#: 1

ATTN: Rod Tremblay

Test Start: 2011.02.27 @ 23:08:56

GENERAL INFORMATION:

Formation: I-J LKC
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:15:56
Time Test Ended: 04:53:26

Test Type: Conventional Bottom Hole
Tester: Dan Bangle
Unit No: 38

Interval: 3606.00 ft (KB) To 3642.00 ft (KB) (TVD)
Total Depth: 3642.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2209.00 ft (KB)
2204.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8354

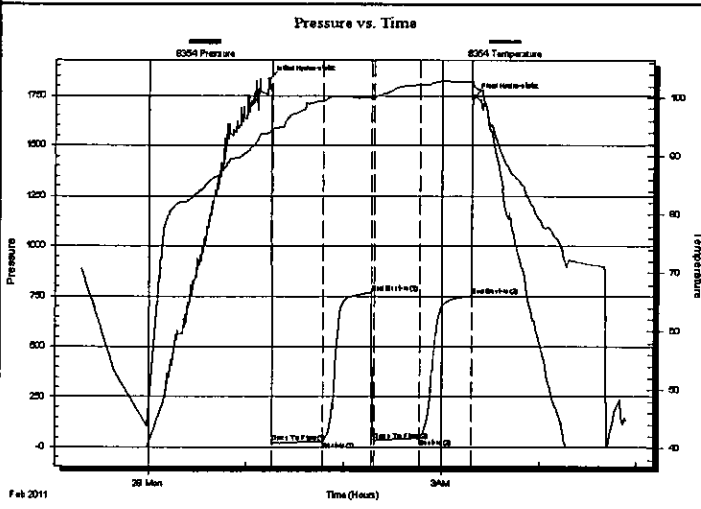
Inside

Press@RunDepth: 44.50 psig @ 3607.00 ft (KB)
Start Date: 2011.02.27 End Date: 2011.02.28
Start Time: 23:18:56 End Time: 04:53:26

Capacity: 8000.00 psig
Last Calib.: 2011.02.28
Time On Btm: 2011.02.28 @ 01:13:56
Time Off Btm: 2011.02.28 @ 03:19:26

TEST COMMENT: IF-Weak steady 1/4" blow

FF-Weak steady 1/4" blow
Times [30-30-30-30]



PRESSURE SUMMARY

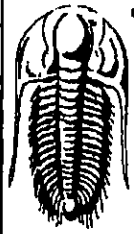
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1832.83	94.00	Initial Hydro-static
2	21.91	94.16	Open To Flow (1)
33	30.63	99.44	Shut-In(1)
63	768.14	100.01	End Shut-In(1)
65	34.09	100.15	Open To Flow (2)
92	44.50	102.33	Shut-In(2)
124	751.83	102.84	End Shut-In(2)
126	1746.94	101.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OCM 40% @ 60% m	0.84

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco Inc
1327 Moose Rd
Hays KS 67601
ATTN: Rod Tremblay

Crofoot B # 12
11-10-20 Rooks KS
Job Ticket: 041688 DST#: 1
Test Start: 2011.02.27 @ 23:08:56

Tool Information

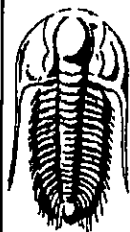
Drill Pipe:	Length: 3594.00 ft	Diameter: 3.80 inches	Volume: 50.41 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 50.41 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3606.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	64.00 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			3579.00	
Shut In Tool	5.00			3584.00	
Hydraulic tool	5.00			3589.00	
Jars	5.00			3594.00	
Safety Joint	3.00			3597.00	
Packer	5.00			3602.00	28.00 Bottom Of Top Packer
Packer	4.00			3606.00	
Stubb	1.00			3607.00	
Recorder	0.00	8354	Inside	3607.00	
Recorder	0.00	8520	Outside	3607.00	
Perforations	32.00			3639.00	
Bullnose	3.00			3642.00	36.00 Bottom Packers & Anchor

Total Tool Length: 64.00

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc

Crofoot B # 12

1327 Noose Rd
Hays KS 67601

11-10-20 Rooks KS

Job Ticket: 041688

DST#: 1

ATTN: Rod Tremblay

Test Start: 2011.02.27 @ 23:08:56

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: 55.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.79 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
60.00	OCM 40%o 60%m	0.842

Total Length: 60.00 ft

Total Volume: 0.842 bbf

Num Fluid Samples: 0

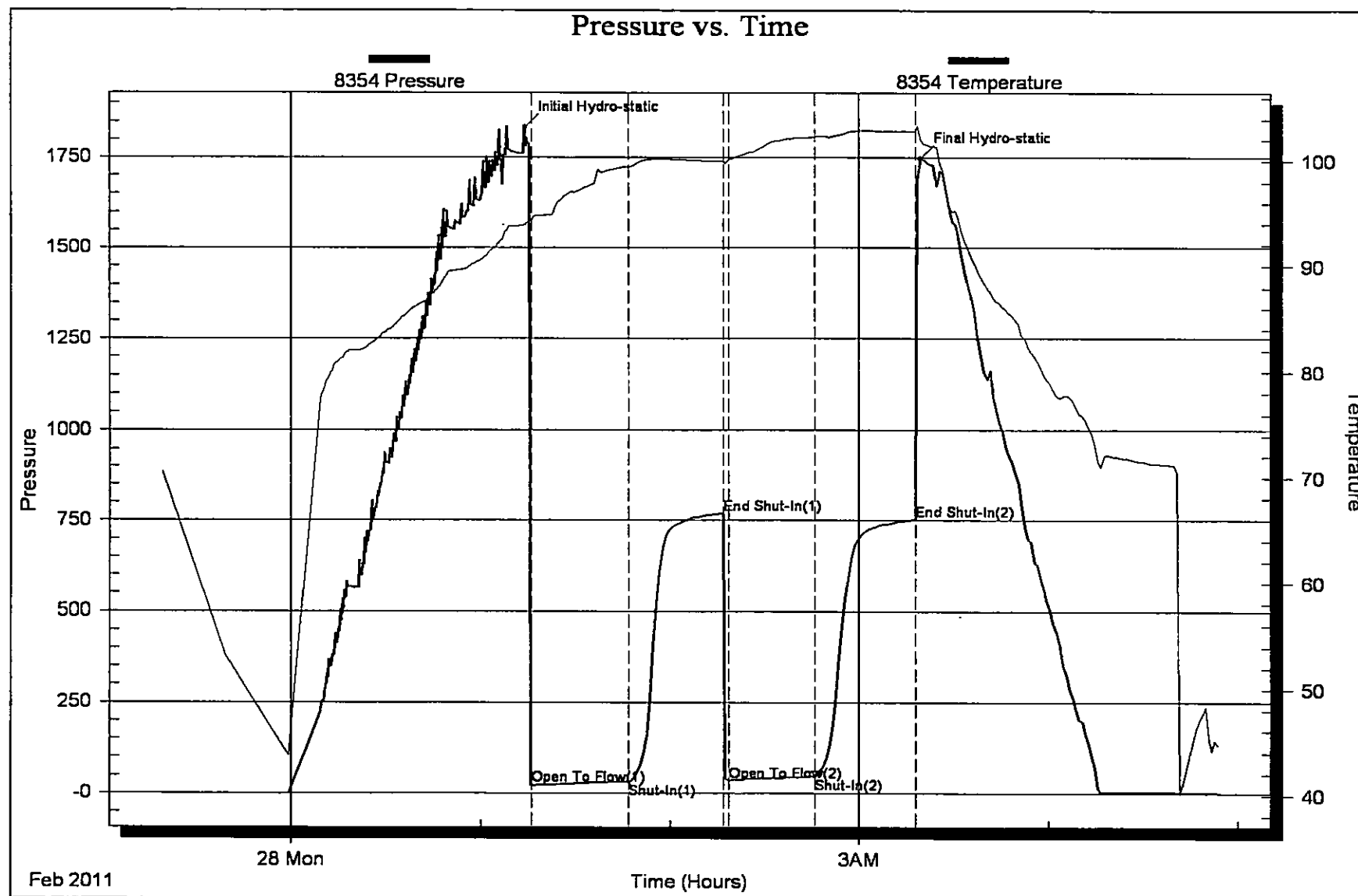
Num Gas Bombs: 0

Serial #:

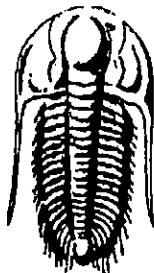
Laboratory Name:

Laboratory Location:

Recovery Comments:



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KCC WICHITA



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc**

1327 Noose Rd
Hays KS 67601

ATTN: Rod Tremblay

11-10-20 Rooks KS

Crofoot B # 12

Start Date: 2011.02.28 @ 17:25:40

End Date: 2011.03.01 @ 01:28:40

Job Ticket #: 041689 DST #: 2

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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

Crofoot B # 12

1327 Moose Rd
Hays KS 67601

11-10-20 Rooks KS

Job Ticket: 041689

DST#: 2

ATTN: Rod Tremblay

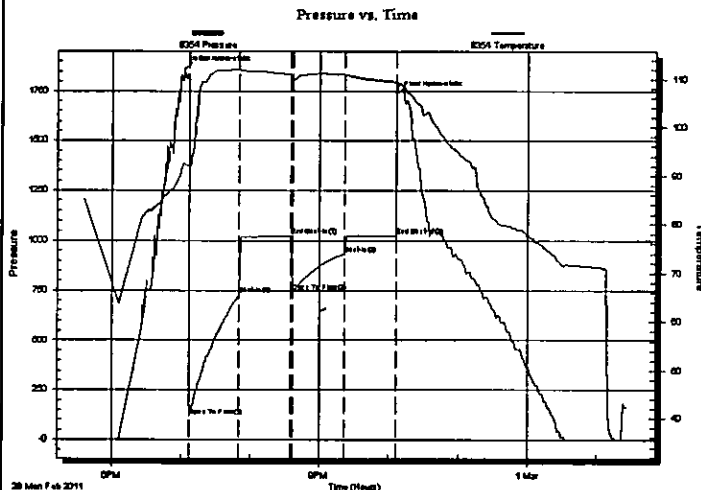
Test Start: 2011.02.28 @ 17:25:40

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: 19:06:40
 Time Test Ended: 01:28:40
 Interval: **3687.00 ft (KB) To 3753.00 ft (KB) (TVD)**
 Total Depth: **3642.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 Test Type: **Conventional Bottom Hole**
 Tester: **Dan Bangle**
 Unit No: **38**
 Reference Elevations: **2209.00 ft (KB)**
2204.00 ft (CF)
 KB to GR/CF: **5.00 ft**

Serial #: 8354 Inside
 Press@RunDepth: **933.77 psig @ 3691.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2011.02.28** End Date: **2011.03.01** Last Calib.: **2011.03.01**
 Start Time: **17:35:40** End Time: **01:28:40** Time On Btm: **2011.02.28 @ 19:02:30**
 Time Off Btm: **2011.02.28 @ 22:06:40**

TEST COMMENT: IF-Strong B-B in 1 min
 IS-Weak building to 1/2" Times[45-45-45-45]
 FF-Strong B-B in 3 min
 FSI-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1859.52	92.49	Initial Hydro-static
5	118.16	91.52	Open To Flow (1)
48	727.49	111.97	Shut-In(1)
93	1022.84	110.82	End Shut-In(1)
95	742.62	109.89	Open To Flow (2)
139	933.77	110.77	Shut-In(2)
184	1023.36	109.39	End Shut-In(2)
185	1733.53	109.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
560.00	Mdy Wtr 90%w 10%m	7.86
872.00	Frothy Gsy Mdy O	12.23
800.00	CGsyO 30%g 70%o	11.22
0.00	120' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco Inc
1327 Noose Rd
Hays KS 67601

Crofoot B # 12

11-10-20 Rooks KS

Job Ticket: 041689

DST#: 2

ATTN: Rod Tremblay

Test Start: 2011.02.28 @ 17:25:40

Tool Information

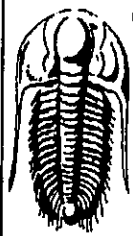
Drill Pipe:	Length: 3686.00 ft	Diameter: 3.80 inches	Volume: 51.70 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 51.70 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3687.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	66.00 ft			
Tool Length:	94.00 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			3660.00	
Shut In Tool	5.00			3665.00	
Hydraulic tool	5.00			3670.00	
Jars	5.00			3675.00	
Safety Joint	3.00			3678.00	
Packer	5.00			3683.00	28.00 Bottom Of Top Packer
Packer	4.00			3687.00	
Stubb	1.00			3688.00	
Perforations	2.00			3690.00	
Change Over Sub	1.00			3691.00	
Recorder	0.00	8354	Inside	3691.00	
Recorder	0.00	8520	Outside	3691.00	
Drill Pipe	31.00			3722.00	
Change Over Sub	1.00			3723.00	
Perforations	27.00			3750.00	
Bullnose	3.00			3753.00	66.00 Bottom Packers & Anchor
Total Tool Length:	94.00				

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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc

Crofoot B # 12

1327 Noose Rd
Hays KS 67601

11-10-20 Rooks KS

Job Ticket: 041689

DST#: 2

ATTN: Rod Tremblay

Test Start: 2011.02.28 @ 17:25:40

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

30 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

24000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
560.00	Mdy Wtr 90%w 10%m	7.855
872.00	Frothy Gsy Mdy O	12.232
800.00	CGsyO 30%g 70%o	11.222
0.00	120' GIP	0.000

Total Length: 2232.00 ft

Total Volume: 31.309 bbl

Num Fluid Samples: 0

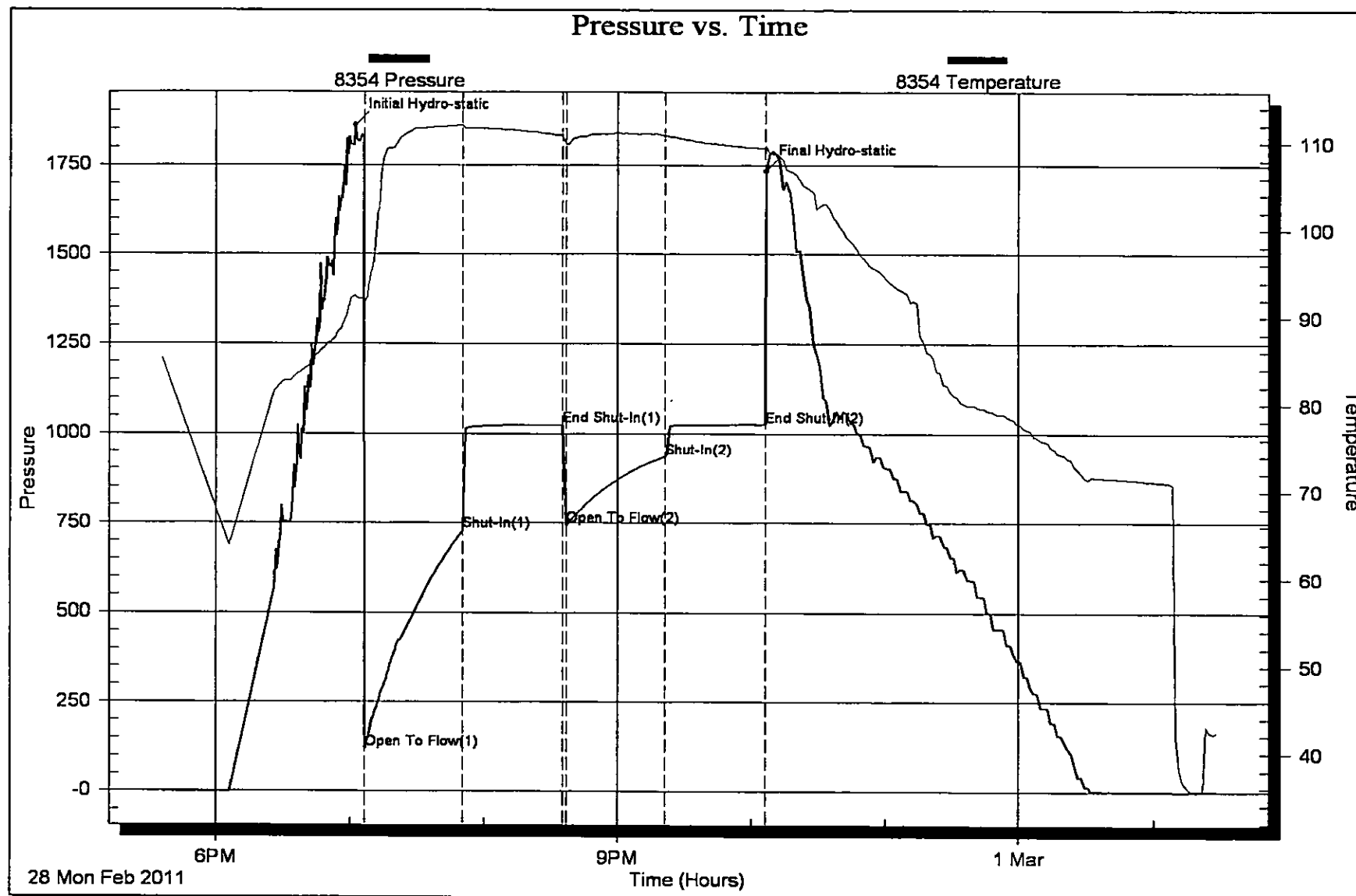
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Rw .3 @ 70 = 24000ppm



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