

**ORIGINAL**  
**KANSAS CORPORATION COMMISSION**  
**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 # 32278  
 Name: Tengasco, Inc.  
 Address 1: PO Box 458  
 Address 2: 1327 Nose 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     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 #: \_\_\_\_\_

8-23-11	8-29-11	9-8-11
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 163-23970-00-00

Spot Description: \_\_\_\_\_  
S2 NW NW SW Sec. 34 Twp. 8 S. R. 19  East  West  
2,145 Feet from  North /  South Line of Section  
330 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Rooks

Lease Name: Amrein Well #: 1

Field Name: Webster

Producing Formation: Arbuckle

Elevation: Ground: 1960 Kelly Bushing: 1967

Total Depth: 3490 Plug Back Total Depth: 3467

Amount of Surface Pipe Set and Cemented at: 264 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: 1396 Feet

If Alternate II completion, cement circulated from: 1396

feet depth to: surface w/ 180 sx cmt.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: 28,000 ppm Fluid volume: 220 bbls

Dewatering method used: Hauled to SWD

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: Tengasco, Inc.

Lease Name: Cerrow A License #: 32278

Quarter NW Sec. 4 Twp. 9 S. R. 19  East  West

County: Rooks Permit #: D-21,092

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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: 11-4-11

**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: 11/14/11

Operator Name: Tengasco, Inc. Lease Name: Amrein Well #: 1  
 Sec. 34 Twp. 8 S. R. 19  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 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: <b>Dual Induction, Density Neutron/PE, Micro, CBL/GR</b>	<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>1378</td> <td>+589</td> </tr> <tr> <td>Topeka</td> <td>2911</td> <td>-944</td> </tr> <tr> <td>Heebner</td> <td>3117</td> <td>-1150</td> </tr> <tr> <td>Toronto</td> <td>3140</td> <td>-1173</td> </tr> <tr> <td>Lansing</td> <td>3158</td> <td>-1191</td> </tr> <tr> <td>BKC</td> <td>3374</td> <td>-1407</td> </tr> <tr> <td>Arbuckle</td> <td>3402</td> <td>-1435</td> </tr> </table>	Name	Top	Datum	Anhydrite	1378	+589	Topeka	2911	-944	Heebner	3117	-1150	Toronto	3140	-1173	Lansing	3158	-1191	BKC	3374	-1407	Arbuckle	3402	-1435
Name	Top	Datum																							
Anhydrite	1378	+589																							
Topeka	2911	-944																							
Heebner	3117	-1150																							
Toronto	3140	-1173																							
Lansing	3158	-1191																							
BKC	3374	-1407																							
Arbuckle	3402	-1435																							

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#	264'	Com	180	3% CC, 2% Gel
Production	7-7/8"	5-1/2"	14#	3488'	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 <i>(Amount and Kind of Material Used)</i>	Depth
6	3398-3406'		RECEIVED NOV 07 2011 KCC WICHITA

<b>TUBING RECORD:</b>		Size: <u>2-7/8"</u>	Set At: <u>3447'</u>	Packer At: <u>N/A</u>	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>9-19-11</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>390</u>	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-1B.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other (Specify) _____	<b>PRODUCTION INTERVAL:</b> <u>Arbuckle 3398-3406'</u>
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*Russell Ks*  
*NOON*

DATE <u>9-6-2011</u>	SEC. <u>34</u>	TWP. <u>8S</u>	RANGE <u>19W</u>	CALLED OUT	ON LOCATION	JOB START <u>11:30 AM</u>	JOB FINISH <u>12:00 AM</u>
LEASE <u>AMREIN</u>	WELL # <u>1</u>	LOCATION <u>ZURICH KS, SN YRELS INTO</u>			COUNTY <u>ROOKS</u>	STATE <u>KANSAS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Fisher Well Service (FRANCIS K) OWNER \_\_\_\_\_

TYPE OF JOB Cement (Port-Collar)

HOLE SIZE	T.D.
CASING SIZE <u>5 1/2</u>	DEPTH <u>3488</u>
TUBING SIZE <u>2 7/8</u>	DEPTH
DRILL PIPE	DEPTH
TOOL <u>Port Collar @</u>	DEPTH <u>1396'</u>
PRES. MAX <u>700#</u>	MINIMUM <u>300#</u>
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT <u>T-8 BHC</u>	<u>Core 7 BHC</u>

EQUIPMENT

PUMP TRUCK	CEMENTER <u>Glen</u>
# <u>417</u>	HELPER <u>WOODY</u>
BULK TRUCK	
# <u>493</u>	DRIVER <u>NICK</u>
BULK TRUCK	
#	DRIVER

REMARKS:

Found Port Collar @ 1396' - Test - To 700# (Held)  
Open & received very good circulation.  
Mixed 180 SX Cement, + Cement Circ  
Around Annulus, Displaced 720# Behind H<sup>20</sup>  
CloseD-PC - & Check To 700# (Held)  
Ran 5 JT'S IN & WASHED Clean.  
Came out of Hole w/ PC opening  
TOOL. THANKS

CHARGE TO: TENGASCO Inc.

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

CEMENT

AMOUNT ORDERED 180 SX <sup>60</sup> 40 6.9 GEL  
1/4# F10-Seal Pop SX.

COMMON	<u>10F</u>	@ <u>16.25</u>	<u>1755.00</u>
POZMIX	<u>72</u>	@ <u>8.50</u>	<u>612.00</u>
GEL	<u>9</u>	@ <u>21.25</u>	<u>191.25</u>
CHLORIDE		@	
ASC		@	
		@	
	<u>F10 Seal 45#</u>	@ <u>2.70</u>	<u>121.50</u>
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>189</u>	@ <u>2.25</u>	<u>425.25</u>
MILEAGE	<u>11.5K/mile</u>	<u>45</u>	<u>935.55</u>
TOTAL			<u>4040.55</u>

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>1050.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>90</u>	@ <u>7.00</u>	<u>630.00</u>
MANIFOLD <u>yes</u>		@	
		@	
	<u>cup</u>	@ <u>4.00</u>	<u>360.00</u>

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TOTAL 2040.00

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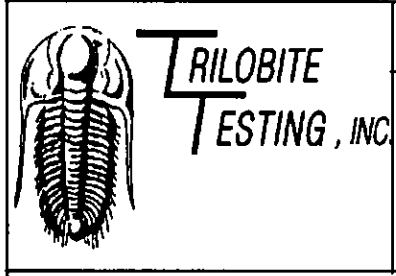
PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		

TOTAL \_\_\_\_\_

SALES TAX (If Any) \_\_\_\_\_

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.



## DRILL STEM TEST REPORT

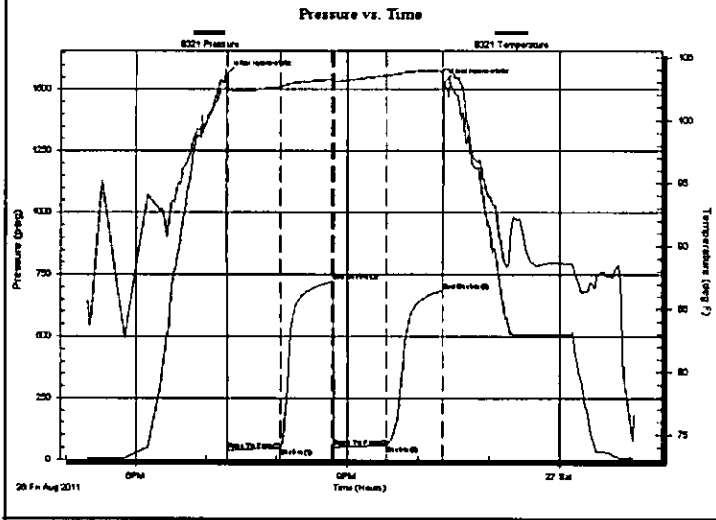
Tengasco INC Po Box 458 Hays Ks 67601 + 9744 ATTN: Rod Tremblay	Amrein #1 34-8s-19w-Rooks Job Ticket: 039744      DST#: 1 Test Start: 2011.08.26 @ 17:18:02
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**GENERAL INFORMATION:**

Formation: <b>LSG-A</b> Deviated: No Whipstock:      ft (KB) Time Tool Opened: 19:18:02 Time Test Ended: 01:05:02 Interval: <b>3114.00 ft (KB) To 3176.00 ft (KB) (TVD)</b> Total Depth: <b>3176.00 ft (KB) (TVD)</b> Hole Diameter: <b>7.88 inches</b> Hole Condition: Fair	Test Type: Conventional Bottom Hole Tester: Jeff Brown Unit No: 44 Reference Elevations: <b>1967.00 ft (KB)</b> <b>1960.00 ft (CF)</b> KB to GR/CF: <b>7.00 ft</b>
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<b>Serial #: 8321</b> Inside Press@RunDepth: <b>59.07 psig @ 3153.00 ft (KB)</b> Start Date: <b>2011.08.26</b> End Date: <b>2011.08.27</b> Start Time: <b>17:18:03</b> End Time: <b>01:04:02</b>	Capacity: <b>8000.00 psig</b> Last Calib.: <b>2011.08.27</b> Time On Btm: <b>2011.08.26 @ 19:17:32</b> Time Off Btm: <b>2011.08.26 @ 22:21:32</b>	
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**TEST COMMENT:** IFP-Weak blow built to 2 1/2 in  
 ISI-Dead no blow back  
 FFP-Weak blow built to 1 1/2 in  
 FSI-Dead no blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1559.01	102.70	Initial Hydro-static
1	37.31	102.24	Open To Flow (1)
46	48.04	102.70	Shut-In(1)
90	721.26	103.26	End Shut-In(1)
91	49.93	103.13	Open To Flow (2)
135	59.07	103.56	Shut-In(2)
183	685.53	103.91	End Shut-In(2)
184	1528.11	104.12	Final Hydro-static

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Recovery		
Length (ft)	Description	Volume (bbl)
50.00	VSOCM 3%O97%M	0.70

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



**TRILOBITE**  
TESTING, INC.

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Tengasco INC  
Po Box 458  
Hays Ks 67601 + 9744  
ATTN: Rod Tremblay

**Amrein #1**  
**34-8s-19w-Rooks**  
Job Ticket: 039744      **DST#: 1**  
Test Start: 2011.08.26 @ 17:18:02

### Mud and Cushion Information

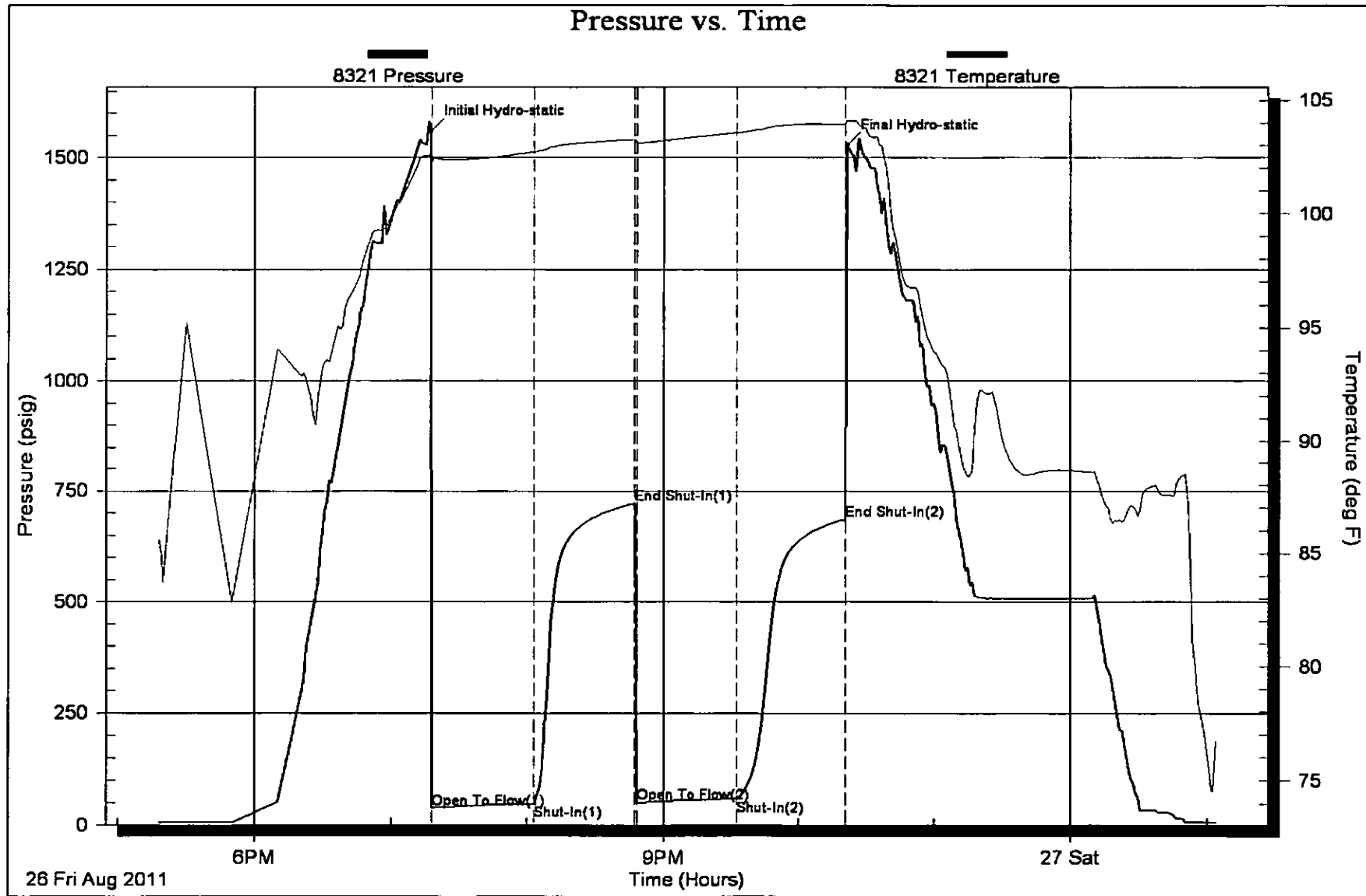
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in*	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4300.00 ppm			
Filter Cake: inches			

### Recovery Information

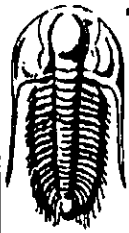
Recovery Table

Length ft	Description	Volume bbl
50.00	VSOCM 3%O97%M	0.701

Total Length: 50.00 ft      Total Volume: 0.701 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:







**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Tengasco INC  
Po Box 458  
Hays Ks 67601 + 9744  
ATTN: Rod Tremblay

**Amrein #1**  
**34-8s-19w-Rooks**  
Job Ticket: 039745      **DST#: 2**  
Test Start: 2011.08.27 @ 00:46:53

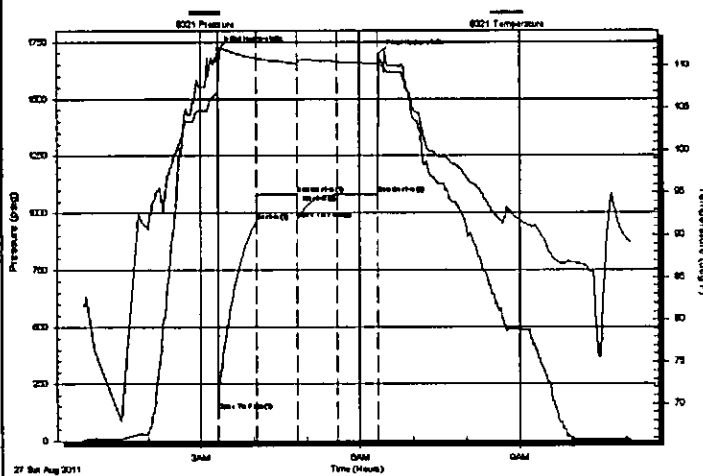
### GENERAL INFORMATION:

Formation: **Arbuckle**  
Deviated: **No** Whipstock: **ft (KB)**  
Time Tool Opened: 03:19:53  
Time Test Ended: 11:06:53  
Interval: **3362.00 ft (KB) To 3409.00 ft (KB) (TVD)**  
Total Depth: **3409.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
Test Type: **Conventional Bottom Hole**  
Tester: **Jeff Brown**  
Unit No: **44**  
Reference Elevations: **1967.00 ft (KB)**  
**1960.00 ft (CF)**  
KB to GR/CF: **7.00 ft**

**Serial #: 8321**      **Inside**  
Press@RunDepth: **1082.35 psig @ 3399.00 ft (KB)**  
Start Date: **2011.08.27**      End Date: **2011.08.27**  
Start Time: **00:46:54**      End Time: **11:05:53**  
Capacity: **8000.00 psig**  
Last Calib.: **2011.08.28**  
Time On Btm: **2011.08.27 @ 03:19:23**  
Time Off Btm: **2011.08.27 @ 06:21:53**

**TEST COMMENT:** IFP-Strong blow BOB in 1 min  
ISI-Dead no blow back  
FFP-Strong blow BOB in 2 min  
FSI-Dead no blow back

Pressure vs. Time



### PRESSURE SUMMARY

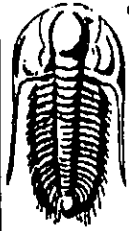
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1716.16	106.80	Initial Hydro-static
1	131.41	106.23	Open To Flow (1)
45	964.41	110.89	Shut-In(1)
90	1082.72	110.28	End Shut-In(1)
91	972.60	110.27	Open To Flow (2)
136	1082.35	110.51	Shut-In(2)
181	1083.03	110.24	End Shut-In(2)
183	1697.68	110.19	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
1612.00	OCMW 10%O5%M85%W	22.61
186.00	OCGW 20%O10%G70%W	2.61
248.00	SOCWM 5%O40%W55%M	3.48
124.00	OCGWM 20%O5%G5%W70%M	1.74
186.00	OCM 20%O80%M	2.61
0.00	124 GIP	0.00

### Gas Rates

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



**TRILOBITE**  
TESTING, INC

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Tengasco INC  
Po Box 458  
Hays Ks 67601 + 9744  
ATTN: Rod Tremblay

**Amrein #1**  
**34-8s-19w-Rooks**  
Job Ticket: 039745      **DST#: 2**  
Test Start: 2011.08.27 @ 00:46:53

**Mud and Cushion Information**

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	32000 ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.19 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7400.00 ppm			
Filter Cake: inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
1612.00	OCMW 10%O5%M85%W	22.612
186.00	OCGW 20%O10%G70%W	2.609
248.00	SOCWM 5%O40%W55%M	3.479
124.00	OCGWM 20%O5%G5%W70%M	1.739
186.00	OCM 20%O80%M	2.609
0.00	124 GP	0.000

Total Length: 2356.00 ft      Total Volume: 33.048 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

