

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  
Address 1: 1327 Moose Road  
Address 2: Po Box 458  
City: Hays State: KS Zip: 67601 + 9744  
Contact Person: Gary Wagner  
Phone: ( 785 ) 625-6374  
CONTRACTOR: License # 33493  
Name: American Eagle  
Wellsite Geologist: Mike Bair  
Purchaser: N/A

Designate Type of Completion:

- New Well     Re-Entry     Workover
- Oil     WSW     SWD     SLOW
- 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>11/12/2011</u>	<u>11/20/2011</u>	<u>11/21/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 195-22739-00-00

Spot Description: \_\_\_\_\_

NW SE NW SW Sec. 16 Twp. 15 S. R. 25  East  West

1,935 Feet from  North /  South Line of Section

812 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Trego

Lease Name: Schoepel Well #: 1

Field Name: Wildcat

Producing Formation: N/A

Elevation: Ground: 2430 Kelly Bushing: 2437

Total Depth: 4556 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: 23000 ppm Fluid volume: 180 bbls

Dewatering method used: Evaporation

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

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: KCC WICHITA

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

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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: 12-23-11

**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: 12/28/11

Operator Name: Tengasco Lease Name: Schoeppel Well #: 1  
 Sec. 16 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 Wireline 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/pe, micro</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Anhy</td> <td>1902</td> <td>+533</td> </tr> <tr> <td>Heebner</td> <td>3737</td> <td>-1300</td> </tr> <tr> <td>Lansing</td> <td>3775</td> <td>-1338</td> </tr> <tr> <td>BKC</td> <td>4078</td> <td>-1641</td> </tr> <tr> <td>Ft. Scott</td> <td>4278</td> <td>-1841</td> </tr> <tr> <td>Cherokee</td> <td>4303</td> <td>-1867</td> </tr> <tr> <td>Miss. Dolo</td> <td>4386</td> <td>-1949</td> </tr> </tbody> </table>	Name	Top	Datum	Anhy	1902	+533	Heebner	3737	-1300	Lansing	3775	-1338	BKC	4078	-1641	Ft. Scott	4278	-1841	Cherokee	4303	-1867	Miss. Dolo	4386	-1949
Name	Top	Datum																							
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Miss. Dolo	4386	-1949																							

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

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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. 035175

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

SERVICE POINT:  
OAKLEY

DATE <u>11-12-11</u>	SEC <u>16</u>	TWP <u>15S</u>	RANGE <u>25 W</u>	CALLED OUT	ON LOCATION	JOB START <u>8 PM</u>	JOB FINISH <u>8:30 PM</u>
LEASE <u>SCHOEPPFEL</u>	WELL # <u>1</u>	LOCATION <u>vec. COLLIER KS</u>			COUNTY <u>TRECO</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR AMERICAN EAGLE  
 TYPE OF JOB SURFACE  
 HOLE SIZE 12.25 T.D.  
 CASING SIZE 8 7/8 DEPTH 265.98  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG. 15  
 PERFS.  
 DISPLACEMENT 15.96 bbl

OWNER  
 CEMENT  
 AMOUNT ORDERED 180 SK

COMMON	<u>180</u>	@	<u>16.35</u>	<u>2925.00</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>21.35</u>	<u>63.15</u>
CHLORIDE	<u>6</u>	@	<u>58.82</u>	<u>349.22</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>189</u>	@	<u>2.25</u>	<u>425.25</u>
MILEAGE	<u>65 X 189 X .11</u>			<u>1351.25</u>
TOTAL				<u>5114.55</u>

EQUIPMENT  
 PUMP TRUCK CEMENTER Bobby Smith  
 # 422 HELPER WAYNE  
 BULK TRUCK  
 # 347 DRIVER TYLER  
 BULK TRUCK  
 # DRIVER

REMARKS:

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 Kirk F. Dinning  
 SIGNATURE Kirk F. Dinning

SERVICE

DEPTH OF JOB	<u>265.98</u>		
PUMP TRUCK CHARGE			<u>1125.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>130</u>	@	<u>7.00</u>
MANIFOLD	<u>1</u>	@	<u>200.00</u>
Light V. MILEAGE	<u>130</u>	@	<u>4.00</u>
TOTAL <u>2555.00</u>			
TOTAL <u>2755.00</u>			

PLUG & FLOAT EQUIPMENT

<del>wooden plugs</del>	<u>1</u>	@	<u>92.00</u>	<u>92.00</u>
		@		
		@		
		@		
TOTAL <u>92.00</u>				

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES 7967.55 7669.55  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

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# ALLIED CEMENTING CO., LLC. 034452

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

SERVICE POINT:  
Russell, KS

DATE <u>11-21-11</u>	SEC. <u>16</u>	TWP. <u>15</u>	RANGE <u>25</u>	CALLED OUT	ON LOCATION	JOB START <u>5:00am</u>	JOB FINISH <u>6:00am</u>
LEASE <u>Schoeppe</u>	WELL # <u>1</u>	LOCATION <u>Colleyer, KS 20 S</u>			COUNTY <u>Trego</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)		<u>Final</u>					

CONTRACTOR American Eagle #2 OWNER \_\_\_\_\_

TYPE OF JOB Rotary Plug

HOLE SIZE 7 7/8 G.D. 4550'

CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH 1910'

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX 300psi MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. \_\_\_\_\_

PERFS. \_\_\_\_\_

DISPLACEMENT \_\_\_\_\_

CEMENT AMOUNT ORDERED 205 sk 60/40

406 Grel 14# F10

COMMON	<u>123</u>	@ <u>16.25</u>	<u>1998.75</u>
POZMIX	<u>82</u>	@ <u>8.50</u>	<u>697.00</u>
GEL	<u>7</u>	@ <u>21.25</u>	<u>148.75</u>
CHLORIDE		@	
ASC		@	
		@	
<u>Flt Seal 51#</u>		@ <u>2.70</u>	<u>137.70</u>
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>212</u>	@ <u>2.25</u>	<u>477.00</u>
MILEAGE	<u>11/54 mi</u>		<u>583.00</u>
TOTAL			<u>4042.20</u>

**EQUIPMENT**

PUMP TRUCK CEMENTER Heath

# 409 HELPER Todd

BULK TRUCK

# 481 DRIVER Robert

BULK TRUCK

# DRIVER \_\_\_\_\_

**REMARKS:**

1st Plug @ 1910' - 25 sk

2nd Plug @ 860' - 100 sk

3rd Plug @ 320' - 40 sk

4th Plug @ 40' - 10 sk & wiper plug

Ret Hole - 30 sk

Thanks!!

CHARGE TO: Tengasco Inc

STREET \_\_\_\_\_

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

**SERVICE**

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>1250</u>
EXTRA FOOTAGE	@		
MILEAGE	<u>25</u>	@ <u>7.00</u>	<u>175.00</u>
MANIFOLD	@		
	@		
<u>25</u>	@ <u>4.00</u>		<u>100.00</u>
TOTAL			<u>1525.00</u>

**PLUG & FLOAT EQUIPMENT**

	@		
<u>wood Plug</u>	@		
	@		
	@		
	@		
TOTAL			

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 Kirk F Denning

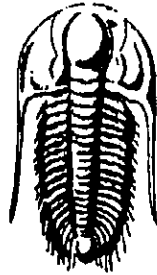
SIGNATURE Kirk F Denning

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

TOTAL CHARGES 5567.20

DISCOUNT 20.00 IF PAID IN 30 DAYS

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KCC WICHITA



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc**

PO Box 458  
Hays, KS 67601-9744

ATTN: Rod Trembley

**Schoepfel #1**

**16-15s-25w Trego,KS**

Start Date: 2011.11.18 @ 19:40:55

End Date: 2011.11.19 @ 03:12:49

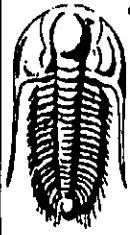
Job Ticket #: 44774                      DST #: 1

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KCC WICHITA

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2011.11.22 @ 09:45:53

Tengasco Inc  
16-15s-25w Trego,KS  
Schoepfel #1  
DST # 1  
Miss  
2011.11.18



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Tengasco Inc  
PO Box 458  
Hays, KS 67601-9744  
ATTN: Rod Trembley

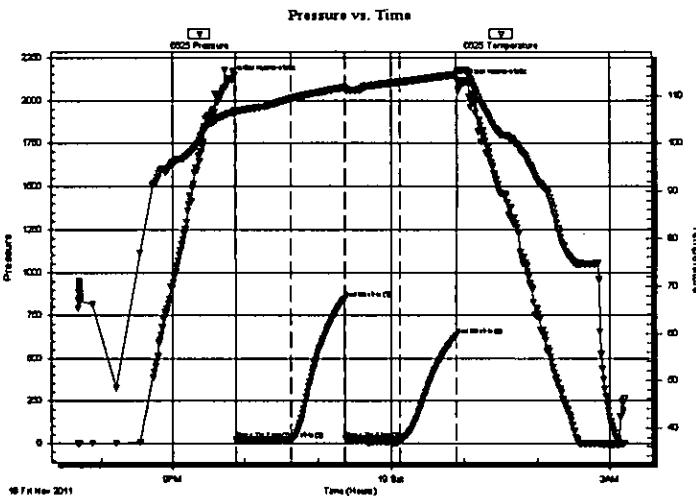
16-15s-25w Trego, KS  
**Schoepfel #1**  
Job Ticket: 44774      DST#: 1  
Test Start: 2011.11.18 @ 19:40:55

**GENERAL INFORMATION:**

Formation: **Miss**  
 Deviated: **No** Whipstock: **ft (KB)**      Test Type: **Conventional Bottom Hole (Initial)**  
 Time Tool Opened: **21:52:20**      Tester: **Ray Schwager**  
 Time Test Ended: **03:12:49**      Unit No: **42**  
 Interval: **4288.00 ft (KB) To 4385.00 ft (KB) (TVD)**      Reference Elevations: **2437.00 ft (KB)**  
 Total Depth: **4385.00 ft (KB) (TVD)**      **2430.00 ft (CF)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**      KB to GR/CF: **7.00 ft**

**Serial #: 6625**      Inside  
 Press@RunDepth: **26.64 psig @ 4290.00 ft (KB)**      Capacity: **8000.00 psig**  
 Start Date: **2011.11.18**      End Date: **2011.11.19**      Last Calib.: **2011.11.19**  
 Start Time: **19:40:55**      End Time: **03:12:49**      Time On Btm: **2011.11.18 @ 21:48:20**  
 Time Off Btm: **2011.11.19 @ 00:58:49**

**TEST COMMENT:** 45-IFP-w k bl 1/2" to 1" bl  
 45-ISIP-no bl  
 45-FFP-w k bl 1/4" to 1" bl  
 45FSIP-no bl



**PRESSURE SUMMARY**

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2123.73	106.32	Initial Hydro-static
4	22.91	106.75	Open To Flow (1)
50	25.70	109.41	Shut-In(1)
93	845.45	111.66	End Shut-In(1)
94	26.66	111.29	Open To Flow (2)
139	26.64	112.74	Shut-In(2)
185	633.21	114.33	End Shut-In(2)
191	2101.98	115.19	Final Hydro-static

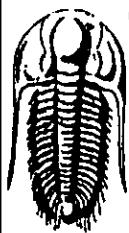
**Recovery**

Length (ft)	Description	Volume (bbl)
20.00	OCM 8% O <sub>2</sub> 2% O	0.28
0.00	w/show of co	0.00

**Gas Rates**

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





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco Inc  
PO Box 458  
Hays, KS 67601-9744  
ATTN: Rod Trembley

16-15s-25w Trego, KS  
Schoeppel #1  
Job Ticket: 44774      DST#: 1  
Test Start: 2011.11.18 @ 19:40:55

### Tool Information

Drill Pipe:	Length: 4266.00 ft	Diameter: 3.80 inches	Volume: 59.84 bbl	Tool Weight: 2200.00 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: 59.84 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4288.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	97.00 ft			
Tool Length:	125.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4261.00	
Shut In Tool	5.00			4266.00	
Hydraulic tool	5.00			4271.00	
Jars	5.00			4276.00	
Safety Joint	2.00			4278.00	
Packer	5.00			4283.00	28.00      Bottom Of Top Packer
Packer	5.00			4288.00	
Stubb	1.00			4289.00	
Perforations	1.00			4290.00	
Recorder	0.00	6625	Inside	4290.00	
Recorder	0.00	8700	Outside	4290.00	
Blank Spacing	64.00			4354.00	
Perforations	28.00			4382.00	
Bullnose	3.00			4385.00	97.00      Bottom Packers & Anchor

**Total Tool Length: 125.00**





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc  
PO Box 458  
Hays, KS 67601-9744  
ATTN: Rod Trembley

16-15s-25w Trego,KS  
Schoeppel #1  
Job Ticket: 44774      DST#: 1  
Test Start: 2011.11.18 @ 19:40:55

### 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: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.76 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4700.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	OCM 8%O92%O	0.281
0.00	w/show of co	0.000

Total Length: 20.00 ft      Total Volume: 0.281 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:

Serial #: 6625

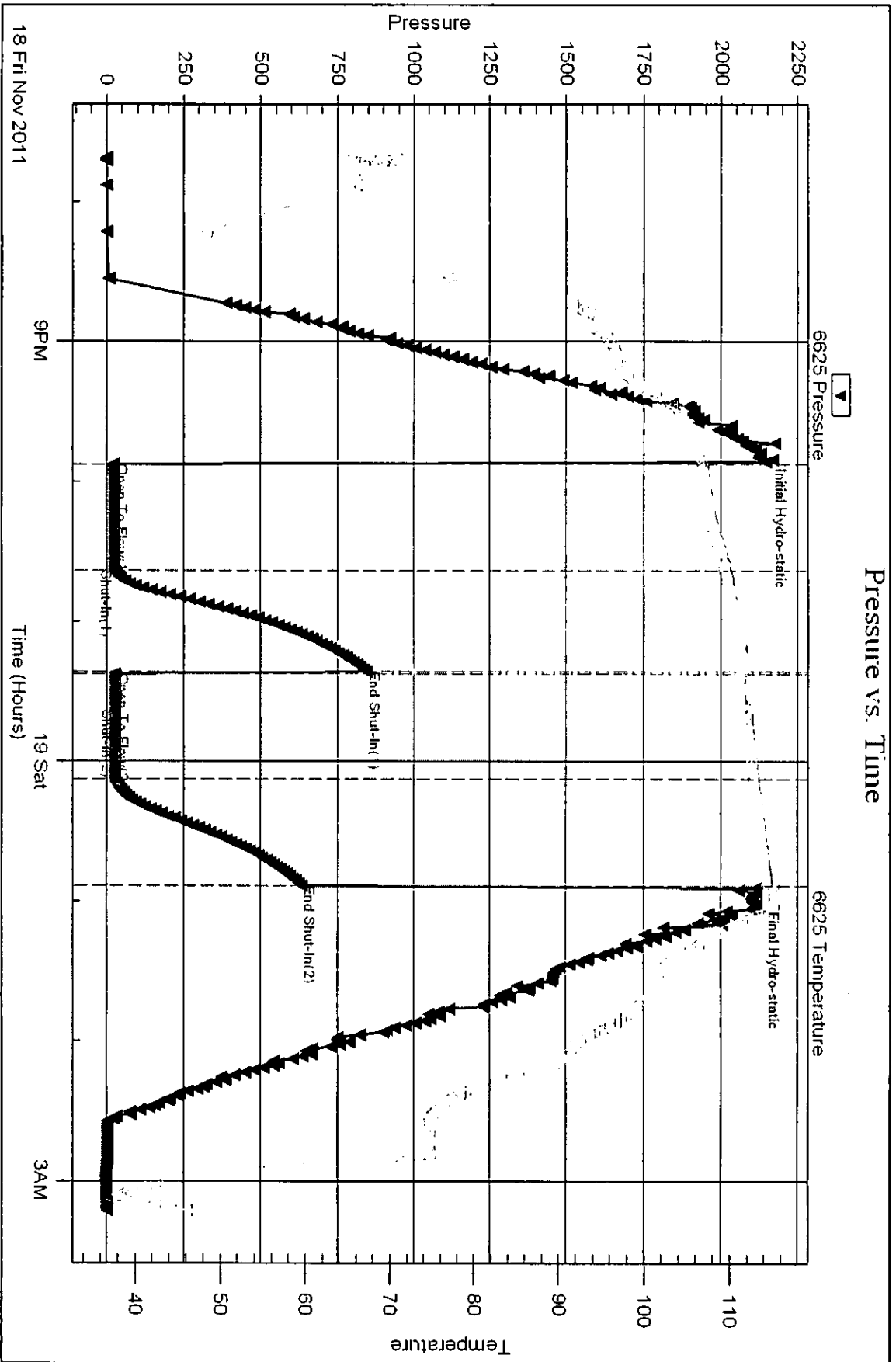
Inside

Tengasco Inc

Schoepfel #1

DST Test Number: 1

### Pressure vs. Time



Trillidite Testing, Inc

Ref. No: 44774

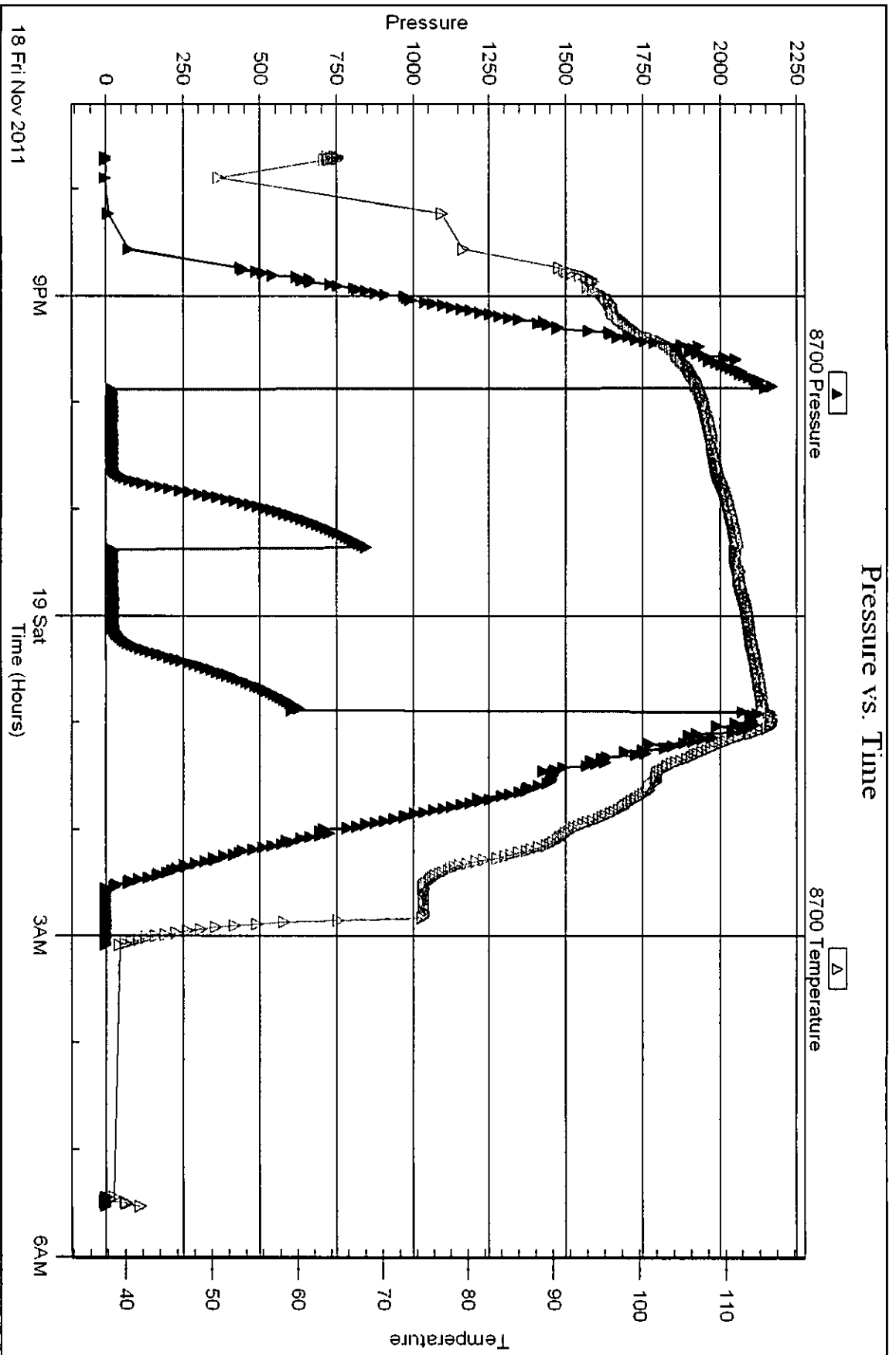
Printed: 2011.11.22 @ 09:45:55

Serial #: 8700

Outside Tengasco Inc

Scheeppel #1

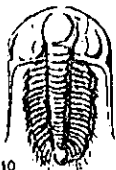
DST Test Number: 1



Trididie Testing, Inc

Ref. No: 44774

Printed: 2011.11.22 @ 09:45:56



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 44774

Well Name & No. Schoepel #1 Test No. 1 Date 11-18-11  
 Company Tengasco, Inc Elevation 2437 KB 2430 GL  
 Address 1327 Moose Rd. P.O. Box 458 Hays, Ks 67601-9744  
 Co. Rep / Geo. MIKE BAIR Rig Am Eagle rig 2  
 Location: Sec. 16 Twp. 15<sup>s</sup> Rge. 25<sup>w</sup> Co. Trego State Ks

Interval Tested 4288-4385 Zone Tested MISS  
 Anchor Length 97 Drill Pipe Run 4266 Mud Wt. 9.4  
 Top Packer Depth 4283 Drill Collars Run — Vis 54  
 Bottom Packer Depth 4288 Wt. Pipe Run — WL 6.8  
 Total Depth 4385 Chlorides 4700 ppm System LCM 1#  
 Blow Description IFP-WEAK Blow 1/2" To 1" Blow  
ISIP-NO Blow  
FFP-WEAK Blow 1/4" To 1" Blow  
FSTP-NO Blow

RECEIVED  
DEC 27 2011

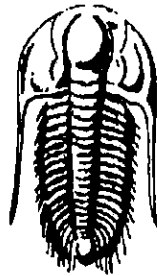
KCC WICHITA

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>OCM</u>	<u>8</u>		<u>92</u>	
Rec	Feet of <u>w/show of CO</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 20 BHT 113 Gravity — API RW — @ — F Chlorides — ppm  
 (A) Initial Hydrostatic 2123  Test 1225" T-On Location 1225  
 (B) First Initial Flow 22  Jars 250' T-Started 1940  
 (C) First Final Flow 25  Safety Joint 75' T-Open 2150  
 (D) Initial Shut-In 845  Circ Sub — T-Pulled 0050  
 (E) Second Initial Flow 26  Hourly Standby — T-Out 0312  
 (F) Second Final Flow 26  Mileage 140 RT Mile Comments —  
 (G) Final Shut-In 633  Sampler —  
 (H) Final Hydrostatic 2101  Straddle —  Ruined Shale Packer —  
 Shale Packer —  Ruined Packer —  
 Extra Packer —  Extra Copies —  
 Extra Recorder — Sub Total 0  
 Day Standby — Total 1746  
 Accessibility — MP/DST Disc'l —  
 Sub Total 1746

Initial Open 45  
 Initial Shut-In 45  
 Final Flow 45  
 Final Shut-In 45

Approved By \_\_\_\_\_ Our Representative Ray Schwager *THANK YOU*  
 Trilobite Testing Inc. shall not be liable for damaged or 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 concern 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.



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc**

PO Box 458  
Hays, KS 67601-9744

ATTN: Rod Trembley

**Schoepfel #1**

**16-15s-25w Trego,KS**

Start Date: 2011.11.19 @ 10:10:45

End Date: 2011.11.19 @ 16:54:39

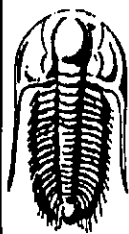
Job Ticket #: 44775                      DST #: 2

RECEIVED  
DEC 27 2011  
KCC WICHITA

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2011.11.22 @ 09:45:14

Tengasco Inc 16-15s-25w Trego,KS Schoepfel #1 DST # 2 Miss 2011.11.19



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Tengasco Inc  
PO Box 458  
Hays, KS 67601-9744  
ATTN: Rod Trembley

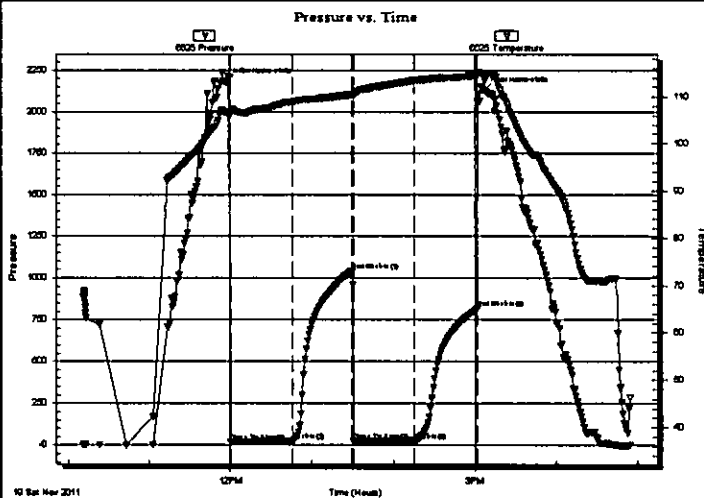
16-15s-25w Trego, KS  
Schoepel #1  
Job Ticket: 44775      DST#: 2  
Test Start: 2011.11.19 @ 10:10:45

### GENERAL INFORMATION:

Formation: Miss  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 12:00:10  
Time Test Ended: 16:54:39  
Interval: 4376.00 ft (KB) To 4392.00 ft (KB) (TVD)  
Total Depth: 4392.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Ray Schwager  
Unit No: 42  
Reference Elevations: 2437.00 ft (KB)  
2430.00 ft (CF)  
KB to GR/CF: 7.00 ft

Serial #: 6625      Inside  
Press@RunDepth: 27.96 psig @ 4377.00 ft (KB)  
Start Date: 2011.11.19      End Date: 2011.11.19  
Start Time: 10:10:45      End Time: 16:54:39  
Capacity: 8000.00 psig  
Last Calib.: 2011.11.19  
Time On Btm: 2011.11.19 @ 11:57:10  
Time Off Btm: 2011.11.19 @ 15:06:09

TEST COMMENT: 45-IFP-w k bl 1/4" to 1" bl  
45-ISIP-no bl  
45-FFP-w k bl 1/4" bl  
45-FSIP-no bl



### PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2176.44	106.66	Initial Hydro-static
3	20.60	106.17	Open To Flow (1)
49	23.82	109.01	Shut-In(1)
93	1041.06	110.48	End Shut-In(1)
94	24.97	110.29	Open To Flow (2)
138	27.96	113.45	Shut-In(2)
185	819.05	114.57	End Shut-In(2)
189	2125.91	114.91	Final Hydro-static

### Recovery

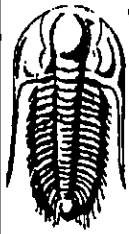
Length (ft)	Description	Volume (bbl)
25.00	HOCM 20% O80%M	0.35

\* 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  
PO Box 458  
Hays, KS 67601-9744  
ATTN: Rod Trembley

16-15s-25w Trego, KS  
Schoeppel #1  
Job Ticket: 44775      DST#: 2  
Test Start: 2011.11.19 @ 10:10:45

### Tool Information

Drill Pipe:	Length: 4362.00 ft	Diameter: 3.80 inches	Volume: 61.19 bbl	Tool Weight: 2200.00 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: 61.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4376.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4349.00	
Shut In Tool	5.00			4354.00	
Hydraulic tool	5.00			4359.00	
Jars	5.00			4364.00	
Safety Joint	2.00			4366.00	
Packer	5.00			4371.00	28.00 Bottom Of Top Packer
Packer	5.00			4376.00	
Stubb	1.00			4377.00	
Recorder	0.00	6625	Inside	4377.00	
Recorder	0.00	8700	Outside	4377.00	
Perforations	12.00			4389.00	
Bullnose	3.00			4392.00	16.00 Bottom Packers & Anchor

**Total Tool Length: 44.00**





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Tengasco Inc  
PO Box 458  
Hays, KS 67601-9744  
ATTN: Rod Trembley

16-15s-25w Trego, KS  
Schoepfel #1  
Job Ticket: 44775      **DST#: 2**  
Test Start: 2011.11.19 @ 10:10:45

### 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: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.76 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4700.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	HOCM 20% O80%M	0.351

Total Length: 25.00 ft      Total Volume: 0.351 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

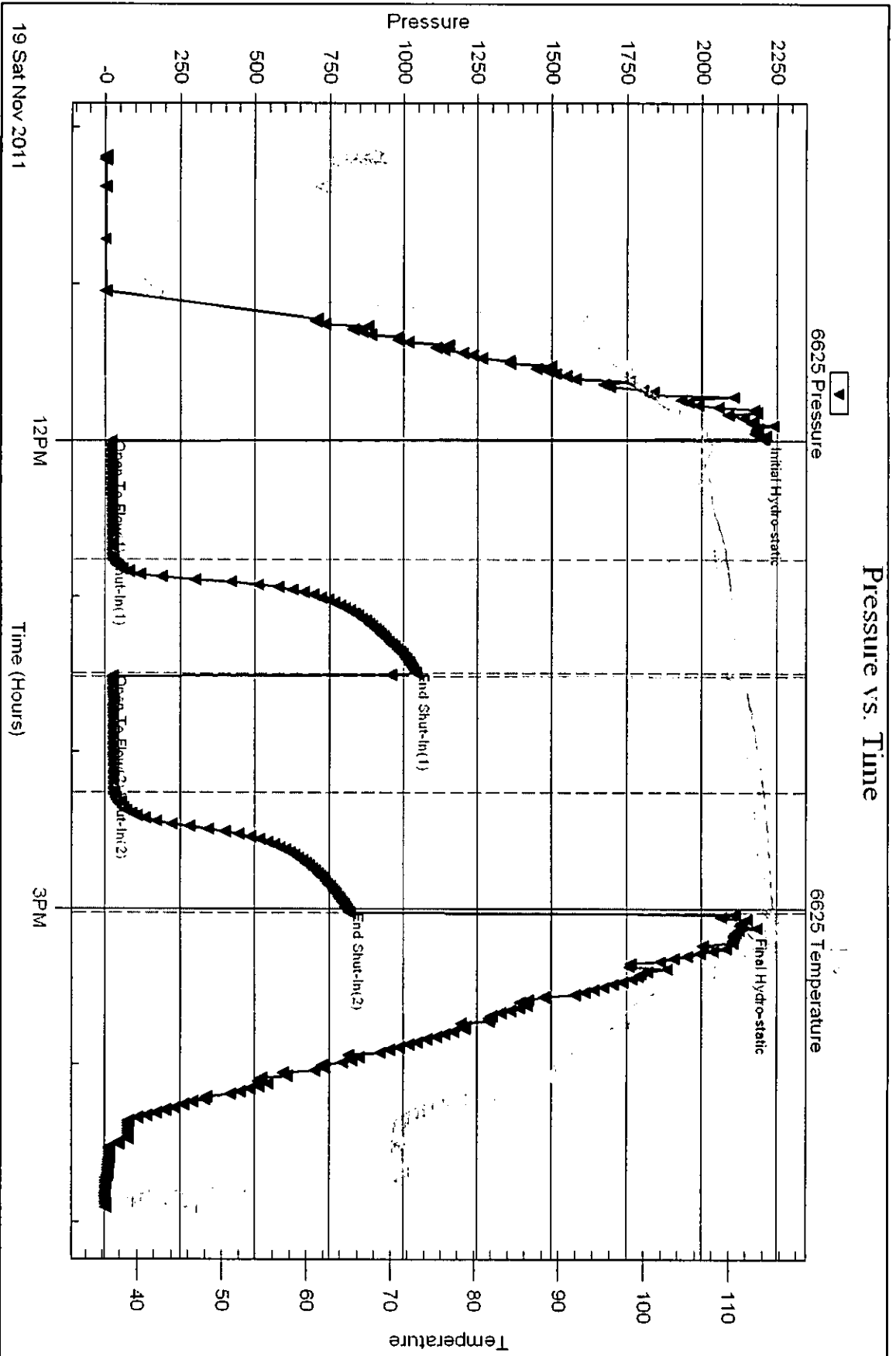
Serial #: 6625

Inside Tangasco Inc

Schoeppl #1

DST Test Number: 2

### Pressure vs. Time



Triadite Testing, Inc

Ref. No: 44775

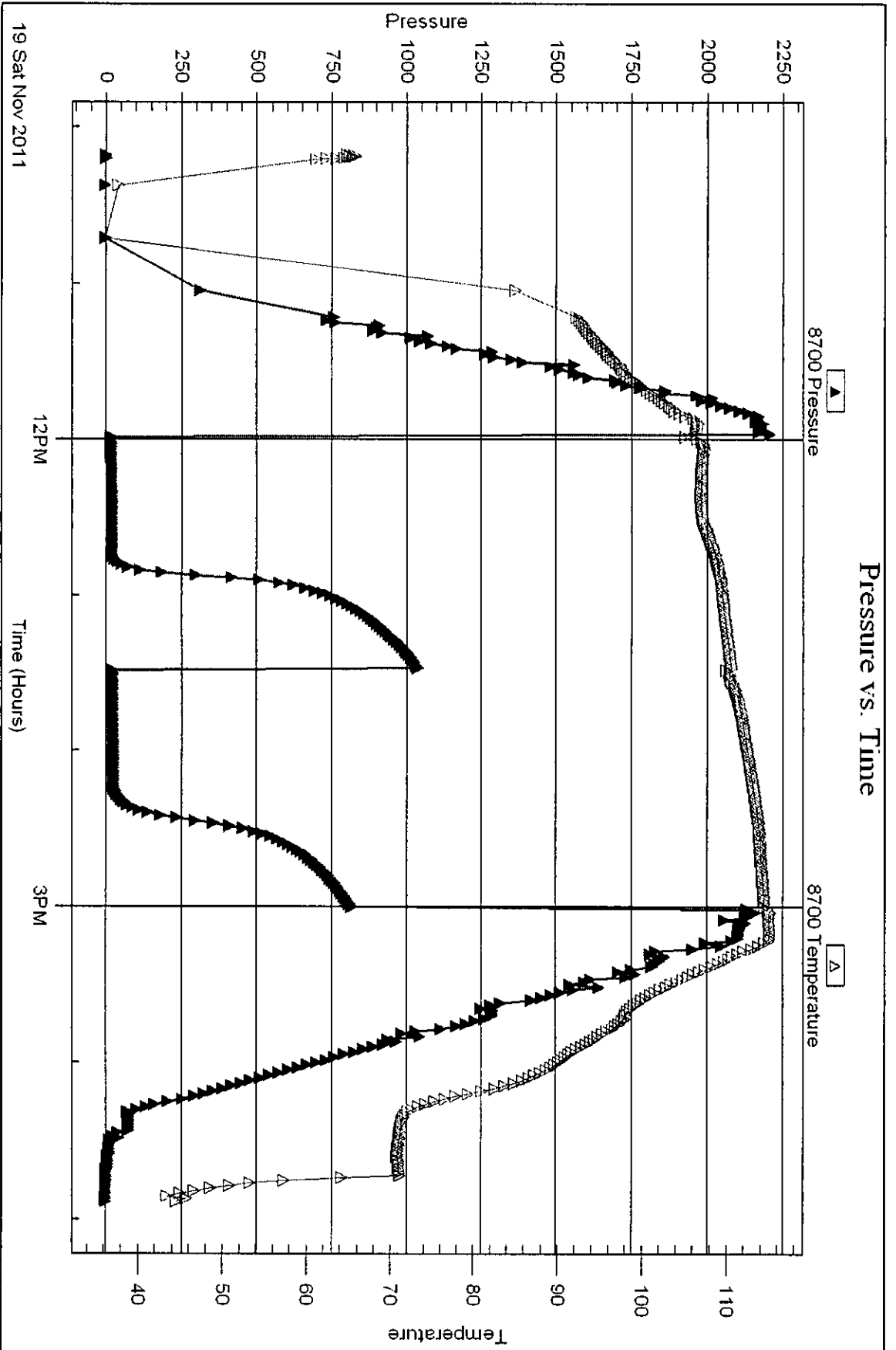
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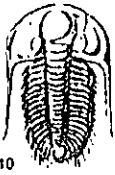
Serial #: 8700

Outside Tengasco Inc

Schaeppel #1

DST Test Number: 2





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 44775

Well Name & No. Schoepfel #1 Test No. 2 Date 11-19-11  
 Company Tengasco Inc Elevation 2437 KB 2430 GL  
 Address 1327 Moose Rd P.O. Box 458 Hays, Ks 67601-9244  
 Co. Rep / Geo. Mike BAIR Rig Am Eagle rig 2  
 Location: Sec. 16 Twp. 15<sup>s</sup> Rge. 25<sup>10</sup> Co. Trego State Ks

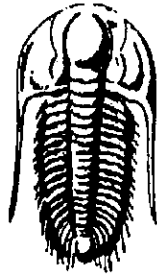
Interval Tested 4376-4392 Zone Tested Miss  
 Anchor Length 16 Drill Pipe Run 4362 Mud Wt. 9.4  
 Top Packer Depth 4371 Drill Collars Run - Vis 54  
 Bottom Packer Depth 4376 WI. Pipe Run - WL 6.8  
 Total Depth 4392 Chlorides 4700 ppm System LCM 1 #  
 Blow Description IFP - Weak Blow 1/4" To 1" Blow  
ISIP - NO Blow  
FFP - Weak Blow 1/4"  
FSTIP - NO Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>25</u>	<u>HO CM</u>	<u>20</u>		<u>80</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 25 BHT 114 Gravity - API RW - @ - °F Chlorides - ppm  
 (A) Initial Hydrostatic 2176  Test 122.5 T-On Location 0900  
 (B) First Initial Flow 20  Jars 250" T-Started 1010  
 (C) First Final Flow 23  Safety Joint 75" T-Open 1155  
 (D) Initial Shut-In 1041  Circ Sub T-Pulled 1455  
 (E) Second Initial Flow 24  Hourly Standby T-Out 1654  
 (F) Second Final Flow 27  Mileage K10K7 196" Comments RECEIVED  
 (G) Final Shut-In 819  Sampler DEC. 27 2011  
 (H) Final Hydrostatic 2125  Straddle KCC WICHITA  
 Shale Packer  
 Ruined Packer  
 Extra Copies

Initial Open 45  
 Initial Shut-In 45  
 Final Flow 45  
 Final Shut-In 45  
 Sub Total 1746  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Ray Schwager Thank you  
 Tritobite Testing Inc. shall not be liable for damaged or 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.



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc**  
PO Box 458  
Hays, KS 67601-9744

ATTN: Rod Trembley

### **Schoepfel #1**

### **16-15s-25w Trego,KS**

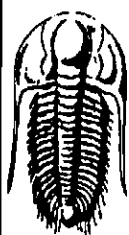
Start Date: 2011.11.20 @ 14:25:40  
End Date: 2011.11.20 @ 21:35:34  
Job Ticket #: 46001                      DST #: 3

RECEIVED  
DEC 27 2011  
KCC WICHITA

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2011.11.22 @ 09:44:30

Tengasco Inc 16-15s-25w Trego,KS Schoepfel #1 DST # 3 Miss 2011.11.20



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Tengasco Inc  
 PO Box 458  
 Hays, KS 67601-9744  
 ATTN: Rod Trembley

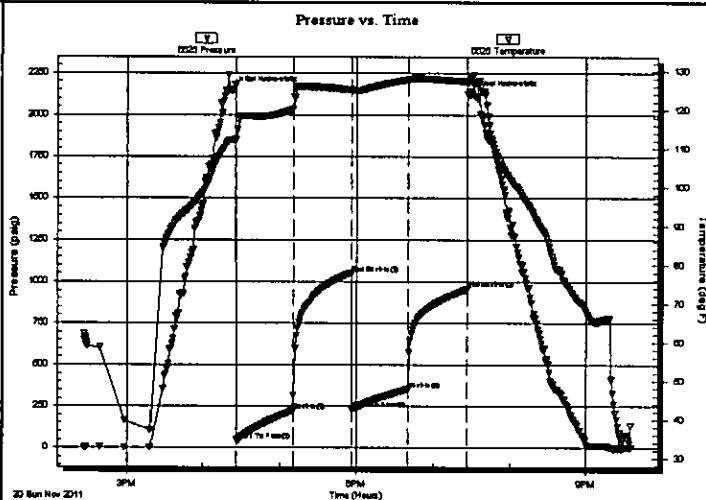
16-15s-25w Trego, KS  
**Schoepel #1**  
 Job Ticket: 46001      **DST#: 3**  
 Test Start: 2011.11.20 @ 14:25:40

## GENERAL INFORMATION:

Formation: **Miss**  
 Deviated: **No** Whipstock:                      ft (KB)  
 Time Tool Opened: 16:26:05  
 Time Test Ended: 21:35:34  
 Interval: **4387.00 ft (KB) To 4430.00 ft (KB) (TVD)**  
 Total Depth: 4556.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Straddle (Reset)  
 Tester: Ray Schwager  
 Unit No: 42  
 Reference Elevations: 2437.00 ft (KB)  
 2430.00 ft (CF)  
 KB to GR/CF: 7.00 ft

**Serial #: 6625**      Inside  
 Press@RunDepth: 352.42 psig @ 4396.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2011.11.20      End Date: 2011.11.20      Last Calib.: 2011.11.20  
 Start Time: 14:25:40      End Time: 21:35:34      Time On Btm: 2011.11.20 @ 16:22:35  
 Time Off Btm: 2011.11.20 @ 19:30:04

**TEST COMMENT:** 45-IFP-w k to strg in 10 min  
 45-ISIP-no bl bk  
 45-FFP-w k to strg in 39 min  
 45-FSIP-no bl



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2141.59	112.18	Initial Hydro-static
4	44.95	112.20	Open To Flow (1)
48	224.20	120.13	Shut-In(1)
94	1045.79	125.07	End Shut-In(1)
94	233.32	124.87	Open To Flow (2)
138	352.42	127.67	Shut-In(2)
184	957.31	127.17	End Shut-In(2)
188	2120.24	128.42	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
40.00	OCM 15%O85%M	0.56
60.00	SOOMV 1%O40%M59%W	0.84
60.00	MV 10%M90%W	0.84
500.00	Water	7.01

\* Recovery from multiple tests

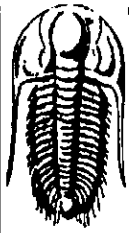
## Gas Rates

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









**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco Inc  
PO Box 458  
Hays, KS 67601-9744  
ATTN: Rod Trembley

16-15s-25w Trego,KS  
Schoepel #1  
Job Ticket: 46001      DST#: 3  
Test Start: 2011.11.20 @ 14:25:40

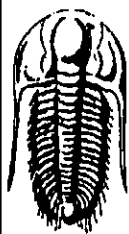
**Tool Information**

Drill Pipe:	Length: 4370.00 ft	Diameter: 3.80 inches	Volume: 61.30 bbl	Tool Weight: 2200.00 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: 75000.00 lb
			<u>Total Volume: 61.30 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4387.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	4430.00 ft			
Interval between Packers:	43.00 ft			
Tool Length:	201.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4360.00	
Shut In Tool	5.00			4365.00	
Hydraulic tool	5.00			4370.00	
Jars	5.00			4375.00	
Safety Joint	2.00			4377.00	
Packer	5.00			4382.00	28.00      Bottom Of Top Packer
Packer	5.00			4387.00	
Stubb	1.00			4388.00	
Perforations	8.00			4396.00	
Recorder	0.00	6625	Inside	4396.00	
Recorder	0.00	8700	Outside	4396.00	
Perforations	30.00			4426.00	
Blank Off Sub	1.00			4427.00	
Blank Spacing	3.00			4430.00	43.00      Tool Interval
Packer	5.00			4435.00	
Stubb	1.00			4436.00	
Perforations	1.00			4437.00	
Recorder	0.00	8374	Below	4437.00	
Blank Spacing	123.00			4560.00	130.00      Bottom Packers & Anchor

**Total Tool Length: 201.00**



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Tengasco Inc  
PO Box 458  
Hays, KS 67601-9744  
ATTN: Rod Trembley

16-15s-25w Trego,KS  
Schoepel #1  
Job Ticket: 46001      **DST#: 3**  
Test Start: 2011.11.20 @ 14:25:40

### 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:	26000 ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.76 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4700.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	OCM 15%O85%M	0.561
60.00	SOCMV 1%O40%M69%W	0.842
60.00	MV 10%M90%W	0.842
500.00	Water	7.014

Total Length: 660.00 ft      Total Volume: 9.259 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

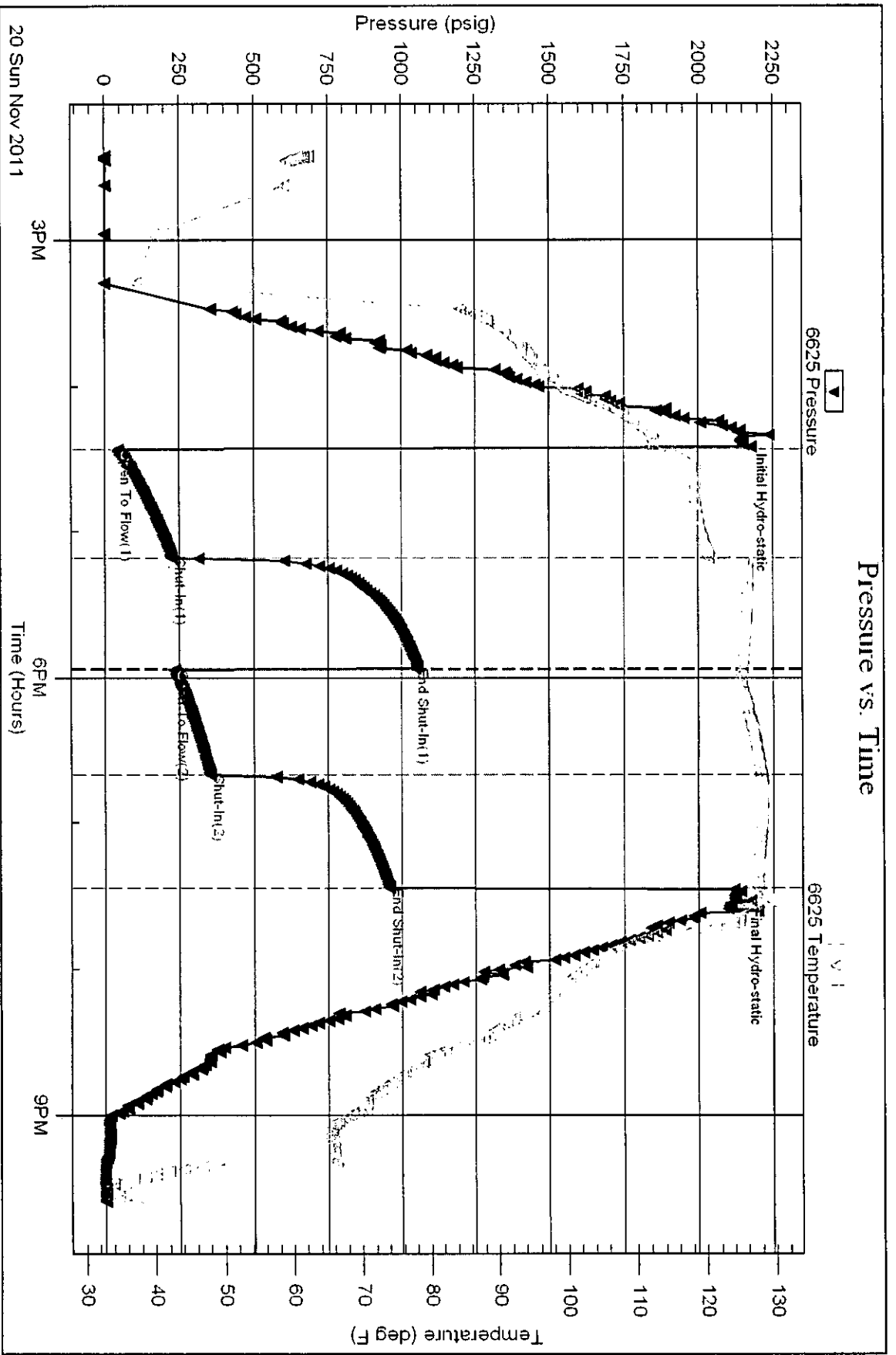
Recovery Comments: RW .36@50F

Serial #: 6625

Inside Tengasco Inc

Schoeppl #1

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 46001

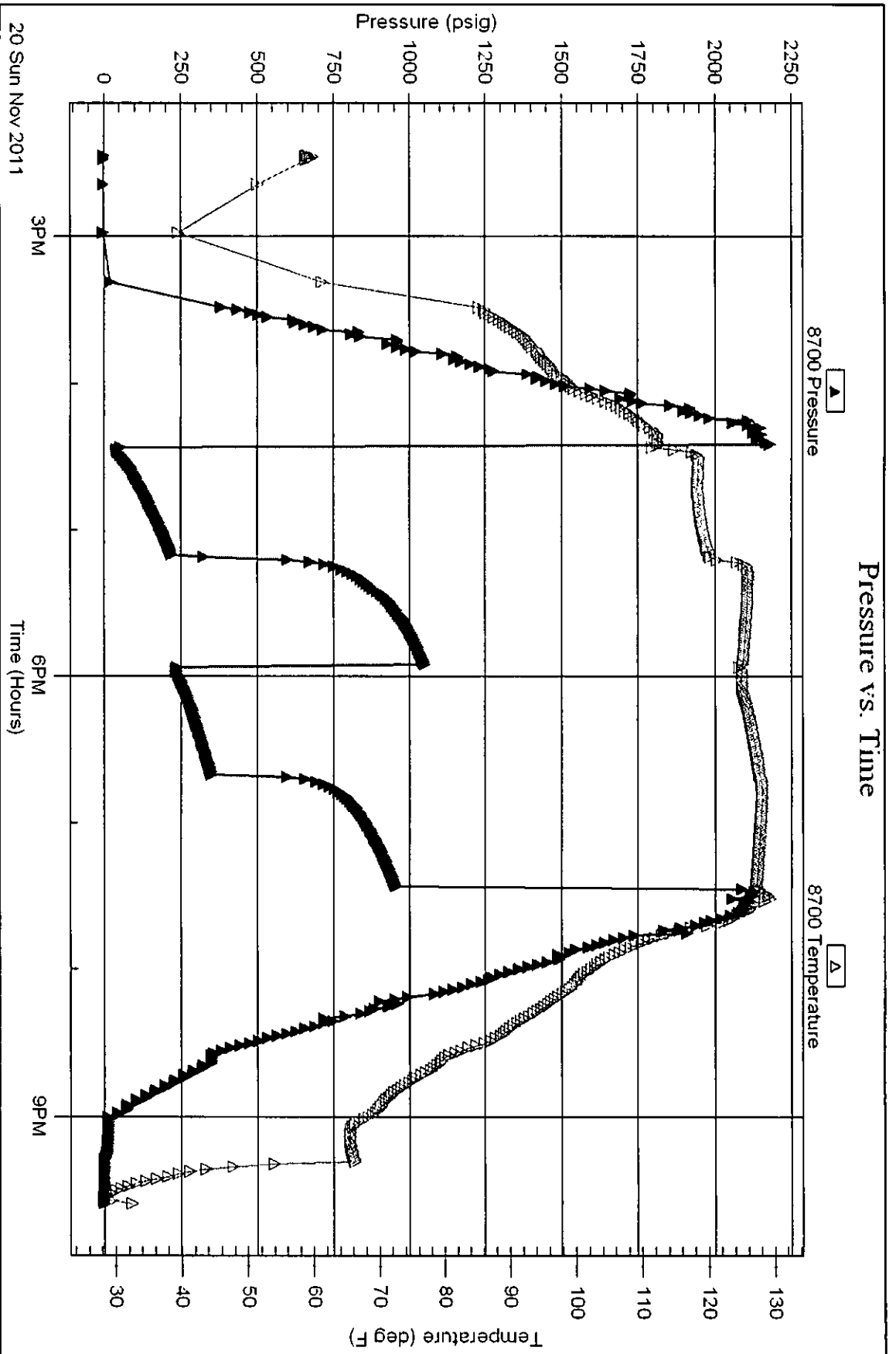
Printed: 2011.11.22 @ 09:44:33

Serial #: 8700

Outside Tangasco Inc

Schoeppl #1

DST Test Number: 3

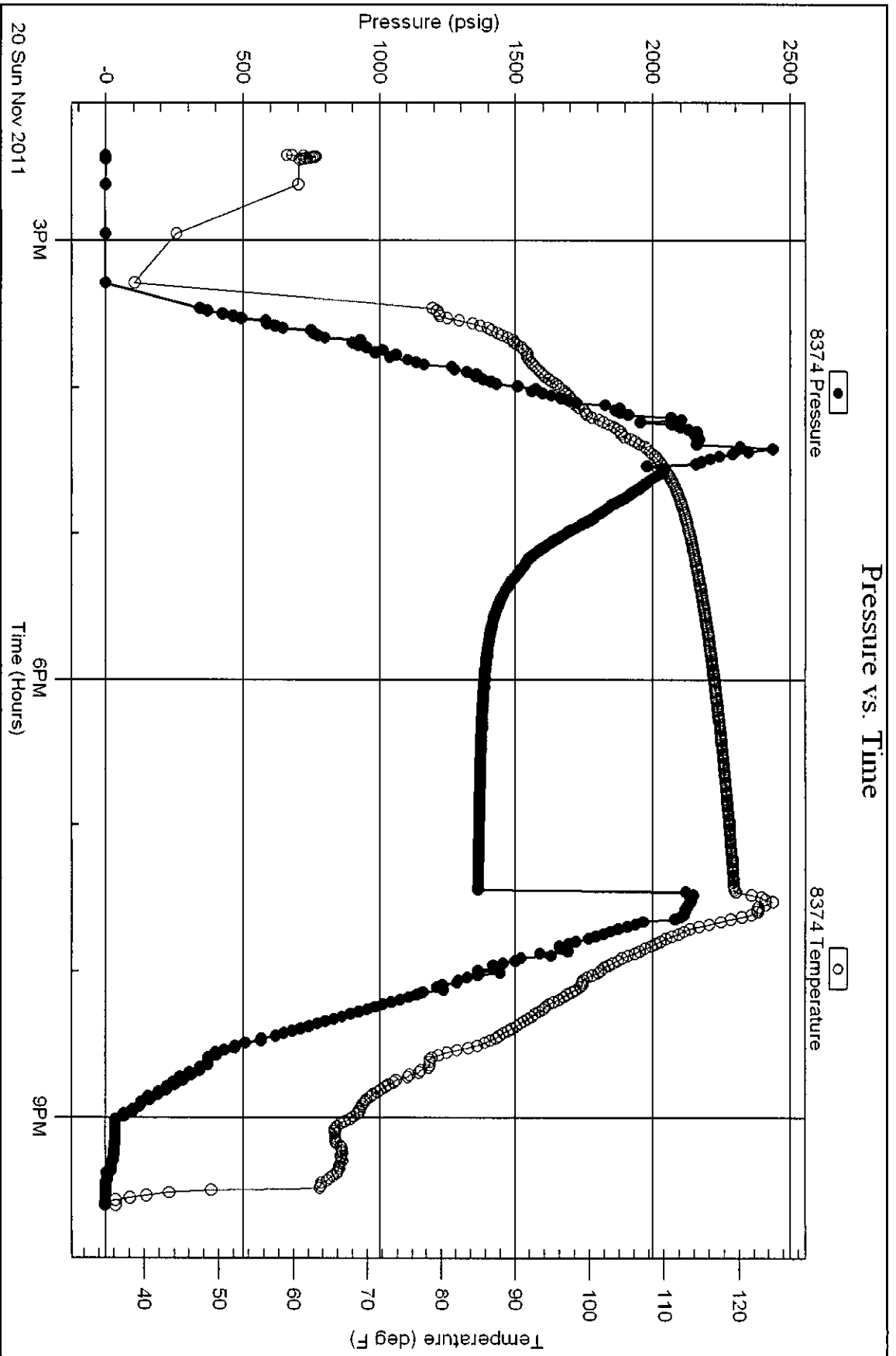


Serial #: 8374

Below (St. Rad) pisco Inc

Schoepel #1

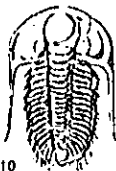
DST Test Number: 3



Triobite Testing, Inc

Ref. No: 46001

Printed: 2011.11.22 @ 09:44:34



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 46001

Well Name & No. Schoepfel #1 Test No. 3 Date 11-20-11  
 Company Tengasco Inc Elevation 2437 KB 2430 GI.  
 Address 1327 N 008 Rd P.O. Box 458 Hays, Ks 67601-9744  
 Co. Rep / Geo. Mike Bair Rig Am Eagle rig 2  
 Location: Soc. 16 Twp. 15<sup>s</sup> Rge. 25<sup>w</sup> Co. Trego State Ks

Interval Tested 4387-4430 Zone Tested M155  
 Anchor Length 43 Drill Pipe Run 4370 Mud Wt. 9.4  
 Top Packer Depth 4387-4382 Drill Collars Run - Vis 56  
 Bottom Packer Depth 4430 Wt. Pipe Run - WL 6.8  
 Total Depth 4556 Chlorides 4700 ppm System LCM 1#

Blow Description IIP - WEAK TO STRONG IN 10 MIN  
ISIP - NO BLOW  
FFP - WEAK TO STRONG IN 39 MIN  
FSIP - NO BLOW

Rec	Feet of	%gas	%oil	%water	%mud
<u>40</u>	<u>DCM</u>	<u>15</u>		<u>85</u>	
<u>60</u>	<u>SOC MW</u>	<u>1</u>	<u>59</u>	<u>40</u>	
<u>60</u>	<u>MW</u>		<u>90</u>	<u>10</u>	
<u>500</u>	<u>WATER</u>				

Rec Total 660 BHT 127 Gravity - API RW .36 @ 50° F Chlorides 26000 ppm  
 (A) Initial Hydrostatic 2141  Test 1225" T-On Location 1320  
 (B) First Initial Flow 44  Jars 250 T-Started 1425  
 (C) First Final Flow 224  Safety Joint 95" T-Open 1625  
 (D) Initial Shut-In 1045  Circ Sub \_\_\_\_\_ T-Pulled 1925  
 (E) Second Initial Flow 233  Hourly Standby \_\_\_\_\_ T-Out 2135  
 (F) Second Final Flow 352  Mileage HORT 191e Comments \_\_\_\_\_  
 (G) Final Shut-In 957  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2120  Straddle \_\_\_\_\_

Initial Open 45  Ruined Shale Packer \_\_\_\_\_  
 Initial Shut-In 45  Ruined Packer \_\_\_\_\_  
 Final Flow 45  Extra Copies \_\_\_\_\_  
 Final Shut-In 45  Extra Recorder \_\_\_\_\_  
 Sub Total 45  Day Standby \_\_\_\_\_  
 Total 1746  Accessibility \_\_\_\_\_  
 Sub Total 1746 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Ray Schwager THANK YOU  
 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.

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