

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: N/A

API No. 15 - 163-24004-00-00
Spot Description: _____
SE SE NW Sec. 21 Twp. 8 S. R. 19 East West
2,310 Feet from North / South Line of Section
2,310 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Rooks
Lease Name: Zerger Well #: 3
Field Name: Webster
Producing Formation: _____

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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.): _____

Elevation: Ground: 2043' Kelly Bushing: 2050'
Total Depth: 3604 Plug Back Total Depth: surface
Amount of Surface Pipe Set and Cemented at: 263' 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.

If Workover/Re-entry: Old Well Info as follows:
Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Conv. to GSW
 Plug Back: _____ Plug Back Total Depth
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____

2-25-12 3-3-12 3-5-12
Spud Date or Date Reached TD Completion Date or Recompletion Date

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 41000 ppm Fluid volume: 450 bbls

Dewatering method used: Filtered to SWD

Location of fluid disposal if hauled offsite:

Operator Name: Tengasco, Inc.

Lease Name: Mosher License #: 32278

Quarter NW Sec. 33 Twp. 8 S. R. 18 East West

County: Rooks Permit #: D-20,839

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: 3-22-12

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: DIG Date: 4/17/12

Operator Name: Tengasco, Inc. Lease Name: Zerger Well #: 3
 Sec. 21 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 type="checkbox"/> Yes <input checked="" 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, Density Neutron/PE, Micro	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td><input checked="" type="checkbox"/> Log</td> <td>Formation (Top), Depth and Datum</td> <td><input type="checkbox"/> Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>Anhydrite</td> <td>1479</td> <td>+571</td> </tr> <tr> <td>Topeka</td> <td>2995</td> <td>-945</td> </tr> <tr> <td>Heebner</td> <td>3202</td> <td>-1152</td> </tr> <tr> <td>Toronto</td> <td>3222</td> <td>-1172</td> </tr> <tr> <td>Lansing</td> <td>3239</td> <td>-1189</td> </tr> <tr> <td>BKC</td> <td>3459</td> <td>-1409</td> </tr> <tr> <td>Arbuckle</td> <td>3489</td> <td>-1439</td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample	Name	Top	Datum	Anhydrite	1479	+571	Topeka	2995	-945	Heebner	3202	-1152	Toronto	3222	-1172	Lansing	3239	-1189	BKC	3459	-1409	Arbuckle	3489	-1439
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BKC	3459	-1409																										
Arbuckle	3489	-1439																										

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
<div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); opacity: 0.5; font-weight: bold; font-size: 24px;">RECEIVED</div> <div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); opacity: 0.5; font-weight: bold; font-size: 24px;">MAR 23 2012</div>							

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				KCC WICHITA

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" 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 OIL & GAS SERVICES, LLC 056913

TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Russell

DATE <u>2.26.12</u>	SEC. <u>21</u>	TWP <u>8</u>	RANGE <u>19</u>	CALLED OUT	ON LOCATION	JOB START <u>2:30</u>	JOB FINISH <u>3:20</u>
LEASE <u>Zenger</u>	WELL# <u>3</u>	LOCATION <u>2 1/4 N, 1 W, 5 N, 6 E RD</u>		COUNTY <u>Rooks</u>	STATE <u>KS</u>		
OLD OR NEW (Circle one)							

CONTRACTOR American Eagle #2 OWNER _____

TYPE OF JOB Surface

HOLE SIZE 10 1/2 T.D. 262 CEMENT AMOUNT ORDERED 170 sk Class A

CASING SIZE 8 1/2 DEPTH 264.61 344 2 1/2 gal

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 15.5 bbl

EQUIPMENT

PUMP TRUCK CEMENTER Paul

409 HELPER Tony

BULK TRUCK

578 DRIVER Chris

BULK TRUCK

DRIVER

COMMON	<u>170</u>	@	<u>16.25</u>	<u>2762.50</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>21.25</u>	<u>63.75</u>
CHLORIDE	<u>6</u>	@	<u>58.20</u>	<u>349.20</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>179</u>	@	<u>2.25</u>	<u>402.75</u>
MILEAGE	<u>179 x 38 x .11</u>			<u>1142.02</u>
TOTAL				<u>4720.22</u>

REMARKS:

Established location
AmBul 170 sk class A 344 2 1/2 gal
Displaced ~~15.5~~ 15.5
Cement did ~~not~~ circulate to surface
Plus Down at 245

SERVICE

DEPTH OF JOB	<u>262</u>		
PUMP TRUCK CHARGE			<u>1125.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>MILV 38</u>	@	<u>700</u>
MANIFOLD	<u>MILV 38</u>	@	<u>400</u>
		@	<u>232</u>
TOTAL <u>1763.00</u>			

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

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		
TOTAL <u>0</u>			

To: Allied Oil & Gas Services, 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.

SALES TAX (If Any) 200.05
TOTAL CHARGES 6,483.22
DISCOUNT 20/50 1830.65 IF PAID IN 30 DAYS

PRINTED NAME _____

SIGNATURE Keith Karli

ALLIED OIL & GAS SERVICES, LLC 056967

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

SERVICE POINT:
RUSSELL

DATE <u>3-5-12</u>	SEC. <u>21</u>	TWP. <u>S 8</u>	RANGE <u>19W</u>	CALLED OUT	ON LOCATION	JOB START <u>6AM</u>	JOB FINISH <u>6:30</u>
LEASE <u>ZERGER</u>	WELL # <u>3</u>	LOCATION <u>ZURICH - 7N-1W-1/2-</u>			COUNTY <u>ROOKS</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)		<u>EAST INTO</u>					

CONTRACTOR AMERICAN EAGLE #2

TYPE OF JOB RTA

HOLE SIZE _____ T.D. _____

CASING SIZE 8 7/8 DEPTH 255

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 DEPTH 3461

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

OWNER _____

CEMENT AMOUNT ORDERED 230 SK 68 49 62
1/4" # FLO-SEAL

COMMON 138 @ 16.25 2242.5

POZMIX 92 @ 8.50 782.00

GEL 8 @ 21.25 170.00

CHLORIDE @ _____

ASC @ _____

FLO-SEAL 50 @ 2.70 135.00

HANDLING 240 @ 2.25 540.00

MILEAGE 58 x 240 x 0.11 1531.2

TOTAL 5400.70

REMARKS:

P1-3461' = 25 SK

P2-1496' = 25 SK

P3-875' = 100 SK

P4-315' = 40 SK

P5-40' = 10 SK

RAT = 30 SK

TOTAL = 230 SK

SERVICE

DEPTH OF JOB 3461

PUMP TRUCK CHARGE 1250.00

EXTRA FOOTAGE @ _____

MILEAGE H 58 @ 7.00 406.00

MANIFOLD @ _____

Ldv m 58 @ 4.00 232.00

TOTAL 1888.00

CHARGE TO: TEAGASCO

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

wooden plug @ 64.00

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL 64.00

To: Allied Oil & Gas Services, 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 Pete Wiggan

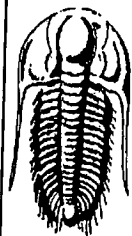
SIGNATURE Pete Wiggan

SALES TAX (If Any) 463.22

TOTAL CHARGES 7352.70

DISCOUNT 20/50 2121.30 IF PAID IN 30 DAYS

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TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Tengasco Inc.

21-8s-19w Rooks,KS

PO Box 458
Hays KS 67601

Zerger #3

Job Ticket: 46802

DST#: 1

ATTN: Mike Bair

Test Start: 2012.03.01 @ 08:43:00

GENERAL INFORMATION:

Formation: Tor,Lsg "A,B,C"

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 10:21:40

Test Type: Conventional Bottom Hole (Initial)

Tester: Andy Carreira

Unit No: 39

Interval: 3199.00 ft (KB) To 3283.00 ft (KB) (TVD)

Total Depth: 3283.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 2050.00 ft (KB)

2043.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8352 Outside

Press@RunDepth: psig @ 3206.00 ft (KB)

Start Date: 2012.03.01

End Date:

2012.03.01

Capacity: 8000.00 psig

Last Calib.: 2012.03.01

Start Time: 08:43:05

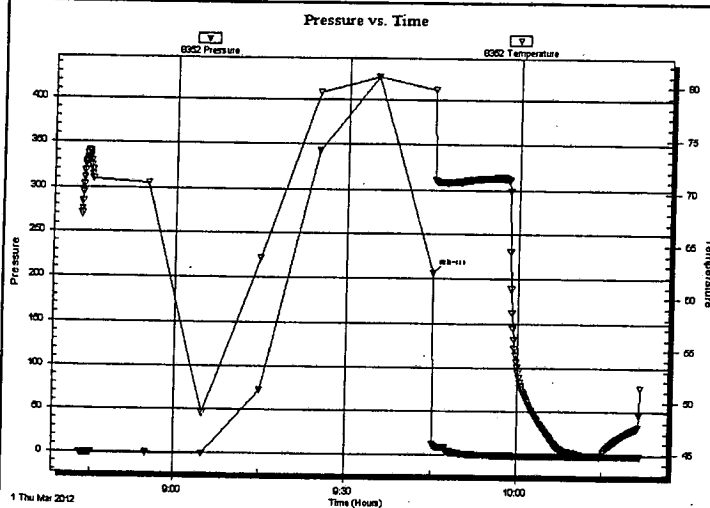
End Time:

10:21:40

Time On Btm:

Time Off Btm:

TEST COMMENT: Misrun- Hit a Bridge, Could not get to bottom.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	206.27	79.76	mis-run

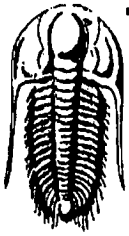
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Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Tengasco inc.
1327 Noose rd
PO Box 458
Hays Ks. 67601
ATTN: Mike Bair

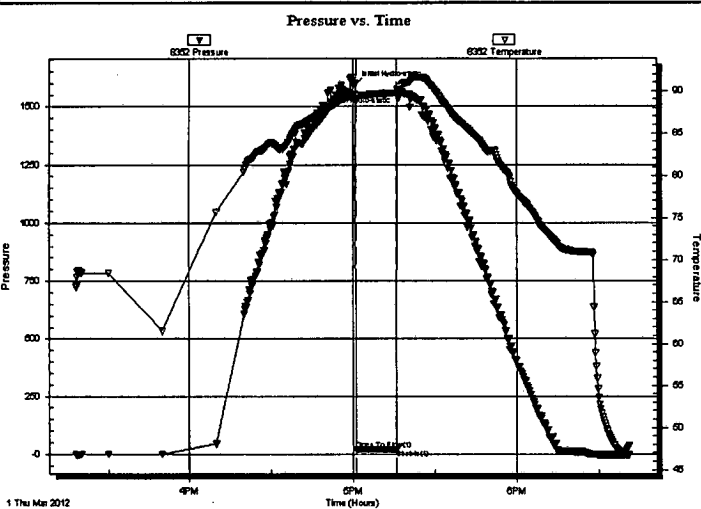
21- 8s- 19w Rooks
Zerger #3
Job Ticket: 46803 **DST#: 2**
Test Start: 2012.03.01 @ 15:18:05

GENERAL INFORMATION:

Formation: **Tor-LSG"A,B&C"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:01:10
 Time Test Ended: 18:41:20
 Interval: **3199.00 ft (KB) To 3283.00 ft (KB) (TVD)**
 Total Depth: **3283.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: KB to GR/CF: **7.00 ft**
 Test Type: **Conventional Bottom Hole (Reset)**
 Tester: **Andy Carreira**
 Unit No: **39**
 Reference Elevations: **2050.00 ft (KB)**
2043.00 ft (CF)

Serial #: 8352 **Outside**
 Press@RunDepth: psig @ **3206.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2012.03.01** End Date: **2012.03.01** Last Calib.: **2012.03.01**
 Start Time: **15:18:05** End Time: **18:41:20** Time On Btm: **2012.03.01 @ 17:00:50**
 Time Off Btm: **2012.03.01 @ 17:16:10**

TEST COMMENT: IF:(15min) Weak surface blow , died in 10 min.
Pulled Tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1591.57	89.61	Initial Hydro-static
1	18.77	88.65	Open To Flow (1)
15	20.97	89.77	Shut-In(1)
16	1574.24	90.11	Final Hydro-static

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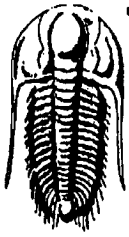
Recovery

Length (ft)	Description	Volume (bbl)
1.00	Mud	0.01

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Tengasco inc.
1327 Noose rd
PO Box 458
Hays Ks. 67601
ATTN: Mike Bair

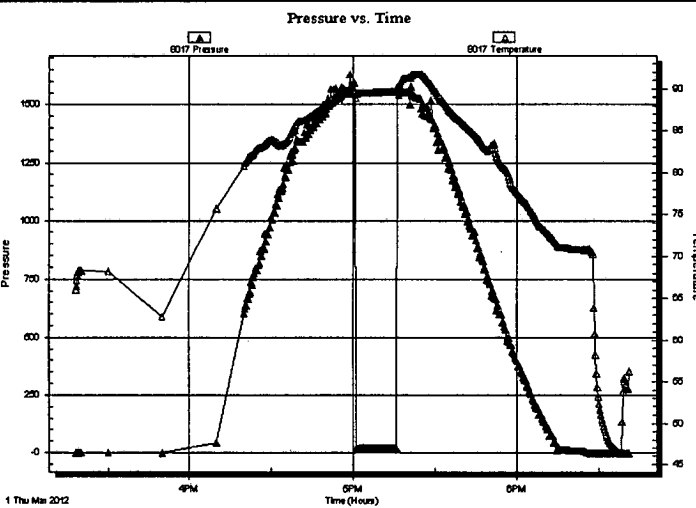
21- 8s- 19w Rooks
Zerger #3
Job Ticket: 46803 **DST#: 2**
Test Start: 2012.03.01 @ 15:18:05

GENERAL INFORMATION:

Formation: **Tor-LSG"A,B&C"**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 17:01:10
Time Test Ended: 18:41:20
Interval: **3199.00 ft (KB) To 3283.00 ft (KB) (TVD)**
Total Depth: **3283.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition:
Test Type: **Conventional Bottom Hole (Reset)**
Tester: **Andy Carreira**
Unit No: **39**
Reference Elevations: **2050.00 ft (KB)**
2043.00 ft (CF)
KB to GR/CF: **7.00 ft**

Serial #: 8017 **Inside**
Press@RunDepth: psig @ **3206.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2012.03.01** End Date: **2012.03.01** Last Calib.: **2012.03.01**
Start Time: **15:18:05** End Time: **18:41:20** Time On Btm:
Time Off Btm:

TEST COMMENT: IF:(15min) Weak surface blow , died in 10 min.
Pulled Tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
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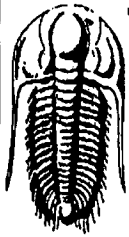
Recovery

Length (ft)	Description	Volume (bbl)
1.00	Mud	0.01

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco inc.
1327 Noose rd
PO Box 458
Hays Ks. 67601
ATTN: Mike Bair

21- 8s- 19w Rooks
Zerger #3
Job Ticket: 46803 **DST#: 2**
Test Start: 2012.03.01 @ 15:18:05

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: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3700.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	Mud	0.014

Total Length: 1.00 ft Total Volume: 0.014 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: Ran a 15 min. open & pulled tool

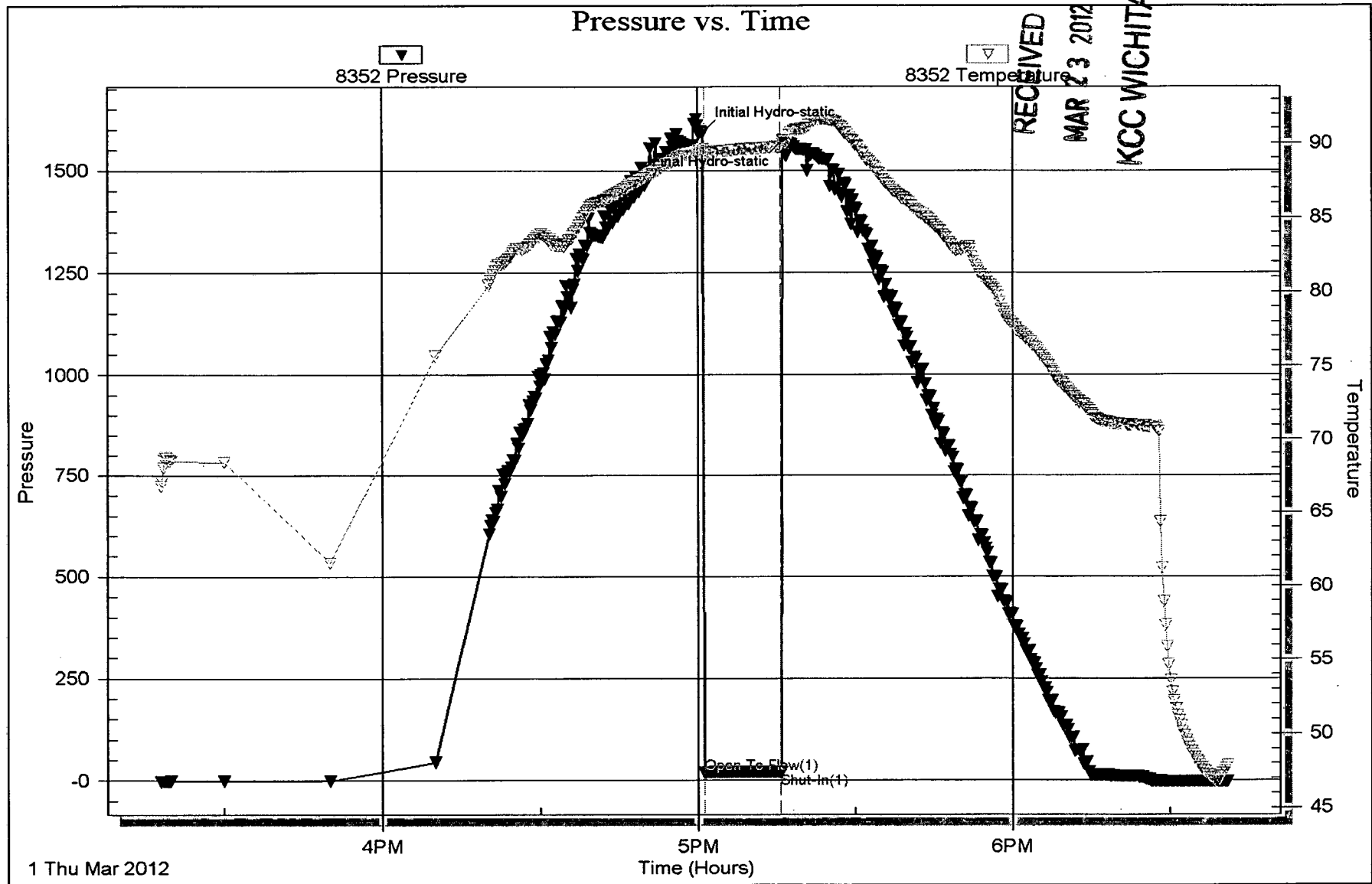
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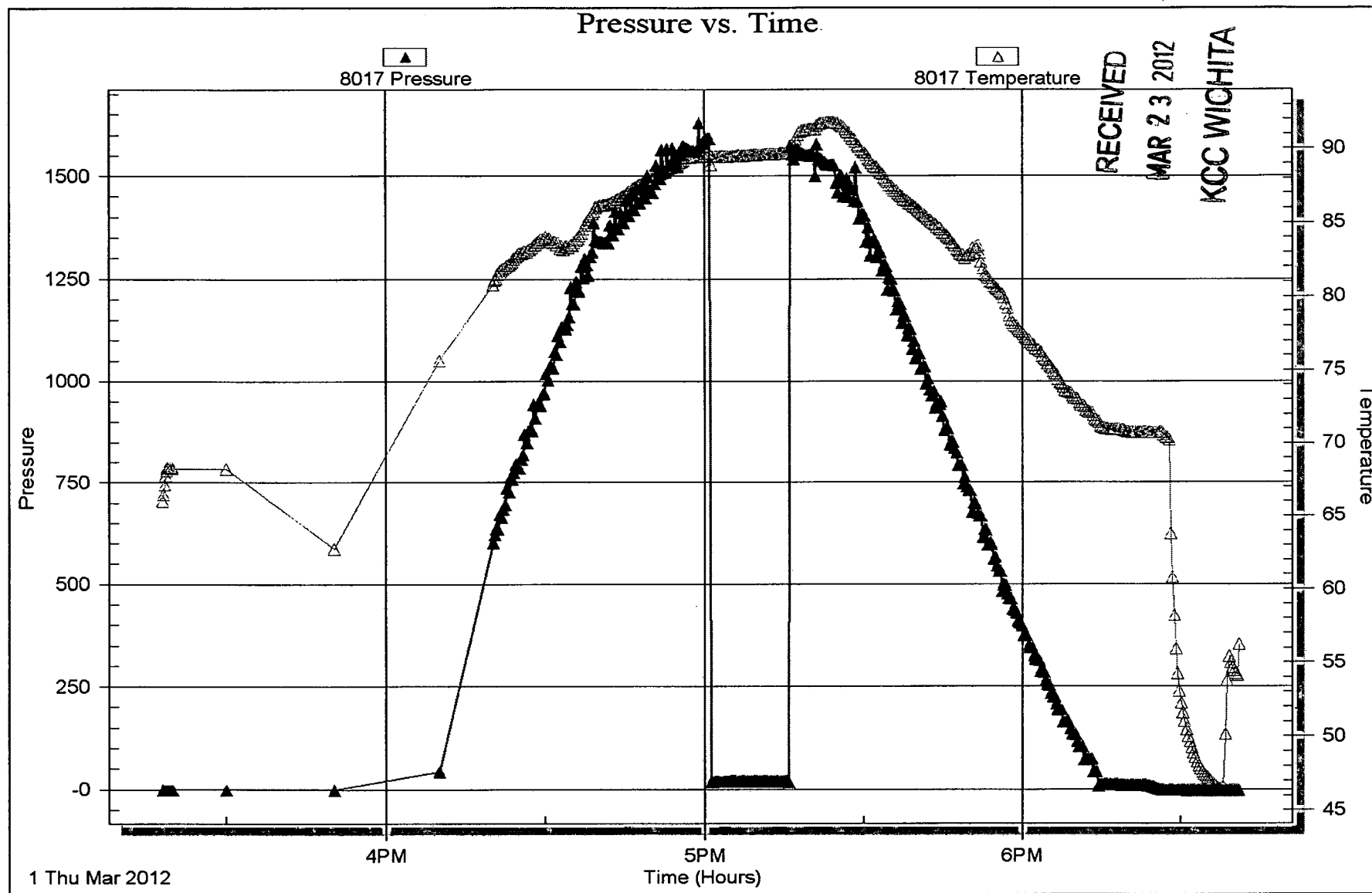
Serial #: 8352

Outside Tengasco inc.

Zerger #3

DST Test Number: 2







TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Tengasco inc.
 1327 Noose rd
 PO Box 458
 Hays Ks. 67601
 ATTN: Mike Bair

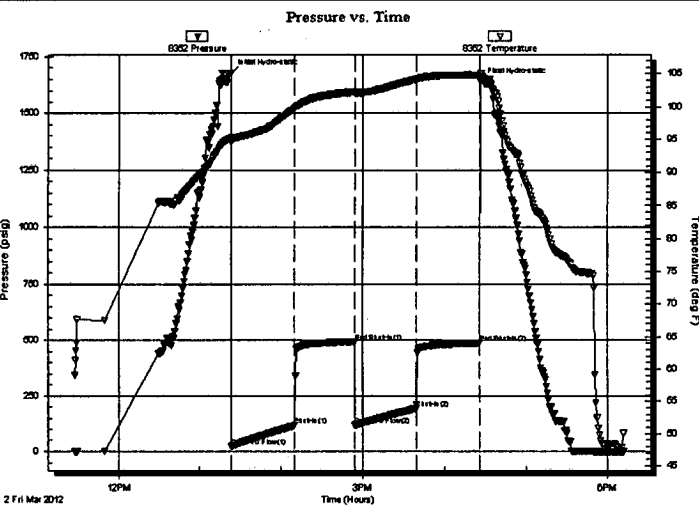
21- 8s- 19w Rooks
Zerger #3
 Job Ticket: 46804 **DST#: 3**
 Test Start: 2012.03.02 @ 11:27:05

GENERAL INFORMATION:

Formation: **LKC"H,I,J"**
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole (Reset)**
 Time Tool Opened: **13:23:30** Tester: **Andy Carreira**
 Time Test Ended: **18:11:39** Unit No: **39**
 Interval: **3348.00 ft (KB) To 3418.00 ft (KB) (TVD)** Reference Elevations: **2050.00 ft (KB)**
 Total Depth: **3418.00 ft (KB) (TVD)** **2043.00 ft (CF)**
 Hole Diameter: **7.88 inches** Hole Condition: **KB to GR/CF: 7.00 ft**

Serial #: 8352 Outside
 Press@RunDepth: **192.55 psig @ 3355.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2012.03.02** End Date: **2012.03.02** Last Calib.: **2012.03.02**
 Start Time: **11:27:05** End Time: **18:11:40** Time On Btm: **2012.03.02 @ 13:23:20**
 Time Off Btm: **2012.03.02 @ 16:26:20**

TEST COMMENT: IF:(45min) Fair Blow , 5" in 12 min. Built to 8 inches
 IS:(45min) No Return
 FF:(45min) Fair Blow , 5" in 20 min. Built to 7 inches
 FS:(45min) No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1676.85	95.23	Initial Hydro-static
1	21.20	94.55	Open To Flow (1)
47	116.28	99.75	Shut-In(1)
91	493.33	102.20	End Shut-In(1)
92	118.69	102.05	Open To Flow (2)
136	192.55	104.11	Shut-In(2)
183	486.70	104.79	End Shut-In(2)
183	1637.88	105.08	Final Hydro-static

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Recovery

Length (ft)	Description	Volume (bbl)
380.00	MV	5.33

* Recovery from multiple tests

Gas Rates

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

ACG WICHITA

MAR 23 2012



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Tengasco inc.
1327 Noose rd
PO Box 458
Hays Ks. 67601
ATTN: Mike Bair

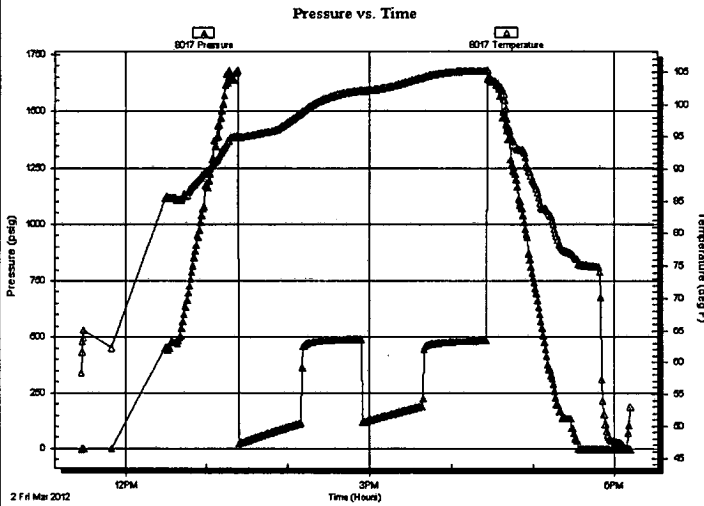
21- 8s- 19w Rooks
Zerger #3
Job Ticket: 46804 **DST#: 3**
Test Start: 2012.03.02 @ 11:27:05

GENERAL INFORMATION:

Formation: **LKC"H,I,J"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:23:30
Time Test Ended: 18:11:39
Interval: **3348.00 ft (KB) To 3418.00 ft (KB) (TVD)**
Total Depth: **3418.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: KB to GR/CF: **7.00 ft**
Test Type: **Conventional Bottom Hole (Reset)**
Tester: **Andy Carreira**
Unit No: **39**
Reference Elevations: **2050.00 ft (KB)**
2043.00 ft (CF)

Serial #: 8017 Inside
Press@RunDepth: psig @ **3355.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2012.03.02** End Date: **2012.03.02** Last Calib.: **2012.03.02**
Start Time: **11:27:05** End Time: **18:11:39** Time On Btm:
Time Off Btm:

TEST COMMENT: IF:(45min) Fair Blow , 5" in 12 min. Built to 8 inches
IS:(45min) No Return
FF:(45min) Fair Blow , 5" in 20 min. Built to 7 inches
FS:(45min) No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
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Recovery

Length (ft)	Description	Volume (bbl)
380.00	MW	5.33

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco inc.

21- 8s- 19w Rooks

1327 Noose rd
PO Box 458
Hays Ks. 67601
ATTN: Mike Bair

Zerger #3

Job Ticket: 46804

DST#: 3

Test Start: 2012.03.02 @ 11:27:05

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 56.00 sec/qt

Water Loss: 6.79 in³

Resistivity: ohm.m

Salinity: 3700.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

deg API

Water Salinity: 80000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
380.00	MW	5.330

Total Length: 380.00 ft Total Volume: 5.330 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

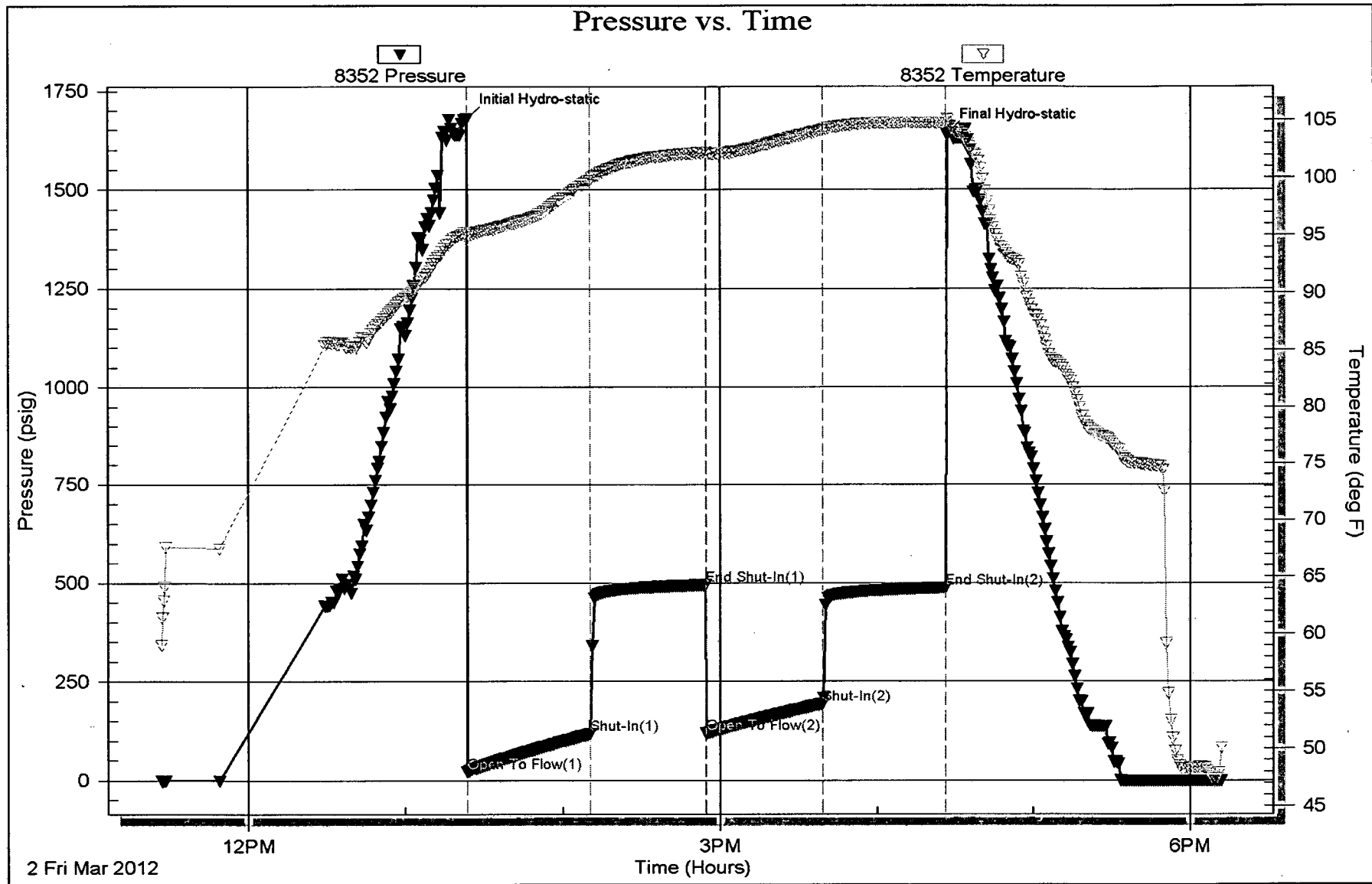
Laboratory Location:

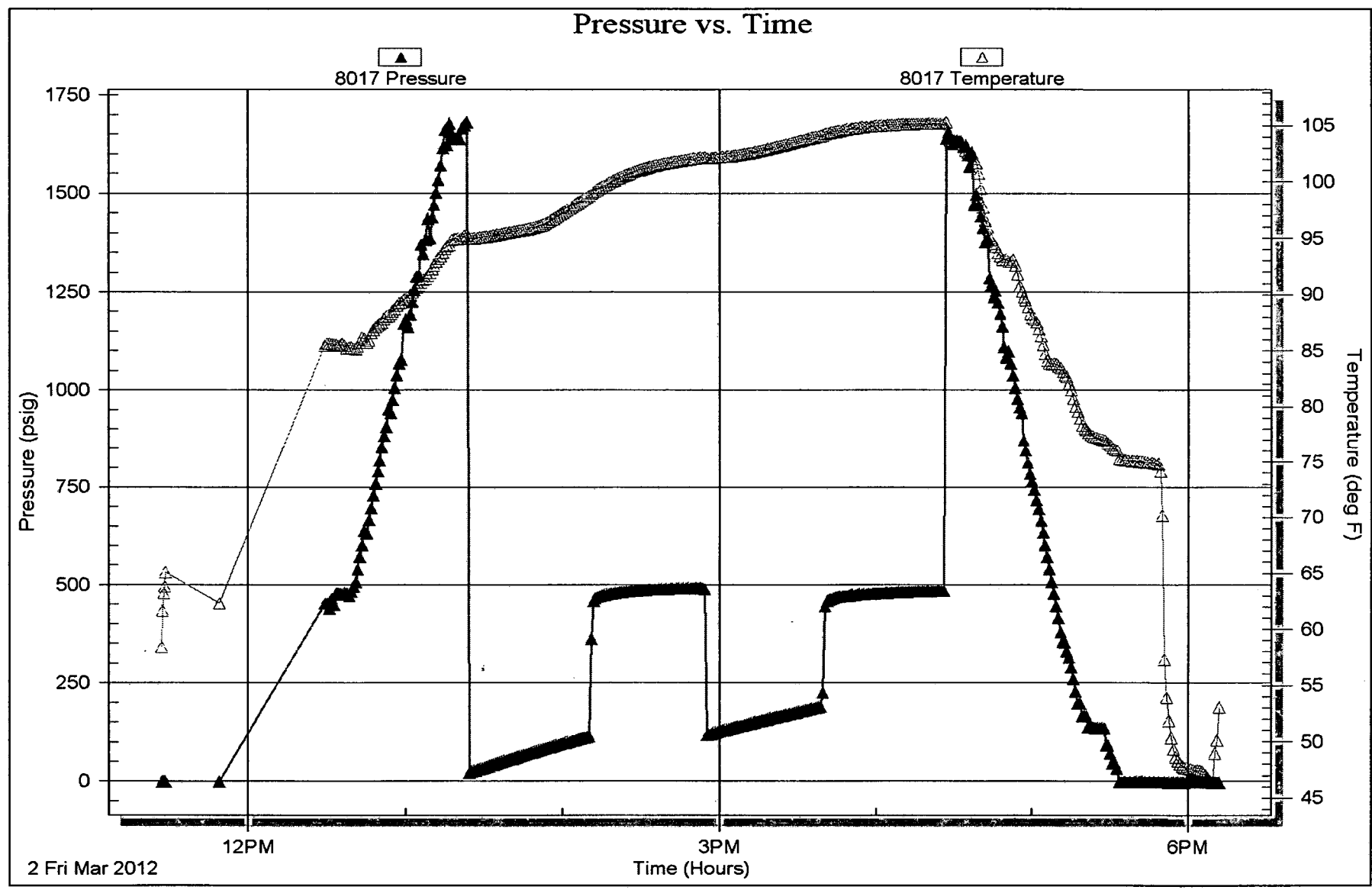
Recovery Comments: Resistivity- .13 @ 50 deg = 80000

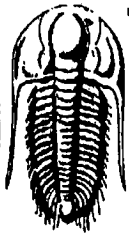
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KCC WICHITA







TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Tengasco inc.
1327 Noose rd
PO Box 458
Hays Ks. 67601
ATTN: Mike Bair

21- 8s- 19w Rooks
Zerger #3
Job Ticket: 46805 **DST#: 4**
Test Start: 2012.03.03 @ 06:38:05

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:32:30
Time Test Ended: 12:14:59

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KCC WICHITA

Test Type: Conventional Bottom Hole (Reset)
Tester: Andy Carreira
Unit No: 39

Interval: **3456.00 ft (KB) To 3501.00 ft (KB) (TVD)**
Total Depth: 3501.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2050.00 ft (KB)
2043.00 ft (CF)
KB to GR/CF: 7.00 ft

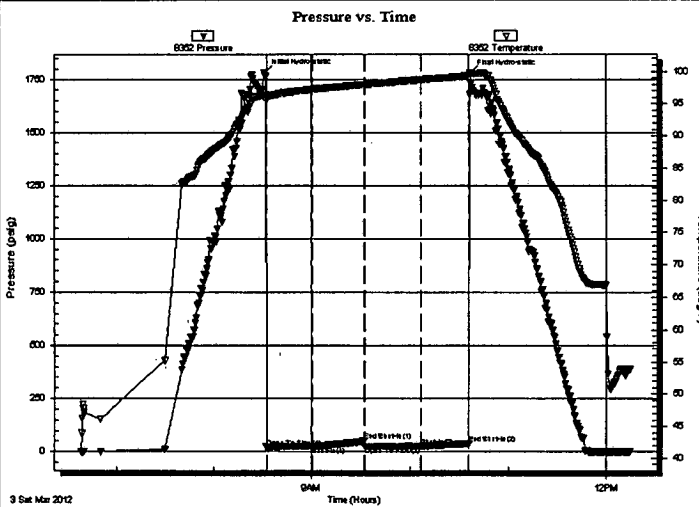
Serial #: 8352

Outside

Press@RunDepth: 24.86 psig @ 3463.00 ft (KB)
Start Date: 2012.03.03 End Date: 2012.03.03
Start Time: 06:38:05 End Time: 12:14:59

Capacity: 8000.00 psig
Last Calib.: 2012.03.03
Time On Btm: 2012.03.03 @ 08:31:10
Time Off Btm: 2012.03.03 @ 10:36:40

TEST COMMENT: IF:(30min) Blow died in 10 min.
ISl:(30min) No Return
FF:(30min) No Blow
FSl:(30min) No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1781.34	96.34	Initial Hydro-static
2	21.41	95.52	Open To Flow (1)
30	23.46	97.20	Shut-In(1)
61	49.41	97.96	End Shut-In(1)
62	23.62	97.96	Open To Flow (2)
96	24.86	98.70	Shut-In(2)
125	37.66	99.28	End Shut-In(2)
126	1778.52	99.64	Final Hydro-static

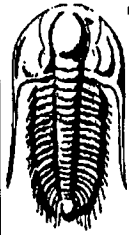
Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud	0.03

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco inc.
1327 Noose rd
PO Box 458
Hays Ks. 67601
ATTN: Mike Bair

21- 8s- 19w Rooks
Zerger #3
Job Ticket: 46805 **DST#: 4**
Test Start: 2012.03.03 @ 06:38:05

Mud and Cushion Information

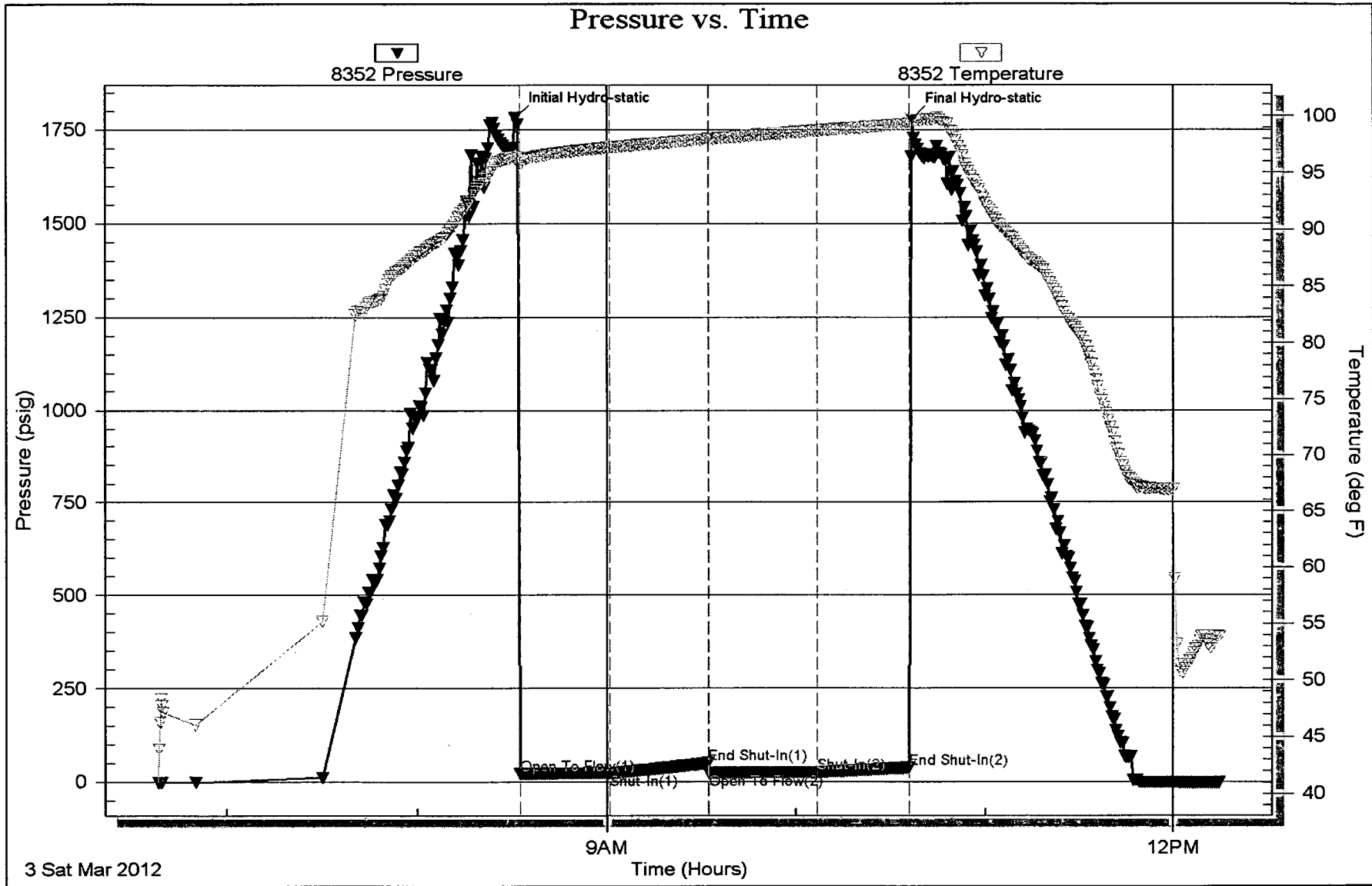
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5100.00 ppm			
Filter Cake: inches			

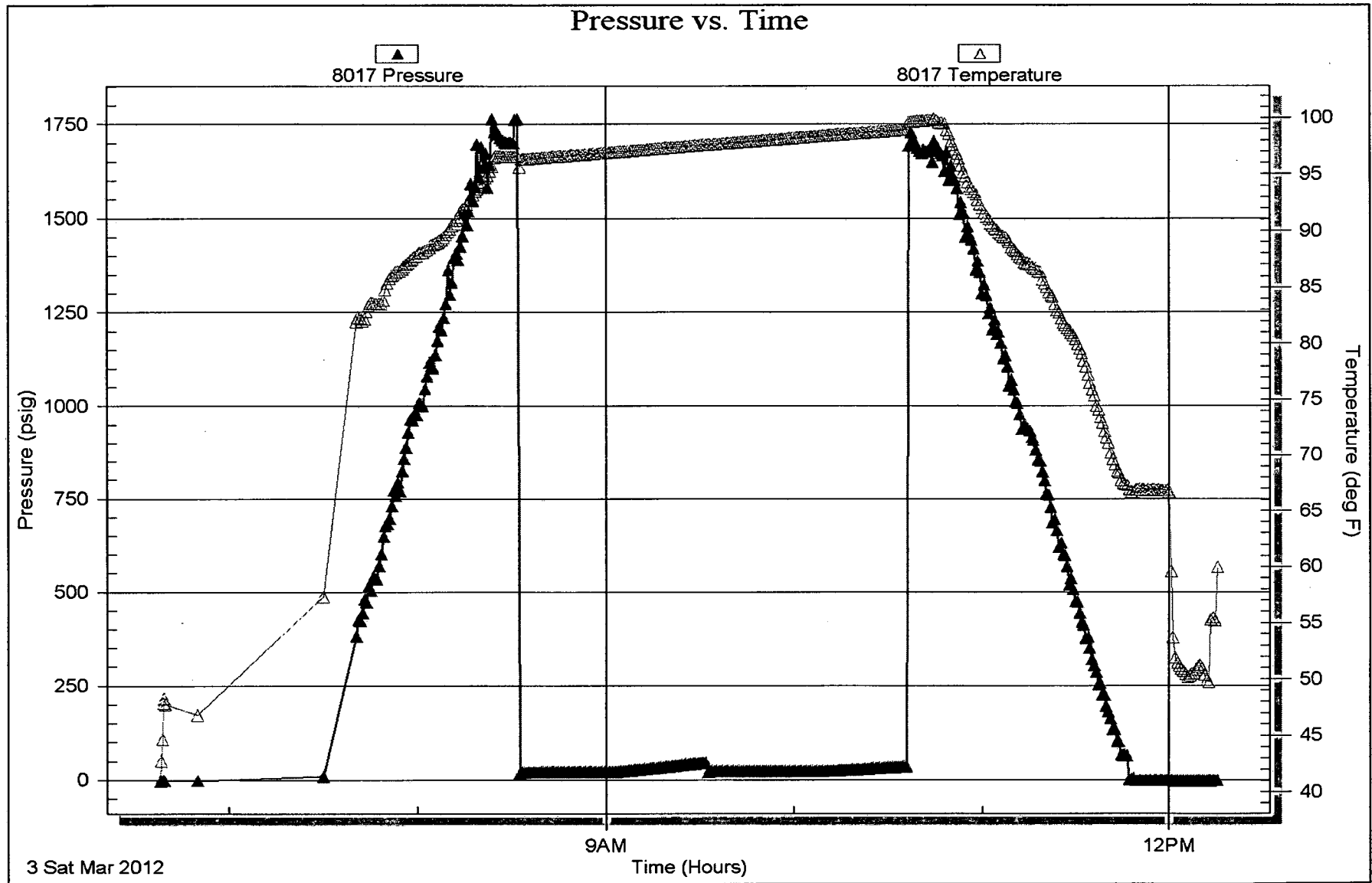
Recovery Information

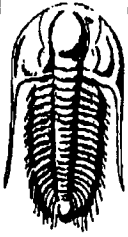
Recovery Table

Length ft	Description	Volume bbl
2.00	Mud	0.028

Total Length: 2.00 ft Total Volume: 0.028 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.
1327 Noose rd
PO Box 458
Hays Ks. 67601
ATTN: Mike Bair

21- 8s- 19w Rooks

Zerger #3

Job Ticket: 46806

DST#: 5

Test Start: 2012.03.04 @ 13:50:05

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:17:30
Time Test Ended: 18:58:29
Interval: **3495.00 ft (KB) To 3520.00 ft (KB) (TVD)**
Total Depth: 3604.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:

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Test Type: Conventional Straddle (Reset)
Tester: Andy Carreira
Unit No: 39

Reference Elevations: 2050.00 ft (KB)
2043.00 ft (CF)
KB to GR/CF: 7.00 ft

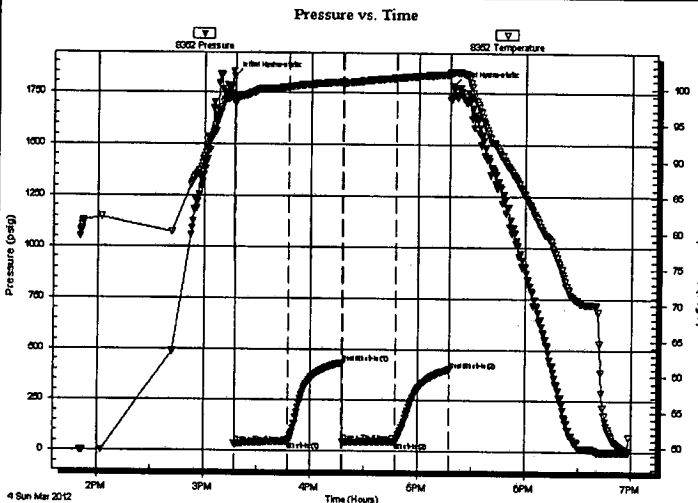
Serial #: 8352

Outside

Press@RunDepth: 46.07 psig @ 3506.00 ft (KB)
Start Date: 2012.03.04 End Date: 2012.03.04
Start Time: 13:50:05 End Time: 18:58:29

Capacity: 8000.00 psig
Last Calib.: 2012.03.04
Time On Btm: 2012.03.04 @ 15:17:20
Time Off Btm: 2012.03.04 @ 17:19:00

TEST COMMENT: IF:(30min) Blow died in 10 min.
IS:(30min) No Return
FF:(30min) No Blow
FSI:(30min) No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1825.36	98.96	Initial Hydro-static
1	32.44	97.92	Open To Flow (1)
31	43.72	100.12	Shut-In(1)
61	434.51	100.84	End Shut-In(1)
61	44.58	100.67	Open To Flow (2)
91	46.07	101.41	Shut-In(2)
121	402.11	101.93	End Shut-In(2)
122	1782.14	102.19	Final Hydro-static

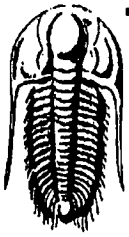
Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud	0.14

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Tengasco inc.
 1327 Noose rd
 PO Box 458
 Hays Ks. 67601
 ATTN: Mike Bair

21- 8s- 19w Rooks
Zerger #3
 Job Ticket: 46806 **DST#: 5**
 Test Start: 2012.03.04 @ 13:50:05

GENERAL INFORMATION:

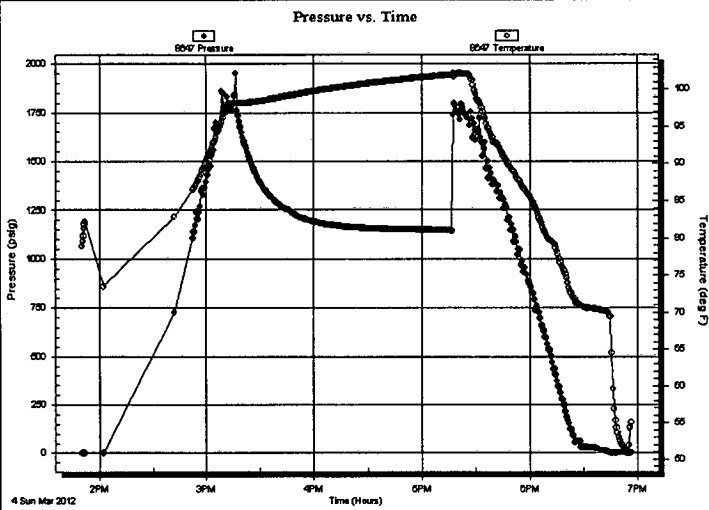
Formation: **Arbuckle**
 Deviated: **No** Whipstock: ft (KB)
 Time Tool Opened: 15:17:30
 Time Test Ended: 18:58:29
Interval: 3495.00 ft (KB) To 3520.00 ft (KB) (TVD)
 Total Depth: 3604.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 7.00 ft

Test Type: Conventional Straddle (Reset)
 Tester: Andy Carreira
 Unit No: 39
 Reference Elevations: 2050.00 ft (KB)
 2043.00 ft (CF)

Serial #: 8647

Press@RunDepth: psig @ ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.03.04 End Date: 2012.03.04 Last Calib.: 2012.03.04
 Start Time: 13:50:05 End Time: 18:56:59 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF:(30min) Blow died in 10 min.
 ISl:(30min) No Return
 FF:(30min) No Blow
 FSI:(30min) No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud	0.14

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco inc.
1327 Noose rd
PO Box 458
Hays Ks. 67601
ATTN: Mike Bair

21- 8s- 19w Rooks
Zerger #3
Job Ticket: 46806 **DST#: 5**
Test Start: 2012.03.04 @ 13:50:05

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:	ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6100.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

