



KANSAS CORPORATION COMMISSION 1089726
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: 1327 NOOSE RD
Address 2: PO BOX 458
City: HAYS State: KS Zip: 67601 + 9744
Contact Person: Gary Wagner
Phone: (785) 625-6374
CONTRACTOR: License # 33793
Name: H2 Drilling LLC
Wellsite Geologist: Rod Tremblay
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 #: _____

<u>04/19/2012</u>	<u>04/24/2012</u>	<u>05/09/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-195-22776-00-00
Spot Description: _____
NE NW SW NE Sec. 32 Twp. 12 S. R. 21 East West
1485 Feet from North / South Line of Section
2145 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Trego
Lease Name: Ridgeway Well #: 5
Field Name: Spring Creek
Producing Formation: Arbuckle
Elevation: Ground: 2247 Kelly Bushing: 2256
Total Depth: 4000 Plug Back Total Depth: 3928
Amount of Surface Pipe Set and Cemented at: 265 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 1672 Feet
If Alternate II completion, cement circulated from: 1672
feet depth to: 0 w/ 185 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 57000 ppm Fluid volume: 580 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Tengasco, Inc.
Lease Name: Schoenthaler A License #: 32278
Quarter NW Sec. 3 Twp. 13 S. R. 21 East West
County: Trego Permit #: D20551

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.

Submitted Electronically

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: Deanna Garbar Date: 08/13/2012



1089726

Operator Name: Tengasco, Inc. Lease Name: Ridgeway Well #: 5
 Sec. 32 Twp. 12 S. R. 21 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 (Attach Additional Sheets)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name Attached	Top Attached Datum Attached
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 (If no, Submit Copy)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
List All E. Logs Run: Attached			

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	12.25	8.625	23	265	Com	170	3%CC 2%gel
Production	7.875	5.5	14	3999	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	3928-3934	Com	50	
<input type="checkbox"/> Plug Back TD				
<input checked="" 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
2	3934	50 sx Com	
	Cmt Retainer @ 3928		
6	3910-14		

TUBING RECORD:	Size: 2.875	Set At: 3904	Packer At: N/A	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. 05/15/2012	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. 17	Gas Mcf	Water Bbls. 77	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>Arb 3910-14'</u>
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Form	ACO1 - Well Completion
Operator	Tengasco, Inc.
Well Name	Ridgeway 5
Doc ID	1089726

All Electric Logs Run

Dual Induction
Density Neutron/PE
Micro
Sonic

Form	ACO1 - Well Completion
Operator	Tengasco, Inc.
Well Name	Ridgeway 5
Doc ID	1089726

Tops

Anhydrite	1660	+596
Topeka	3283	-1027
Heebner	3512	-1256
Toronto	3542	-1286
Lansing	3541	-1285
BKC	3785	-1529
Marmaton	3858	-1602
Arbuckle	3910	-1654

ALLIED OIL & GAS SERVICES, LLC 056108

MAIL TO P.O. BOX 31
RUSSELL, KANSAS 67055

SERVICE POINT:

Russell

DATE <u>5-7-12</u>	SEC <u>30</u>	TWP. <u>12</u>	RANGE <u>21</u>	CALLED OUT	ON LOCATION	JOB START <u>2:00</u>	JOB FINISH <u>2:30</u>
LEASE <u>Rd by way</u> WELL # <u>5</u>		LOCATION <u>right hand 1/4 Sec 343 north</u>			COUNTY <u>Prago</u>	STATE <u>KS</u>	
<input type="radio"/> OLD OR NEW (Circle one)							

CONTRACTOR WB

TYPE OF JOB 302232

HOLE SIZE _____ T.D. _____

CASING SIZE _____ DEPTH _____

TUBING SIZE 2 7/8 DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL retainer DEPTH 2928

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. 3934 3910-11

DISPLACEMENT _____

OWNER _____

CEMENT AMOUNT ORDERED 200 HL

COMMON <u>200</u> @ <u>16.25</u>	<u>812.50</u>
POZMIX _____ @ _____	
GEL _____ @ _____	
CHLORIDE <u>3</u> @ <u>55.00</u>	<u>-</u>
ASC _____ @ _____	
<u>ret 2</u> @ _____	<u>7</u>
_____ @ _____	
_____ @ _____	
_____ @ _____	
_____ @ _____	
_____ @ _____	
_____ @ _____	
HANDLING <u>at 2</u> @ <u>2.05</u>	<u>456.75</u>
MILEAGE <u>9947</u> @ <u>.11</u>	<u>1094.17</u>
TOTAL	<u>2363.42</u>

EQUIPMENT

PUMP TRUCK CEMENTER 1000

409 HELPER Tony

BULK TRUCK DRIVER Robert Y.

410

BULK TRUCK DRIVER _____

REMARKS:

load hole made for 1000.

mix 500 lb cement, 120 gal

retainer to 500, pulled out retainer

reverse circulation clean full 5 days

retainer to 500 shot in well

Thanks!

CHARGE TO: Tangels Inc

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB _____	
PUMP TRUCK CHARGE <u>1050</u>	<u>116.</u>
EXTRA FOOTAGE _____ @ _____	
MILEAGE <u>mile 49</u> @ <u>7.00</u>	<u>343.00</u>
MANIFOLD <u>mile 49</u> @ <u>4.00</u>	<u>196.00</u>
_____ @ _____	
TOTAL	<u>639.00</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.

PRINTED NAME _____

SIGNATURE Harry Wagner

PLUG & FLOAT EQUIPMENT

_____ @ _____	
_____ @ _____	
_____ @ _____	
_____ @ _____	
_____ @ _____	
TOTAL	
SALES TAX (if Any) <u>197.36</u>	
TOTAL CHARGES <u>2902.42</u>	
DISCOUNT <u>20/70 1399.06</u> IF PAID IN 30 DAYS	

ALLIED OIL & GAS SERVICES, LLC 056943

P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Russell

4-19-12	SEC. 1	TWP. 12S	RANGE 21W	CALLED OUT	ON LOCATION	JOB START 11:30P	JOB FINISH 12:25P
WELL # 5	LOCATION near 4N 1W 21S W 1/4			COUNTYrego	STATEKS		

CONTRACTOR Hg Drilling OWNER _____

TYPE OF JOB Drilling

PIPE SIZE 12 1/4 T.D. 263

PIPE SIZE 1 1/2 DEPTH 263

PIPE SIZE _____ DEPTH _____

PIPE DEPTH _____

PIPE DEPTH _____

S. MAX MINIMUM _____

SHOE LINE SHOE JOINT 15'

MENT LEFT IN CSG. 15

FS. _____

PLACEMENT 15 1/2 65'

EQUIPMENT

TRUCK CEMENTER 109

TRUCK HELPER 109

TRUCK DRIVER 110

TRUCK DRIVER _____

CEMENT AMOUNT ORDERED 170pk class A

3 1/2 21.6

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 179 @ 2.25 = 402.75

MILEAGE 6.655 @ 11 = 73.205

TOTAL 4,464

REMARKS:

run pipe
1st 12 1/4" had circulation
max 100% class A 3 1/2 21.6
Drilling 15 1/2 65' H₂O
shot in
Avg. Run at 11:30
Cement did circulate to surface

SERVICE

DEPTH OF JOB	<u>263</u>		
PUMP TRUCK CHARGE		@	<u>1125.00</u>
EXTRA FOOTAGE		@	
MILEAGE MILV	<u>45</u>	@	<u>710</u>
MANIFOLD		@	
MILV	<u>45</u>	@	<u>180.00</u>

TOTAL 1620.00

AGENT TO: Ferguson

AGENT _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____

TOTAL 0

Allied Oil & Gas Services, LLC.
I am hereby requested to rent cementing equipment
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) 215.93

TOTAL CHARGES 6,084.25

DISCOUNT 20/70 1907.37 IF PAID IN 30 DAYS

PRINTED NAME _____

NATURE Keith Ferguson

ALLIED OIL & GAS SERVICES, LLC 056105

P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: R10-11

DATE <u>5-2-12</u>	SEC <u>32</u>	TWP. <u>12S</u>	RANGE <u>21</u>	CALLED OUT	ON LOCATION	JOB START <u>4:00</u>	JOB FINISH <u>4:00</u>
LEASE <u>Ridge way</u>		<u>5</u>	LOCATION <u>ridge rd N of J 3 with</u>		COUNTY <u>Presq</u>	STATE <u>KO</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR
TYPE OF JOB Shoring / P.A. well

HOLE SIZE _____ T.D. _____
CASING SIZE 5 1/2 WPA DEPTH _____
TUBING SIZE _____ DEPTH _____
DRILL PIPE _____ DEPTH _____
TOOL 168 PC. DEPTH 1689

PRES. MAX _____ MINIMUM _____
MEAS. LINE _____ SHOE JOINT _____
CEMENT LEFT IN CSG. _____
PERFS. _____
DISPLACEMENT _____

OWNER

CEMENT AMOUNT ORDERED 50K 1200A

1 1/2 side 1801
114 48

COMMON <u>10</u> <u>111</u>	@ <u>16.25</u>	<u>1808.75</u>
POZMIX _____ <u>74</u>	@ _____	<u>629.00</u>
GEL _____ <u>6</u>	@ <u>21.25</u>	<u>127.50</u>
CHLORIDE _____	@ _____	_____
ASC _____	@ _____	_____
<u>APY</u> <u>43</u> <u>W</u>	@ <u>2.90</u>	<u>121.90</u>
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
HANDLING <u>34.3</u>	@ <u>2.25</u>	<u>771.75</u>
MILEAGE <u>16.335</u>	@ <u>11</u>	<u>179.68</u>
TOTAL		<u>5295.35</u>

EQUIPMENT

PUMP TRUCK CEMENTER Todd
409 HELPER Tony

BULK TRUCK DRIVER Robert Y.
410/481

BULK TRUCK DRIVER _____

REMARKS:

tested for shoring pressure hold, sent truck back to retest for P.A. well
test hole check PL. in open mile 37.661
depth 85 ft, ran 6 1/2" dia PC.
removed unsplit clean

did circulate to surface

Thanks

SERVICE

DEPTH OF JOB _____	@ _____	<u>1908.75</u>
PUMP TRUCK CHARGE _____	@ _____	<u>1808.75</u>
EXTRA FOOTAGE _____	@ _____	_____
MILEAGE <u>MILV</u> <u>43</u>	@ <u>7.00</u>	<u>301</u>
MANIFOLD _____	@ _____	_____
<u>MILV</u> <u>45</u>	@ <u>4.00</u>	<u>180</u>
_____	@ _____	_____
TOTAL		<u>2420.50</u>

CHARGE TO: TRUSSARD

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
TOTAL		_____

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) 182.35

TOTAL CHARGES 7715.35

DISCOUNT 20% 2688.99 IF PAID IN 30 DAYS

PRINTED NAME _____

SIGNATURE Dave Ragun

ALLIED OIL & GAS SERVICES, LLC 056947

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

SERVICE POINT:
Russell

DATE 4-25-12	SEC 32	TWP. 12 N	RANGE 21 W	CALLED OUT	ON LOCATION	JOB START 11:02	JOB FINISH 11:07
LEASE R. J. ...	WELL # 5	LOCATION reg 4 1/4 in 3/4 in 1/2 in			COUNTY Freya	STATE KS	
OLD OR (NEW) (Circle one)							

CONTRACTOR	OWNER
TYPE OF JOB P.R. Port Collar	CEMENT
HOLE SIZE 7 I.D. 3998	AMOUNT ORDERED 180 cu ASC
CASING SIZE 5 1/2 4 1/2 DEPTH 4088	
TUBING SIZE DEPTH	
DRILL PIPE DEPTH	
TOOL JOE COPE DEPTH 11070	
PRES. MAX MINIMUM	COMMON 1/2 " @
MEAS. LINE SHOE JOINT 42	POZMIX @
CEMENT LEFT IN CSG. 42	GEL @
PERFS.	CHLORIDE @
DISPLACEMENT 96 cu bbl	ASC @

EQUIPMENT			
PUMP TRUCK # 409	CEMENTER Fadel	HELPER Kany	
BULK TRUCK # 410	DRIVER Robert Y.		
BULK TRUCK #	DRIVER		
		HANDLING 226 @ 2.25 = 508.50	
		MILEAGE 10,276 @ 1.143 = 1,173.96	
		TOTAL 5707.06	

REMARKS:

Can 96 cu establish circulation, lubricate
1 Hr, mid gas test mid depth, mid 3/4 in test, mark
w/c, meter 150 cu in well, ungravel clean
relined pipe displaced 96 cu bbl
lapped plug, set 17000' reworked
new dia 1 1/2" hole 9 1/2" in well

SERVICE

DEPTH OF JOB 3998'	
PUMP TRUCK CHARGE	2 225.00
EXTRA FOOTAGE @	
MILEAGE MI HV 45 @ 7.00	315.00
MANIFOLD @	
MI HV 45 @ 4.00	180.00
400 Head & manifold @ 300.00	NC
TOTAL	2720.00

CHARGE TO: Freya
STREET _____
CITY _____ STATE _____ ZIP _____

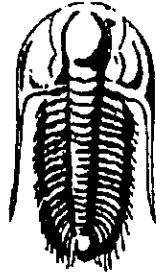
PLUG & FLOAT EQUIPMENT

3/4" inside float @ 166	166
400 inside @ 284	284
Centralizers 3 @ 34	170
Basket @ 236	236
Port collar @ 1820	1820
Tot rubber plug 51	51
TOTAL	2729.00

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.

SALES TAX (If Any) 461.31
TOTAL CHARGES 11,156.06
DISCOUNT 20/70 3050.49 IF PAID IN 30 DAYS

PRINTED NAME _____
SIGNATURE Kath Kusler



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Tengasco, Inc.**

PO Box 458
Hays KS 67601

ATTN: Rod Tremblay

Ridgeway #5

32-12s-21w Trego,KS

Start Date: 2012.04.23 @ 01:35:52

End Date: 2012.04.23 @ 10:34:52

Job Ticket #: 47715 DST #: 1

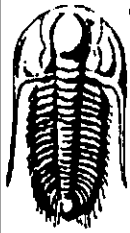
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.04.27 @ 13:29:12

Tengasco, Inc. 32-12s-21w Trego,KS Ridgeway #5 DST # 1 KC "J" 2012.04.23



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Tengasco, Inc.

32-12s-21w Trego, KS

PO Box 458
Hays KS 67601

Ridgeway #5

Job Ticket: 47715

DST#: 1

ATTN: Rod Tremblay

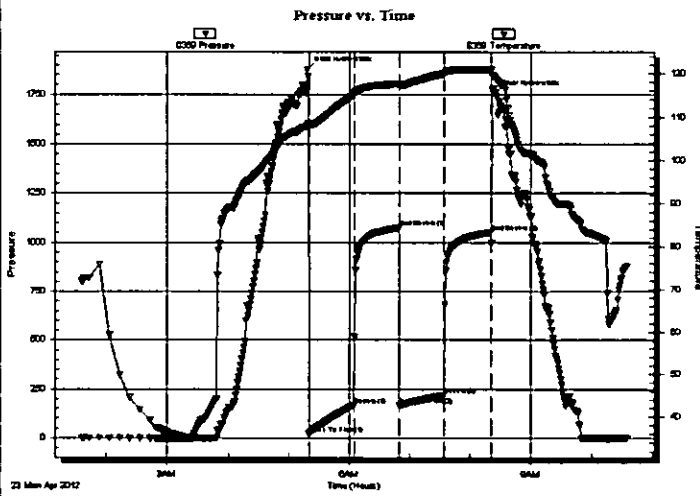
Test Start: 2012.04.23 @ 01:35:52

GENERAL INFORMATION:

Formation: **KC "J"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:19:52
 Time Test Ended: 10:34:52
 Interval: **3718.00 ft (KB) To 3760.00 ft (KB) (TVD)**
 Total Depth: 3760.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brett Dickinson
 Unit No: 59
 Reference Elevations: 2256.00 ft (KB)
 2247.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: **8369** Outside
 Press@RunDepth: 221.11 psig @ 3724.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.04.23 End Date: 2012.04.23 Last Calib.: 2012.04.23
 Start Time: 01:35:57 End Time: 10:34:52 Time On Btm: 2012.04.23 @ 05:18:22
 Time Off Btm: 2012.04.23 @ 08:24:22

TEST COMMENT: IF-BOB in 34 min
 ISI-No blow
 FF-6in blow
 FSI-No blow



PRESSURE SUMMARY

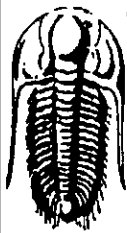
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1876.46	108.05	Initial Hydro-static
2	20.66	108.13	Open To Flow (1)
47	164.56	115.03	Shut-In(1)
91	1075.55	117.55	End Shut-In(1)
92	166.81	117.24	Open To Flow (2)
136	221.11	119.99	Shut-In(2)
183	1052.22	120.82	End Shut-In(2)
186	1753.55	119.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	VSOCMW 2%O 78%W 20%M	0.01
430.00	water	3.23

Gas Rates

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



TRIBOLITE
TESTING, INC

DRILL STEM TEST REPORT

Tengasco, Inc.

32-12s-21w Trego, KS

PO Box 458
Hays KS 67601

Ridgeway #5

Job Ticket: 47715

DST#: 1

ATTN: Rod Tremblay

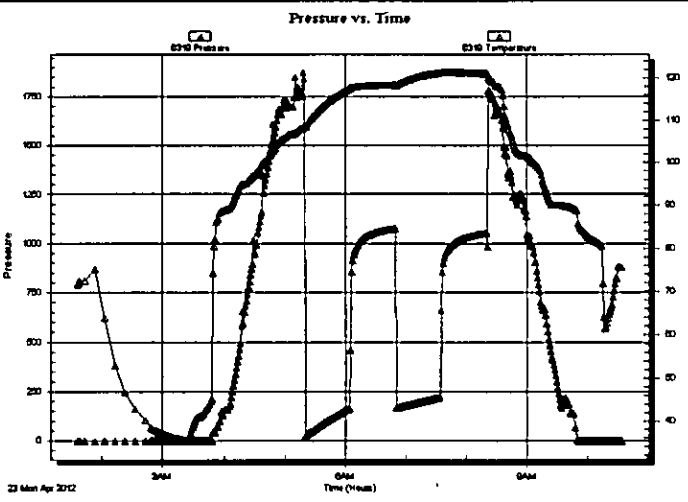
Test Start: 2012.04.23 @ 01:35:52

GENERAL INFORMATION:

Formation: **KC "J"**
 Deviated: **No Whipstock:** ft (KB)
 Test Type: **Conventional Bottom Hole (Initial)**
 Time Tool Opened: **05:19:52**
 Tester: **Brett Dickinson**
 Time Test Ended: **10:34:52**
 Unit No: **59**
 Interval: **3718.00 ft (KB) To 3760.00 ft (KB) (TVD)**
 Reference Elevations: **2256.00 ft (KB)**
2247.00 ft (CF)
 Total Depth: **3760.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 KB to GR/CF: **9.00 ft**

Serial #: 8319 Inside
 Press@RunDepth: psig @ 3724.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.04.23 End Date: 2012.04.23 Last Calib.: 2012.04.23
 Start Time: 01:35:57 End Time: 10:34:52 Time On Btm:
 Time Off Btm:

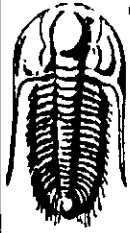
TEST COMMENT: IF-BOB in 34 min
 IS-No blow
 FF-6in blow
 FS-No blow



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

Recovery		
Length (ft)	Description	Volume (bbl)
2.00	VSOCMM 2%O 78%M 20%M	0.01
430.00	water	3.23

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco, Inc.

32-12s-21w Trego, KS

PO Box 458
Hays KS 67601

Ridgeway #5

Job Ticket: 47715

DST#: 1

ATTN: Rod Tremblay

Test Start: 2012.04.23 @ 01:35:52

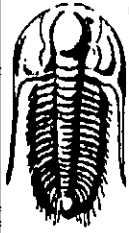
Tool Information

Drill Pipe:	Length: 3392.00 ft	Diameter: 3.80 inches	Volume: 47.58 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 310.00 ft	Diameter: 2.25 inches	Volume: 1.52 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 49.10 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3718.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	62.00 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			3699.00	
Shut In Tool	5.00			3704.00	
Hydraulic tool	5.00			3709.00	
Packer	4.00			3713.00	20.00 Bottom Of Top Packer
Packer	5.00			3718.00	
Stubb	1.00			3719.00	
Perforations	5.00			3724.00	
Recorder	0.00	8319	Inside	3724.00	
Recorder	0.00	8369	Outside	3724.00	
Change Over Sub	1.00			3725.00	
Drill Pipe	31.00			3756.00	
Change Over Sub	1.00			3757.00	
Bullnose	3.00			3760.00	42.00 Bottom Packers & Anchor

Total Tool Length: 62.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco, Inc.

32-12s-21w Trego,KS

PO Box 458
Hays KS 67601

Ridgeway #5

Job Ticket: 47715

DST#: 1

ATTN: Rod Tremblay

Test Start: 2012.04.23 @ 01:35:52

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:

96000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
2.00	VSOCMW 2%O 78%W 20%M	0.010
430.00	water	3.226

Total Length: 432.00 ft Total Volume: 3.236 bbf

Num Fluid Samples: 0

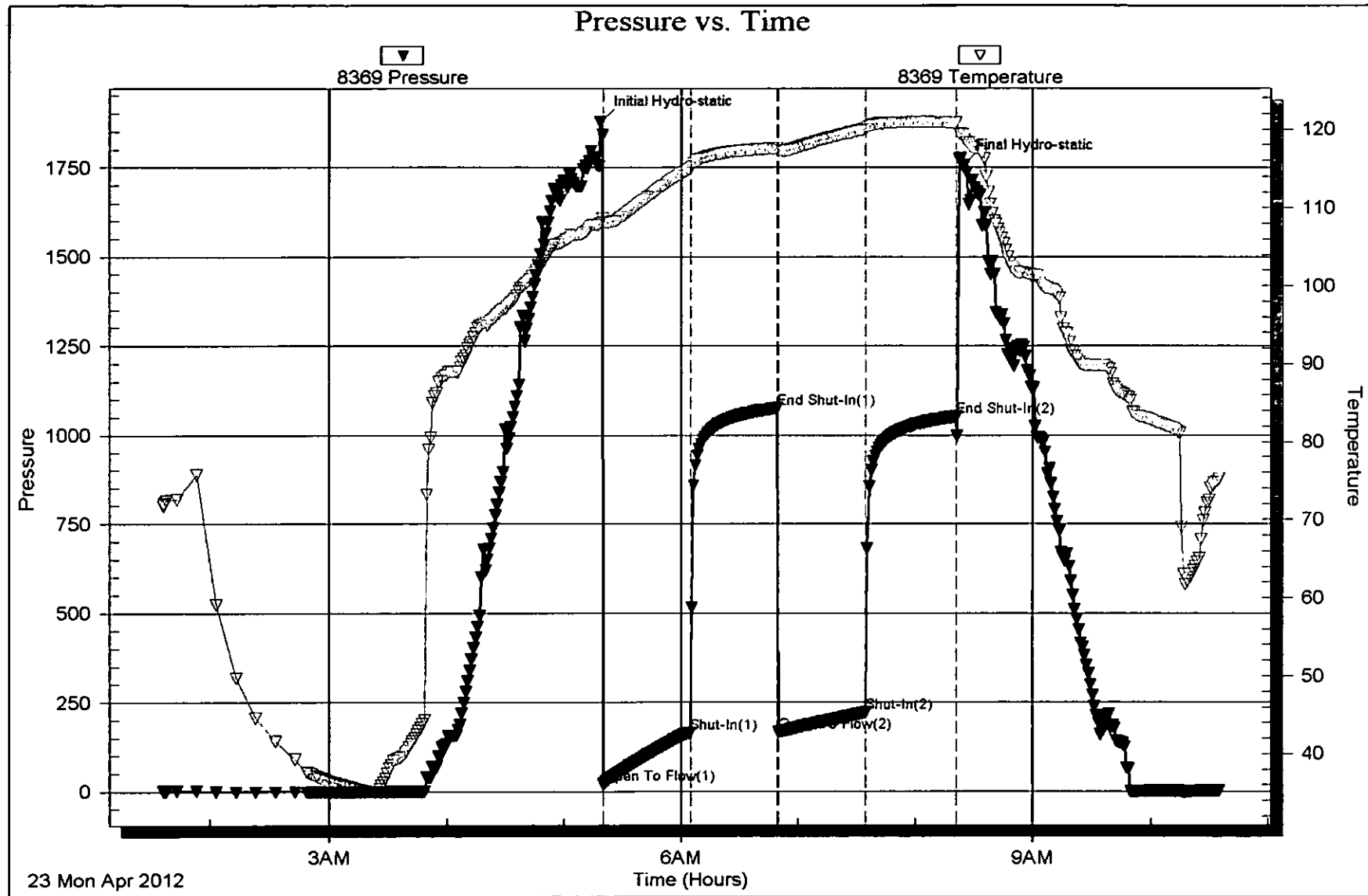
Num Gas Bombs: 0

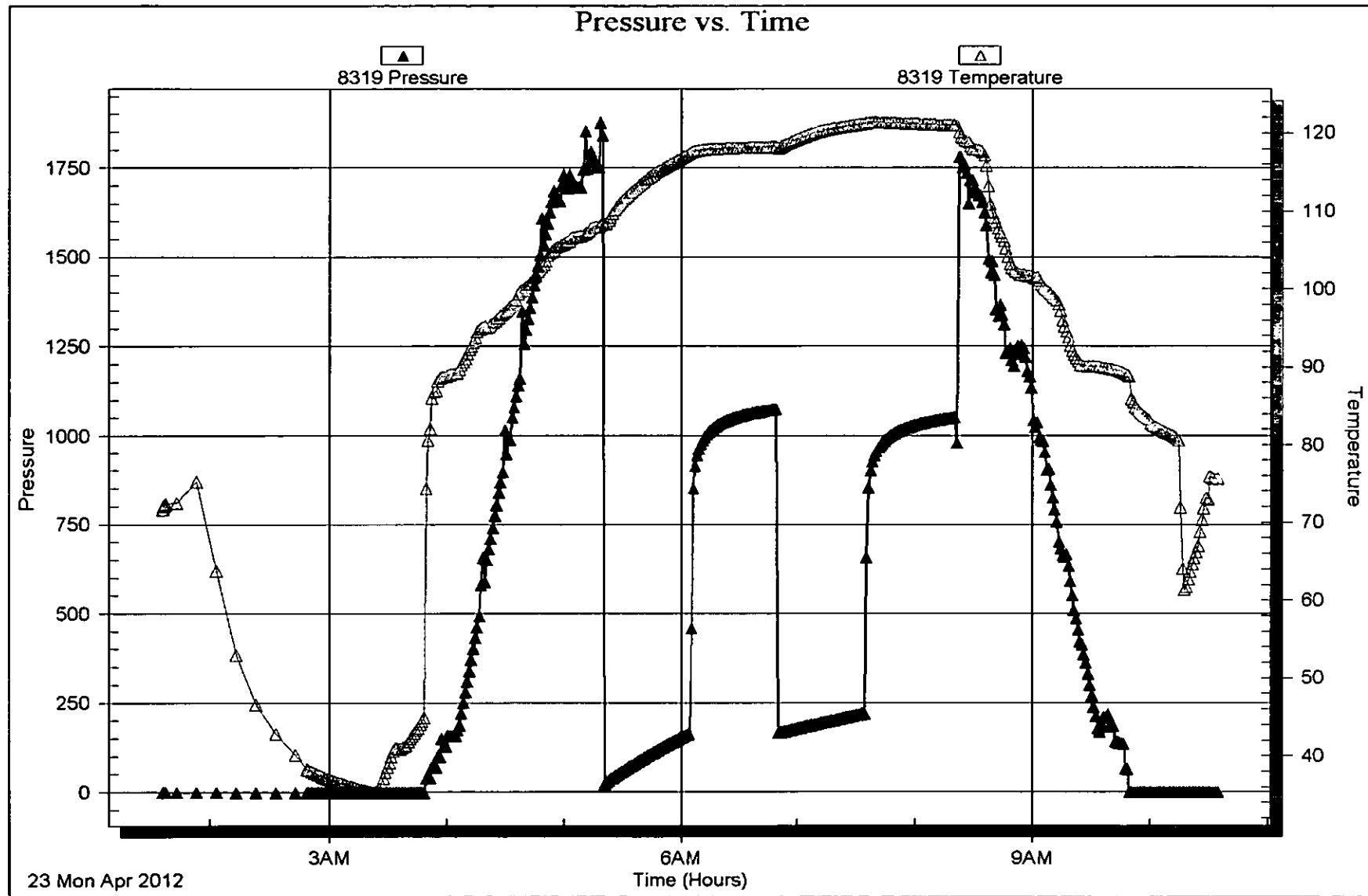
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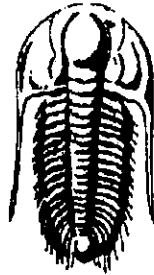
Laboratory Name:

Laboratory Location:

Recovery Comments: RWQ.08@70







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Tengasco, Inc.**

PO Box 458
Hays KS 67601

ATTN: Rod Tremblay

Ridgeway #5

32-12s-21w Trego,KS

Start Date: 2012.04.24 @ 00:50:30

End Date: 2012.04.24 @ 10:29:30

Job Ticket #: 47716 DST #: 2

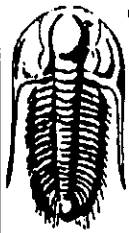
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.04.27 @ 13:28:11

Tengasco, Inc. 32-12s-21w Trego,KS Ridgeway #5 DST # 2 Arbuckle 2012.04.24



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Tengasco, Inc.

32-12s-21w Trego, KS

PO Box 458
Hays KS 67601

Ridgeway #5

Job Ticket: 47716

DST#: 2

ATTN: Rod Tremblay

Test Start: 2012.04.24 @ 00:50:30

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:09:30

Time Test Ended: 10:29:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: 3900.00 ft (KB) To 3930.00 ft (KB) (TVD)

Total Depth: 3930.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2256.00 ft (KB)

2247.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8369

Outside

Press@RunDepth: 472.86 psig @ 3927.00 ft (KB)

Start Date: 2012.04.24

End Date:

2012.04.24

Capacity: 8000.00 psig

Last Calib.: 2012.04.24

Start Time: 00:50:35

End Time:

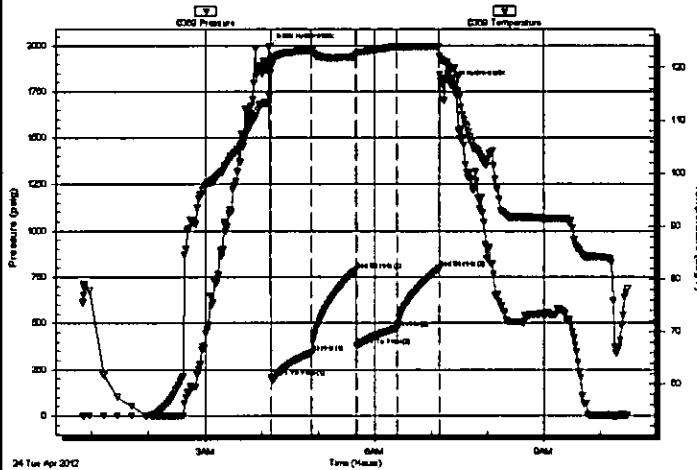
10:29:30

Time On Btm: 2012.04.24 @ 04:08:00

Time Off Btm: 2012.04.24 @ 07:12:00

TEST COMMENT: IF-BOB in 1 min
IS- Very weak surface blow died in 40 min
FF-BOB in 3 min
FSI- No blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1993.49	114.56	Initial Hydro-static
2	205.87	119.04	Open To Flow (1)
45	340.60	123.38	Shut-in(1)
92	787.08	121.98	End Shut-in(1)
93	376.74	122.41	Open To Flow (2)
136	472.86	123.91	Shut-in(2)
181	794.47	123.93	End Shut-in(2)
184	1789.55	121.31	Final Hydro-static

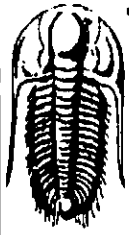
Recovery

Length (ft)	Description	Volume (bbl)
60.00	GVSWOCM 5%G 10%O 5%W 80%M	0.30
60.00	GOCM 15%G 45%O 40%M	0.30
1005.00	GO	12.37
120.00	GO 15%G 85%O	1.68
0.00	60ft GP	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Tengasco, Inc.

32-12s-21w Trego, KS

PO Box 458
Hays KS 67601

Ridgeway #5

Job Ticket: 47716

DST#: 2

ATTN: Rod Tremblay

Test Start: 2012.04.24 @ 00:50:30

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:09:30

Time Test Ended: 10:29:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: **3900.00 ft (KB) To 3930.00 ft (KB) (TVD)**

Total Depth: 3930.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2256.00 ft (KB)

2247.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: **8319** Inside

Press@RunDepth: psig @ 3927.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.24

End Date:

2012.04.24

Last Calib.:

2012.04.24

Start Time: 00:50:47

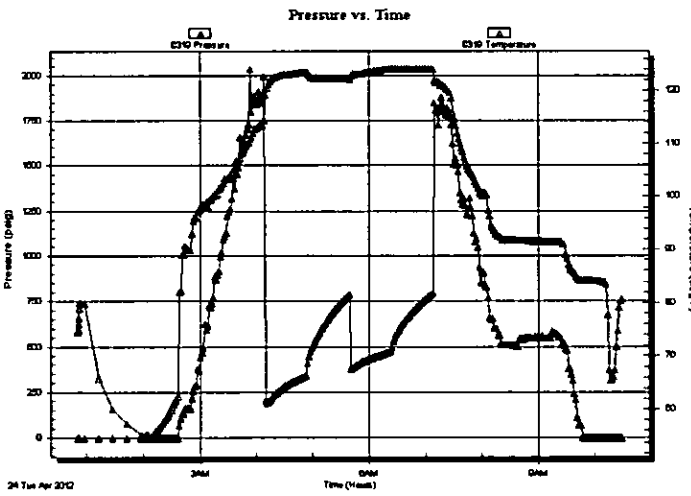
End Time:

10:29:42

Time On Btrm

Time Off Btrm

TEST COMMENT: IF-BOB in 1 min
ISI-Very weak surface blow died in 40 min
FF-BOB in 3 min
FSI-No blow



PRESSURE SUMMARY

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

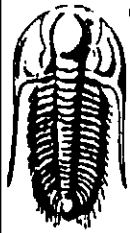
Recovery

Length (ft)	Description	Volume (bbl)
60.00	GVSWOCM 5%G 10%O 5%W 80%M	0.30
60.00	GOCM 15%G 45%O 40%M	0.30
1005.00	GO	12.37
120.00	GO 15%G 85%O	1.68
0.00	60ft GIP	0.00

* 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.

32-12s-21w Trego, KS

PO Box 458
Hays KS 67601

Ridgeway #5

Job Ticket: 47716

DST#: 2

ATTN: Rod Tremblay

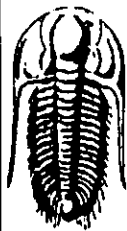
Test Start: 2012.04.24 @ 00:50:30

Tool Information

Drill Pipe:	Length: 3578.00 ft	Diameter: 3.80 inches	Volume: 50.19 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 310.00 ft	Diameter: 2.25 inches	Volume: 1.52 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 51.71 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	3900.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	50.00 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			3881.00	
Shut In Tool	5.00			3886.00	
Hydraulic tool	5.00			3891.00	
Packer	4.00			3895.00	20.00 Bottom Of Top Packer
Packer	5.00			3900.00	
Stubb	1.00			3901.00	
Perforations	26.00			3927.00	
Recorder	0.00	8319	Inside	3927.00	
Recorder	0.00	8369	Outside	3927.00	
Bullnose	3.00			3930.00	30.00 Bottom Packers & Anchor
Total Tool Length:	50.00				



**TRIBOLITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco, Inc.

32-12s-21w Trego,KS

PO Box 458
Hays KS 67601

Ridgeway #5

Job Ticket: 47716

DST#: 2

ATTN: Rod Tremblay

Test Start: 2012.04.24 @ 00:50:30

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	GVSWOCM 5%G 10%O 5%W 80%M	0.295
60.00	GOCM 15%G 45%O 40%M	0.295
1005.00	GO	12.367
120.00	GO 15%G 85%O	1.683
0.00	60ft GIP	0.000

Total Length: 1245.00 ft Total Volume: 14.640 bbl

Num Fluid Samples: 0

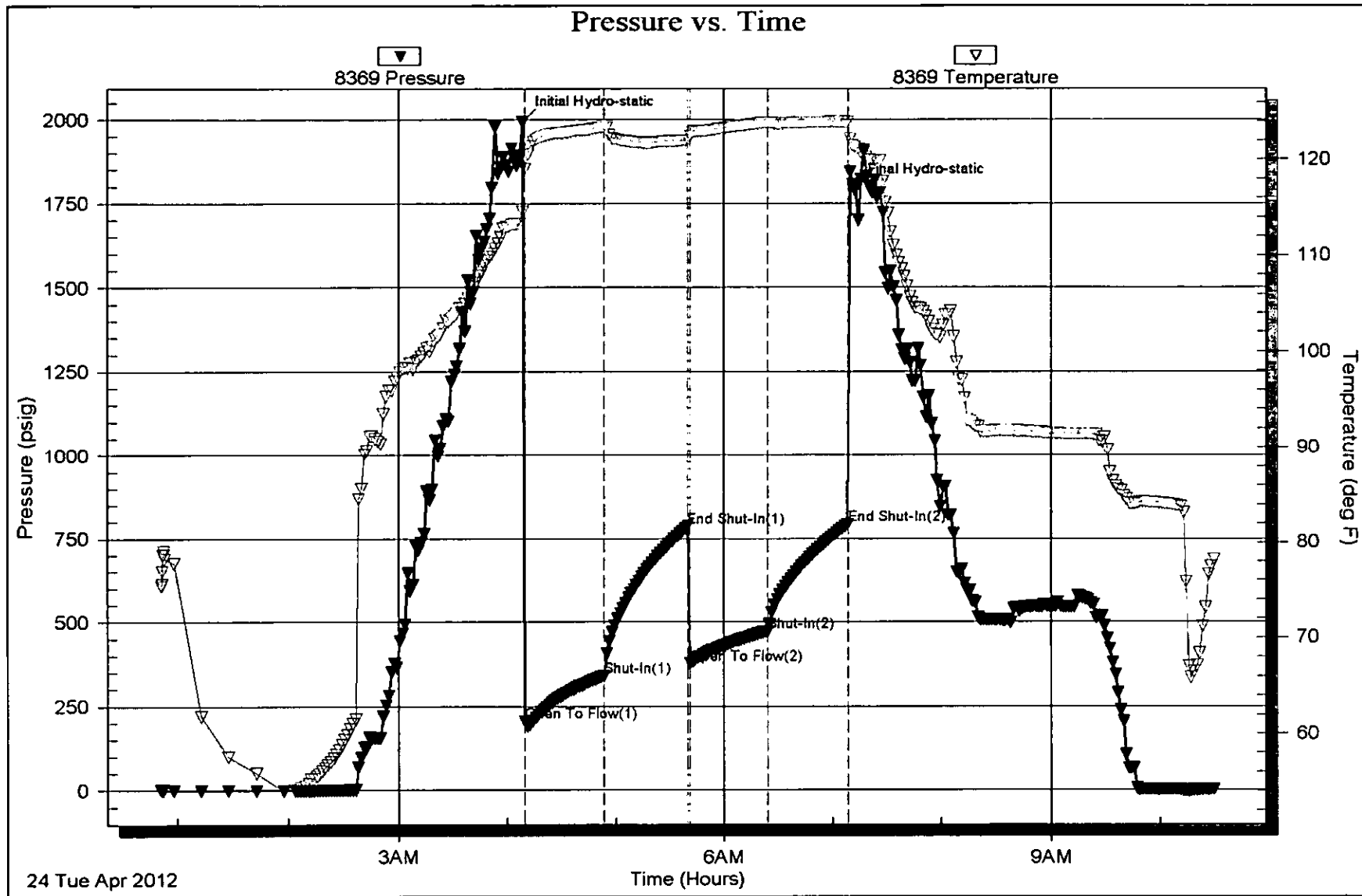
Num Gas Bombs: 0

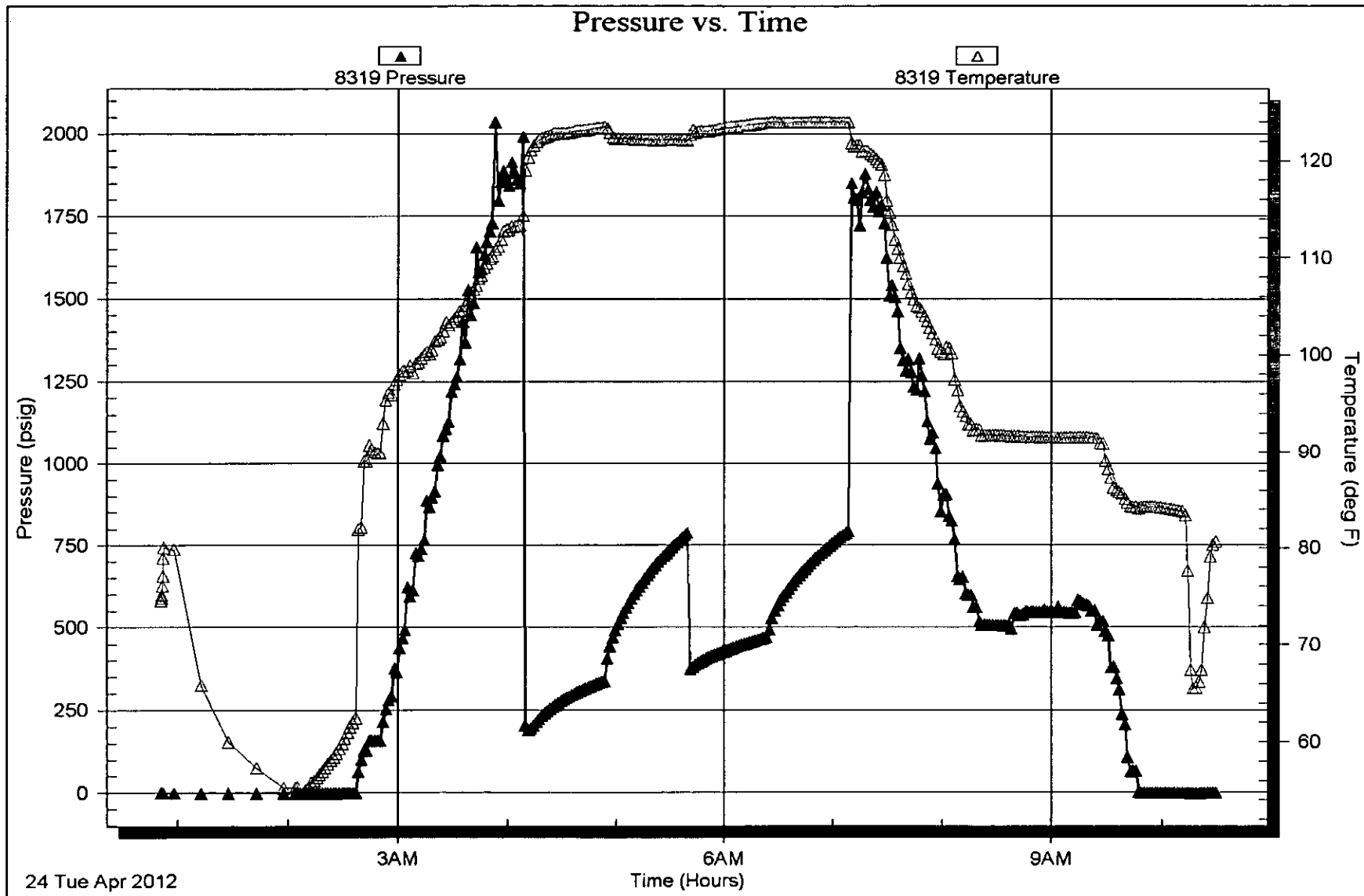
Serial #:

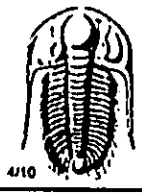
Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
APR 24 2012

Test Ticket

NO. 47715

Well Name & No. Ridgeway #15 Test No. 1 Date 4/22/12
 Company Tengasco, Inc. Elevation 2256 KB 2247 GL
 Address 1327 Noose Rd PO Box 458 Hays KS 67601
 Co. Rep / Geo. Red Tremblay Rig H2 #3
 Location: Sec. 32 Twp. 12s Rgo. 21w Co. Trego State KS

Interval Tested 3718-3760 Zone Tested AC "J"
 Anchor Length 42 Drill Pipe Run 8392 Mud Wt. 9.1
 Top Packer Depth 3713 Drill Collars Run 310 Vis 60
 Bottom Packer Depth 3718 Wt. Pipe Run --- WL 6.4
 Total Depth 3760 Chlorides 2,700 ppm System LCM 4
 Blow Description IF - BOB in 34 min
FSI - No blow
FF - 6 in blow
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>VSOC MW</u>		<u>2</u>	<u>78</u>	<u>20</u>
<u>430</u>	<u>water</u>				

Rec Total 432 BHT 221 Gravity 1150 API RW .08 @ 70 °F Chlorides 96,000 ppm
 (A) Initial Hydrostatic 1876 Test 1150 T-On Location 22:20
 (B) First Initial Flow 21 Jars _____ T-Started 1:35
 (C) First Final Flow 165 Safety Joint _____ T-Open 5:17
 (D) Initial Shut-In 1,076 Circ Sub _____ T-Pulled 8:17
 (E) Second Initial Flow 167 Hourly Standby 3 1/4 hrs 325' T-Out 10:35
 (F) Second Final Flow 221 Mileage 25 x 2 17750 Comments _____
 (G) Final Shut-In 1,052 Sampler _____
 (H) Final Hydrostatic 1,754 Straddle _____
 Initial Open 45 Shale Packer _____
 Initial Shut-In 45 Extra Packer _____
 Final Flow 45 Extra Recorder _____
 Final Shut-In 45 Day Standby _____
 Accessibility _____
 Sub Total 1552.50 MP/DST Disc't _____

Approved By _____ Our Representative Burt Dineen
 TriLOBITE TESTING INC. shall not be liable for damaged or lost 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.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
APR 24 2012

Test Ticket

NO. 47716

Well Name & No. Ridge way #15 Test No. 2 Date 4/24/12
 Company Tengasco, Inc. Elevation 2256 KB 2247 GL
 Address 1327 Noose Rd PO Box 458 Hays KS 67601
 Co. Rep / Geo. had Tremblay Rig H2 # 3
 Location: Sec. 32 Twp. 12s Rge. 21w Co. Trego State KS

Interval Tested 2900 - 2930 Zone Tested Arb.
 Anchor Length 30 Drill Pipe Run 3578 Mud Wt. 9.1
 Top Packer Depth 2895 Drill Collars Run 310 Vis 58
 Bottom Packer Depth 2900 Wt. Pipe Run — WL 2.2
 Total Depth 2930 Chlorides 3900 ppm System LCM 4
 Blow Description FF-BOB in 1min
FST - very weak surface blow died in 40min
FF-BOB in 3min
FST - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>60</u>	<u>15</u>	<u>85</u>		
<u>1005</u>	<u>60</u>	<u>Reversed out</u>			
<u>60</u>	<u>60 OCM</u>	<u>15</u>	<u>45</u>		<u>40</u>
<u>60</u>	<u>60 VSW OCM</u>	<u>5</u>	<u>10</u>	<u>5</u>	<u>80</u>
<u>60</u>	<u>60 M G2P</u>				

Rec Total 1245 BHRT 124 Gravity 37 API RW @ — °F Chlorides — ppm
 (A) Initial Hydrostatic 1993 Test 1150 T-On Location 00:30
 (B) First Initial Flow 206 Jars — T-Started 00:50
 (C) First Final Flow 341 Safety Joint — T-Opon 4:04
 (D) Initial Shut-In 787 Circ Sub — T-Pulled 7:04
 (E) Second Initial Flow 377 Hourly Standby 1hr 100 T-Out 10:25
 (F) Second Final Flow 473 Mileage 2512 77.50 Comments —
 (G) Final Shut-In 794 Sampler —
 (H) Final Hydrostatic 1790 Straddle —
 Shale Packer — Ruined Shale Packer —
 Extra Packer — Ruined Packer —
 Extra Recorder — Extra Copies —
 Day Standby — Sub Total 0
 Accessibility — Total 1327.80
 Sub Total 1327.50 MP/DST Disc't —

Approved By — Our Representative Brett Dickson

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.