



DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc.**

PO Box 458
Hays KS 67601

ATTN: Mike Bair

Veverka D #4

21-2s-19w Rooks KS

Start Date: 2014.04.27 @ 22:38:00

End Date: 2014.04.28 @ 06:46:30

Job Ticket #: 56883 DST #: 1

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

Printed: 2014.05.01 @ 13:14:27

Tengasco Inc.
21-2s-19w Rooks KS
Veverka D #4
DST # 1
LKC " H - J "
2014.04.27



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Tengasco Inc.

21-2s-19w Rooks KS

PO Box 458
Hays KS 67601

Veverka D #4

Job Ticket: 56883

DST#: 1

ATTN: Mike Bair

Test Start: 2014.04.27 @ 22:38:00

GENERAL INFORMATION:

Formation: **LKC "H - J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:10:00

Time Test Ended: 06:46:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ryan Nichols

Unit No: 58

Interval: 3311.00 ft (KB) To 3385.00 ft (KB) (TVD)

Reference Elevations: 2007.00 ft (KB)

Total Depth: 3385.00 ft (KB) (TVD)

2002.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6752 Inside

Press@RunDepth: 33.55 psig @ 3312.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.04.27

End Date:

2014.04.28

Last Calib.: 2014.04.28

Start Time: 22:38:01

End Time:

06:46:30

Time On Btm: 2014.04.28 @ 01:09:50

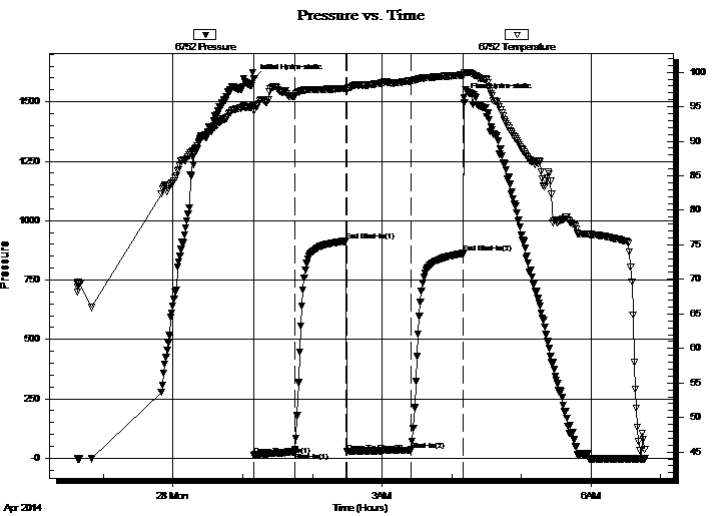
Time Off Btm: 2014.04.28 @ 04:10:50

TEST COMMENT: 35 IF - Surface blow built to 1 1/4"

45 ISI - No return

55 FF - Surface blow

45 FSI - No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1598.53	95.09	Initial Hydro-static
1	12.98	94.38	Open To Flow (1)
35	26.37	96.55	Shut-In(1)
80	913.99	97.64	End Shut-In(1)
80	27.02	97.34	Open To Flow (2)
136	33.55	98.72	Shut-In(2)
181	862.83	99.58	End Shut-In(2)
182	1517.80	99.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100%	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Tengasco Inc.

21-2s-19w Rooks KS

PO Box 458
Hays KS 67601

Veverka D #4

Job Ticket: 56883

DST#: 1

ATTN: Mike Bair

Test Start: 2014.04.27 @ 22:38:00

GENERAL INFORMATION:

Formation: **LKC " H - J "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:10:00

Time Test Ended: 06:46:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ryan Nichols

Unit No: 58

Interval: 3311.00 ft (KB) To 3385.00 ft (KB) (TVD)

Reference Elevations: 2007.00 ft (KB)

Total Depth: 3385.00 ft (KB) (TVD)

2002.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8322

Outside

Press@RunDepth: psig @ 3312.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.04.27

End Date:

2014.04.28

Last Calib.:

2014.04.28

Start Time: 22:38:01

End Time:

06:46:30

Time On Btm:

Time Off Btm:

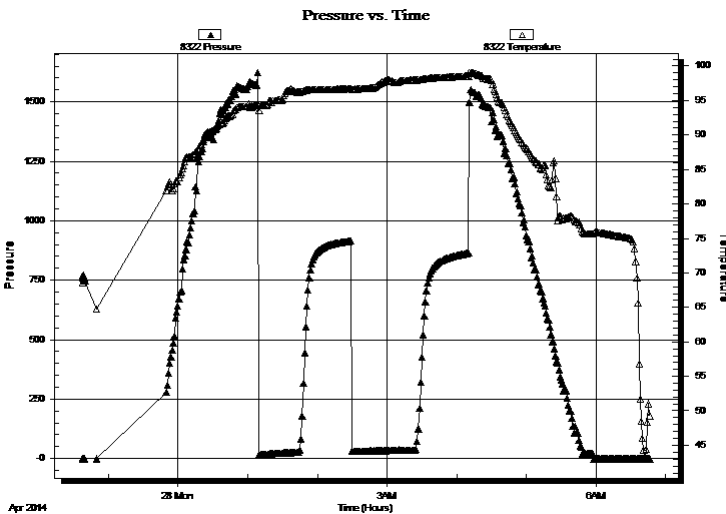
TEST COMMENT: 35 IF - Surface blow built to 1 1/4"

45 ISI - No return

55 FF - Surface blow

45 FSI - No return

PRESSURE SUMMARY



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

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
5.00	Mud 100%	0.02

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco Inc.

21-2s-19w Rooks KS

PO Box 458
Hays KS 67601

Veverka D #4

Job Ticket: 56883

DST#: 1

ATTN: Mike Bair

Test Start: 2014.04.27 @ 22:38:00

Tool Information

Drill Pipe:	Length: 3269.00 ft	Diameter: 3.80 inches	Volume: 45.86 bbl	Tool Weight: 2500.00 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 38000.00 lb
			<u>Total Volume: 46.01 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3311.00 ft			Final 32000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	74.00 ft			
Tool Length:	101.00 ft			
Number of Packers:	2	Diameter: 6.78 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3285.00	
Shut In Tool	5.00			3290.00	
Hydraulic tool	5.00			3295.00	
Jars	5.00			3300.00	
Safety Joint	2.00			3302.00	
Packer	5.00			3307.00	27.00 Bottom Of Top Packer
Packer	4.00			3311.00	
Stubb	1.00			3312.00	
Recorder	0.00	6752	Inside	3312.00	
Recorder	0.00	8322	Outside	3312.00	
Perforations	5.00			3317.00	
Change Over Sub	1.00			3318.00	
Drill Pipe	63.00			3381.00	
Change Over Sub	1.00			3382.00	
Bullnose	3.00			3385.00	74.00 Bottom Packers & Anchor

Total Tool Length: 101.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc.

21-2s-19w Rooks KS

PO Box 458
Hays KS 67601

Veverka D #4

Job Ticket: 56883

DST#: 1

ATTN: Mike Bair

Test Start: 2014.04.27 @ 22:38:00

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: 64.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
5.00	Mud 100%	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbf

Num Fluid Samples: 0

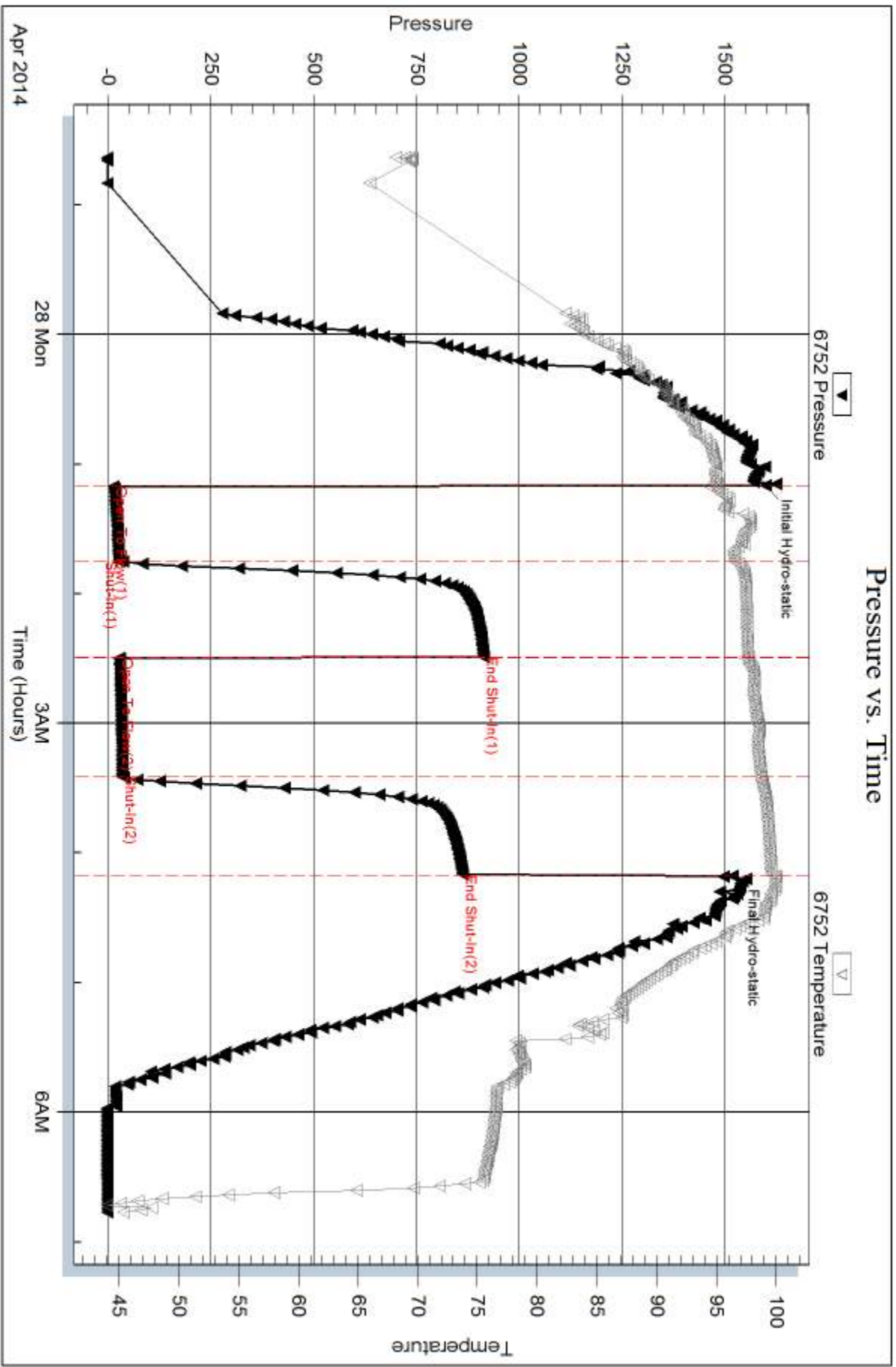
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

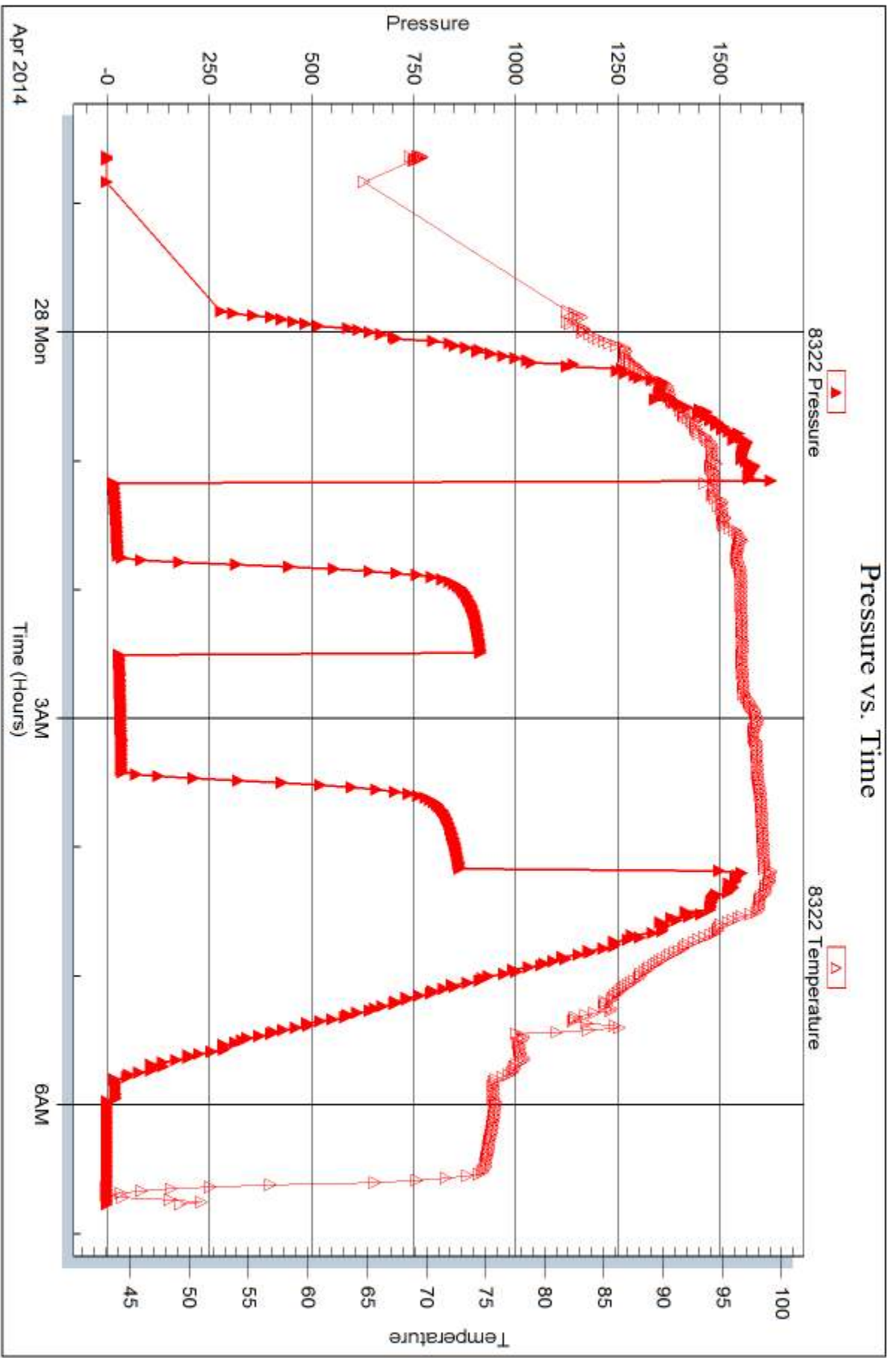


Serial #: 8322

Outside Tengasco Inc.

Veverka D#4

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 56883

Printed: 2014.05.01 @ 13:14:28



DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc.**

PO Box 458
Hays KS 67601

ATTN: Mike Bair

Veverka D #4

21-2s-19w Rooks KS

Start Date: 2014.04.28 @ 17:11:00

End Date: 2014.04.29 @ 03:56:00

Job Ticket #: 56884 DST #: 2

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

Printed: 2014.05.01 @ 13:12:48

Tengasco Inc.
21-2s-19w Rooks KS
Veverka D #4
DST # 2
Arbuckle
2014.04.28



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Tengasco Inc.

21-2s-19w Rooks KS

PO Box 458
Hays KS 67601

Veverka D #4

Job Ticket: 56884

DST#: 2

ATTN: Mike Bair

Test Start: 2014.04.28 @ 17:11:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:16:10

Time Test Ended: 03:56:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Nichols

Unit No: 58

Interval: 3378.00 ft (KB) To 3456.00 ft (KB) (TVD)

Reference Elevations: 2007.00 ft (KB)

Total Depth: 3378.00 ft (KB) (TVD)

2002.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6752 Inside

Press@RunDepth: 721.77 psig @ 3379.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.04.28

End Date:

2014.04.29

Last Calib.:

2014.04.29

Start Time: 17:11:01

End Time:

03:56:00

Time On Btm:

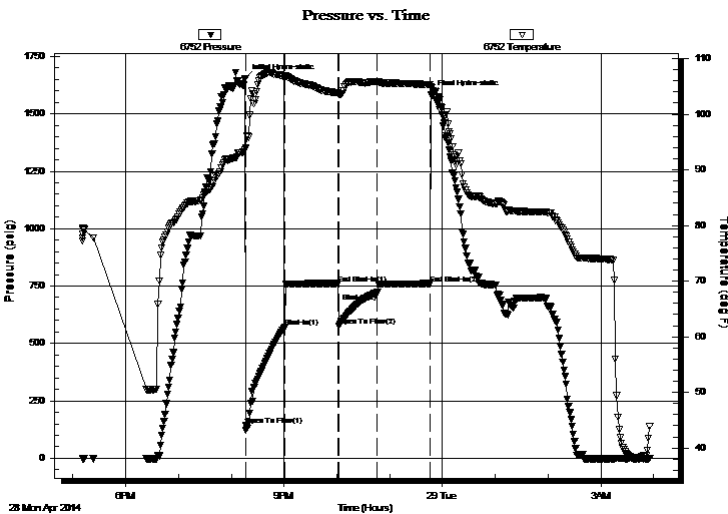
2014.04.28 @ 20:15:50

Time Off Btm:

2014.04.28 @ 23:46:39

TEST COMMENT: 45 IF - BoB @ 2 mins
60 ISI - Surface blow built to 3"
45 FF - BoB @ 3 mins
60 FSI - Surface blow built to 3 1/2"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1652.88	93.62	Initial Hydro-static
1	143.79	93.80	Open To Flow (1)
46	571.17	106.82	Shut-In(1)
105	759.82	103.82	End Shut-In(1)
107	576.84	103.64	Open To Flow (2)
151	721.77	105.83	Shut-In(2)
211	760.60	105.29	End Shut-In(2)
211	1584.33	104.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1683.00	GO - 15%G - 85%o	23.33
63.00	MCO - 25%M - 75%o	0.88
0.00	200' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



DRILL STEM TEST REPORT

Tengasco Inc.

21-2s-19w Rooks KS

PO Box 458
Hays KS 67601

Veverka D #4

Job Ticket: 56884

DST#: 2

ATTN: Mike Bair

Test Start: 2014.04.28 @ 17:11:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:16:10

Time Test Ended: 03:56:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Nichols

Unit No: 58

Interval: 3378.00 ft (KB) To 3456.00 ft (KB) (TVD)

Total Depth: 3378.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2007.00 ft (KB)

2002.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8322 Outside

Press@RunDepth: psig @ 3379.00 ft (KB)

Start Date: 2014.04.28

End Date:

2014.04.29

Start Time: 17:11:01

End Time:

03:56:00

Capacity: 8000.00 psig

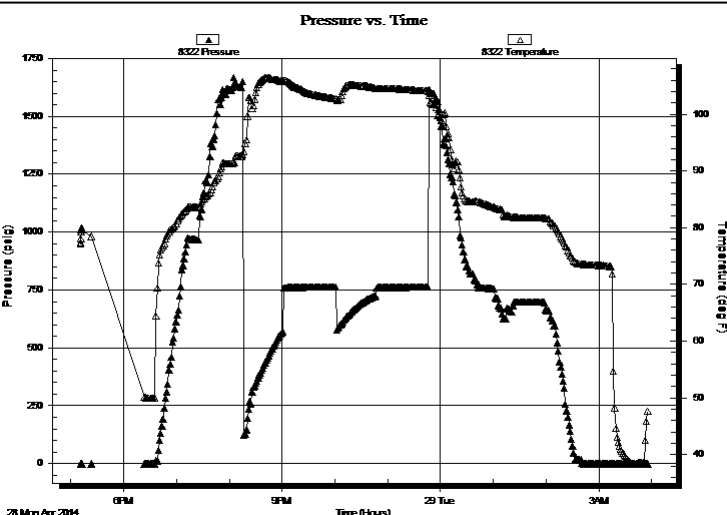
Last Calib.:

1899.12.30

Time On Btm:

Time Off Btm:

TEST COMMENT: 45 IF - BoB @ 2 mins
60 ISI - Surface blow built to 3"
45 FF - BoB @ 3 mins
60 FSI - Surface blow built to 3 1/2"



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
1683.00	GO - 15%G - 85%o	23.33
63.00	MCO - 25%M - 75%o	0.88
0.00	200' 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.

21-2s-19w Rooks KS

PO Box 458
Hays KS 67601

Veverka D #4

Job Ticket: 56884

DST#: 2

ATTN: Mike Bair

Test Start: 2014.04.28 @ 17:11:00

Tool Information

Drill Pipe:	Length: 3354.00 ft	Diameter: 3.80 inches	Volume: 47.05 bbl	Tool Weight: 2500.00 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 40000.00 lb
			<u>Total Volume: 47.20 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3378.00 ft			Final 37000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	78.00 ft			
Tool Length:	105.00 ft			
Number of Packers:	2	Diameter: 6.78 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3352.00	
Shut In Tool	5.00			3357.00	
Hydraulic tool	5.00			3362.00	
Jars	5.00			3367.00	
Safety Joint	2.00			3369.00	
Packer	5.00			3374.00	27.00 Bottom Of Top Packer
Packer	4.00			3378.00	
Stubb	1.00			3379.00	
Recorder	0.00	6752	Inside	3379.00	
Recorder	0.00	8322	Outside	3379.00	
Perforations	9.00			3388.00	
Change Over Sub	1.00			3389.00	
Drill Pipe	63.00			3452.00	
Change Over Sub	1.00			3453.00	
Bullnose	3.00			3456.00	78.00 Bottom Packers & Anchor

Total Tool Length: 105.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc.

21-2s-19w Rooks KS

PO Box 458
Hays KS 67601

Veverka D #4

Job Ticket: 56884

DST#: 2

ATTN: Mike Bair

Test Start: 2014.04.28 @ 17:11:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
1683.00	GO - 15%G - 85%o	23.335
63.00	MCO - 25%M - 75%o	0.884
0.00	200' GIP	0.000

Total Length: 1746.00 ft Total Volume: 24.219 bbl

Num Fluid Samples: 0

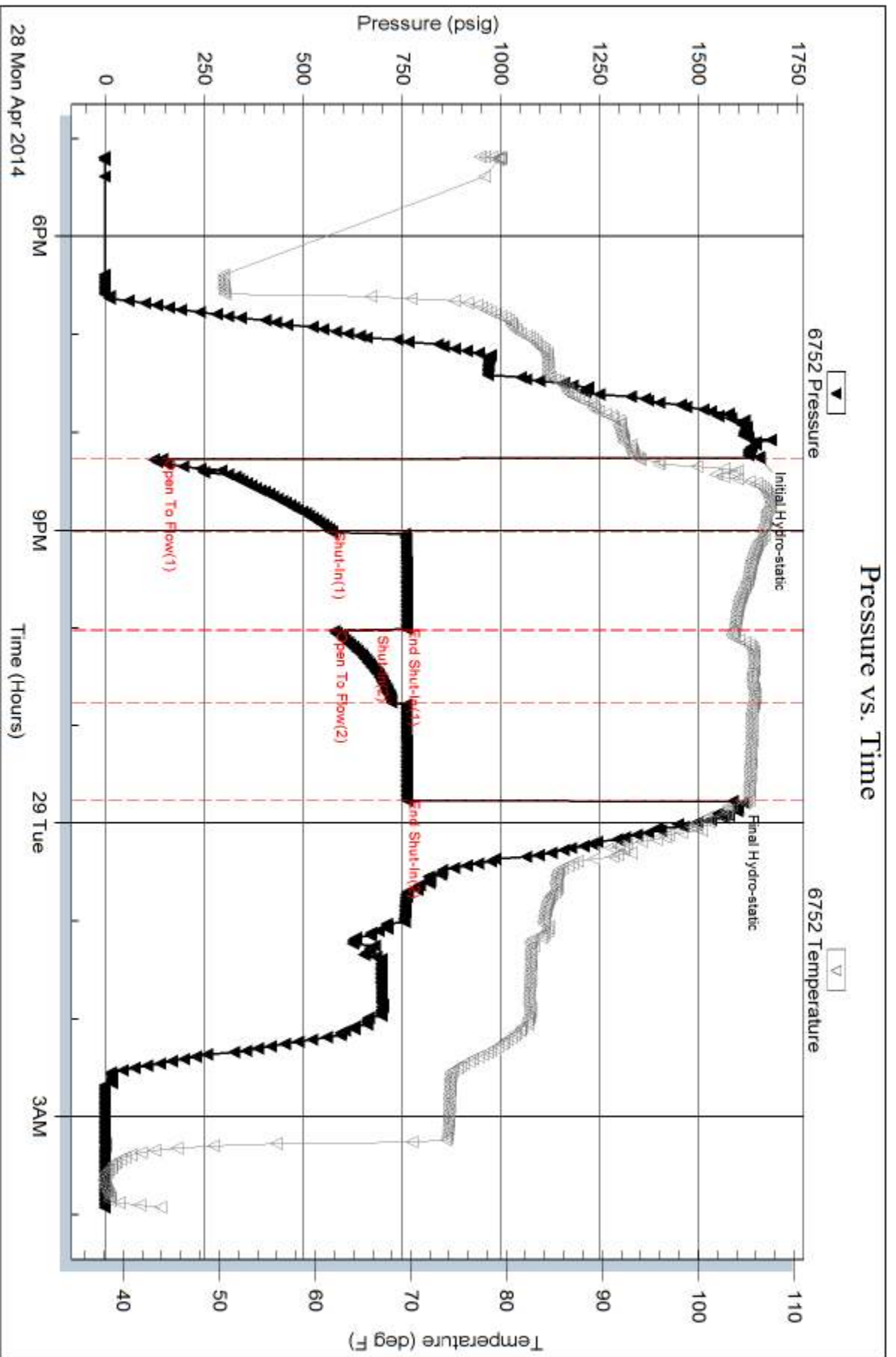
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: OIL API = 32 @ 70 DEG F = 31 COR 60 DEG F

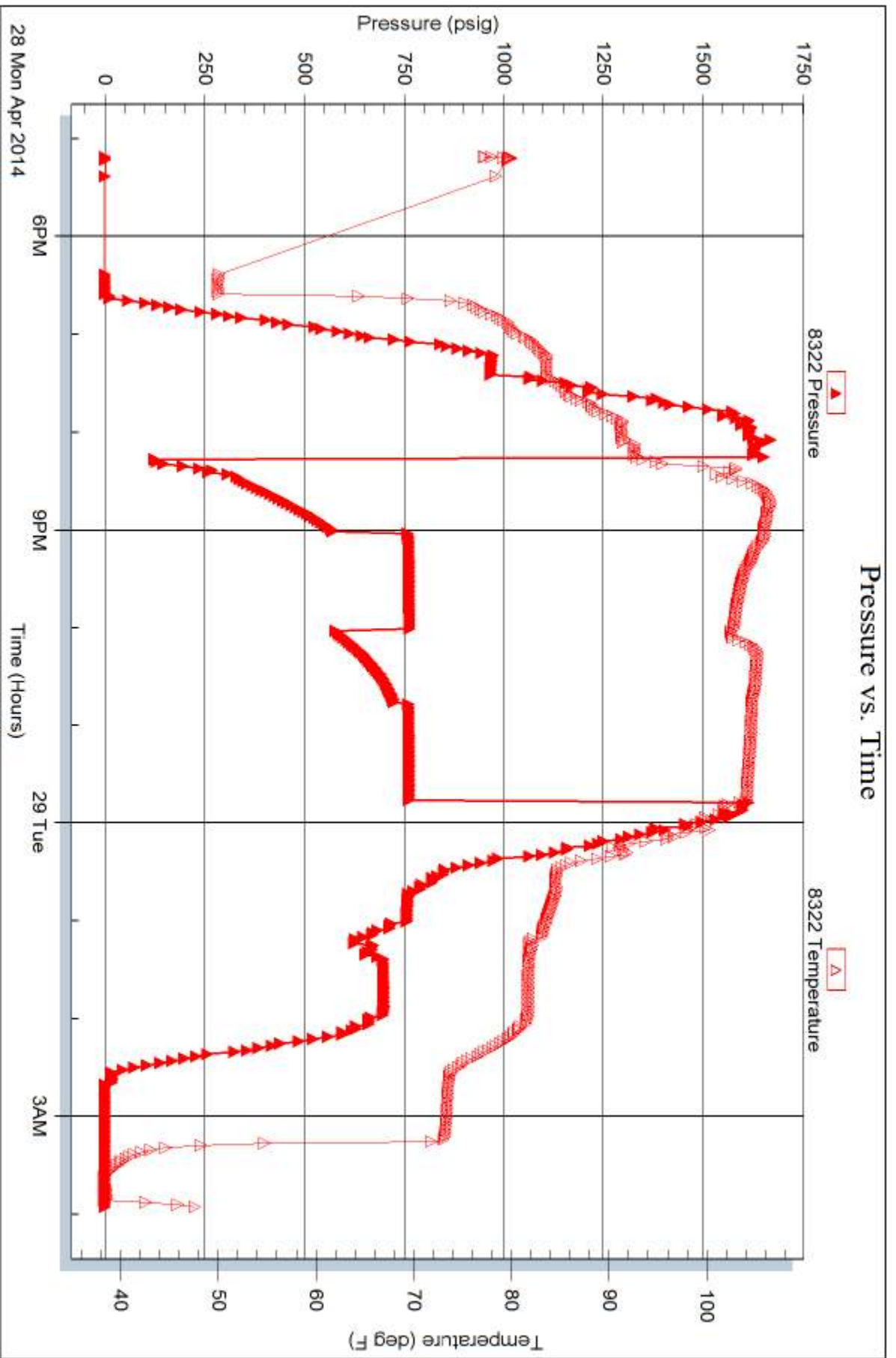


Serial #: 8322

Outside Tengasco Inc.

Veverka D #4

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 56884

Printed: 2014.05.01 @ 13:12:49



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56883

Well Name & No. Veruka D Test No. 1 Date 4/27/14
 Company Tengasco Inc. Elevation 2007 KB 2002 GL
 Address 1327 Nasse RD P.O. Box 458 Hays KS 67601
 Co. Rep / Geo. Mike Bair Rig AM. Eagle #3
 Location: Sec. 21 Twp. 8S Rge. 19W Co. Rooks State KS

Interval Tested 3311-3385 Zone Tested LKC "H-J"
 Anchor Length 74' Drill Pipe Run 3269 Mud Wt. 8.75
 Top Packer Depth 3306 Drill Collars Run 30' Vis 64
 Bottom Packer Depth 3311 Wt. Pipe Run 0' WL 6.8
 Total Depth 3385 Chlorides 2800 ppm System LCM 1

Blow Description IF-Surface blow built to 1 1/4"
ISI-No return
FF-Surface blow
FSI-No return

Rec	Feet of	%gas	%oil	%water	%mud
5'	Mud			100%	

Rec Total 5' BHT 100° Gravity — API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic <u>1599</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>21:30</u>
(B) First Initial Flow <u>13</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>22:38</u>
(C) First Final Flow <u>26</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>01:11</u>
(D) Initial Shut-In <u>914</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>04:11</u>
(E) Second Initial Flow <u>27</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>06:46</u>
(F) Second Final Flow <u>34</u>	<input checked="" type="checkbox"/> Mileage <u>200 RT</u>	Comments
(G) Final Shut-In <u>863</u>	<input type="checkbox"/> Sampler <u>84rt 130.20</u>	
(H) Final Hydrostatic <u>1518</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

Initial Open 35
 Initial Shut-In 45
 Final Flow 55
 Final Shut-In 45

Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

Sub Total 1605.20

Total 1605.20
 MP/DST Disc't

Approved By _____ Our Representative [Signature]

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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56884

Well Name & No. Ververka D Test No. 2 Date 4/28/13
 Company Tengasco Inc Elevation 2007 KB 2002 GL
 Address 1327 Noose Rd P.O. Box 458 Hays KS 67601
 Co. Rep / Geo. Mike Bail Rig A.M. Eagle # 3
 Location: Sec. 21 Twp. 8S Rge. 19W Co. Rooks State KS

Interval Tested 3378 - 3456 Zone Tested Arbuckle
 Anchor Length 78' Drill Pipe Run 3354' Mud Wt. 9.0
 Top Packer Depth 3373 Drill Collars Run 30' Vis 63
 Bottom Packer Depth 3378 Wt. Pipe Run 0' WL 6.4
 Total Depth 3456 Chlorides 2500 ppm System LCM 2

Blow Description IF - BoB @ 2 mins
ISI - Surface blow built to 3"
FF - BoB @ 3 mins
FST Surface blow built to 3 1/2"

Rec	Feet of	%gas	%oil	%water	%mud
<u>63</u>	<u>MLO</u>	<u>75</u>		<u>25</u>	
<u>1683</u>	<u>GO</u>	<u>15</u>	<u>85</u>		
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 1746 BHT 105 Gravity 31 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1653 Test 1150 T-On Location 16:45
 (B) First Initial Flow 144 Jars 250 T-Started 17:11
 (C) First Final Flow 571 Safety Joint 75 T-Open 20:16
 (D) Initial Shut-In 760 Circ Sub used 50 T-Pulled 23:46
 (E) Second Initial Flow 577 Hourly Standby — T-Out 03:56
 (F) Second Final Flow 723 Mileage 200 RT Comments GIP - 200'
 (G) Final Shut-In 761 Sampler 130.20
 (H) Final Hydrostatic 1584 Straddle — Ruined Shale Packer —

Initial Open 45 Shale Packer — Ruined Packer —
 Initial Shut-In 60 Extra Packer — Extra Copies —
 Final Flow 45 Extra Recorder — Sub Total 0
 Final Shut-In 60 Day Standby — Total 1655.20
 Accessibility — MP/DST Disc't —
 Sub Total 1655.20

Approved By _____ Our Representative [Signature]

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.