

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Tengasco inc.

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

28-8s-19w Rooks

Veverka C #5

Job Ticket: 45690

DST#: 1

Test Start: 2012.02.14 @ 01:17:05

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:31:10

Time Test Ended: 11:33:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Andy Carreira

Unit No: 39

Interval: **3414.00 ft (KB) To 3447.00 ft (KB) (TVD)**

Total Depth: **3447.00 ft (KB) (TVD)**

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2007.00 ft (KB)

2000.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8352 Outside

Press@RunDepth: 790.21 psig @ 3415.00 ft (KB)

Start Date: 2012.02.14

End Date:

2012.02.14

Start Time: 01:17:05

End Time:

11:33:00

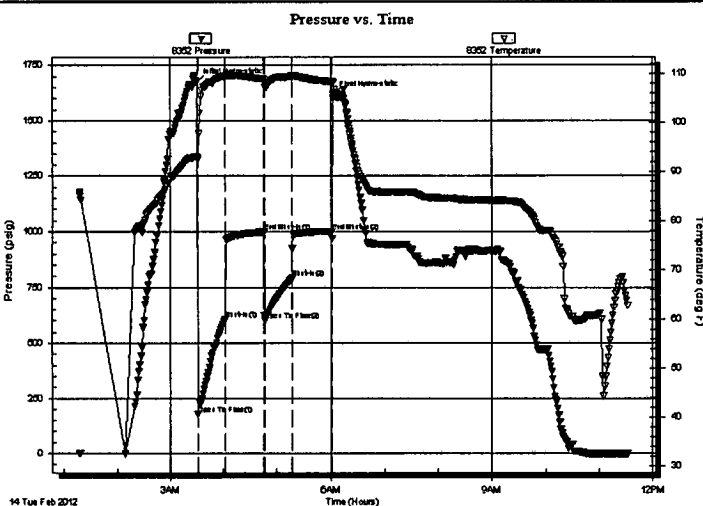
Capacity: 8000.00 psig

Last Calib.: 2012.02.14

Time On Btm: 2012.02.14 @ 03:30:20

Time Off Btm: 2012.02.14 @ 06:02:20

TEST COMMENT: IF:(30min) BOB, 1 min.
ISl:(45min) Return Surface Blow
FF:(30min) BOB, 1 min.
FSl:(45min) Return Surface Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1673.60	93.04	Initial Hydro-static
1	177.93	92.58	Open To Flow (1)
32	606.65	109.57	Shut-In(1)
76	998.14	109.01	End Shut-In(1)
76	600.62	108.23	Open To Flow (2)
107	790.21	109.56	Shut-In(2)
152	1000.16	108.41	End Shut-In(2)
152	1616.71	108.47	Final Hydro-static

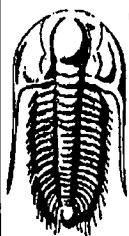
Recovery

Length (ft)	Description	Volume (bbl)
164.00	OSMW o=tr m=20% w=80%	2.30
1684.00	Gas, Oil, Mud & Water	23.62
186.00	CGO g=20% o=80%	2.61
0.00	GIP= 60ft	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco inc.

28-8s-19w Rooks

1327 Noose rd

Veverka C #5

PO Box 458

Job Ticket: 45690

DST#: 1

Hays Ks. 67601

Test Start: 2012.02.14 @ 01:17:05

ATTN: Mike Bair

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: 32000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
164.00	OSMW o=tr m=20% w=80%	2.300
1684.00	Gas, Oil, Mud & Water	23.622
186.00	CGO g=20% o=80%	2.609
0.00	GIP= 60ft	0.000

Total Length: 2034.00 ft

Total Volume: 28.531 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Dropped Bar- % on 1634 ft of Fluid Not Attainable.

Resistivity- .27 @ 51deg = 32000

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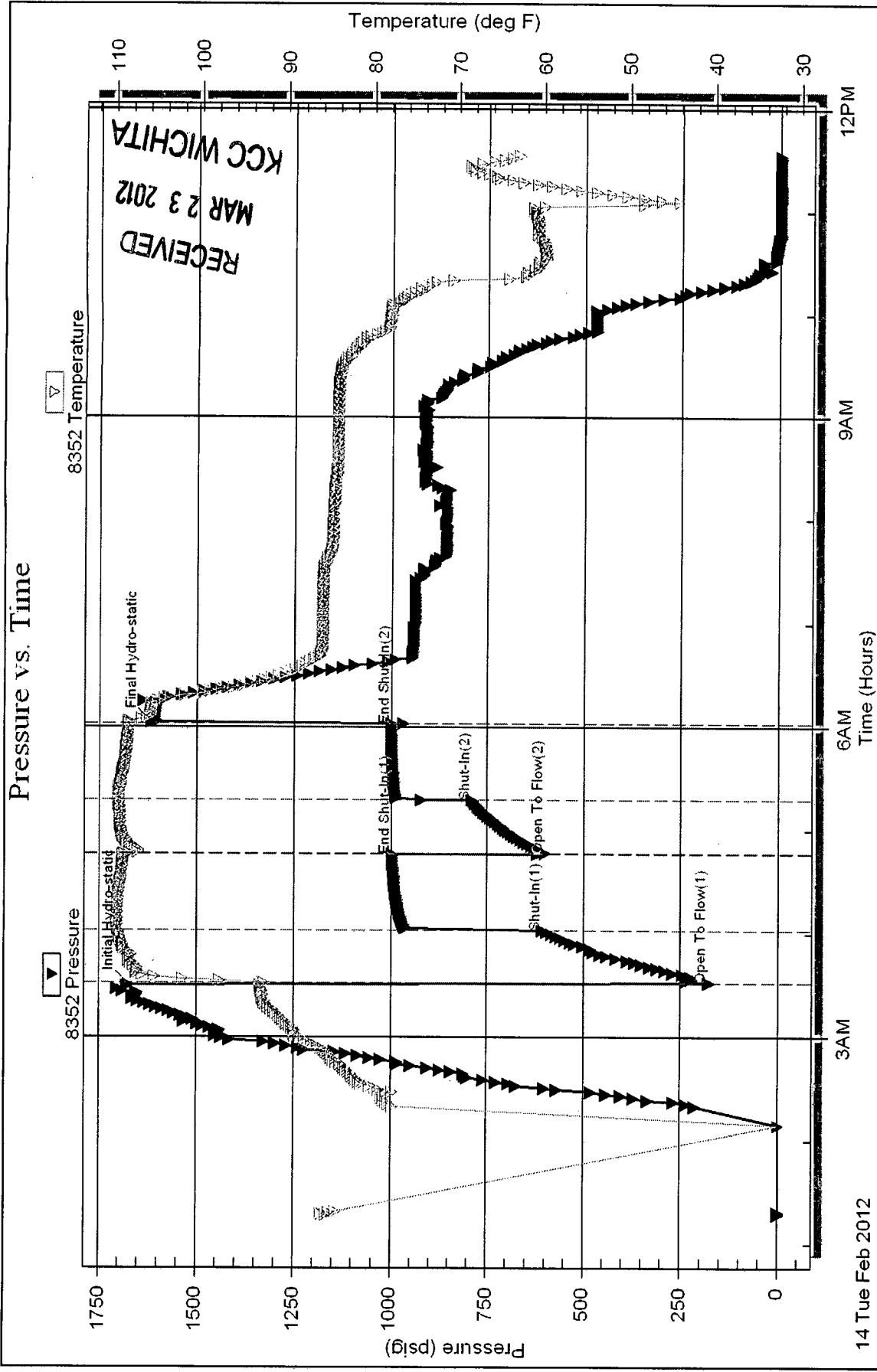
DST Test Number: 1

Veverka C#5

Outside Tengasco inc.

Serial #: 8352

Pressure vs. Time



Printed: 2012.02.14 @ 13:40:08

Ref. No: 45690

Trilobite Testing, Inc