

Kansas Corporation Commission Oil & Gas Conservation Division

1117339

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 #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	Amount of Surface Pipe Set and Cemented at: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet If Alternate II completion, cement circulated from: sx cmt
Operator:	
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth: Original Total Depth: Conv. to ENHR	Chloride content: ppm Fluid volume: bbls Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	QuarterSec TwpS. R East West
ENHR Permit #:	County: Permit #:
GSW Permit #:	
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	

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 Approved by: Date:

Side Two

1117339

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stem time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach com line Logs surveyed. Attach final geological well site report. Drill Stem Tests Taken (Attach Additional Sheets) Samples Sent to Geological Survey Yes No Cores Taken Yes No Electric Log Run Electric Log Submitted Electronically Yes No Electric Log Submitted Electronically	
time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach combine Logs surveyed. Attach final geological well site report. Drill Stem Tests Taken (Attach Additional Sheets) Samples Sent to Geological Survey Yes No Cores Taken Yes No Yes No Yes No Electric Log Run	
(Attach Additional Sheets) Samples Sent to Geological Survey Cores Taken Yes No Electric Log Run Name Top	bottom hole temperature, fluid
Samples Sent to Geological Survey	um Sample
Cores Taken ☐ Yes ☐ No Electric Log Run ☐ Yes ☐ No	Datum
(If no, Submit Copy)	
List All E. Logs Run:	
CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc.	
Purpose of String	Sacks Type and Percent Used Additives
ADDITIONAL CEMENTING / SQUEEZE RECORD	
Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone Depth Top Bottom Type of Cement # Sacks Used Type and Percent	Additives
Shots Per Foot PERFORATION RECORD - Bridge Plugs Set/Type Acid, Fracture, Shot, Cement Squee Specify Footage of Each Interval Perforated (Amount and Kind of Material U	
TUBING RECORD: Size: Set At: Packer At: Liner Run:	
Date of First, Resumed Production, SWD or ENHR. Producing Method: Flowing Pumping Gas Lift Other (Explain)	
Estimated Production Per 24 Hours Oil Bbls. Gas Mcf Water Bbls. Gas-Oil	Ratio Gravity
DISPOSITION OF GAS: METHOD OF COMPLETION: PR	ODUCTION INTERVAL:

ALLIED OIL & GAS SERVICES, LLC 053659

RUSSELL, KANSAS 67	
P.O. BOX 31	REMITTO

10,78P.V	et re dsin t des		X
DISCOUNT I 6 45 61 IF PAID IN 30 DAYS	627/2019	L2112121	EINTED NAME
TOTAL CHARGES 6.582. 22		-4	`χ
SALES TAX (If Any)	ed on the reverse side.	VDITIONS" list	LEKWS VND COL
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PLUG & FLOAT EQUIPMENT			
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TOTAL CHARGES	DIGING AND CONTRACTOR
SALES TAX (If Any)	TERMS AND CONDITIONS. Jisted on the reverse side.
(- V 31) X V & 03 11 2	CONTRACTOR. I have read and understand the "GENERAL
TO/IOI	done to satisfaction and supervision of owner agent or
JATOT	confractor to do work as is listed. The above work was
	and furnish cementer and helper(s) to assist owner or
0	You are hereby requested to rent cementing equipment
• • • • • • • • • • • • • • • • • • •	To Allied Cementing Co., LLC.
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PLUG & FLOAT EQUIPMENT	CITY STATE ZIP
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SEKNICE POINT	

FED CEMENTING CO., LLC. 034497



Deutsch Oil Co.

8100 E 22nd St N

Wichita KS 67226

31-21s-23w Hodgeman Co KS

McGaughey # 1-31

Job Ticket: 45903

DST#: 2

ATTN: Keith Reavis

Test Start: 2012.06.16 @ 05:44:00

GENERAL INFORMATION:

Formation: Mississippi

Whipstock: Deviated: Test Type: Conventional Bottom Hole (Reset) No ft (KB)

Time Tool Opened: 08:25:55 Tester: Will MacLean

Time Test Ended: 14:50:40 Unit No: 40

4604.00 ft (KB) To 4624.00 ft (KB) (TVD) Reference Elevations: Interval: 2366.00 ft (KB) Total Depth: 4624.00 ft (KB) (TVD)

2356.00 ft (CF)

7.88 inches Hole Condition: Poor KB to GR/CF: Hole Diameter: 10.00 ft

Serial #: 8652 Inside

Press@RunDepth: 4606.00 ft (KB) 73.84 psig @ Capacity: 8000.00 psig

Start Date: 2012.06.16 End Date: 2012.06.16 Last Calib.: 2012.06.16 Start Time: 05:44:00 End Time: 14:50:40 Time On Btm: 2012.06.16 @ 08:24:55

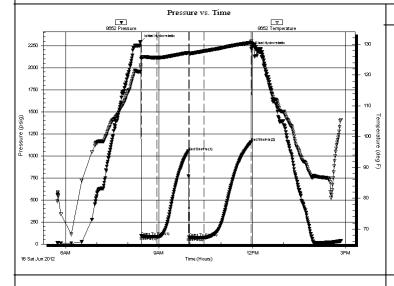
Time Off Btm: 2012.06.16 @ 11:58:09

TEST COMMENT: IF- 2" Blow Chased the Tool to Bottom 5 to 6'

ISI- No Blow

FF- Weak Surface Blow Died in 26min

FSI- No Blow



PRESSURE SUMMARY		
sure	Temp	Annotation

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	2294.59	123.08	Initial Hydro-static
1	90.86	125.41	Open To Flow (1)
31	82.40	125.61	Shut-In(1)
92	1052.34	127.20	End Shut-In(1)
94	76.66	126.95	Open To Flow (2)
123	73.84	127.72	Shut-In(2)
213	1154.53	130.51	End Shut-In(2)
214	2211.21	130.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)		
40.00	100%m with Skim of Oil on Top	0.56		
* Recovery from multiple tests				

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc. Ref. No: 45903 Printed: 2012.06.16 @ 20:14:18



Deutsch Oil Co.

8100 E 22nd St N

Wichita KS 67226

ATTN: Keith Reavis

31-21s-23w Hodgeman Co KS

McGaughey # 1-31

Job Ticket: 45903 **DST#: 2**

Test Start: 2012.06.16 @ 05:44:00

GENERAL INFORMATION:

Formation: Mississippi

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)

Time Tool Opened: 08:25:55

Tester: Will MacLean

Time Test Ended: 14:50:40 Unit No: 40

Interval: 4604.00 ft (KB) To 4624.00 ft (KB) (TVD) Reference Elevations: 2366.00 ft (KB)

Total Depth: 4624.00 ft (KB) (TVD) 2356.00 ft (CF)

Time

Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 10.00 ft

Serial #: 8322 Outside

 Press@RunDepth:
 psig
 @
 4606.00 ft (KB)
 Capacity:
 8000.00 psig

Start Date: 2012.06.16 End Date: 2012.06.16 Last Calib.: 2012.06.16

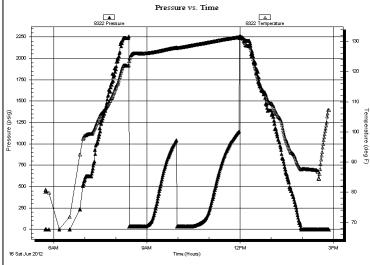
Start Time: 05:44:05 End Time: 14:51:00 Time On Btm: Time Off Btm:

TEST COMMENT: IF- 2" Blow Chased the Tool to Bottom 5 to 6'

ISI- No Blow

FF- Weak Surface Blow Died in 26min

FSI- No Blow



	(Min.)	(psig)	(deg F)	
⊒				
mperatur				
Temperature (deg F)				

PRESSURE SUMMARY

Pressure Temp Annotation

Recovery

Length (ft)	Description	Volume (bbl)	
40.00	100%m with Skim of Oil on Top	0.56	
* Recovery from multiple tests			

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

Trilobite Testing, Inc Ref. No: 45903 Printed: 2012.06.16 @ 20:14:18



FLUID SUMMARY

Deutsch Oil Co.

31-21s-23w Hodgeman Co KS

8100 E 22nd St N Wichita KS 67226 McGaughey # 1-31

Serial #:

Job Ticket: 45903

DST#: 2

ATTN: Keith Reavis

Test Start: 2012.06.16 @ 05:44:00

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil A Pl:deg A PlMud Weight:9.00 lb/galCushion Length:ftWater Salinity:ppm

Mud Weight: 9.00 lb/gal Cushion Length: ft Viscosity: 44.00 sec/qt Cushion Volume: bbl

Water Loss: 11.16 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 3900.00 ppm Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	100%m with Skim of Oil on Top	0.561

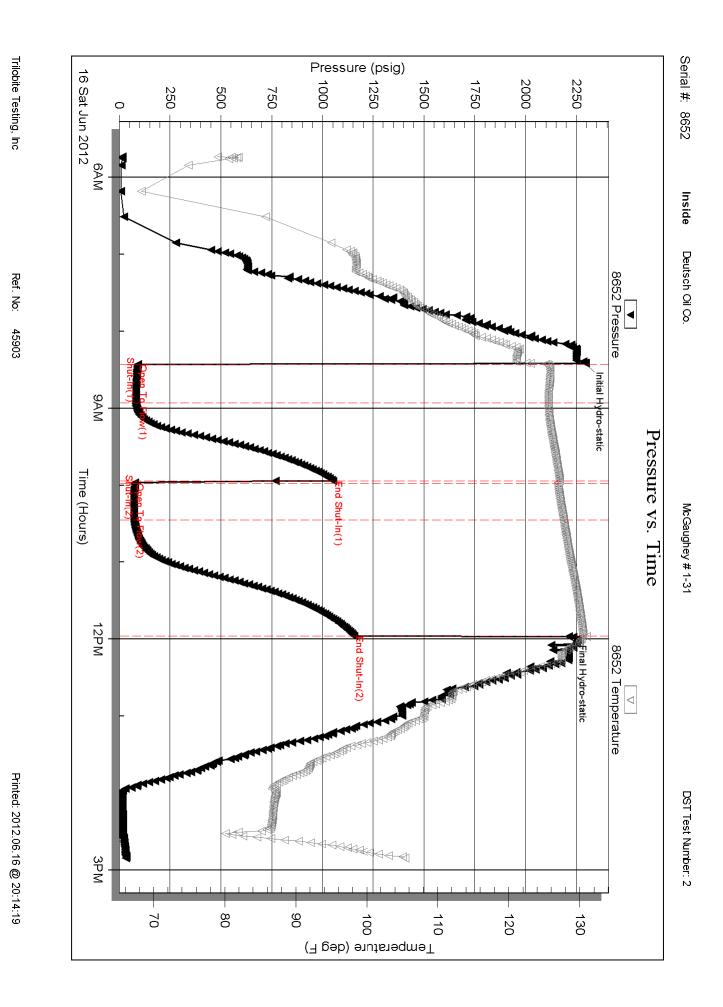
Total Length: 40.00 ft Total Volume: 0.561 bbl

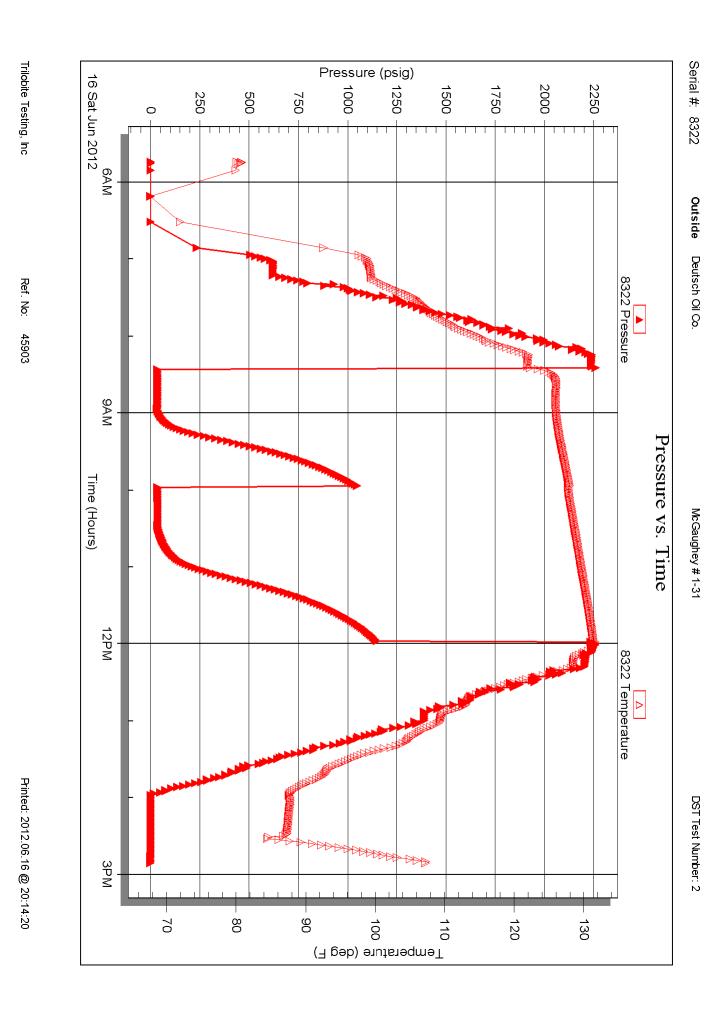
Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 45903 Printed: 2012.06.16 @ 20:14:19







Deutsch Oil Co.

31-21s-23w Hodgeman Co KS

McGaughey # 1-31

Reference Elevations:

Job Ticket: 45902

DST#:1

ATTN: Keith Reavis

8100 E 22nd St N

Wichita KS 67226

Test Start: 2012.06.15 @ 10:50:00

GENERAL INFORMATION:

Formation: Mississippi

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 13:11:10
Time Test Ended: 19:37:55

19:37:55 Unit No: 40

Interval: 4536.00 ft (KB) To 4604.00 ft (KB) (TVD)

Total Depth: 4604.00 ft (KB) (TVD)

2356.00 ft (CF)

Will MacLean

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8652

Inside

76.77 psig @

4539.00 ft (KB)

Capacity:

8000.00 psig

2366.00 ft (KB)

Press@RunDepth: Start Date:

2012.06.15

End Date: 2012.06.15

Last Calib.:

2012.06.15

Start Time:

10:50:00

End Time:

19:37:55 Time On Btm:

2012.06.15 @ 13:08:25

Time Off Btm:

Tester:

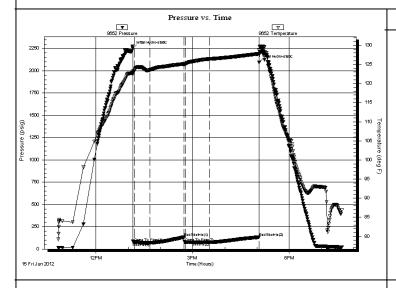
2012.06.15 @ 17:03:54

TEST COMMENT: IF- Weak Surface Blow Built to 3/4"

ISI- No Blow

FF- Weak Surface Blow Died in 8min Flushed Tool at 30min Weak Surface Blow Died in 2min

FSI- No Blow



	PI	KESSUR	E SUMMARY
Time	Pressure	Temp	Annotation
(Min.)	(piaq)	(dea F)	

DDECCLIDE CLIMANADY

(Min.)	(psig)	(deg F)	
0	2251.29	123.14	Initial Hydro-static
3	77.26	123.28	Open To Flow (1)
32	70.07	123.54	Shut-In(1)
96	132.49	125.12	End Shut-In(1)
98	76.71	125.13	Open To Flow (2)
144	76.77	126.43	Shut-In(2)
236	133.80	127.78	End Shut-In(2)
236	2095.80	128.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	GO 5%g 95%oil	0.01
30.00	GOCM 2%g 8%oil 90%m	0.42
-		

Gas Rates

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

Trilobite Testing, Inc Ref. No: 45902 Printed: 2012.06.15 @ 20:36:27



Deutsch Oil Co.

31-21s-23w Hodgeman Co KS

8100 E 22nd St N Wichita KS 67226

Job Ticket: 45902

McGaughey # 1-31

DST#: 1

2366.00 ft (KB)

ATTN: Keith Reavis

Test Start: 2012.06.15 @ 10:50:00

GENERAL INFORMATION:

Formation: Mississippi

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 13:11:10 Tester: Will MacLean

Time Test Ended: 19:37:55 Unit No: 40

Interval: 4536.00 ft (KB) To 4604.00 ft (KB) (TVD) Reference Elevations:

2356.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 8322 Outside

Total Depth:

 Press@RunDepth:
 psig
 @
 4539.00 ft (KB)
 Capacity:
 8000.00 psig

Start Date: 2012.06.15 End Date: 2012.06.15 Last Calib.: 2012.06.15

 Start Time:
 10:50:05
 End Time:
 19:38:15
 Time On Btm:

Time Off Btm:

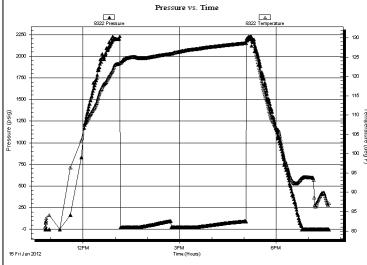
TEST COMMENT: IF- Weak Surface Blow Built to 3/4"

4604.00 ft (KB) (TVD)

ISI- No Blow

FF- Weak Surface Blow Died in 8min Flushed Tool at 30min Weak Surface Blow Died in 2min

FSI- No Blow



	P	KESSUR	E SUMMARY
me	Pressure	Temn	Annotation

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

DDECCLIDE CLIMANA DV

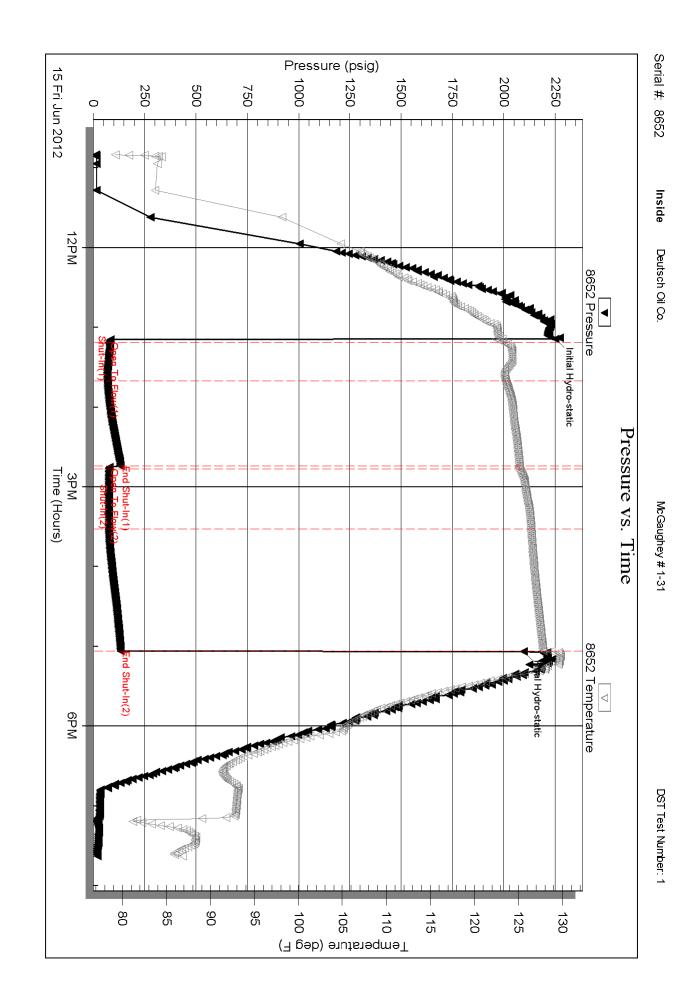
Recovery

Length (ft)	Description	Volume (bbl)
1.00	GO 5%g 95%oil	0.01
30.00	GOCM 2%g 8%oil 90%m	0.42
-		· · · · · · · · · · · · · · · · · · ·

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mct/d)
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Trilobite Testing, Inc Ref. No: 45902 Printed: 2012.06.15 @ 20:36:27



Trilobite Testing, Inc

Ref. No:

45902

Printed: 2012.06.15 @ 20:36:27

