

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Castle Resorces**
Box 87
Schoenchen, KS 67667

ATTN: Jerry Green

Dixon Elliot #1

14-16s-20w Rush,KS

Start Date: 2014.02.02 @ 18:46:59

End Date: 2014.02.03 @ 03:53:58

Job Ticket #: 56181 DST #: 1

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

Printed: 2014.02.04 @ 15:31:44

Castle Resorces
14-16s-20w Rush,KS
Dixon Elliot #1
DST # 1
LKC A,B,& C
2014.02.02



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Castle Resources
Box 87
Schoenchen, KS 67667
ATTN: Jerry Green

14-16s-20w Rush,KS
Dixon Elliot #1
Job Ticket: 56181 **DST#: 1**
Test Start: 2014.02.02 @ 18:46:59

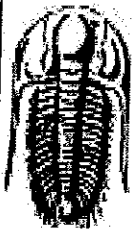
Tool Information

Drill Pipe:	Length: 3523.00 ft	Diameter: 3.80 inches	Volume: 49.42 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: lb
		Total Volume: 49.42 bbl		Tool Chased: ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial lb
Depth to Top Packer:	3515.00 ft			Final lb
Depth to Bottom Packer:	3585.00 ft			
Interval between Packers:	70.00 ft			
Tool Length:	480.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3496.00	
Shut In Tool	5.00			3501.00	
Hydraulic tool	5.00			3506.00	
Packer	4.00			3510.00	20.00 Bottom Of Top Packer
Packer	5.00			3515.00	
Stubb	1.00			3516.00	
Change Over Sub	1.00			3517.00	
Drill Pipe	31.00			3548.00	
Change Over Sub	1.00			3549.00	
Recorder	0.00	8679	Inside	3549.00	
Recorder	0.00	6625	Outside	3549.00	
Perforations	32.00			3581.00	
Blank Off Sub	1.00			3582.00	
Stubb	3.00			3585.00	70.00 Tool Interval
Packer	1.00			3586.00	
Stubb	1.00			3587.00	
Recorder	0.00	8166	Below	3587.00	
Perforations	6.00			3593.00	
Change Over Sub	1.00			3594.00	
Drill Pipe	377.00			3971.00	
Change Over Sub	1.00			3972.00	
Bullnose	3.00			3975.00	390.00 Bottom Packers & Anchor
Total Tool Length:	480.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

Castle Resources

14-16s-20w Rush, KS

Box 87
Schoenchen, KS 67667

Dixon Elliot #1

Job Ticket: 56181

DST#: 1

ATTN: Jerry Green

Test Start: 2014.02.02 @ 18:46:59

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 10.76 in³

Resistivity: ohm.m

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

deg API

Water Salinity:

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl

Total Length:

ft

Total Volume:

bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

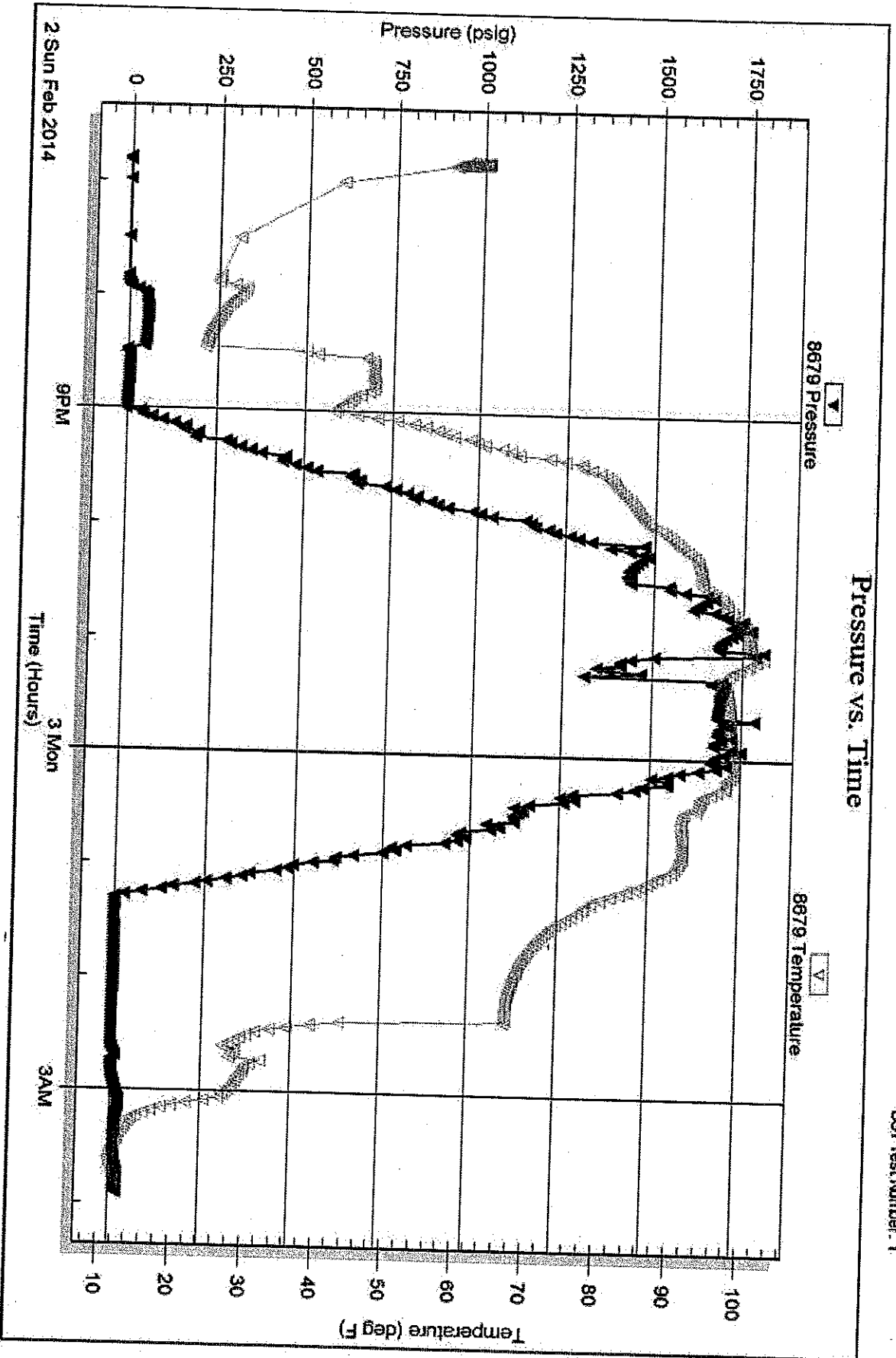
Serial #: 8679

Inside

Castle Resources

Dixon Blvd #1

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 56181

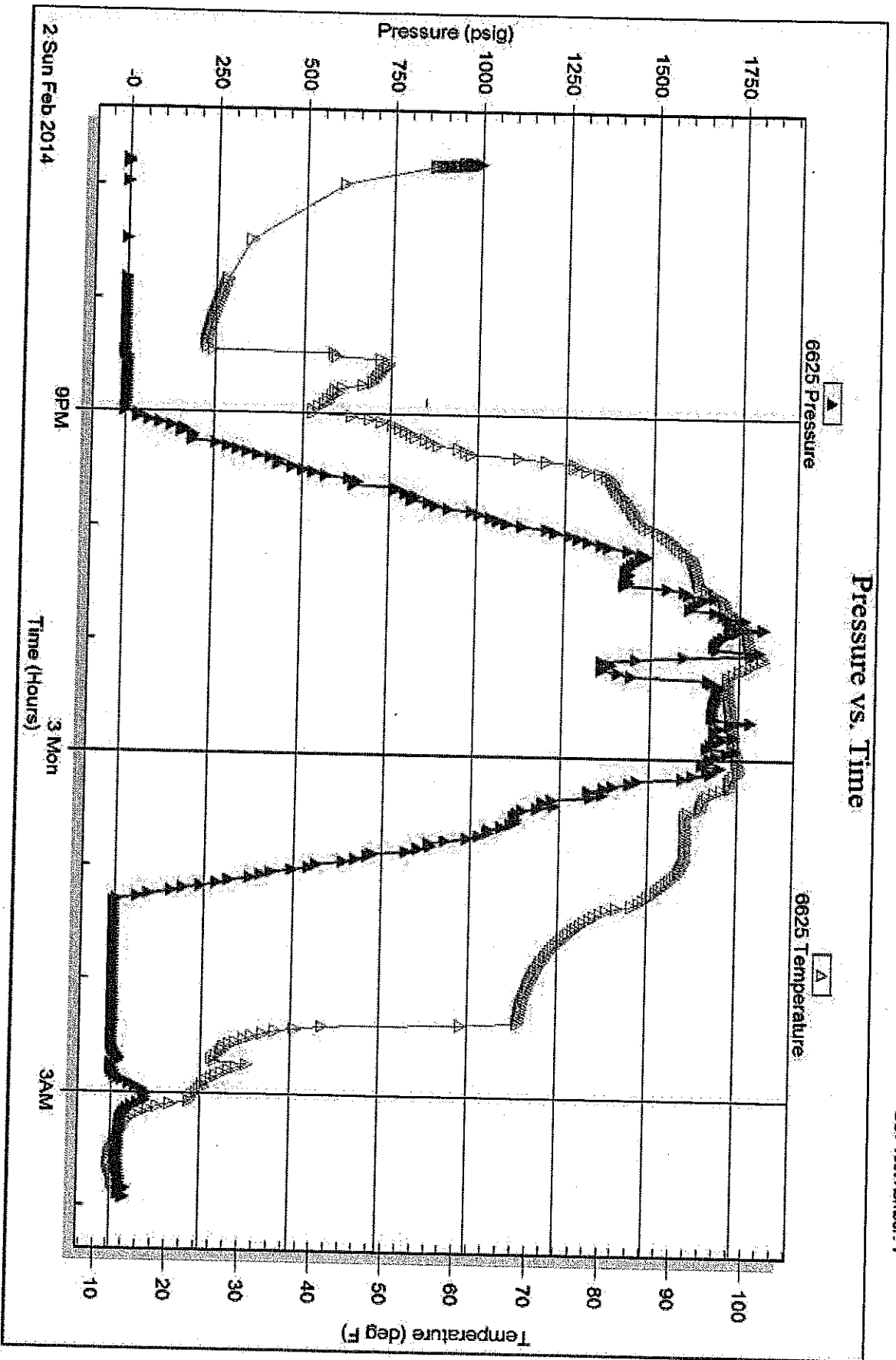
Printed: 2014.02.04 @ 15:31:46

Serial #: 6625

Outside Castle Resources

Dixon Blvd #1

DST Test Number: 1

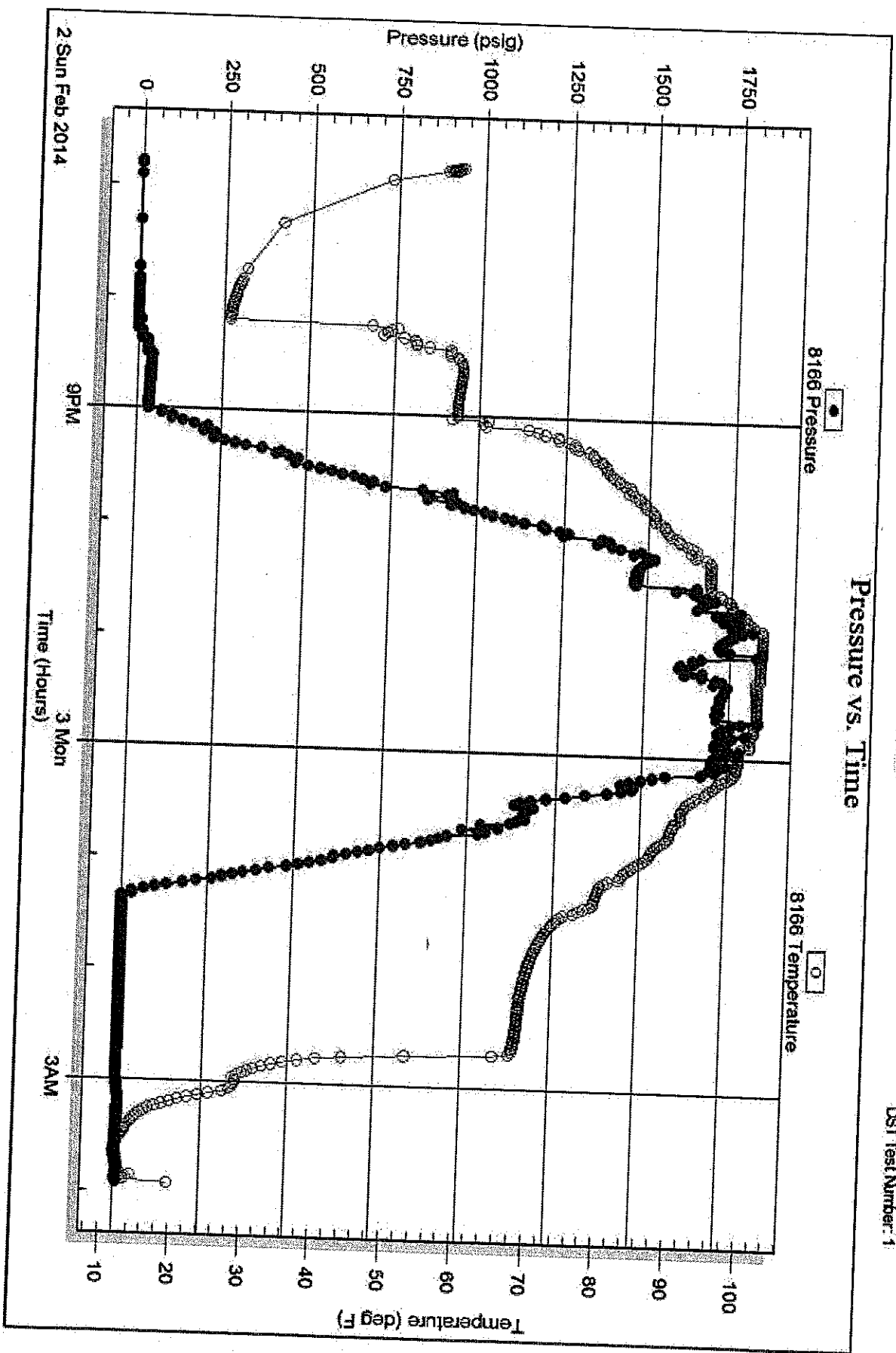


Serial #: 8166

Below (Straddle) Resources

Dixon Blvd #1

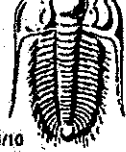
DST Test Number: 1



Tribotek Testing, Inc

Ref. No: 86181

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56181

Well Name & No. Dixon Elliot Well #1 Test No. 1 Date 02/02/2014
 Company Castle Resources Box 87 Schoenoc Elevation 2176 KB 2171 GL
 Address Box 87, Schoenoch, KS 67467
 Co. Rep / Geo. Jerry Green Rig White Knight Rig 2
 Location: Sec. 14 Twp. 16S Rge. 20W Co. Rush State KS

Interval Tested 3515 - 3584 Zone Tested LKC A, B, & C
 Anchor Length 69' Anchor 389 Tail Drill Pipe Run 3523 Mud Wt. 9.5
 Top Packer Depth 3511 Drill Collars Run 0 Vis 49
 Bottom Packer Depth 3515 Wt. Pipe Run 0 WL 10.8
 Total Depth 3584 Chlorides 5000 ppm System LCM 2nd

Blow Description _____

Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total _____ BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic _____ Test 950 _____ T-On Location 1751
 (B) First Initial Flow _____ Jars _____ T-Started 1846
 (C) First Final Flow _____ Safety Joint _____ T-Open 2305
 (D) Initial Shut-In _____ Circ Sub _____ T-Pulled 1230
 (E) Second Initial Flow _____ Hourly Standby _____ T-Out 0355
 (F) Second Final Flow _____ Mileage 62 R/T 96.10 _____ Comments _____
 (G) Final Shut-In _____ Sampler _____ PACKER FAILURE
 (H) Final Hydrostatic _____ Straddle 600 _____ Loaded tools
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Initial Open _____ Extra Packer _____ Sub Total 0
 Initial Shut-In _____ Extra Recorder _____ Total 1646.10
 Final Flow _____ Day Standby _____ MP/DST Disc't _____
 Final Shut-In _____ Accessibility _____
 Sub Total 1646.10

Approved By _____ Our Representative Jim Phillips

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.

SCHIPPER'S OIL FIELD SERVICES, L.L.C.

1200

REMIT TO 18048 170RD
RUSSELL, KS 67665

SERVICE POINT: Russell, KS

DATE <u>2-3-14</u>	SEC. <u>14</u>	TWP. <u>16</u>	RANGE <u>20</u>	CALLED OUT	ON LOCATION	JOB START <u>12:00pm</u>	JOB FINISH <u>1:00pm</u>
LEASE <u>Dillon Elliot</u>	WELL #. <u>1</u>	LOCATION			COUNTY <u>Rush</u>	STATE <u>KS</u>	
OLD OR <u>(NEW)</u> (CIRCLE ONE)							

CONTRACTOR White Knight

TYPE OF JOB Rotary Plug

HOLE SIZE 7 7/8 T.D. 3973

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS _____

DISPLACEMENT _____

OWNER _____

CEMENT AMOUNT ORDERED 3205x 60/40 4% gel

114# F10

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

ASC _____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING _____ @ _____

MILEAGE _____ @ _____

TOTAL _____

EQUIPMENT

PUMP TRUCK # P1 CEMENTER Heath HELPER Cody

BULK TRUCK # B3 DRIVER Eric

BULK TRUCK # _____ DRIVER _____

REMARKS:

1st Plug @ 3888' = 505x

2nd Plug @ 1440' = 505x

3rd Plug @ 900' = 805x

4th Plug @ 500' = 405x

5th Plug @ 250' = 505x

Came out of hole and push wiper plug 60' 205x

RH = 305x

CHARGE TO: Castle Resources

STREET _____

CITY _____ STATE _____ ZIP _____

Schippers Oil Field Services, L.L.C.,
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 Gay Arnold

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

MANIFOLD _____ @ _____

_____ @ _____

TOTAL _____

PLUG & FLOAT EQUIPMENT

_____ @ _____

85lb dry hole plug @ _____

_____ @ _____

_____ @ _____

TOTAL _____

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

