

# GLOBAL CEMENTING, L.L.C.

1368

REMIT TO 18048 170RD  
RUSSELL, KS 67665

SERVICE POINT: Russell, KS

DATE <u>6-21-14</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START <u>1:00am</u>	JOB FINISH <u>2:00am</u>
LEASE <u>Dotcheck</u>	WELL # <u>1</u>	LOCATION			COUNTY <u>Barton</u>	STATE <u>KS</u>	
OLD OR <u>(NEW)</u> (CIRCLE ONE)							

CONTRACTOR Skytop Drilling  
 TYPE OF JOB Longstring  
 HOLE SIZE 7 7/8 T.D. 3400  
 CASING SIZE 5 1/2 DEPTH 3392  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX 1600psi MINIMUM 100psi  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG. 15 FT  
 PERFS  
 DISPLACEMENT 82 3/4 bbl  
 EQUIPMENT

PUMP TRUCK CEMENTER Heath-Cody  
 # P1 HELPER Brad  
 BULK TRUCK  
 # 04 DRIVER Eric  
 BULK TRUCK  
 # DRIVER

REMARKS:

Ran 92 hrs of 5 1/2 casing and landing it  
 est circulation for 1hr and mix 500 gal  
 mud flush - followed by 10 bbl water mix  
 120sv com 10% salt 2% gel 2% plaster - plug  
 RT = 30sv and release plug - displace 10 bbl of  
 H2O with lifting pressure @ 1600psi - plug  
 landed @ 1600psi released and float  
 held

CHARGE TO: Castle Resources  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

Global Cementing, 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. Thank you...

PRINTED NAME \_\_\_\_\_  
 SIGNATURE [Signature]

OWNER \_\_\_\_\_  
 CEMENT  
 AMOUNT ORDERED 150sv com 10% salt  
 2% gel 2% plaster  
 COMMON \_\_\_\_\_ @ \_\_\_\_\_  
 POZMIX \_\_\_\_\_ @ \_\_\_\_\_  
 GEL \_\_\_\_\_ @ \_\_\_\_\_  
 CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_  
 ASC \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 HANDLING \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

SERVICE

DEPTH OF JOB \_\_\_\_\_  
 PUMP TRUCK CHARGE \_\_\_\_\_  
 EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE 21 x 2 @ \_\_\_\_\_  
 MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

5 1/2  
 1- AFU shoe \_\_\_\_\_ @ \_\_\_\_\_  
 1- LD float \_\_\_\_\_ @ \_\_\_\_\_  
 4-cent \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
500 gal mud flush \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

SALES TAX (if Any) \_\_\_\_\_  
 TOTAL CHARGES \_\_\_\_\_  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

# ALLIED OIL & GAS SERVICES, LLC 055361

Federal Tax I.D.# 20-5975804

FTO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
*Russell KS*

DATE <i>6-15-14</i>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
<i>Dolecheck</i>						<i>3:00 AM</i>	<i>3:30 AM</i>
LEASE	WELL# <i>1</i>	LOCATION <i>Beaver LS 3E 1 1/2 N Einto</i>			COUNTY <i>Barber</i>	STATE <i>KS</i>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR *Skytop*  
 TYPE OF JOB *surface*  
 HOLE SIZE *12 1/4* T.D. *356*  
 CASING SIZE *8 7/8 20"* DEPTH *357*  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT *15*  
 CEMENT LEFT IN CSG. *15*  
 PERFS.  
 DISPLACEMENT *7.2 1/4 bbl*

OWNER

CEMENT AMOUNT ORDERED *250 com 39acc 28ozel*

EQUIPMENT

PUMP TRUCK CEMENTER *Robert Y*  
 # *417* HELPER *Kevin R*  
 BULK TRUCK  
 # *410* DRIVER *Tracy J*  
 BULK TRUCK  
 # DRIVER

COMMON *250* @ *17.90* *4475.00*  
 POZMIX @  
 GEL *470"* @ *.24* *112.80*  
 CHLORIDE *70.5* @ *.80* *564.00*  
 ASC @

*Material* @ *5156.80*

*line* @ *289.96*

HANDLING *270.33* *fr* @ *2.48* *670.42*  
 MILEAGE *579.86* *flm* @ *2.60* *1507.63*

TOTAL *7529.85*

REMARKS:

*see log*

*Cement did circulate to surface*

*Thank you!!!*

CHARGE TO: *Castle Resources*  
 STREET  
 CITY STATE ZIP

SERVICE

DEPTH OF JOB *357*  
 PUMP TRUCK CHARGE *1512.25*  
 EXTRA FOOTAGE @  
 MILEAGE *47 LVMI* @ *4.40* *206.80*  
 MANIFOLD @ *275.00* *275.00*  
*94 HVMI* @ *7.70* *723.80*

*line* *1223.97* TOTAL *4895.90*  
~~TOTAL 2717.85~~

PLUG & FLOAT EQUIPMENT

*8 7/8 Wooden plug* @ *110.00* *110.00*

*line* *27.50* TOTAL *110.00*

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)

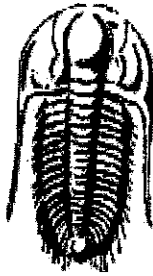
TOTAL CHARGES *10157.70*

DISCOUNT *2539.43* *25%* IF PAID IN 30 DAYS

PRINTED NAME *Thomas Engel*

SIGNATURE *Thomas Engel*

net \$ *7618.27*



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Castle Resources, Inc.**

PO Box 87  
Schoenchen, KS 67667

ATTN: Jerry Green

### **Dolecheck #1**

#### **13-16s-12w Barton,KS**

Start Date: 2014.06.20 @ 03:11:15

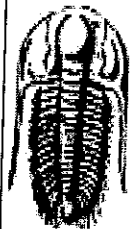
End Date: 2014.06.20 @ 14:22:15

Job Ticket #: 59426                      DST #: 1

Castle Resources, Inc.    13-16s-12w Barton,KS    Dolecheck #1    DST # 1    Reagan Sand    2014.06.20

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

Printed: 2014.06.24 @ 10:24:00



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Castle Resources, Inc.

13-16s-12w Barton,KS

PO Box 87  
Schoenchen, KS 67667

Dolecheck #1

ATTN: Jerry Green

Job Ticket: 59426

DST#: 1

Test Start: 2014.06.20 @ 03:11:15

## GENERAL INFORMATION:

Formation: Reagan Sand

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:12:45

Time Test Ended: 14:22:15

Test Type: Conventional Straddle (Initial)

Tester: Brannan Lonsdale

Unit No: 48

Interval: 3302.00 ft (KB) To 3342.00 ft (KB) (TVD)

Total Depth: 3400.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1892.00 ft (KB)

1885.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8321

Inside

Press@RunDepth: psig @ 3336.00 ft (KB)

Start Date: 2014.06.20

End Date:

2014.06.20

Capacity: 8000.00 psig

Start Time: 03:11:16

End Time:

14:22:15

Last Calib.:

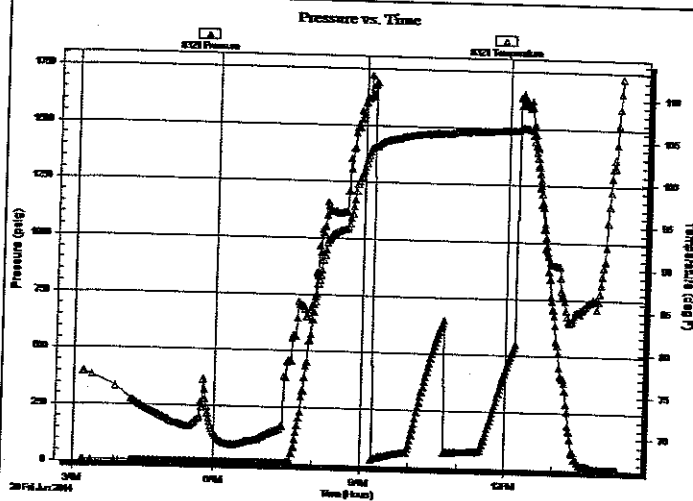
2014.06.20

Time On Btm:

Time Off Btm:

TEST COMMENT: 45- IF- Slow ly built to 3"  
45- IS- No blow  
45- FF- Slow ly built to 1 1/2"  
45- FS- No blow

## PRESSURE SUMMARY



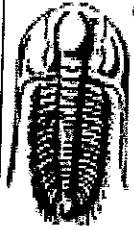
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

## Recovery

Length (ft)	Description	Volume (bbl)
100.00	OCM, 20%O 80%M	0.61
0.00	10' GIP	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

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

**13-16s-12w Barton,KS**  
**Dolecheck #1**  
Job Ticket: 59426      **DST#: 1**  
Test Start: 2014.06.20 @ 03:11:15

**Tool Information**

Drill Pipe:	Length: 3211.00 ft	Diameter: 3.75 inches	Volume: 43.86 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 87.00 ft	Diameter: 2.25 inches	Volume: 0.43 bbl	Weight to Pull Loose: 51000.00 lb
		<b>Total Volume:</b>	- bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3302.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	3342.00 ft			
Interval between Packers:	40.00 ft			
Tool Length:	124.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

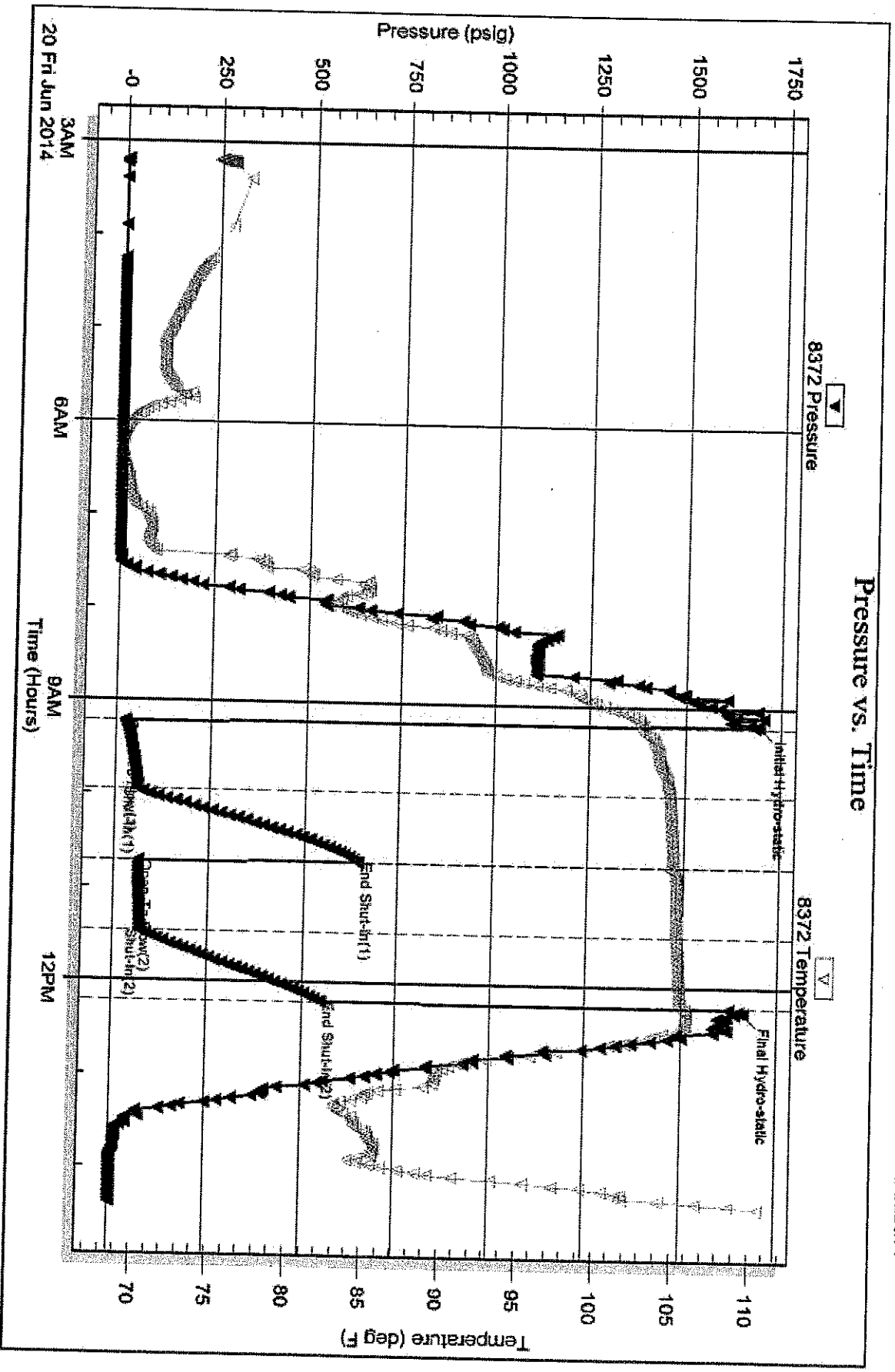
**Tool Description**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3276.00	
Shut In Tool	5.00			3281.00	
Hydraulic tool	5.00			3286.00	
Jars	5.00			3291.00	
Safety Joint	2.00			3293.00	
Packer	5.00			3298.00	27.00
Packer	4.00			3302.00	Bottom Of Top Packer
Stubb	1.00			3303.00	
Perforations	1.00			3304.00	
Change Over Sub	1.00			3305.00	
Drill Pipe	30.00			3335.00	
Change Over Sub	1.00			3336.00	
Recorder	0.00	8321	Inside	3336.00	
Recorder	0.00	8372	Outside	3336.00	
Perforations	2.00			3338.00	
Blank Off Sub	1.00			3339.00	
Blank Spacing	3.00			3342.00	40.00
Packer	1.00			3343.00	Tool Interval
Stubb	1.00			3344.00	
Perforations	18.00			3362.00	
Change Over Sub	1.00			3363.00	
Recorder	0.00	8647	Below	3363.00	
Drill Pipe	32.00			3395.00	
Change Over Sub	1.00			3396.00	
Bullnose	3.00			3399.00	57.00
<b>Total Tool Length:</b>	<b>124.00</b>				Bottom Packers & Anchor

Serial #: 8372      Outside      Castle Resources, Inc.

Dolecheck #1

DST Test Number: 1

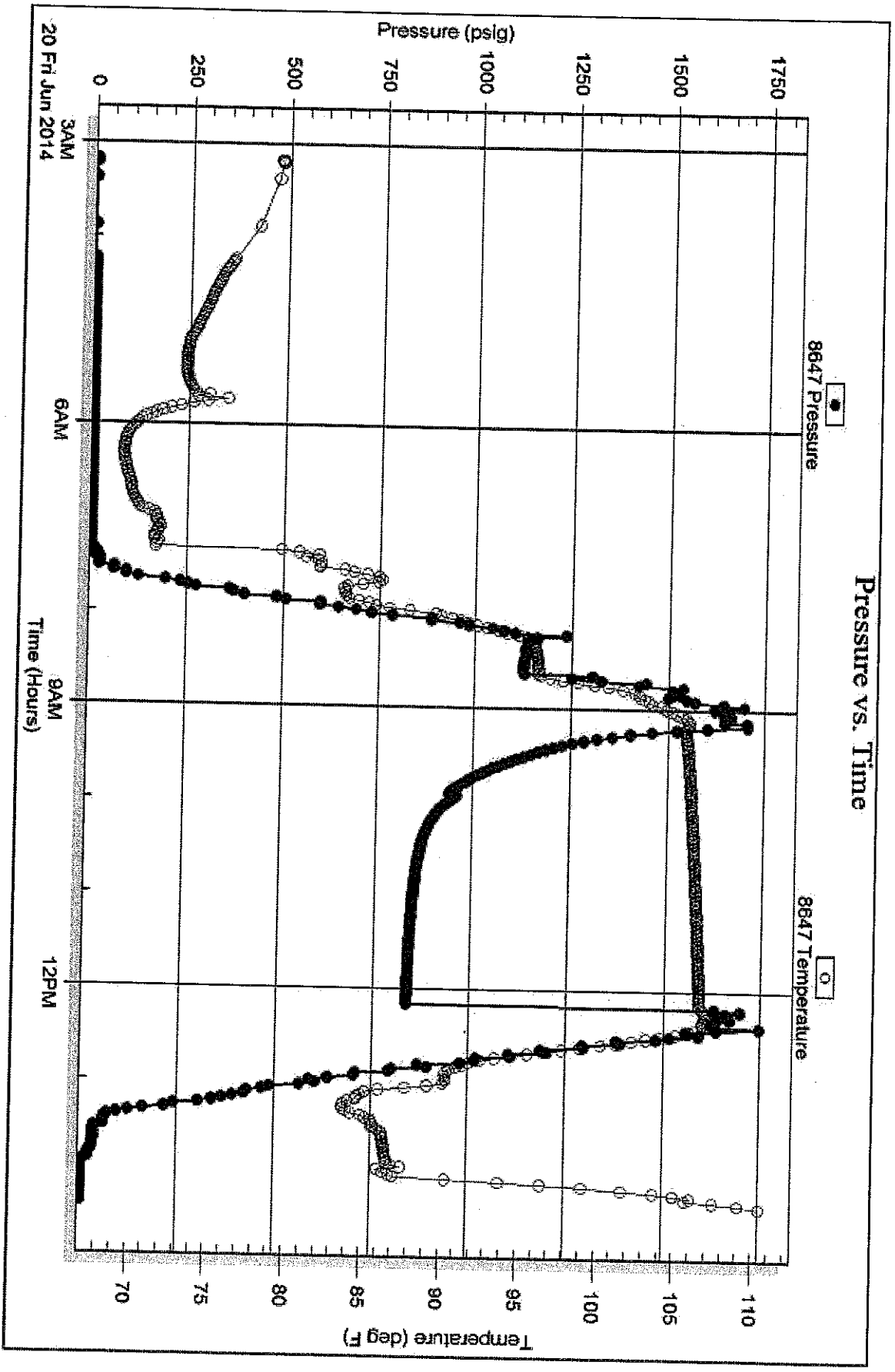


Serial #: 8647

Below (Str-Galleg) Resources, Inc.

Dolecheck #1

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 59426

Printed: 2014.06.24 @ 10:24:01



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 59426

Well Name & No. Dolecheck #1 Test No. 1 Date 6/20/14  
 Company Castle Resources, Inc. Elevation 1890 KB 1885 GL  
 Address PO Box 87 Schranchen, KS 67667  
 Co. Rep / Geo. Jerry Green Rig sky top  
 Location: Sec. 13 Twp. 16S Rge. 12.W Co. Barton State KS

Interval Tested 3302-3342 Zone Tested Reagan Sand  
 Anchor Length 40' Tail: 57' Drill Pipe Run 3211 Mud Wt. 9.3  
 Top Packer Depth 3297 Drill Collars Run 87 Vis 48  
 Bottom Packer Depth 3302 Wt. Pipe Run \_\_\_\_\_ WL 10.4  
 Total Depth 3342 Chlorides 5000 ppm System LCM 2<sup>++</sup>  
 Blow Description IF - slowly built to 3"  
ISI - No blow  
FF - slowly built to 1 1/2"  
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>100'</u>	<u>OCM</u>		<u>20</u>		<u>80</u>
Rec	Feet of <u>10' AIP</u>	%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

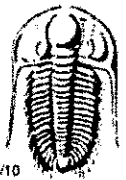
Rec Total 100' BHT 106° Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic <u>1693</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>0229</u>
(B) First Initial Flow <u>22</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>0311</u>
(C) First Final Flow <u>59</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>0912</u>
(D) Initial Shut-In <u>647</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>1212</u>
(E) Second Initial Flow <u>64</u>	<input checked="" type="checkbox"/> Hourly Standby <u>2h 200</u>	T-Out <u>1422</u>
(F) Second Final Flow <u>70</u>	<input checked="" type="checkbox"/> Mileage <u>116 RT 179.80</u>	Comments _____
(G) Final Shut-In <u>549</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>1663</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>45</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby _____	Total <u>2454.80</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>2454.80</u>	

Approved By \_\_\_\_\_ Our Representative Brennan Lonsdale

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. 59426

Well Name & No. Dolecheck #1 Test No. 1 Date 6/20/14  
 Company Castle Resources, Inc. Elevation 1892 KB 1885 GL  
 Address PO Box 87 Schoonchen, KS 67667  
 Co. Rep / Geo. Jerry Green Rig sky top  
 Location: Sec. 13 Twp. 16S Rge. 12W Co. Barton State KS

Interval Tested 3302-3342 Zone Tested Reagan Sand  
 Anchor Length 40' Tail: 57' Drill Pipe Run 3211 Mud Wt. 9.3  
 Top Packer Depth 3297 Drill Collars Run 87 Vis 48  
 Bottom Packer Depth 3302 Wt. Pipe Run \_\_\_\_\_ WL 10.4  
 Total Depth 3342 Chlorides 5000 ppm System LCM 2<sup>+</sup>

Blow Description IF - slowly built to 3"  
BFI - No blow  
FF - slowly built to 1 1/2"  
FBI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>150'</u>	<u>OCM</u>	<u>20</u>		<u>80</u>	
Rec	Feet of <u>10' AIP</u>				
Rec	Feet of _____				
Rec	Feet of _____				
Rec	Feet of _____				

Rec Total 100' BHT 106° Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1693  Test 1150 T-On Location 0229  
 (B) First Initial Flow 22  Jars 250 T-Started 0311  
 (C) First Final Flow 59  Safety Joint 75 T-Open 0912  
 (D) Initial Shut-In 647  Circ Sub \_\_\_\_\_ T-Pulled 1212  
 (E) Second Initial Flow 64  Hourly Standby 2h 200 T-Out 1422  
 (F) Second Final Flow 70  Mileage 116 RT 179.80 Comments \_\_\_\_\_  
 (G) Final Shut-In 549  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1663  Straddle 600

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 2454.80

Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Sub Total 0  
 Total 2454.80  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Brian Lonsdale  
 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.

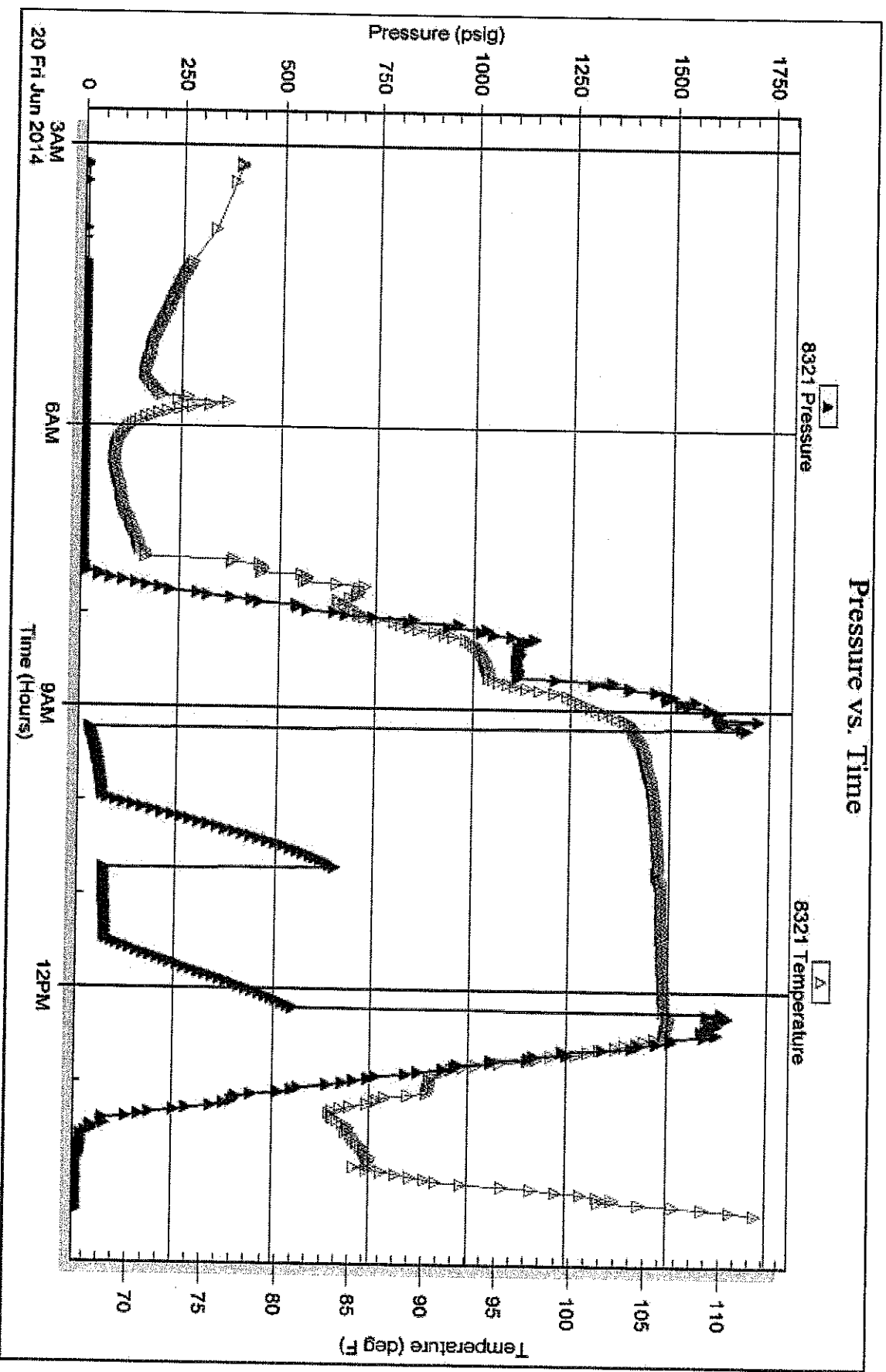
Serial #: 8321

Inside

Castle Resources, Inc.

Detectack #1

DS1 Test Number: 1



Thibault Testing, Inc

Ref. No: 59426

Printed: 2014.06.24 @ 10:24:01



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

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

**13-16s-12w Barton, KS**  
**Dolecheck #1**  
Job Ticket: 59426      **DST#: 1**  
Test Start: 2014.06.20 @ 03:11:15

## 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: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.39 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	OCM, 20%O 80%M	0.605
0.00	10' GIP	0.000

Total Length: 100.00 ft      Total Volume: 0.605 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:



# TRILOBITE TESTING, INC.

## DRILL STEM TEST REPORT

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

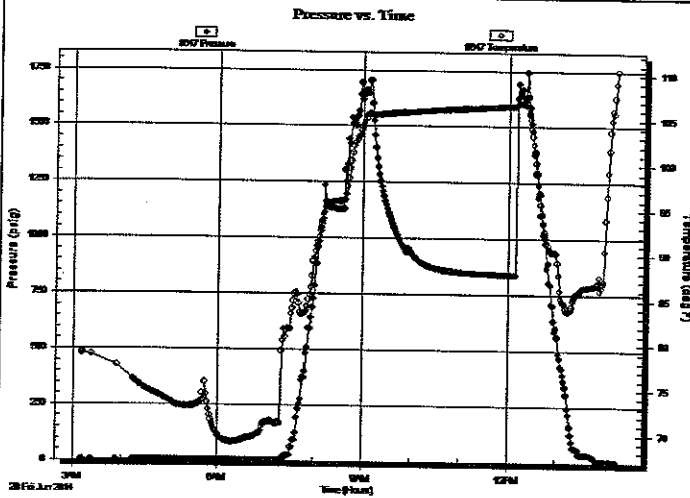
**13-16s-12w Barton, KS**  
**Dolecheck #1**  
Job Ticket: 59426 **DST#: 1**  
Test Start: 2014.06.20 @ 03:11:15

### GENERAL INFORMATION:

Formation: **Reagan Sand**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Straddle (Initial)  
 Time Tool Opened: 09:12:45 Tester: Brannan Lonsdale  
 Time Test Ended: 14:22:15 Unit No: 48  
 Interval: **3302.00 ft (KB) To 3342.00 ft (KB) (TVD)**  
 Total Depth: 3400.00 ft (KB) (TVD) Reference Elevations: 1892.00 ft (KB)  
 1885.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 7.00 ft

**Serial #: 8647 Below (Straddle)**  
 Press@RunDepth: psig @ 3363.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.06.20 End Date: 2014.06.20 Last Calib.: 2014.06.20  
 Start Time: 03:10:36 End Time: 14:19:05 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** 45- IF- Slowly built to 3"  
 45- IS- No blow  
 45- FF- Slowly built to 1 1/2"  
 45- FS- No blow



### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
100.00	OCM, 20%O 80%M	0.61
0.00	10' GIP	0.00

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Castle Resources, Inc.

13-16s-12w Barton,KS

PO Box 87  
Schoenchen, KS 67667

Dolecheck #1

Job Ticket: 59426

DST#: 1

ATTN: Jerry Green

Test Start: 2014.06.20 @ 03:11:15

## GENERAL INFORMATION:

Formation: Reagan Sand

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:12:45

Time Test Ended: 14:22:15

Test Type: Conventional Straddle (Initial)

Tester: Brannan Lonsdale

Unit No: 48

Interval: 3302.00 ft (KB) To 3342.00 ft (KB) (TVD)

Reference Elevations: 1892.00 ft (KB)

Total Depth: 3400.00 ft (KB) (TVD)

1885.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

Serial #: 8372 Outside

Press@RunDepth: 69.66 psig @ 3336.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.06.20

End Date:

2014.06.20

Last Calib.: 2014.06.20

Start Time: 03:11:16

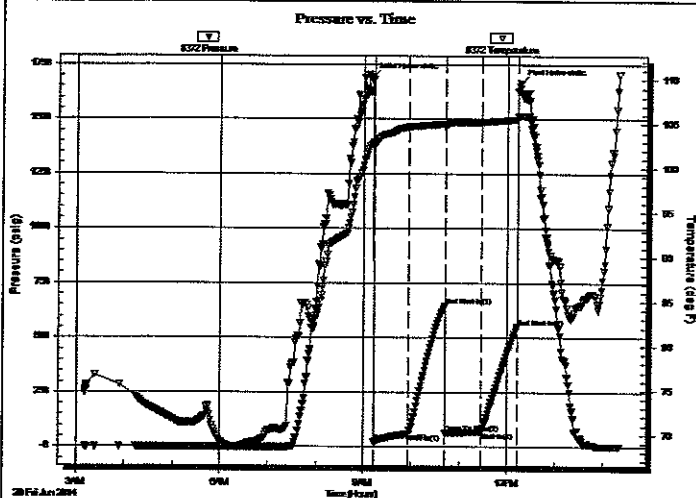
End Time:

14:22:15

Time On Btm: 2014.06.20 @ 09:10:45

Time Off Btm: 2014.06.20 @ 12:15:45

TEST COMMENT: 45- IF- Slowly built to 3"  
45- IS- No blow  
45- FF- Slowly built to 1 1/2"  
45- FS- No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1692.64	102.77	Initial Hydro-static
2	22.16	102.62	Open To Flow (1)
46	59.11	104.65	Shut-In(1)
92	647.20	104.95	End Shut-In(1)
92	64.24	104.64	Open To Flow (2)
137	69.66	105.22	Shut-In(2)
182	549.15	105.49	End Shut-In(2)
185	1662.53	105.89	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
100.00	OCM, 20%O 80%M	0.61
0.00	10' GIP	0.00

## Gas Rates

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