

GLOBAL CEMENTING, L.L.C.

1340

REMIT TO 18048 170RD
RUSSELL, KS 67665

SERVICE POINT: Russell, KS

DATE <u>5-22-14</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START <u>2:30am</u>	JOB FINISH <u>3:00am</u>
LEASE <u>Hudley</u>	WELL #. <u>1</u>	LOCATION			COUNTY <u>Ellis</u>	STATE <u>KS</u>	
OLD OR <u>(NEW)</u> (CIRCLE ONE)							

CONTRACTOR Skytop Drilling

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 223

CASING SIZE 8 5/8 DEPTH 21860

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 20 ft

PERFS

DISPLACEMENT

EQUIPMENT

PUMP TRUCK CEMENTER Heath

P1 HELPER Cody

BULK TRUCK

B4 DRIVER Brad - Eric

BULK TRUCK

DRIVER

OWNER

CEMENT AMOUNT ORDERED 150sx com 3% CC

2% gel

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

HANDLING @

MILEAGE @

TOTAL

REMARKS:

Run 5 JTS of 8 5/8 casing and landing it

Est Circulation with mud pump

Hook up and mix 150sx cement and disp

12 3/4 bbl H2O - Shul in @ 200 psi

Cement Ad Circulate

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.

PRINTED NAME Thomas Engel

SIGNATURE Thomas Engel

Thank you good job

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE 12 x 2 @

MANIFOLD @

TOTAL

PLUG & FLOAT EQUIPMENT

@

@

@

@

@

TOTAL

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Fax 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 134

Date	Sec.	Twp.	Range	County	State	On Location	Finish
5-29-14	32	11	12	ELLIS	KANSAS		4:00 PM

Location I-70 - Toulon EXIT No TO OPEN

Lease	Well No.	Owner	
<u>HADLEY</u>	<u>#1</u>	<u>RANGE WEST @ GATE & 1/2 NE 1/4</u>	
Contractor	DAIG. Rig #	To Quality Oilwell Cementing, Inc.	
<u>SKY TOP</u>	<u>#1</u>	You are hereby requested to rent cementing equipment and furnish	
Type Job		cement and helper to assist owner or contractor to do work as listed.	
<u>PRODUCTION STRING w/ P.C. Tool</u>			
Hole Size	T.D.	Charge To	
<u>7 7/8</u>	<u>3685'</u>	<u>CASTLE RESOURCES INC.</u>	
Csg.	Depth	Street	
<u>5 1/2 New</u>	<u>3683'</u>		
Tbg. Size	Depth	City	
<u>14 # CSG.</u>		State	
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.	
<u>LATCH DOWN PLUG ASSY</u>	<u>3667'</u>		
Cement Left in Csg.	Shoe Joint	Cement Amount Ordered	
<u>16" 10'</u>	<u>16 FT</u>	<u>180 SX Q-PRO-C</u>	
Meas Line	Displace	<u>10% salt 5% gilsonite</u>	
	<u>89.48 BBL</u>	Common <u>180 pro-c</u>	

EQUIPMENT

Pumptrk	No.	Cementer		Poz. Mix
		Helper	<u>Glen G.</u>	
Bulktrk	No.	Driver	<u>COY B.</u>	Gel.
		Driver	<u>DOUG H.</u>	Calcium
Bulktrk	No.	Driver		
		Driver		

JOB SERVICES & REMARKS

Remarks:	Hulls
	Salt <u>16</u>
Rat Hole	Flowseal
<u>RAT</u> Hole <u>30 SX</u>	Kol-Seal <u>900#</u>
Centralizers <u>1, 3, 5, 5'</u>	Mud CLR 48 <u>X 500 Gal</u>
Baskets <u>56</u>	CFL-117 or CD110 CAF 38
D/V of Port Collar <u>56 @ 1344</u>	Sand
	Handling <u>205</u>
	Mileage

Run 88 New JOINTS OF 14" CSG.
Set @ 3683, Received Circ-
ulation, DROP AFW Ball,
Circulate 3/4 HR, oil Bottom.

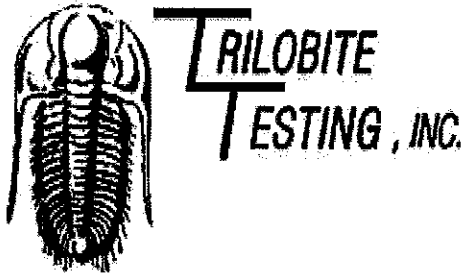
FLOAT EQUIPMENT

Pump 500 GAL Mud-Flush,	Guide Shoe X <u>1</u> Port Collar
Mixed 150 SX Q-PRO-C.	Centralizer X <u>(4)</u> TURBO
Clear Line, Release LATCH	Baskets X <u>(1)</u>
DN. Plug. + Displace 89.2 BBL	AFU Inserts
H ₂ O, LAND Plug @ 1400 #	Float Shoe X <u>(1)</u>
Release Pressure & FLOAT-Plug-	Latch Down X <u>(1)</u>
HebD.	Pumptrk Charge <u>prod string</u>
	Mileage <u>15</u>

THANK'S

X Signature [Signature]

Tax
Discount
Total Charge



DRILL STEM TEST REPORT

Prepared For: **Castle Resources Inc**

PO Box 87
Schoenchen KS 67667-0087

ATTN: Jerry Green

Hadley #1

32-11s-17w Ellis,KS

Start Date: 2014.05.28 @ 04:58:00

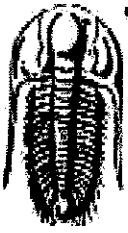
End Date: 2014.05.28 @ 10:48:00

Job Ticket #: 58872 DST #: 1

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

Printed: 2014.05.29 @ 14:19:43

Castle Resources Inc 32-11s-17w Ellis,KS Hadley #1 DST # 1 Arbuckle 2014.05.28



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Castle Resources Inc
 PO Box 87
 Schoenchen KS 67667-0087
 ATTN: Jerry Green

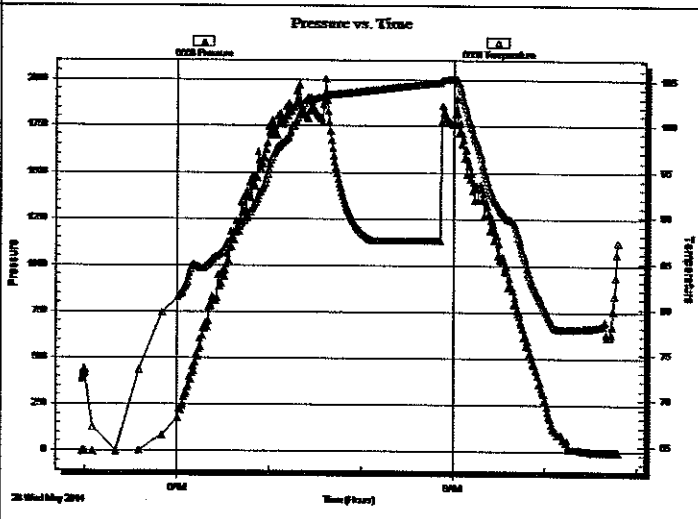
32-11s-17w Ellis,KS
Hadley #1
 Job Ticket: 58872 **DST#: 1**
 Test Start: 2014.05.28 @ 04:58:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:37:00
 Time Test Ended: 10:48:00
 Test Type: Conventional Straddle (Initial)
 Tester: Jim Svaty
 Unit No: 76
 Interval: **3578.00 ft (KB) To 3620.00 ft (KB) (TVD)**
 Total Depth: 3685.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Reference Elevations: 2107.00 ft (KB)
 2102.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6668 Below (Straddle)
 Press@RunDepth: psig @ 3623.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.05.28 End Date: 2014.05.28 Last Calib.: 2014.05.28
 Start Time: 04:58:02 End Time: 10:47:45 Time On Btm:
 Time Off Btm:

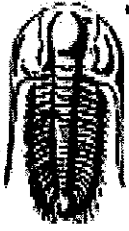
TEST COMMENT: 30-IFP- 1/4in. Blow Died in 13 min.
 30-ISIP- No Blow
 15-FFP- Good Surge on Open No Blow
 Pulled



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

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

TOOL DIAGRAM

Castle Resources Inc
PO Box 87
Schoenchen KS 67667-0087

ATTN: Jerry Green

32-11s-17w Ellis,KS
Hadley #1
Job Ticket: 58872 **DST#: 1**
Test Start: 2014.05.28 @ 04:58:00

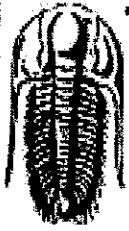
Tool Information

Drill Pipe:	Length: 3435.00 ft	Diameter: 3.80 inches	Volume: 48.18 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: 25000.00 lb
Drill Collar:	Length: 145.00 ft	Diameter: 2.25 inches	Volume: 0.71 bbl	Weight to Pull Loose: 57000.00 lb
			Total Volume: 48.89 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	3578.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	3620.00 ft			
Interval between Packers:	42.00 ft			
Tool Length:	128.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3558.00	
Shut In Tool	5.00			3563.00	
Hydraulic tool	5.00			3568.00	
Packer	5.00			3573.00	21.00 Bottom Of Top Packer
Packer	5.00			3578.00	
Stubb	1.00			3579.00	
Perforations	3.00			3582.00	
Change Over Sub	1.00			3583.00	
Recorder	0.00	8789	Inside	3583.00	
Recorder	0.00	8289	Outside	3583.00	
Blank Spacing	31.00			3614.00	
Change Over Sub	1.00			3615.00	
Perforations	1.00			3616.00	
Blank Off Sub	1.00			3617.00	
Blank Spacing	3.00			3620.00	42.00 Tool Interval
Packer	1.00			3621.00	
Perforations	1.00			3622.00	
Change Over Sub	1.00			3623.00	
Recorder	0.00	6668	Below	3623.00	
Blank Spacing	62.00			3685.00	65.00 Bottom Packers & Anchor

Total Tool Length: 128.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Castle Resources Inc
PO Box 87
Schoenchen KS 67667-0087
ATTN: Jerry Green

32-11s-17w Ellis,KS
Hadley #1
Job Ticket: 58872 **DST#: 1**
Test Start: 2014.05.28 @ 04:58:00

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: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.12 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8000.00 ppm			
Filter Cake: 2.50 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100%	0.025

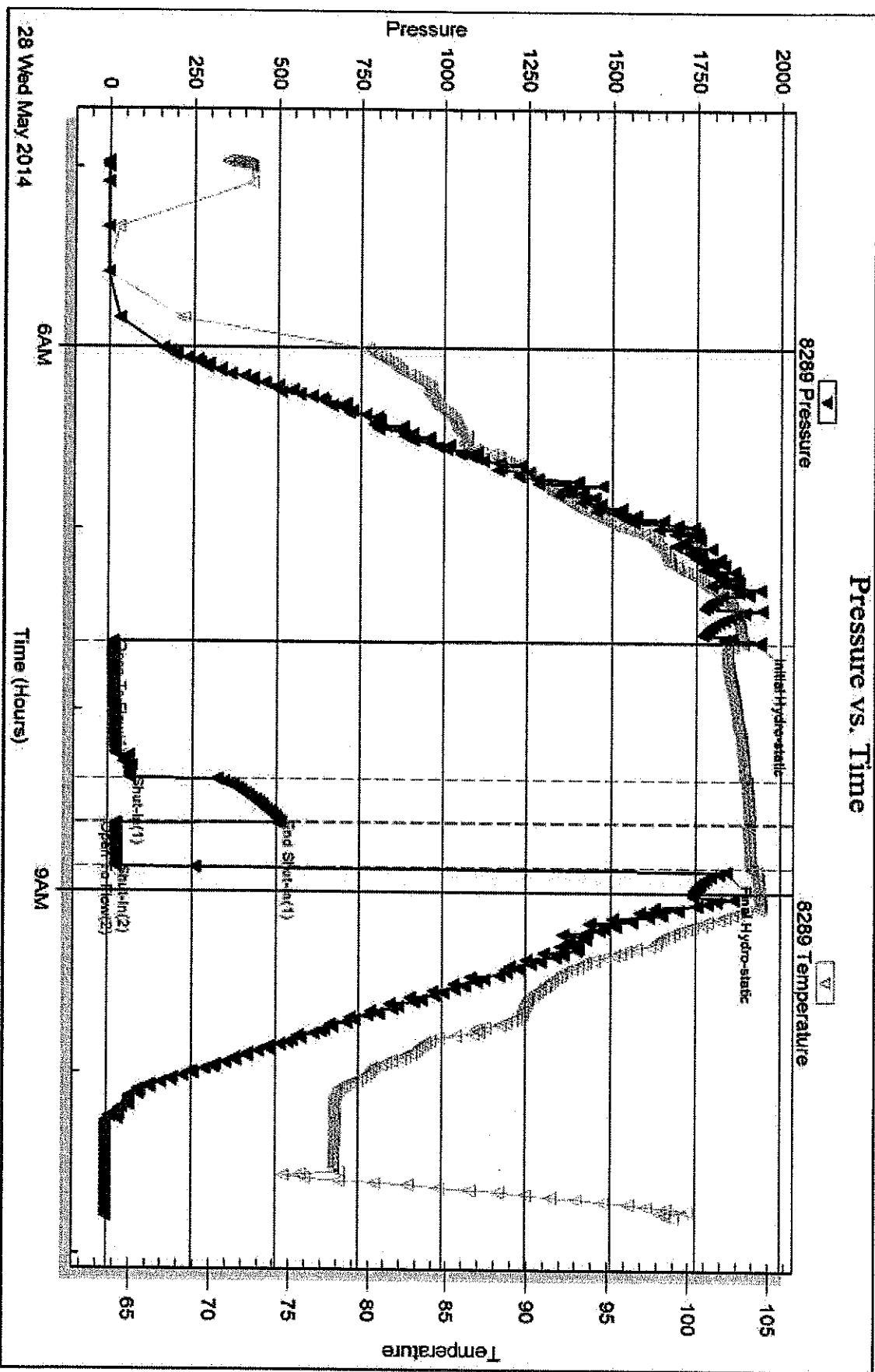
Total Length: 5.00 ft Total Volume: 0.025 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8289

Outside Castle Resources Inc

Headley #1

DST Test Number: 1



Treoble Testing, Inc

Ref. No: 58872

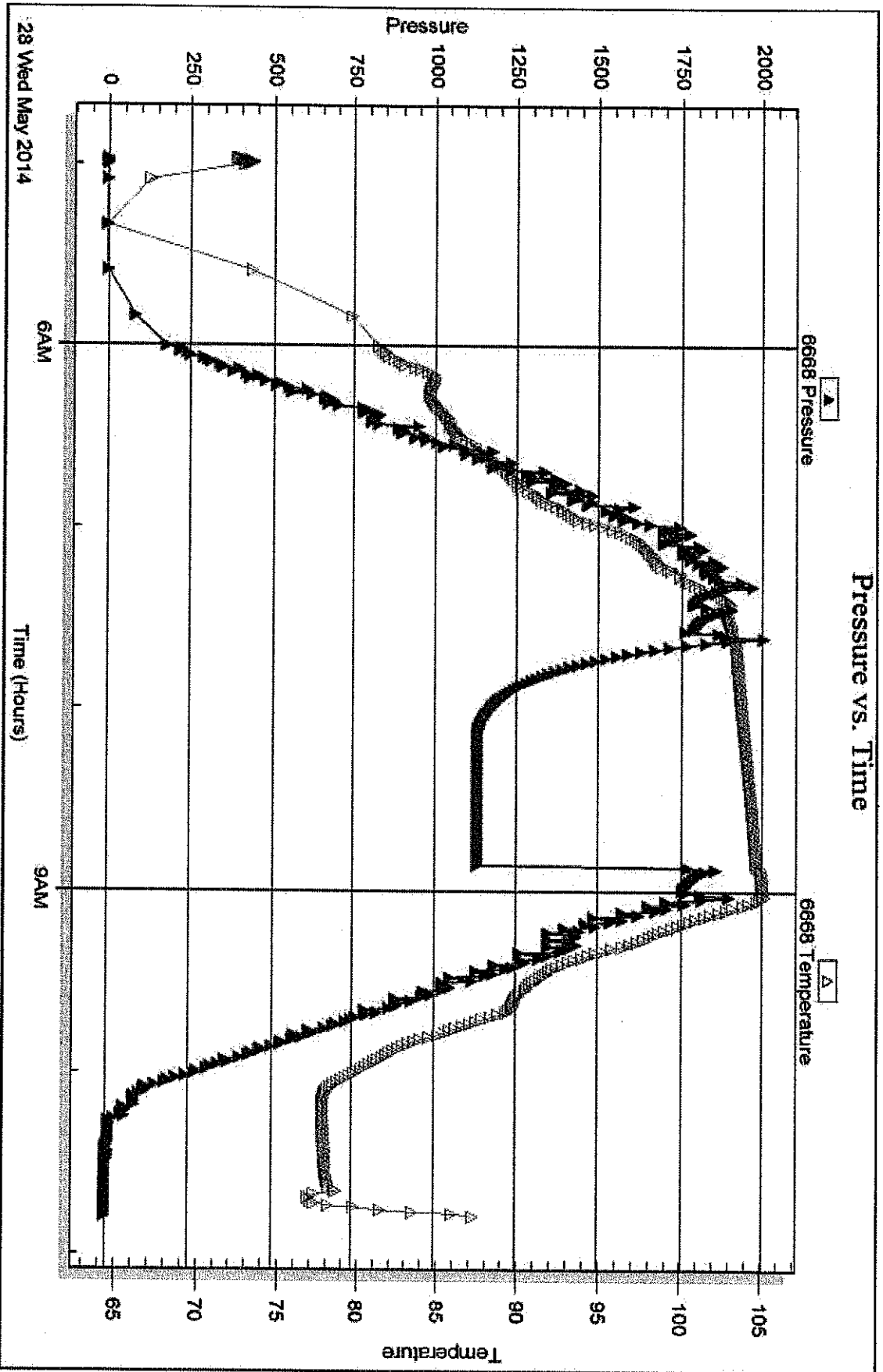
Printed: 2014.05.29 @ 14:19:44

Serial #: 6668

Below (Stratified) Resources Inc

Hadley #1

DST Test Number: 1



Throttle Testing, Inc

Ref. No: 58872

Printed: 2014.05.29 @ 14:15:44

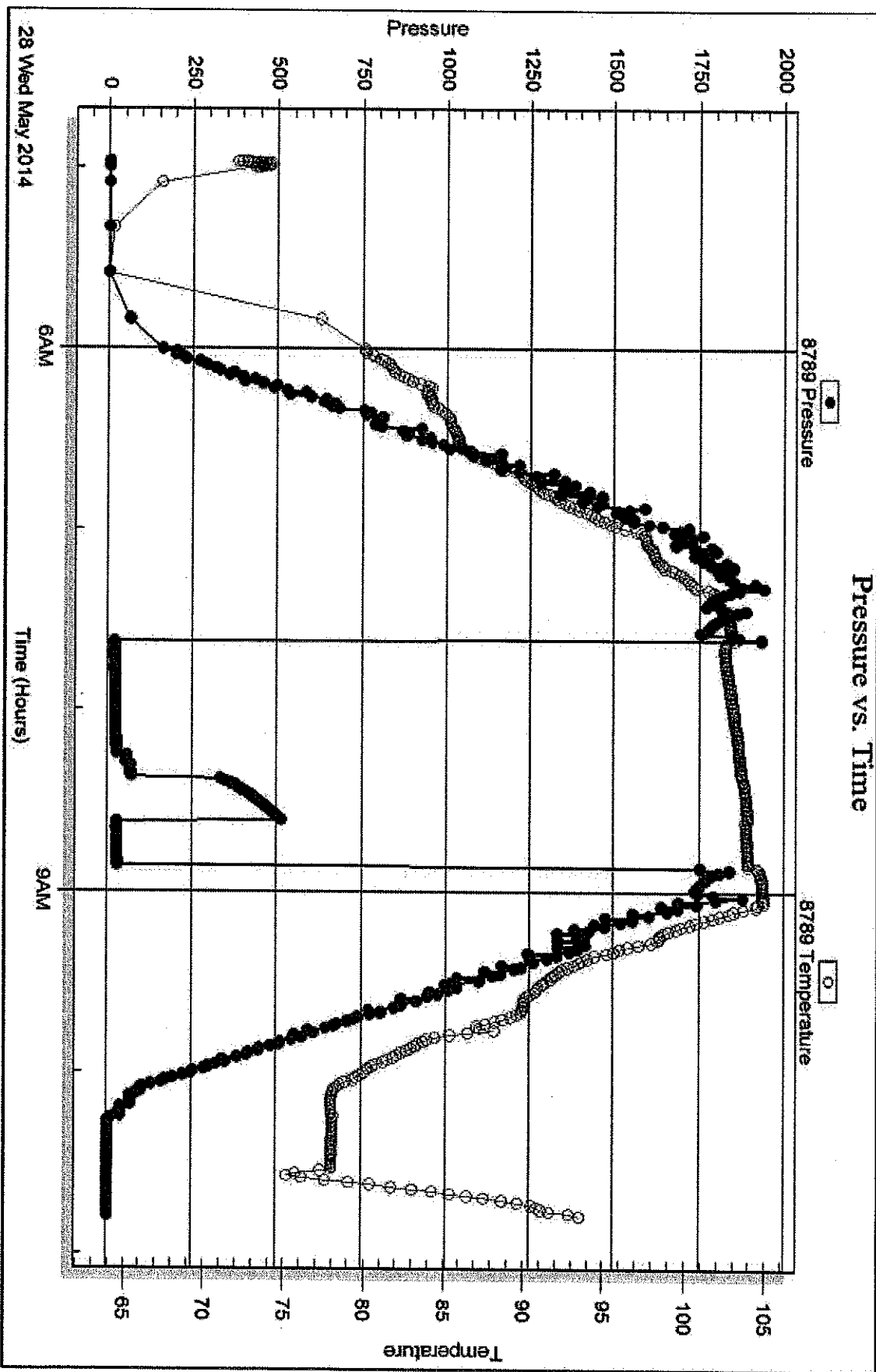
Serial #: 8789

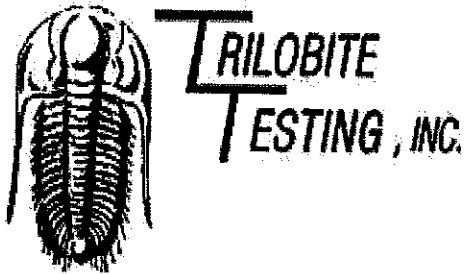
Inside

Castle Resources Inc.

Hadley #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Castle Resources Inc**

PO Box 87
Schoenchen KS 67667-0087

ATTN: Jerry Green

Hadley #1

32-11s-17w Ellis,KS

Start Date: 2014.05.28 @ 11:36:00

End Date: 2014.05.28 @ 18:24:00

Job Ticket #: 58873 DST #: 2

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

Printed: 2014.05.29 @ 14:19:17

Castle Resources Inc 32-11s-17w Ellis,KS Hadley #1 DST # 2 Arbuckle 2014.05.28



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Castle Resources Inc
 PO Box 87
 Schoenchen KS 67667-0087
 ATTN: Jerry Green

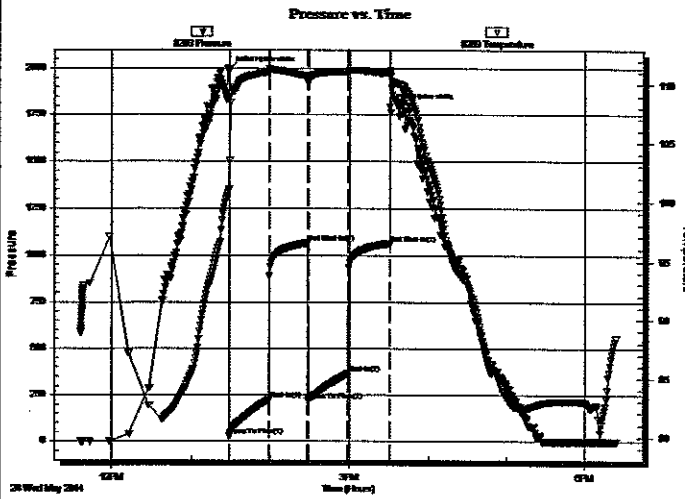
32-11s-17w Ellis, KS
Hadley #1
 Job Ticket: 58873 **DST#: 2**
 Test Start: 2014.05.28 @ 11:36:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:29:00
 Time Test Ended: 18:24:00
 Test Type: Conventional Straddle (Reset)
 Tester: Jim Svaty
 Unit No: 76
 Interval: **3640.00 ft (KB) To 3648.00 ft (KB) (TVD)**
 Total Depth: 3685.00 ft (KB) (TVD)
 Reference Elevations: 2107.00 ft (KB)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 5.00 ft

Serial #: 8289 Outside
 Press@RunDepth: 364.25 psig @ 3641.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.05.28 End Date: 2014.05.28 Last Calib.: 2014.05.28
 Start Time: 11:36:02 End Time: 18:24:00 Time On Btm: 2014.05.28 @ 13:28:45
 Time Off Btm: 2014.05.28 @ 15:30:15

TEST COMMENT: 30-IFP- BOB in 6 min.
 30-ISIP- No Blow
 30-FFP- BOB in 7 min.
 30-FSIP- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1992.18	101.03	Initial Hydro-static
1	26.65	101.04	Open To Flow (1)
31	224.35	111.08	Shut-In(1)
60	1064.70	110.69	End Shut-In(1)
60	221.34	110.15	Open To Flow (2)
90	364.25	111.02	Shut-In(2)
121	1061.50	110.91	End Shut-In(2)
122	1793.40	111.06	Final Hydro-static

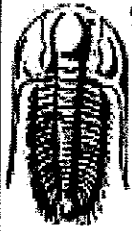
Recovery

Length (ft)	Description	Volume (bbl)
145.00	MCW 5% _m 95% _w Show of Oil	0.71
594.00	OMCW 1% _o 5% _m 94% _w	8.33
44.00	OSWCM 1% _o 10% _w 89% _m	0.62
1.00	MWCO 10% _w 10% _m 80% _o	0.01

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Castle Resources Inc
 PO Box 87
 Schoenchen KS 67667-0087
 ATTN: Jerry Green

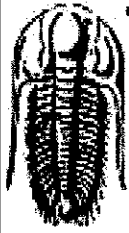
32-11s-17w Ellis,KS
Hadley #1
 Job Ticket: 58873 **DST#: 2**
 Test Start: 2014.05.28 @ 11:36:00

Tool Information

Drill Pipe:	Length: 3495.00 ft	Diameter: 3.80 inches	Volume: 49.03 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: 25000.00 lb
Drill Collar:	Length: 145.00 ft	Diameter: 2.25 inches	Volume: 0.71 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 49.74 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3640.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	3648.00 ft			
Interval between Packers:	8.00 ft			
Tool Length:	65.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3620.00	
Shut In Tool	5.00			3625.00	
Hydraulic tool	5.00			3630.00	
Packer	5.00			3635.00	21.00 Bottom Of Top Packer
Packer	5.00			3640.00	
Stubb	1.00			3641.00	
Recorder	0.00	8789	Inside	3641.00	
Recorder	0.00	8289	Outside	3641.00	
Perforations	3.00			3644.00	
Blank Off Sub	1.00			3645.00	
Blank Spacing	3.00			3648.00	8.00 Tool Interval
Packer	1.00			3649.00	
Perforations	3.00			3652.00	
Change Over Sub	1.00			3653.00	
Recorder	0.00	6668	Below	3653.00	
Blank Spacing	31.00			3684.00	36.00 Bottom Packers & Anchor
Total Tool Length:	65.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Castle Resources Inc
PO Box 87
Schoenchen KS 67667-0087
ATTN: Jerry Green

32-11s-17w Ellis,KS
Hadley #1
Job Ticket: 58873 **DST#: 2**
Test Start: 2014.05.28 @ 11:36:00

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:	20000 ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.16 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8000.00 ppm			
Filter Cake: 2.50 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
145.00	MCW 5% _m 95% _w Show of Oil	0.713
594.00	OMCW 1% _o 5% _m 94% _w	8.332
44.00	OSWCM 1% _o 10% _w 89% _m	0.617
1.00	MWCO 10% _w 10% _m 80% _o	0.014

Total Length: 784.00 ft Total Volume: 9.676 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: .240 @ 95

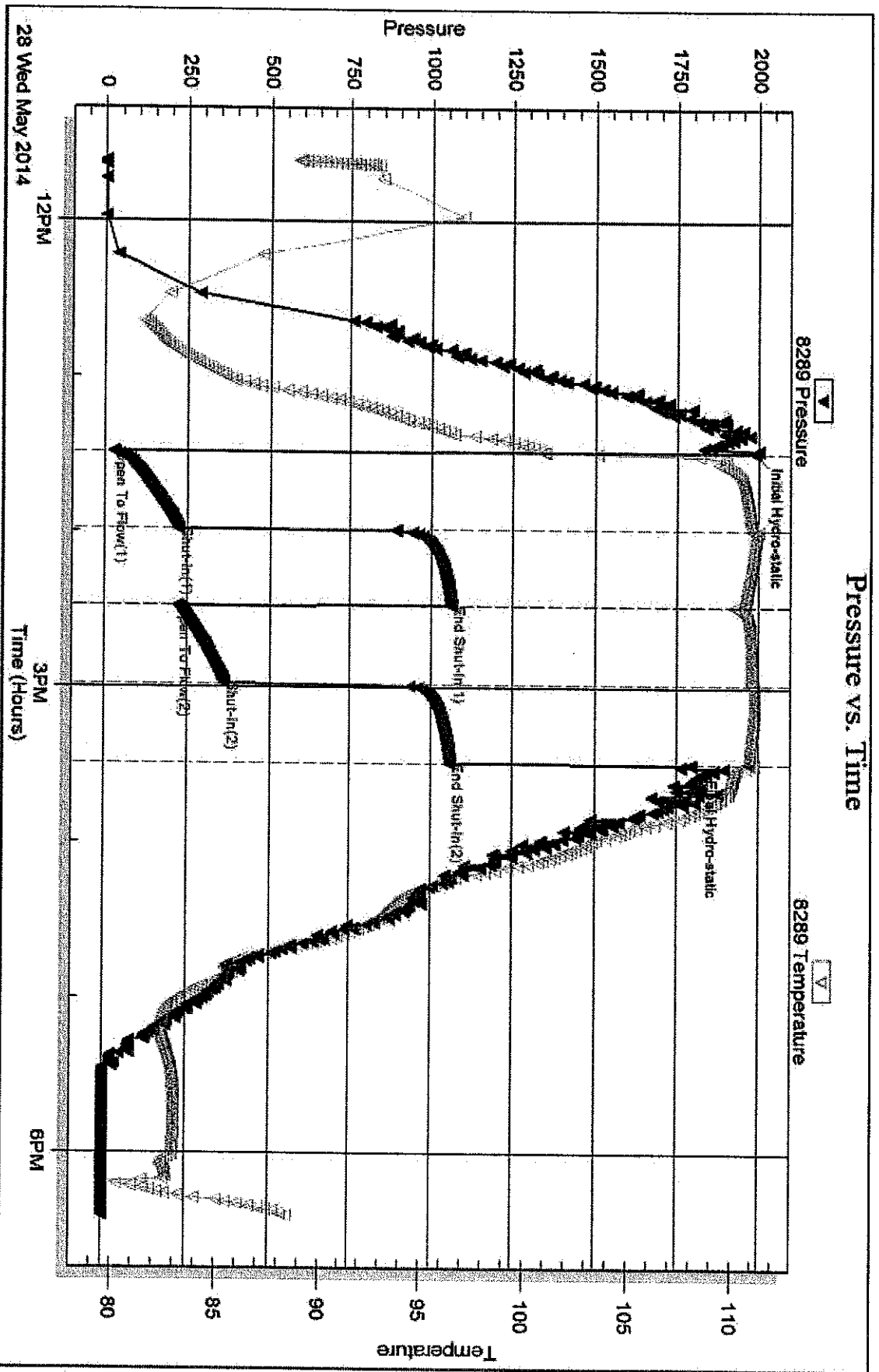
Serial #: 8289

Outside Casite Resources Inc

Hadley #1

DST Test Number: 2

Pressure vs. Time



TriMobile Testing, Inc

Ref. No: 56873

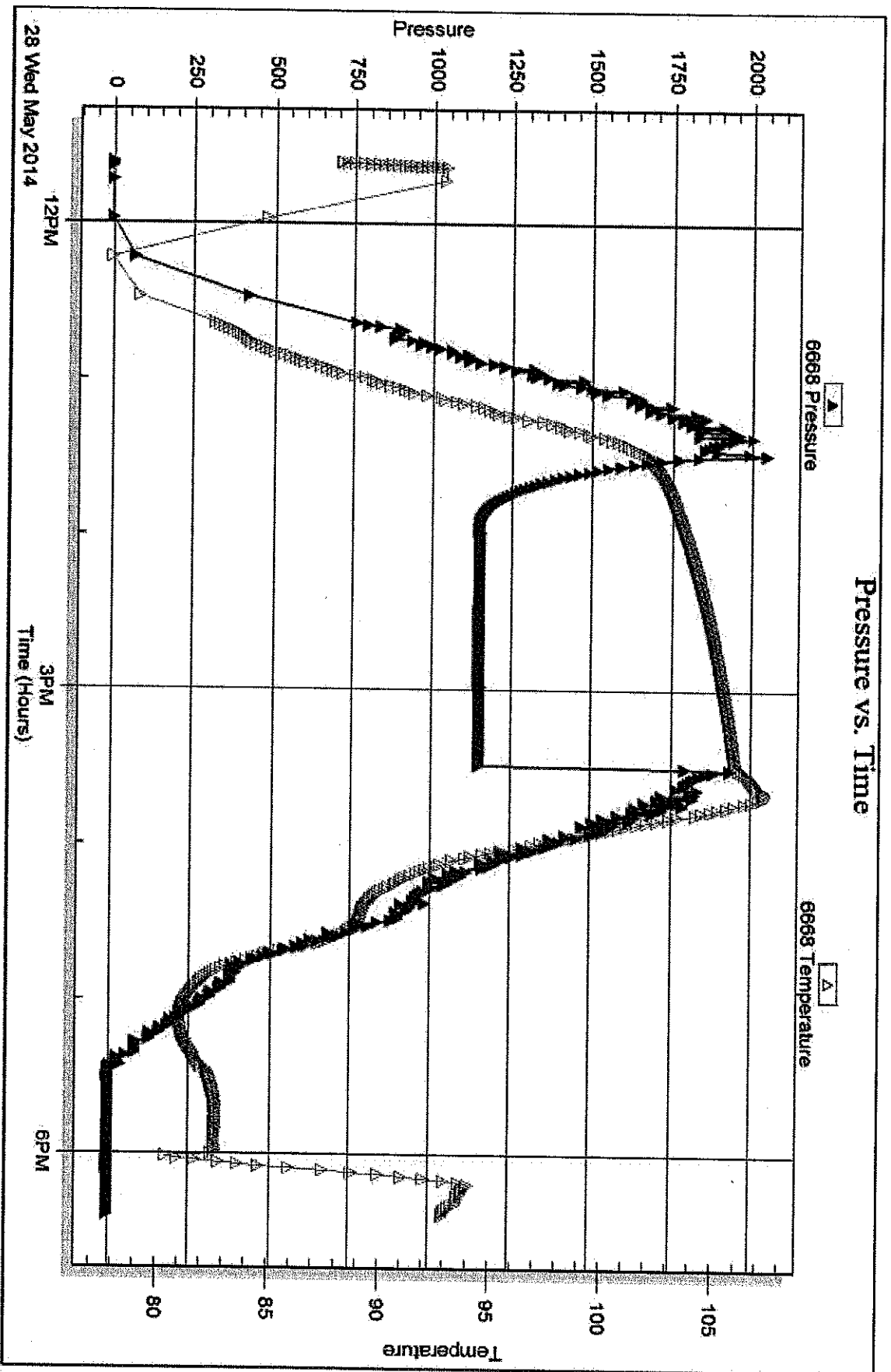
Printed: 2014.05.29 @ 14:19:18

Serial #: 6668

Below (Straddle) Resources Inc

Hadley #1

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 58873

Printed: 2014.05.29 @ 14:18:19

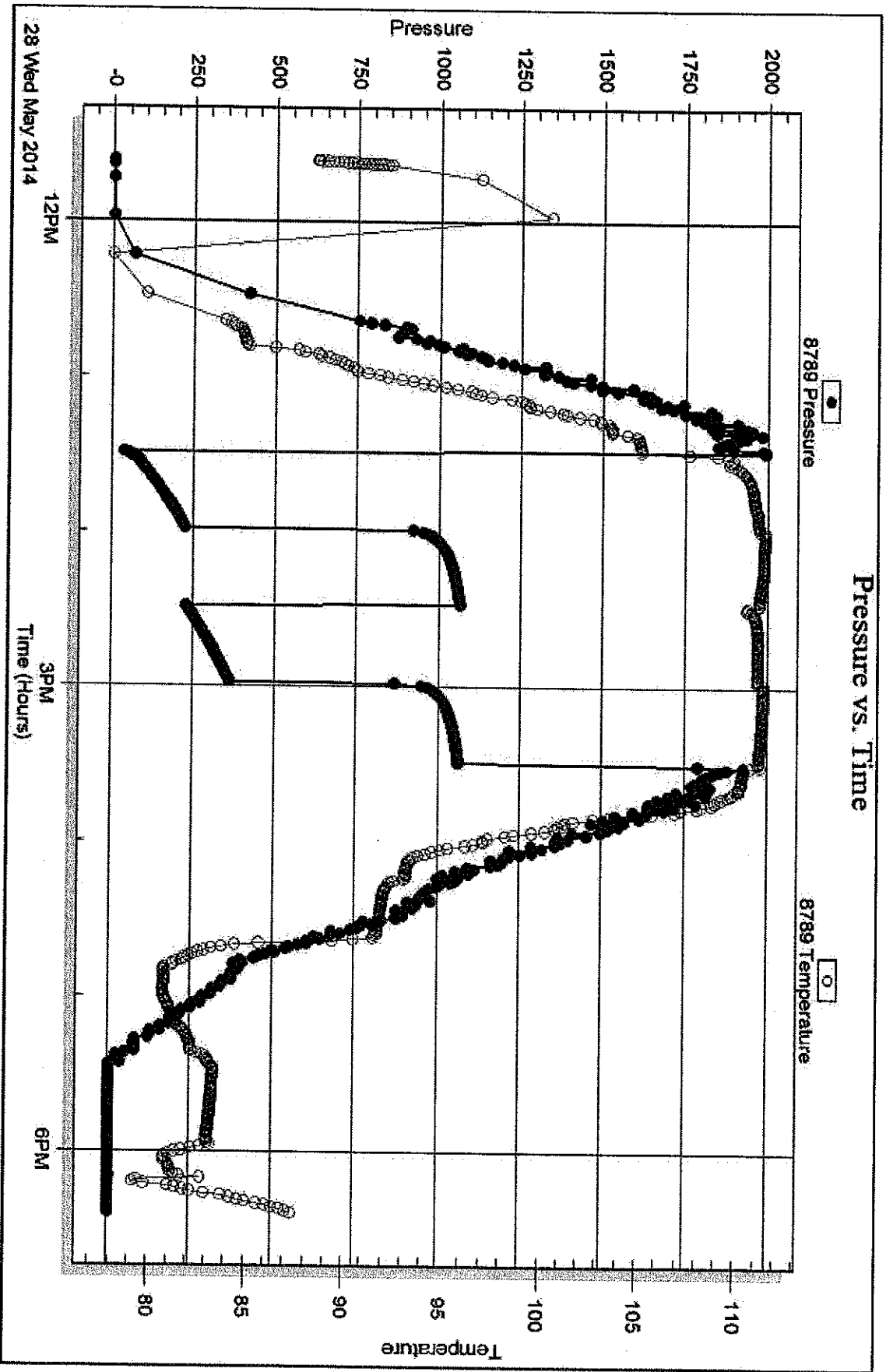
Serial #: 8789

Inside

Castle Resources Inc

Hedley #1

DST Test Number: 2



TriMobile Testing, Inc

Ref. No: 58873

Printed: 2014.05.29 @ 14:19:19



DRILL STEM TEST REPORT

Prepared For: **Castle Resources Inc**
PO Box 87
Schoenchen KS 67667-0087

ATTN: Jerry Green

Hadley #1

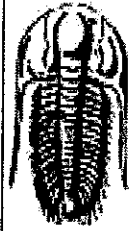
32-11s-17w Ellis,KS

Start Date: 2014.05.28 @ 19:28:00
End Date: 2014.05.29 @ 01:51:00
Job Ticket #: 58874 DST #: 3

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

Printed: 2014.05.29 @ 14:04:17

Castle Resources Inc 32-11s-17w Ellis,KS Hadley #1 DST # 3 Arbuckle 2014.05.28



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Castle Resources Inc
PO Box 87
Schoenchen KS 67667-0087
ATTN: Jerry Green

32-11s-17w Ellis,KS
Hadley #1
Job Ticket: 58874 **DST#: 3**
Test Start: 2014.05.28 @ 19:28:00

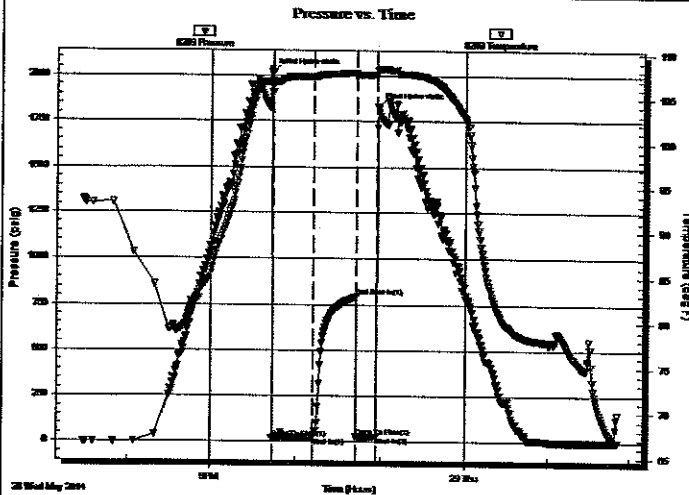
GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:43:30
Time Test Ended: 01:51:00
Interval: **3620.00 ft (KB) To 3635.00 ft (KB) (TVD)**
Total Depth: 3685.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Straddle (Reset)
Tester: Cody Bloedorn
Unit No: 76
Reference Elevations: 2107.00 ft (KB)
2102.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8289 Outside
Press@RunDepth: 24.28 psig @ 3631.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.05.28 End Date: 2014.05.29 Last Calib.: 2014.05.29
Start Time: 19:28:02 End Time: 01:51:00 Time On Btm: 2014.05.28 @ 21:43:15
Time Off Btm: 2014.05.28 @ 22:57:45

TEST COMMENT: 30 - IF- 1/4" blow
30 - IS- No return
15 - FF- No blow - ***PULLED TOOL***



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2016.11	106.98	Initial Hydro-static
1	19.50	105.68	Open To Flow (1)
29	24.28	107.35	Shut-in(1)
60	794.39	107.82	End Shut-in(1)
60	27.13	107.37	Open To Flow (2)
74	28.34	107.63	Shut-in(2)
75	1829.31	108.15	Final Hydro-static

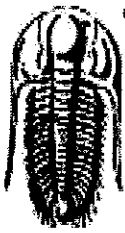
Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud - Oil spots, 100%M	0.07

* Recovery from multiple tests

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 67667-0087
 ATTN: Jerry Green

32-11s-17w Ellis,KS
Hadley #1
 Job Ticket: 58874 **DST#: 3**
 Test Start: 2014.05.28 @ 19:28:00

Tool Information

Drill Pipe:	Length: 3460.00 ft	Diameter: 3.80 inches	Volume: 48.53 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: 25000.00 lb
Drill Collar:	Length: 145.00 ft	Diameter: 2.25 inches	Volume: 0.71 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume:	49.24 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	3620.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	3635.00 ft			
Interval between Packers:	15.00 ft			
Tool Length:	85.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3600.00	
Shut In Tool	5.00			3605.00	
Hydraulic tool	5.00			3610.00	
Packer	5.00			3615.00	21.00 Bottom Of Top Packer
Packer	5.00			3620.00	
Stubb	1.00			3621.00	
Perforations	10.00			3631.00	
Recorder	0.00	8789	Inside	3631.00	
Recorder	0.00	8289	Outside	3631.00	
Blank Off Sub	1.00			3632.00	
Blank Spacing	3.00			3635.00	15.00 Tool Interval
Packer	1.00			3636.00	
Perforations	12.00			3648.00	
Change Over Sub	1.00			3649.00	
Recorder	0.00	6668	Below	3649.00	
Blank Spacing	31.00			3680.00	
Change Over Sub	1.00			3681.00	
Bullnose	3.00			3684.00	49.00 Bottom Packers & Anchor

Total Tool Length: 85.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Castle Resources Inc

32-11s-17w Ellis,KS

PO Box 87
Schoenchen KS 67667-0087

Hadley #1

Job Ticket: 58874

DST#: 3

ATTN: Jerry Green

Test Start: 2014.05.28 @ 19:28:00

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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.11 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 2.50 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Mud - Oil spots, 100%M	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

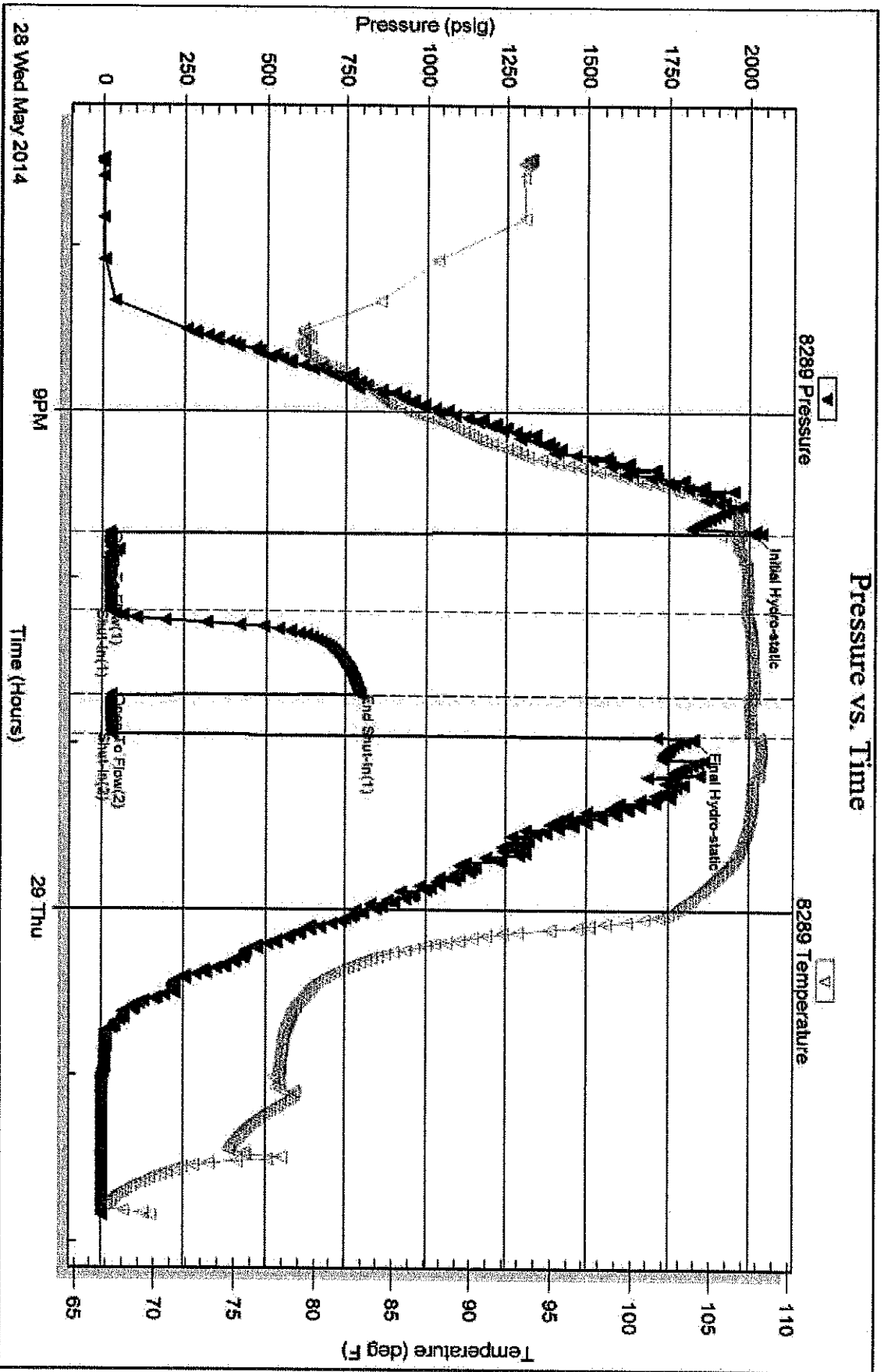
Recovery Comments:

Serial #: 8289

Outside Castle Resources Inc

Headley #1

DST Test Number: 3



Tribble Testing, Inc

Ref. No: 58874

Printed: 2014.05.29 @ 14:04:18

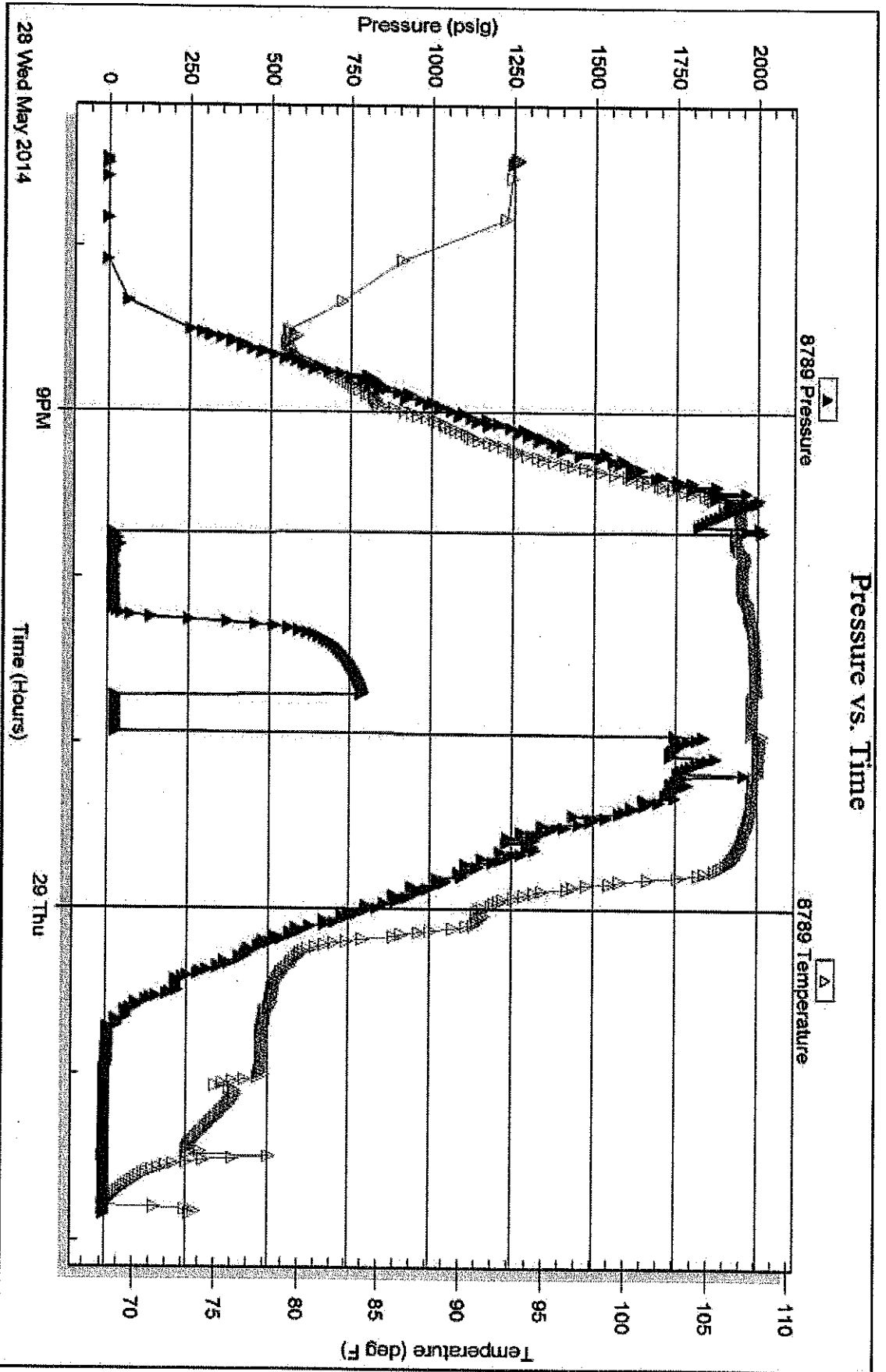
Serial #: 8789

Inside

Castle Resources Inc

Headley #1

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 58874

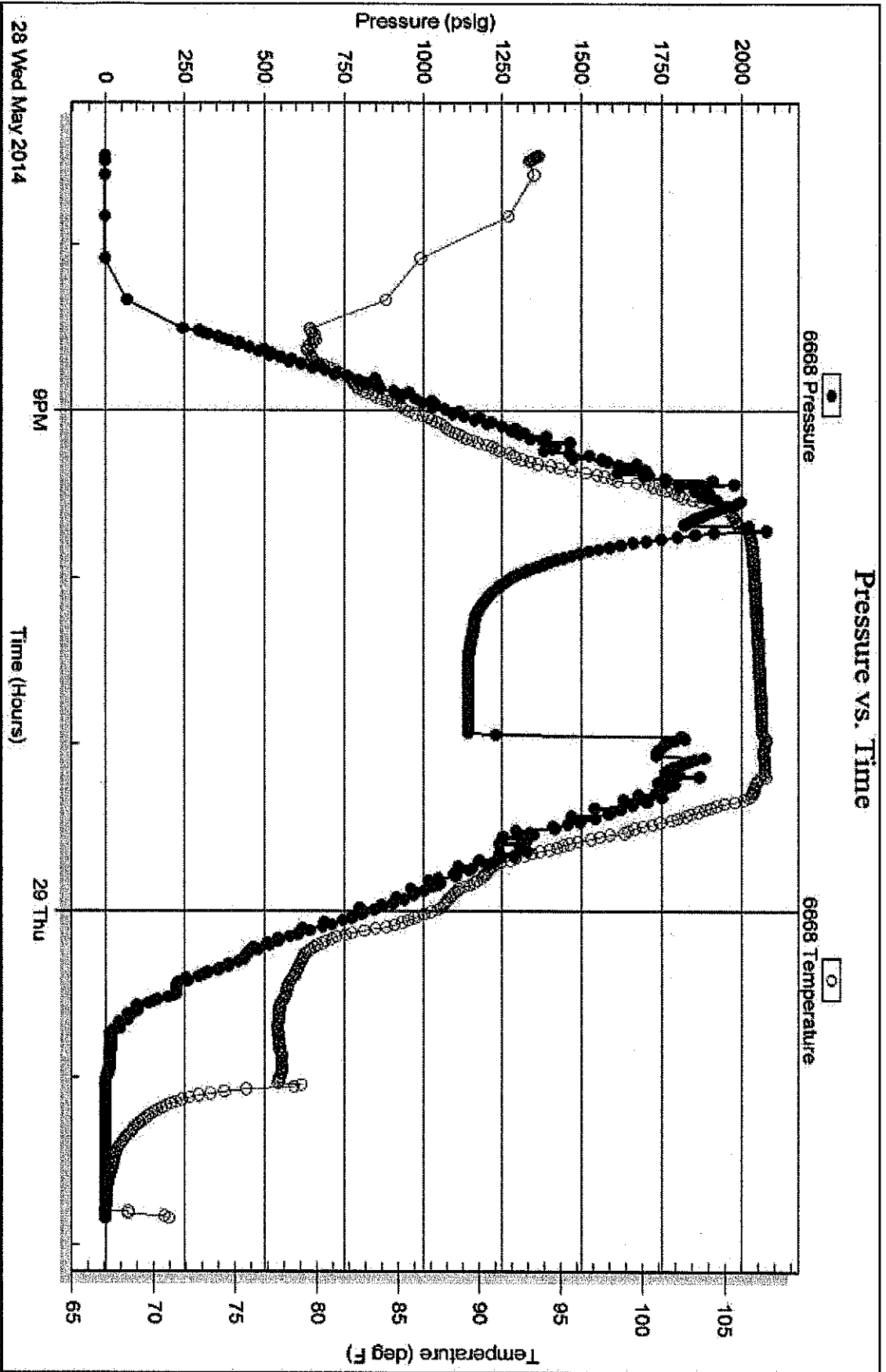
Printed: 2014.05.29 @ 14:04:18

Serial #: 6668

Below (Straddle) Resources Inc

Hadley #1

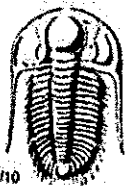
DST Test Number: 3



Tribble Testing, Inc

Ref. No: 58874

Printed: 2014.05.29 @ 14:04:19



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58872

Well Name & No. Hadley #1 Test No. 1 Date 5-27-14
 Company Castle Resources Inc. Elevation 2107 KB 2102 GL
 Address P.O. Box 87 Schoenchen KS 67667-0087
 Co. Rep / Geo. Jerry Green Rig Skytop Drilling #1
 Location: Sec. 32 Twp. 11^s Rge. 17^w Co. Ellis State KS

Interval Tested 3578-3620 Zone Tested Arbuckle
 Anchor Length 42 (65 TP) Drill Pipe Run 3435 Mud Wt. 9.1
 Top Packer Depth 3578 Drill Collars Run 145 Vis 60
 Bottom Packer Depth 3620 Wt. Pipe Run 8 WL 11.2
 Total Depth 3685 Chlorides 8000 ppm System LCM 2 1/2

Blow Description IFP - 1/4 Blow Ried in 13 min.
ISIP - No Blow
FFP - Good Surge on Open No Blow
FSIP - pulled.

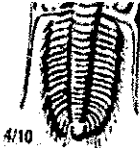
Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>MUD</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 104 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1937 Test 1150 T-On Location 21:00
 (B) First Initial Flow 17 Jars _____ T-Started 04:58
 (C) First Final Flow 69 Safety Joint _____ T-Open 07:37
 (D) Initial Shut-In 513 Circ Sub _____ T-Pulled 08:52
 (E) Second Initial Flow 25 Hourly Standby .25h 25 T-Out 10:48
 (F) Second Final Flow 27 Mileage 38 RT 58.90 Comments _____
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic 1838 Straddle 600 Ruined Shale Packer _____
 Shale Packer 250 Ruined Packer _____

Initial Open 30 Extra Packer _____ Extra Copies _____
 Initial Shut-In 30 Extra Recorder _____ Sub Total 0
 Final Flow 15 Day Standby _____ Total 2083.90
 Final Shut-In pulled Accessibility _____ MP/DST Disc't _____
 Sub Total 2083.90

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. 58873

Well Name & No. Hadley #1 Test No. 2 Date 5-28-14
 Company Castle Resources Inc. Elevation 2107 KB 2102 GL
 Address P.O. Box 87 Schoenchen K.S 67667-0087
 Co. Rep / Geo. Jerry Green Rig Skystop
 Location: Sec. 32 Twp. 11S Rge. 17W Co. Ellis State KS

Interval Tested 3640 - 3648 Zone Tested Arbuckle
 Anchor Length 8 (32TP) Drill Pipe Run 3495 Mud Wt. 9.1
 Top Packer Depth 3640 Drill Collars Run 145 Vis 60
 Bottom Packer Depth 3648 Wt. Pipe Run 8 WL 11.2
 Total Depth 3685 Chlorides 8000 ppm System LCM 2 1/2

Blow Description IFP - BOB in 6 min
ISIP - No Blow
FFP - BOB in 7 min
FSIP -

Rec	Feet of	%gas	%oil	%water	%mud
<u>145</u>	<u>MCW show of Oil</u>		<u>95</u>	<u>5</u>	
<u>594</u>	<u>OMCW</u>	<u>1</u>	<u>94</u>	<u>5</u>	
<u>44</u>	<u>OSWCM</u>	<u>1</u>	<u>10</u>	<u>89</u>	
<u>1</u>	<u>MWCO</u>	<u>80</u>	<u>10</u>	<u>10</u>	

Rec Total 784 BHT 111 Gravity API RW 240 @ 95° F Chlorides 20000 ppm

(A) Initial Hydrostatic <u>1992</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>2:00</u>
(B) First Initial Flow <u>26</u>	<input type="checkbox"/> Jars	T-Started <u>11:36</u>
(C) First Final Flow <u>224</u>	<input type="checkbox"/> Safety Joint	T-Open <u>13:29</u>
(D) Initial Shut-In <u>1064</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>15:29</u>
(E) Second Initial Flow <u>221</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>18:24</u>
(F) Second Final Flow <u>364</u>	<input type="checkbox"/> Mileage	Comments
(G) Final Shut-In <u>1061</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1793</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>2000</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>2000</u>	

Approved By _____ Our Representative [Signature]
 Tribolite 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. 58874

Well Name & No. Hadley #1 Test No. 3 Date 5-28-14
 Company Castle Resources Inc Elevation 2107 KB 2102 GL
 Address P.O. Box 87 Schoenchen KS, 67667-0087
 Co. Rep / Geo. Jerry Green Rig SKYTOP
 Location: Sec. 32 Twp. 11S Rge. 17W Co. Ellis State KS

Interval Tested 3620-3635 Zone Tested Ar buckle
 Anchor Length 15 Drill Pipe Run 3460' Mud Wt. 9.1
 Top Packer Depth 3620 Drill Collars Run 145' Vis 60
 Bottom Packer Depth 3635 Wt. Pipe Run 0 WL 11.3
 Total Depth 3685 Chlorides 8,000 ppm System LCM 2.5

Blow Description IF - 1/4" blow
ISI - No return
FF - No blow - pulled tool
FST -

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>Mud - oil spots</u>			<u>100</u>	
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 15 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2016</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>1927</u>
(B) First Initial Flow <u>19</u>	<input type="checkbox"/> Jars _____	T-Started <u>1928</u>
(C) First Final Flow <u>24</u>	<input type="checkbox"/> Safety Joint _____	T-Open <u>2142</u>
(D) Initial Shut-In <u>794</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>2257</u>
(E) Second Initial Flow <u>27</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>0150</u>
(F) Second Final Flow <u>28</u>	<input type="checkbox"/> Mileage _____	Comments _____
(G) Final Shut-In _____	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1829</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input type="checkbox"/> Ruined Shale Packer _____
	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Flow <u>15</u>	<input type="checkbox"/> Day Standby _____	Total <u>2000</u>
Final Shut-In _____	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>2000</u>	

Approved By _____ Our Representative Cody Bly

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.