Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1163142

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 9860
Name: Castle Resources, Inc.
Address 1: BOX 87
Address 2:
City: SCHOENCHEN State: KS Zip: 67667 + 0087
Contact Person: Jerry Green
Phone: (785) 625-5155
CONTRACTOR: License # 34743
Name: White Knight Drilling LLC
Wellsite Geologist: Jerry Green
Purchaser:

Designate Type of Completion:

☑ New Well ☐ Re-Entry ☐ Workover

☑ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☐ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ CM *(Coal Bed Methane)*
☐ Cathodic ☐ Other *(Core, Expl., etc.)*:

If Workover/Re-entry: Old Well Info as follows:

Operator:
Well Name:
Original Comp. Date: Original Total Depth:

☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

08/28/2013	09/02/2013	09/02/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-051-26536-00-00
Spot Description:
_ - NE - SE - NW Sec. 36 Twp. 13 S. R. 20 ☐ East ☑ West
1650 Feet from ☑ North / ☐ South Line of Section
2310 Feet from ☐ East / ☑ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☐ NE ☑ NW ☐ SE ☐ SW

GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*

Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84

County: Ellis
Lease Name: Clayton Engle Well #: 1
Field Name:
Producing Formation: Arbuckle
Elevation: Ground: 2230 Kelly Bushing: 2235
Total Vertical Depth: 3942 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 217 Feet
Multiple Stage Cementing Collar Used? ☑ Yes ☐ No
If yes, show depth set: 1506 Feet
If Alternate II completion, cement circulated from: 1506
feet depth to: w/ 160 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 30000 ppm Fluid volume: 300 bbls
Dewatering method used: Evaporated

Location of fluid disposal if hauled offsite:

Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. R. ☐ East ☐ West
County: Permit #:

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

☐ **Confidentiality Requested**
Date:
☐ **Confidential Release Date:**
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** Deanna Garrison **Date:** 02/19/2014

[redacted] 1163142

Operator Name: Castle Resources, Inc. Lease Name: Clayton Engle Well #: 1

Sec. 36 Twp. 13 S. R. 20 ☐ East ☑ West County: Ellis

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:
Attached

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name: Attached Top: Attached Datum: Attached

CASING RECORD ☑ New ☐ Used
Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
surface	12.25	8.625	20	217	common	150	3% CC 2% Gel
production	7.88	5.5	17	3942	standard	175	Flocele
top stage	7.88	5.5	17	1506	multi density	160	

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ Plug Off Zone	-			
	-			

Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☑ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
4	3818-26	2000	
4	3866-68	500	
4	3716-18	500	
4	3279-83	500	

TUBING RECORD: Size: 2.375 Set At: 3860 Packer At:

Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. 12/21/2013

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	8		30		

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:
3818-26

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Castle Resources, Inc.
Well Name	Clayton Engle 1
Doc ID	1163142

All Electric Logs Run

Dual Compensated Porosity
Dual Induction
Sonic Cement
Micro Resistivity

Form	ACO1 - Well Completion
Operator	Castle Resources, Inc.
Well Name	Clayton Engle 1
Doc ID	1163142

Tops

Name	Top	Datum
Anhydrite	1437-78	+695
Heebner	3488	-1256
Toronto	3508	-1276
LKC	3530	-1298
BKC	3778	-1546
Marmaton	3816	-1584
Arbuckle	3866	-1634
RTD	3942	-1710

SWIFT Services, Inc.

DATE 9-2-13 | PAGE NO. 1

Sources	WELL NO. #1	LEASE Clayton Engle	JOB TYPE Longstring	TICKET NO. 24928

TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T	PUMPS C	PRESSURE (PSI) TUBING	PRESSURE (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
1100							on loc w/ FE
							RTD 3942'
							5½" x 17# x 3938' x 21'
							Cent 1, 8, 4, 12, 63
							Bask 4, 64
							P.C. 64 @ 1552'
1245							start FE
1515							Break Circ
1545	2	7					Plug RH 30sks EA-2
1550	5	0				200	start 500gal Mud Flush
	5	12/0				200	start 20bbl KCL flush
	5	20/0				200	start 145sks EA-2 cement
1605		35					End Cement
							Wash P&L
							Drop L.D. Plug
1610	6	0				150	Start Displacement
	5	60				200	Catch Cement
1625		91				650/1300	Land Plug
							Release Pressure
							Float Held
							Thank you
							Nick, David E, & Isaac

SWIFT Services, Inc.

CHARGE TO: Castle Resources
ADDRESS
CITY, STATE, ZIP CODE

TICKET Nº 24928

PAGE 1 OF 2

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. Hays, Ks.	#1	Clayton Engle	Ellis	Ks		9-2-13	Same
2. Ness City, Ks.	TICKET TYPE ☑ SERVICE ☐ SALES	CONTRACTOR White Knight #1	RIG NAME/NO.	SHIPPED VIA CT	DELIVERED TO Location	ORDER NO.	
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE		WELL PERMIT NO.	WELL LOCATION	
4.	Oil	Development	Longstring				
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING LOC	ACCT	DF	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
575		1			MILEAGE #111	15	mi			6 00	90 00
578		1			Pump Charge Longstring	1	ea	3942	'	1500 00	1500 00
221		1			KCL	2	gal			25 00	50 00
281		1			Mud Flush	500	gal			1 25	625 00
290		1			D-Air	2	gal			42 00	84 00
402		1			Centralizers	5	ea	5½	"	70 00	350 00
403		1			Baskets	2	ea			285 00	570 00
404		1			Port Collar	1	ea			2650 00	2650 00
406		1			L.D. Plug & Baffle	1	ea			275 00	275 00
407		1			Insert Float Shoe w/Fill	1	ea			375 00	375 00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY,** and **LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

Terry Cluston

9/2-13 TIME SIGNED 1645 ☐ A.M. ☑ P.M.

REMIT PAYMENT TO:

SWIFT SERVICES, INC.
P.O. BOX 466
NESS CITY, KS 67560
785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			

ARE YOU SATISFIED WITH OUR SERVICE? ☐ YES ☐ NO

☐ CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL page 2	6569 00 / 4437 00
subtotal	11006 00
Ellis TAX 6.15%	529 45
TOTAL	11,535 45

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

Mike Kuhn APPROVAL

Thank You!

SWIFT Services, Inc.

PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 24928

CUSTOMER: Castle Resources | WELL: Clayton Eagle #1 | DATE: 9-2-13 | PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING LOC	ACCT	DF	TIME	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
325		2				Standard Cement	175	sks			14 00	2450 00
276		2				Flocele	50	#			2 00	100 00
283		2				Salt	900	#			20	180 00
284		2				Cal seal	8	sks			35 00	280 00
292		2				Halad-322	80	#			7 75	620 00
		2				SERVICE CHARGE	175 sks		CUBIC FEET		2 00	350 00
		2				MILEAGE CHARGE / TOTAL WEIGHT 18280 / LOADED MILES 50			TON MILES	457	1 00	457 00
											CONTINUATION TOTAL	4437 00

SWIFT Services, Inc.

CHARGE TO: Castle Resources
ADDRESS
CITY, STATE, ZIP CODE

TICKET Nº 24918

PAGE 1 OF 1

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
Ness City KS	#1	Clayton Engle	Ellis	KS	Ellis	9 SEP 13	

TICKET TYPE ☐ SERVICE ☐ SALES	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.
	KEM	2	CT	location	

WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION
oil	Development	cement port collar		36-13-20

REFERRAL LOCATION — INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING LOC	ACCT	DF	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
575		1			MILEAGE TRK 114	50	mi			6 00	300 00
576D		1			Pump Charge	1	ea			1500 00	1500 00
330		1			SMD cement	160	sk			17 00	2720 00
276		1			Flocele	50	lb			2 00	100 00
290		1			D-Air	5	Gal			42 00	210 00
104		1			Port Collar Tool Rental	1	Job			250 00	250 00
581		1			service charge	175	sk			2 00	350 00
583		1			Drayage	17414	lb	435.36	TM	1 00	435 36

GAL TERMS: Customer hereby acknowledges and agrees to terms and conditions on the reverse side hereof which include, are not limited to, **PAYMENT, RELEASE, INDEMNITY,** and **ITED WARRANTY** provisions.

BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO T OF WORK OR DELIVERY OF GOODS

SIGNED | TIME SIGNED | ☑ A.M. ☐ P.M.

REMIT PAYMENT TO:

SWIFT SERVICES, INC.
P.O. BOX 466
NESS CITY, KS 67560
785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			

ARE YOU SATISFIED WITH OUR SERVICE? ☐ YES ☐ NO

☐ CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL	5865 36
Ellis TAX 6.15%	201 72
TOTAL	6067 08

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

T OPERATOR — APPROVAL

Thank You!

JOB LOG — SWIFT Services, Inc. — DATE 9-28-13 — PAGE NO.

CUSTOMER	WELL NO.	LEASE	JOB TYPE	TICKET NO.
Castle Resources	#1	Clayton Engle	cement port collar	24918

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T	PUMPS C	PRESSURE (PSI) TUBING	PRESSURE (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
								175sk SMDw/ ¼# Flocele
								2⅜ x 5½ port collar 1504'
	0900							on loc TBR 114
	0910					7000	1000	test to 1000psi - held
								open port collar
	0925	3	2			500		inj rate 3bpm @ 500psi
	0930	4¾				500		mix SMD cement @ 11.2 ppg
		4¾	10			500		fluid to surface
	0950	4¾	84			700		cement to surface (160sk mixed 15 to pit)
		4¼	5			700		Displace w/ H2O
								close port collar
	0957					1000	1000	test to 1000psi - held
								Run 5 joints
	1005		20					Reverse hole clean
								-2 cement & clap
								pull tool
	1015							wash truck
								RACK up
	1045							job complete
								Thanks
								Rob, Dave, Flint & Blaine

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

1089

REMIT TO 18048 170RD
RUSSELL, KS 67665

SERVICE POINT: Russell - Hoxie KS

DATE 8/22/23	SEC.	TWP.	RANGE	CALLED OUT 800	ON LOCATION 4:30	JOB START 12:15	JOB FINISH
LEASE Conrad Farms	WELL # 1		LOCATION Castle Resources			COUNTY Ellis	STATE KS
OLD OR NEW (CIRCLE ONE)							

CONTRACTOR White Knight
TYPE OF JOB Surface
HOLE SIZE
CASING SIZE 8 5/8
TUBING SIZE
DRILL PIPE
TOOL
PRES. MAX
MEAS. LINE
CEMENT LEFT IN CSG.
PERFS
DISPLACEMENT

T.D.
DEPTH 217'
DEPTH
DEPTH
DEPTH
MINIMUM
SHOE JOINT

OWNER

CEMENT
AMOUNT ORDERED 150 sx 3% 2%

EQUIPMENT

PUMP TRUCK CEMENTER Jay
361 HELPER
BULK TRUCK
DRIVER
BULK TRUCK
DRIVER

REMARKS:

Cement at 12:00
Pump Mud Flush 12:15
Plug Rat Hole @ 13:00

CHARGE TO: Castle Resources
STREET
CITY STATE ZIP

COMMON	@		
POZMIX	@		
GEL	@		
CHLORIDE	@		
ASC	@		
	@		
	@		
	@		
	@		
	@		
	@		
	@		
	@		
HANDLING	@		
MILEAGE			
	TOTAL		

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			
EXTRA FOOTAGE	@		
MILEAGE	@		
MANIFOLD	@		
	@		
	@		
	TOTAL		

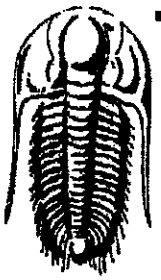
PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		
	TOTAL		

SALES TAX (If Any)
TOTAL CHARGES
DISCOUNT IF PAID IN 30 DAYS

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 Tony Martin
SIGNATURE Tony Martin



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Castle Resources Inc**

Box 87
Schoenchen KS 67667-0087

ATTN: Jerry Green

Clayton-Engle #1

36-13s-20w Ellis,KS

Start Date: 2013.09.01 @ 13:30:00
End Date: 2013.09.01 @ 00:00:00
Job Ticket #: 54805 DST #: 1

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

Printed: 2013.09.04 @ 14:59:02

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Castle Resources Inc

Box 87
Schoenchen KS 67667-0087

ATTN: Jerry Green

36-13s-20w Ellis,KS

Clayton-Engle #1

Job Ticket: 54805 **DST#: 1**

Test Start: 2013.09.01 @ 13:30:00

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:00:00
Time Test Ended: 00:00:00

Test Type: Conventional Straddle (Initial)
Tester: Ray Schwager
Unit No: 70

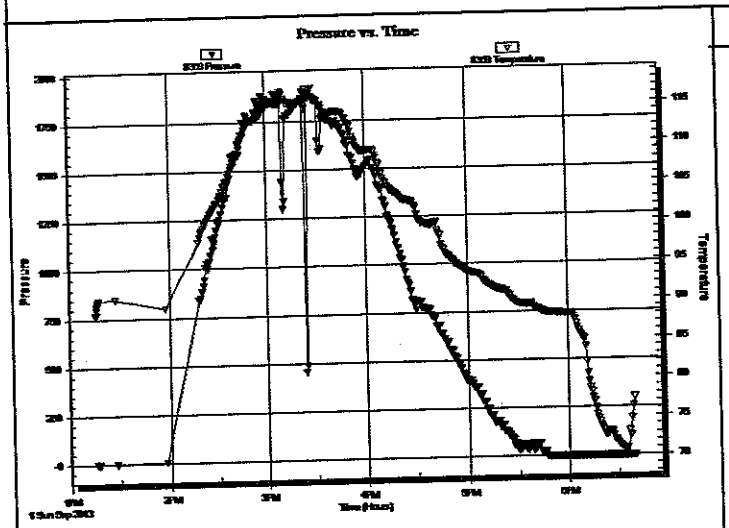
Interval: 3818.00 ft (KB) To 3827.00 ft (KB) (TVD)
Total Depth: 3942.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2232.00 ft (KB)
2227.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8369 **Inside**
Press@RunDepth: psig @ 3819.00 ft (KB)
Start Date: 2013.09.01 End Date: 2013.09.01
Start Time: 13:15:28 End Time: 18:40:22

Capacity: 8000.00 psig
Last Calib.: 2013.09.01
Time On Btm:
Time Off Btm:

TEST COMMENT: No packer seat, set twice



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
1600.00	Mud	22.44

Gas Rates

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

DRILL STEM TEST REPORT

Castle Resources Inc

Box 87
Schoenchen KS 67667-0087

ATTN: Jerry Green

36-13s-20w Ellis,KS

Clayton-Engle #1

Job Ticket: 54805 **DST#: 1**

Test Start: 2013.09.01 @ 13:30:00

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:00:00
Time Test Ended: 00:00:00

Test Type: Conventional Straddle (Initial)
Tester: Ray Schwager
Unit No: 70

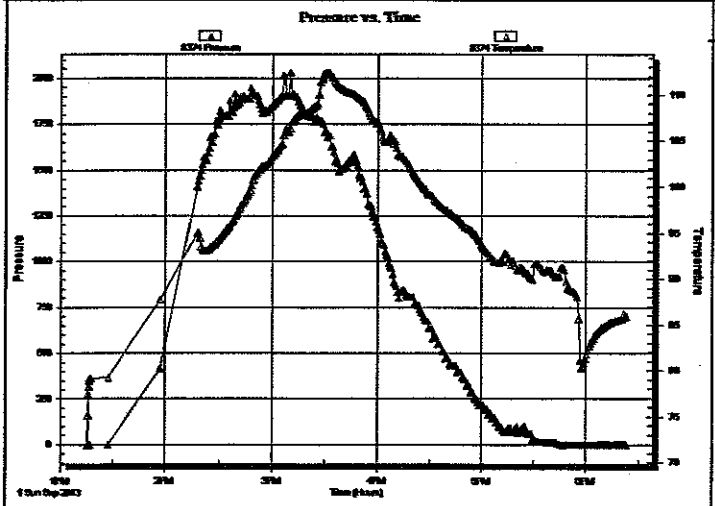
Interval: 3818.00 ft (KB) To 3827.00 ft (KB) (TVD)
Total Depth: 3942.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2232.00 ft (KB)
2227.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8374 **Below (Straddle)**
Press@RunDepth: psig @ 3833.00 ft (KB)
Start Date: 2013.09.01 End Date: 2013.09.01
Start Time: 13:15:20 End Time: 18:22:59

Capacity: 8000.00 psig
Last Calib.: 2013.09.01
Time On Btm:
Time Off Btm:

TEST COMMENT: No packer seat, set twice



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
1600.00	Mud	22.44

Gas Rates

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Castle Resources Inc

Box 87
Schoenchen KS 67667-0087

ATTN: Jerry Green

36-13s-20w Ellis,KS

Clayton-Engle #1

Job Ticket: 54805 **DST#: 1**

Test Start: 2013.09.01 @ 13:30:00

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:00:00
Time Test Ended: 00:00:00

Test Type: Conventional Straddle (Initial)
Tester: Ray Schwager
Unit No: 70

Interval: 3818.00 ft (KB) To 3827.00 ft (KB) (TVD)
Total Depth: 3942.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

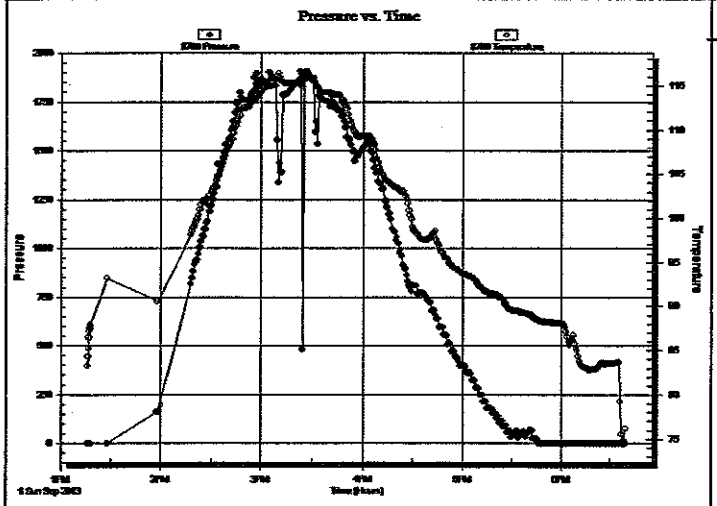
Reference Elevations: 2232.00 ft (KB)
2227.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8700 **Outside**

Press@RunDepth: psig @ 3819.00 ft (KB)
Start Date: 2013.09.01 End Date: 2013.09.01
Start Time: 13:15:58 End Time: 18:39:37

Capacity: 8000.00 psig
Last Calib.: 2013.09.01
Time On Btm:
Time Off Btm:

TEST COMMENT: No packer seat, set twice



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
1600.00	Mud	22.44

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Castle Resources Inc

Box 87
Schoenchen KS 67667-0087

ATTN: Jerry Green

36-13s-20w Ellis,KS

Clayton-Engle #1

Job Ticket: 54805 **DST#: 1**

Test Start: 2013.09.01 @ 13:30:00

Tool Information

Drill Pipe:	Length:	3827.00 ft	Diameter:	3.80 inches	Volume:	53.68 bbl	Tool Weight:		2200.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		25000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:		55000.00 lb
					Total Volume:	53.68 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		30.00 ft					String Weight:	Initial	45000.00 lb
Depth to Top Packer:		3818.00 ft						Final	46000.00 lb
Depth to Bottom Packer:		3827.00 ft							
Interval betw een Packers:		9.00 ft							
Tool Length:		149.00 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			3798.00		
Shut In Tool	5.00			3803.00		
Hydraulic tool	5.00			3808.00		
Packer	5.00			3813.00	21.00	Bottom Of Top Packer
Packer	5.00			3818.00		
Stubb	1.00			3819.00		
Recorder	0.00	8369	Inside	3819.00		
Recorder	0.00	8700	Outside	3819.00		
Perforations	4.00			3823.00		
Blank Off Sub	1.00			3824.00		
Blank Spacing	3.00			3827.00	9.00	Tool Interval
Packer	5.00			3832.00		
Stubb	1.00			3833.00		
Recorder	0.00	8374	Below	3833.00		
Blank Spacing	95.00			3928.00		
Perforations	15.00			3943.00		
Bullnose	3.00			3946.00	119.00	Bottom Packers & Anchor
Total Tool Length:	**149.00**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Castle Resources Inc

Box 87
Schoenchen KS 67667-0087

ATTN: Jerry Green

36-13s-20w Ellis,KS

Clayton-Engle #1

Job Ticket: 54805 **DST#: 1**

Test Start: 2013.09.01 @ 13:30:00

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:	48.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.36 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	7000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1600.00	Mud	22.444

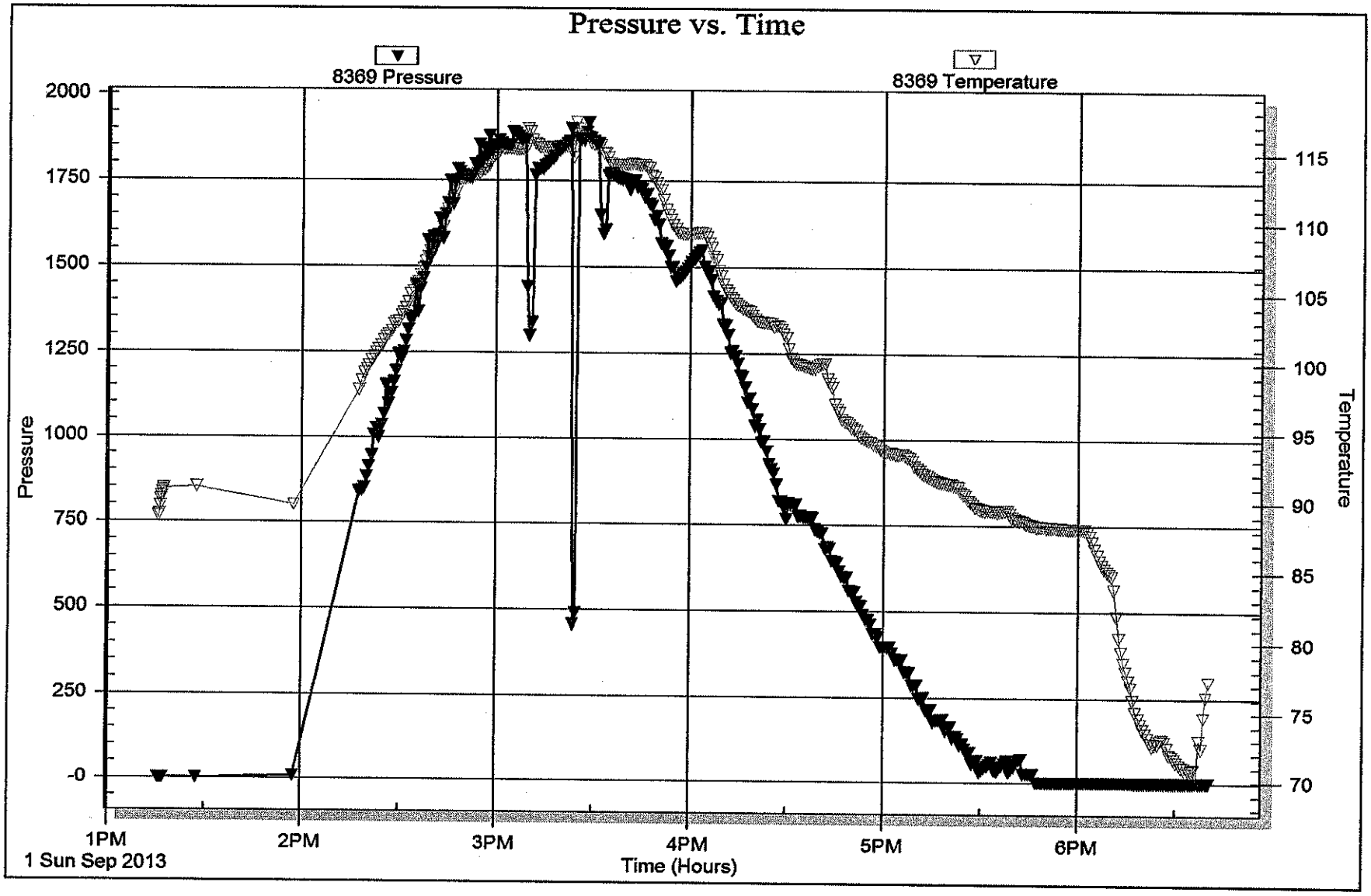
Total Length: 1600.00 ft Total Volume: 22.444 bbl

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

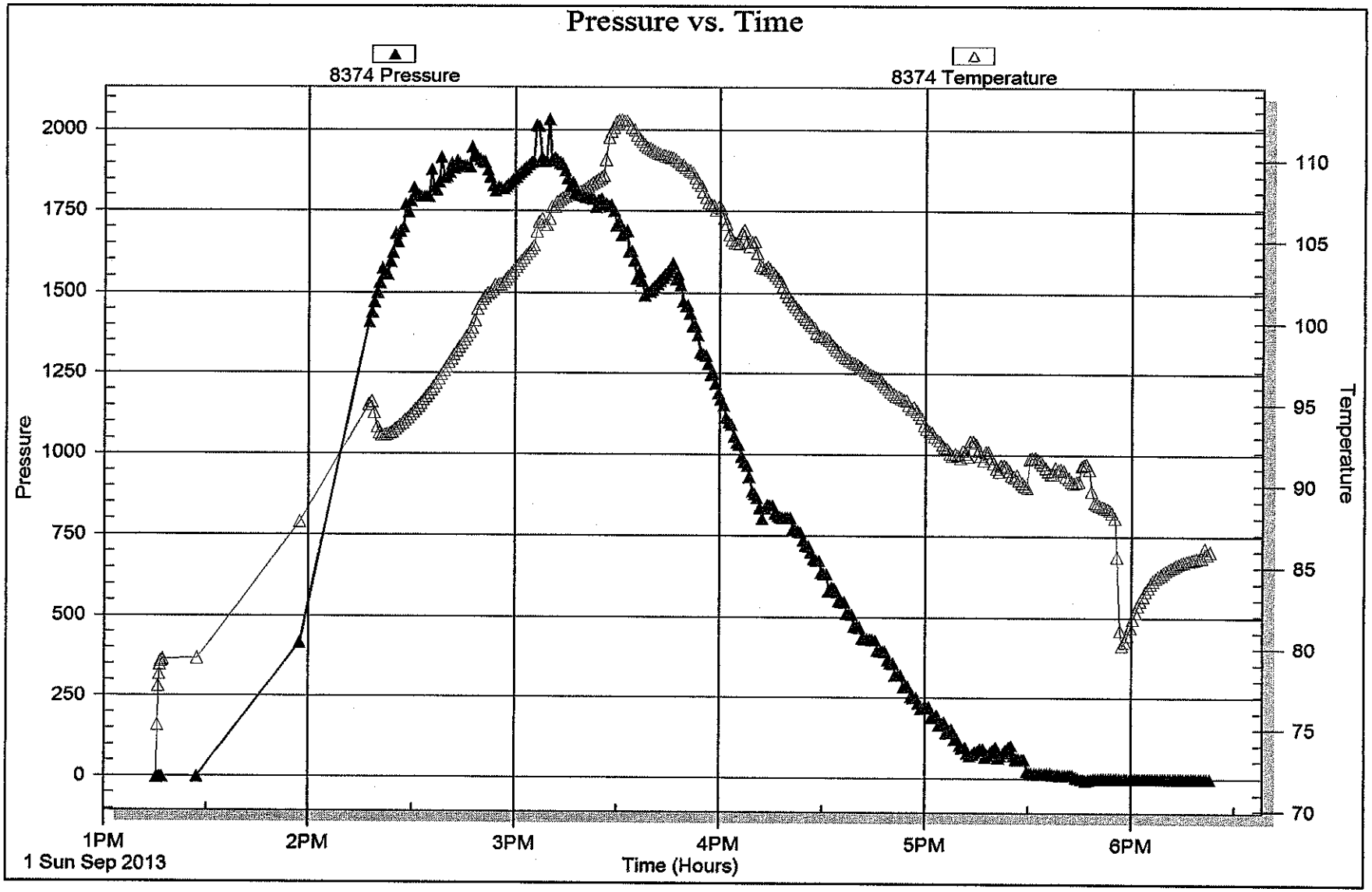
Laboratory Name: Laboratory Location:

Recovery Comments:

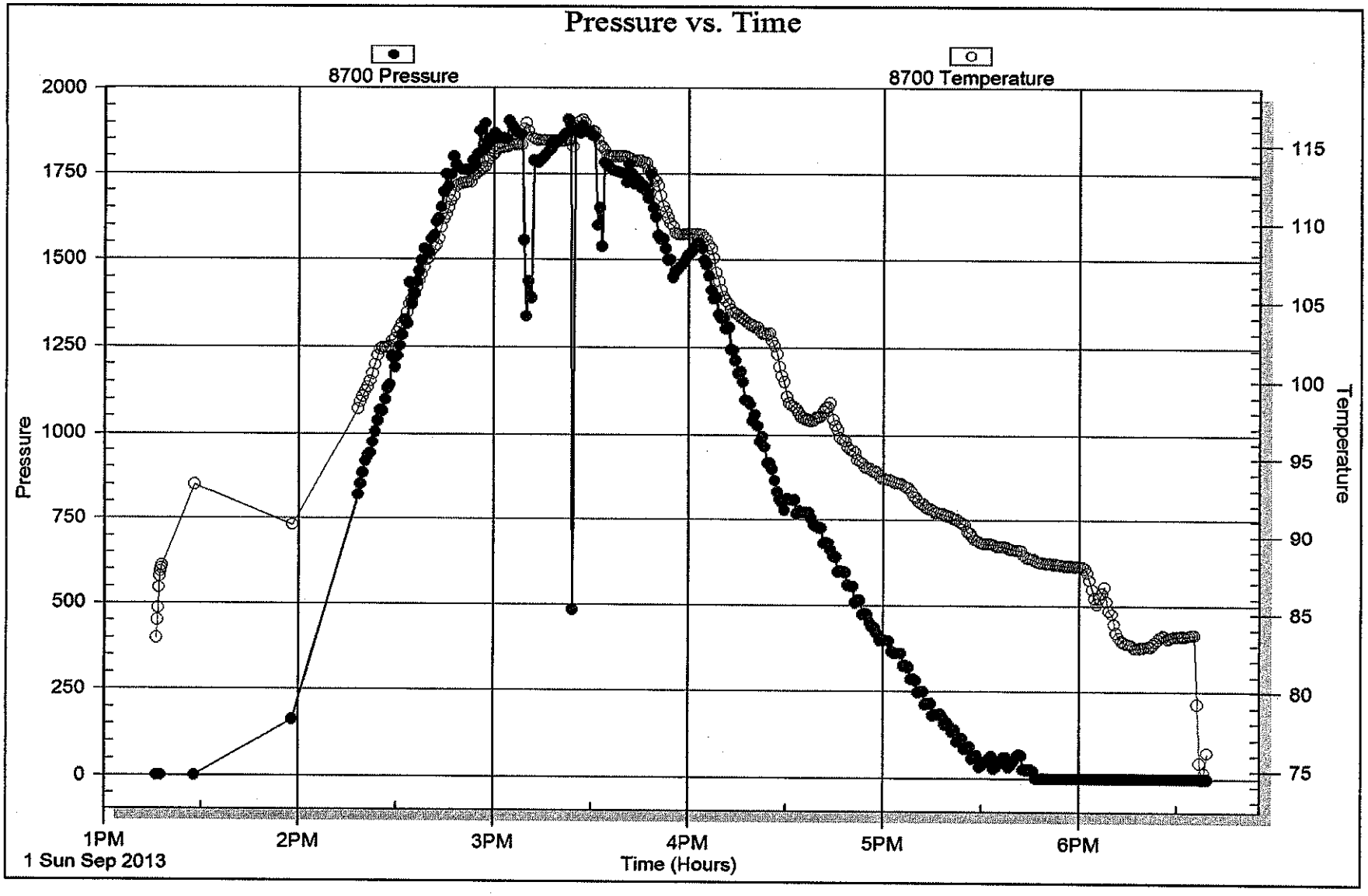
Serial #: 8369 Inside Castle Resources Inc Clayton-Engle #1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 54805 Printed: 2013.09.04 @ 14:59:04


Pressure vs. Time
8374 Pressure
8374 Temperature
Pressure
Temperature
2000
1750
1500
1250
1000
750
500
250
0
110
105
100
95
90
85
80
75
70
1PM
1 Sun Sep 2013
2PM
3PM
4PM
5PM
6PM
Time (Hours)

Serial #: 8700 **Outside** Castle Resources Inc Clayton-Engle #1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 54805 Printed: 2013.09.04 @ 14:59:04

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Castle Resources Inc**

Box 87
Schoenchen KS 67667-0087

ATTN: Jerry Green

Clayton-Engle #1

36-13s-20w Ellis,KS

Start Date: 2013.09.01 @ 19:05:59
End Date: 2013.09.02 @ 02:19:38
Job Ticket #: 54806 DST #: 2

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

Printed: 2013.09.04 @ 14:58:02

DRILL STEM TEST REPORT

Castle Resources Inc

Box 87
Schoenchen KS 67667-0087

ATTN: Jerry Green

36-13s-20w Ellis,KS

Clayton-Engle #1

Job Ticket: 54806 **DST#: 2**

Test Start: 2013.09.01 @ 19:05:59

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:14:24
Time Test Ended: 02:19:38

Test Type: Conventional Straddle (Reset)
Tester: Ray Schwager
Unit No: 70

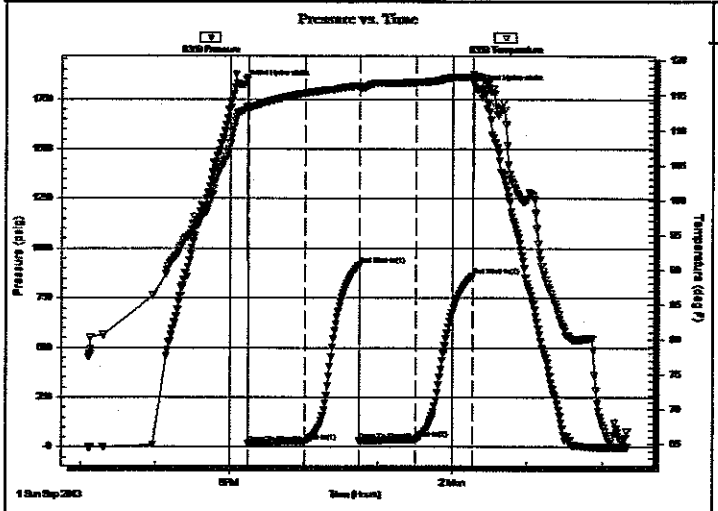
Interval: 3750.00 ft (KB) To 3827.00 ft (KB) (TVD)
Total Depth: 3827.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2232.00 ft (KB)
2227.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8369 **Inside**
Press@RunDepth: 40.64 psig @ 3754.00 ft (KB)
Start Date: 2013.09.01 End Date: 2013.09.02
Start Time: 19:05:59 End Time: 02:19:38

Capacity: 8000.00 psig
Last Calib.: 2013.09.02
Time On Btm: 2013.09.01 @ 21:10:54
Time Off Btm: 2013.09.02 @ 00:19:53

TEST COMMENT: 45-IFP-w k bl thru-out 1/2" to 1" bl
45-ISIP-no bl
45-FFP-w k bl thru-out 1/4" bl
45-FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1824.01	112.83	Initial Hydro-static
4	17.47	113.00	Open To Flow (1)
50	28.92	115.27	Shut-In(1)
94	916.86	116.32	End Shut-In(1)
95	31.04	116.07	Open To Flow (2)
140	40.64	116.83	Shut-In(2)
186	861.97	117.59	End Shut-In(2)
189	1799.56	117.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	65'GIP	0.00
55.00	HO&GCM 5%G35%O60%M	0.77

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Castle Resources Inc

Box 87
Schoenchen KS 67667-0087

ATTN: Jerry Green

36-13s-20w Ellis,KS

Clayton-Engle #1

Job Ticket: 54806 **DST#: 2**

Test Start: 2013.09.01 @ 19:05:59

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:14:24
Time Test Ended: 02:19:38

Test Type: Conventional Straddle (Reset)
Tester: Ray Schwager
Unit No: 70

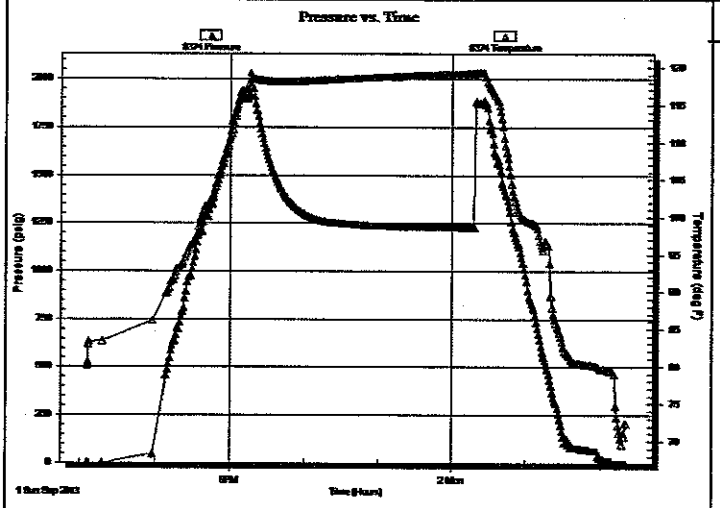
Interval: 3750.00 ft (KB) To 3827.00 ft (KB) (TVD)
Total Depth: 3827.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2232.00 ft (KB)
2227.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8374 **Below (Straddle)**
Press@RunDepth: psig @ 3848.00 ft (KB)
Start Date: 2013.09.01 End Date: 2013.09.02
Start Time: 19:05:11 End Time: 02:21:35

Capacity: 8000.00 psig
Last Calib.: 2013.09.02
Time On Btm:
Time Off Btm:

TEST COMMENT: 45-IFP-w k bl thru-out 1/2" to 1" bl
45-ISIP-no bl
45-FFP-w k bl thru-out 1/4" bl
45-FSIP-no bl



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	65'GIP	0.00
55.00	HO&GCM 5%G35%O60%M	0.77

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Castle Resources Inc

Box 87
Schoenchen KS 67667-0087

ATTN: Jerry Green

36-13s-20w Ellis,KS

Clayton-Engle #1

Job Ticket: 54806 **DST#: 2**

Test Start: 2013.09.01 @ 19:05:59

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:14:24
Time Test Ended: 02:19:38

Test Type: Conventional Straddle (Reset)
Tester: Ray Schwager
Unit No: 70

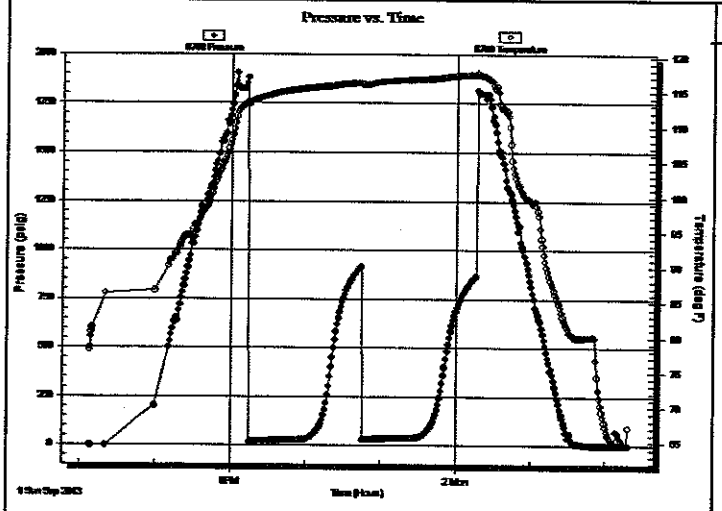
Interval: 3750.00 ft (KB) To 3827.00 ft (KB) (TVD)
Total Depth: 3827.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2232.00 ft (KB)
2227.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8700 **Outside**
Press@RunDepth: psig @ 3754.00 ft (KB)
Start Date: 2013.09.01 End Date: 2013.09.02
Start Time: 19:07:45 End Time: 02:18:54

Capacity: 8000.00 psig
Last Calib.: 2013.09.02
Time On Btm:
Time Off Btm:

TEST COMMENT: 45-IFP-w k bl thru-out 1/2" to 1" bl
45-ISIP-no bl
45-FFP-w k bl thru-out 1/4" bl
45-FSIP-no bl



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	65'GIP	0.00
55.00	HO&GCM 5%G35%O60%M	0.77

* 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

Box 87
Schoenchen KS 67667-0087

ATTN: Jerry Green

36-13s-20w Ellis,KS

Clayton-Engle #1

Job Ticket: 54806 **DST#: 2**

Test Start: 2013.09.01 @ 19:05:59

Tool Information

Drill Pipe:	Length:	3736.00 ft	Diameter:	3.80 inches	Volume:	52.41 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
					Total Volume:	52.41 bbl	

Drill Pipe Above KB:	7.00 ft
Depth to Top Packer:	3750.00 ft
Depth to Bottom Packer:	3827.00 ft
Interval between Packers:	77.00 ft
Tool Length:	217.00 ft
Number of Packers:	3 Diameter: 6.75 inches

Tool Weight:	2200.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	60000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	46000.00 lb
Final	46000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3730.00		
Shut In Tool	5.00			3735.00		
Hydraulic tool	5.00			3740.00		
Packer	5.00			3745.00	21.00	Bottom Of Top Packer
Packer	5.00			3750.00		
Stubb	1.00			3751.00		
Perforations	3.00			3754.00		
Recorder	0.00	8369	Inside	3754.00		
Recorder	0.00	8700	Outside	3754.00		
Blank Spacing	64.00			3818.00		
Perforations	5.00			3823.00		
Blank Off Sub	1.00			3824.00		
Blank Spacing	3.00			3827.00	77.00	Tool Interval
Packer	5.00			3832.00		
Stubb	1.00			3833.00		
Perforations	15.00			3848.00		
Recorder	0.00	8374	Below	3848.00		
Blank Spacing	95.00			3943.00		
Bullnose	3.00			3946.00	119.00	Bottom Packers & Anchor
Total Tool Length:	**217.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Castle Resources Inc

Box 87
Schoenchen KS 67667-0087

ATTN: Jerry Green

36-13s-20w Ellis,KS

Clayton-Engle #1

Job Ticket: 54806 **DST#: 2**

Test Start: 2013.09.01 @ 19:05:59

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:	9.34 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	7000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

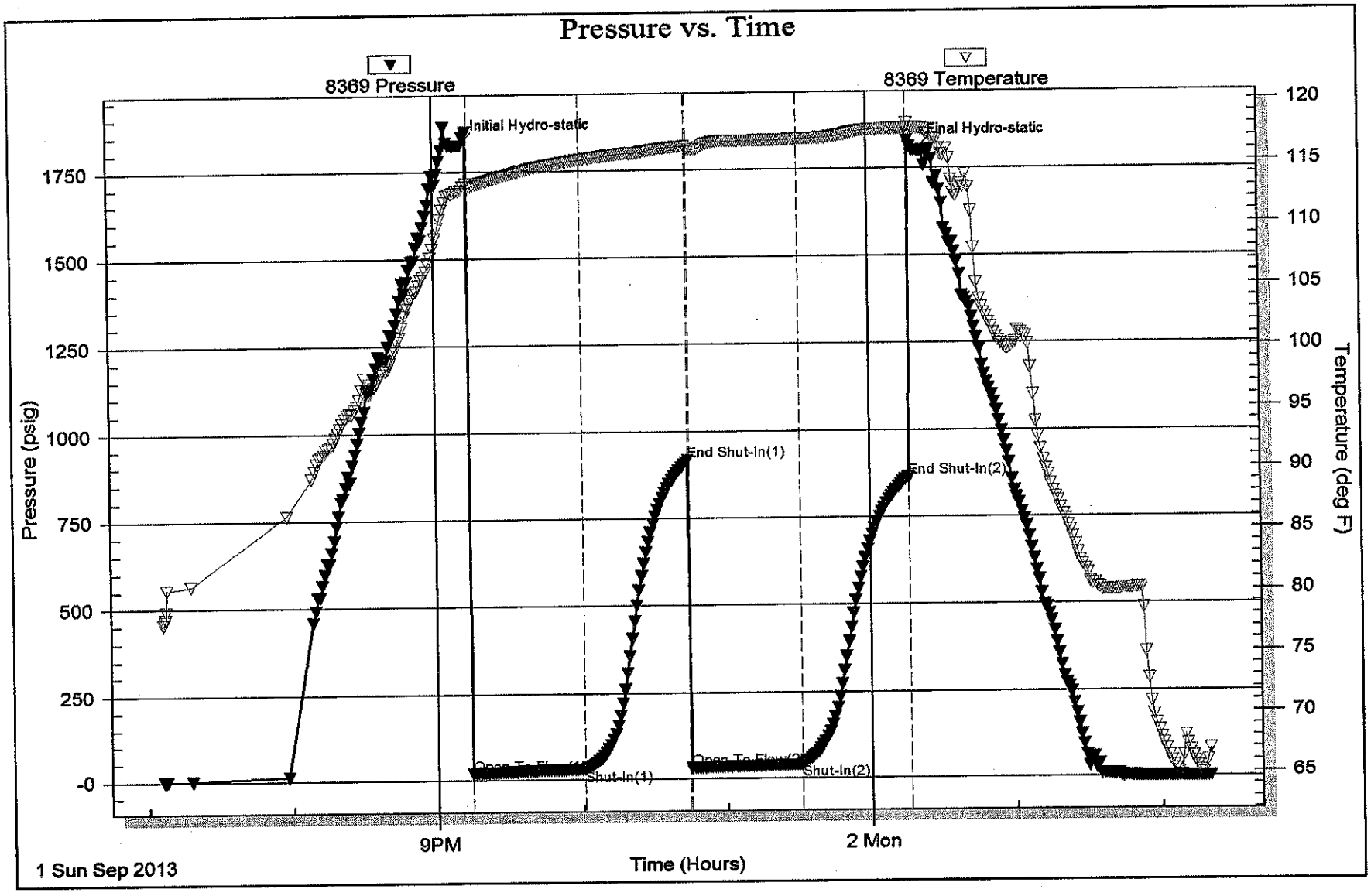
Recovery Table

Length ft	Description	Volume bbl
0.00	65'GIP	0.000
55.00	HO&GCM 5%G35%O60%M	0.772

Total Length: 55.00 ft Total Volume: 0.772 bbl

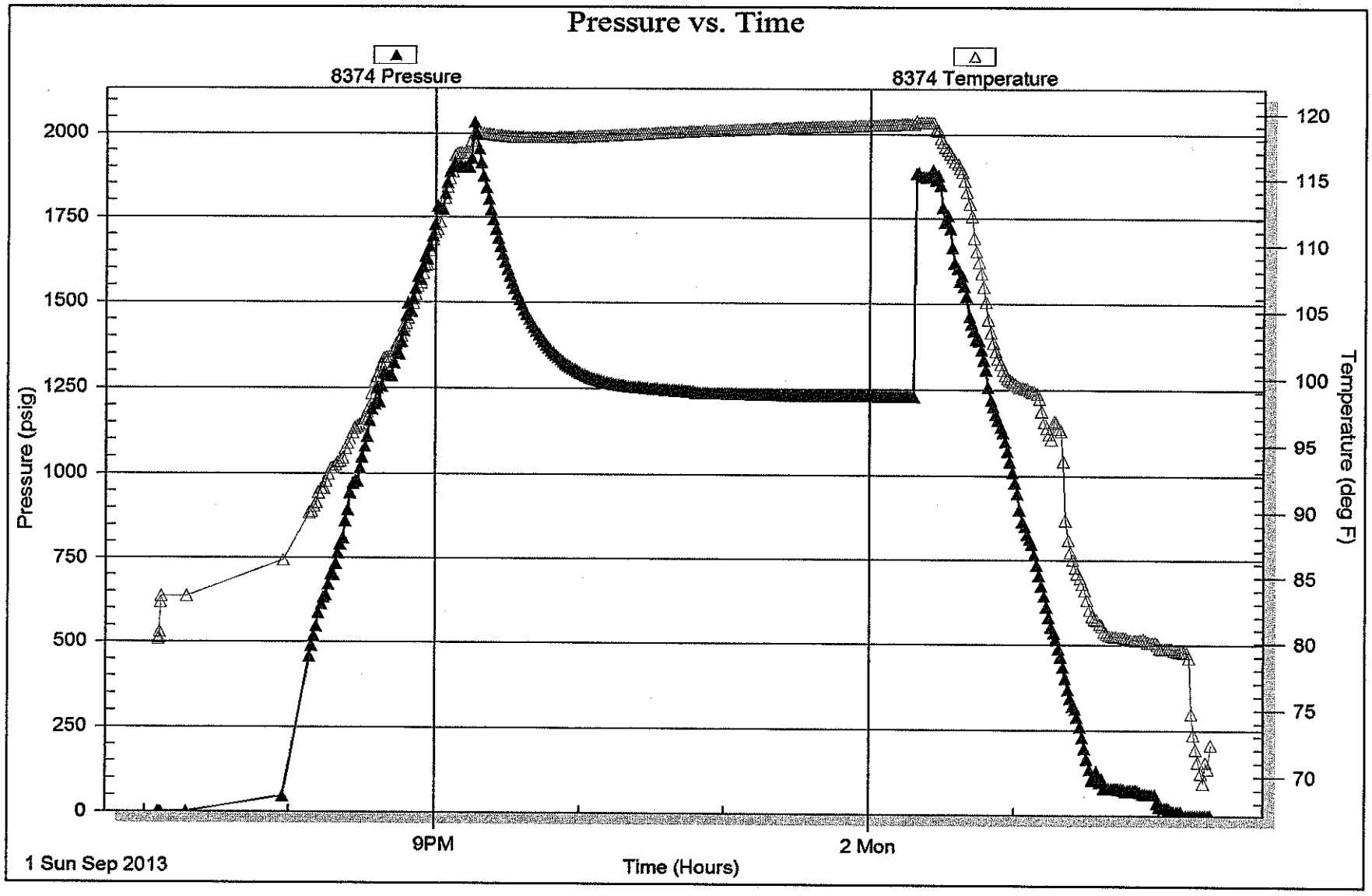
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8369 Inside Castle Resources Inc Clayton-Engle #1 DST Test Number: 2



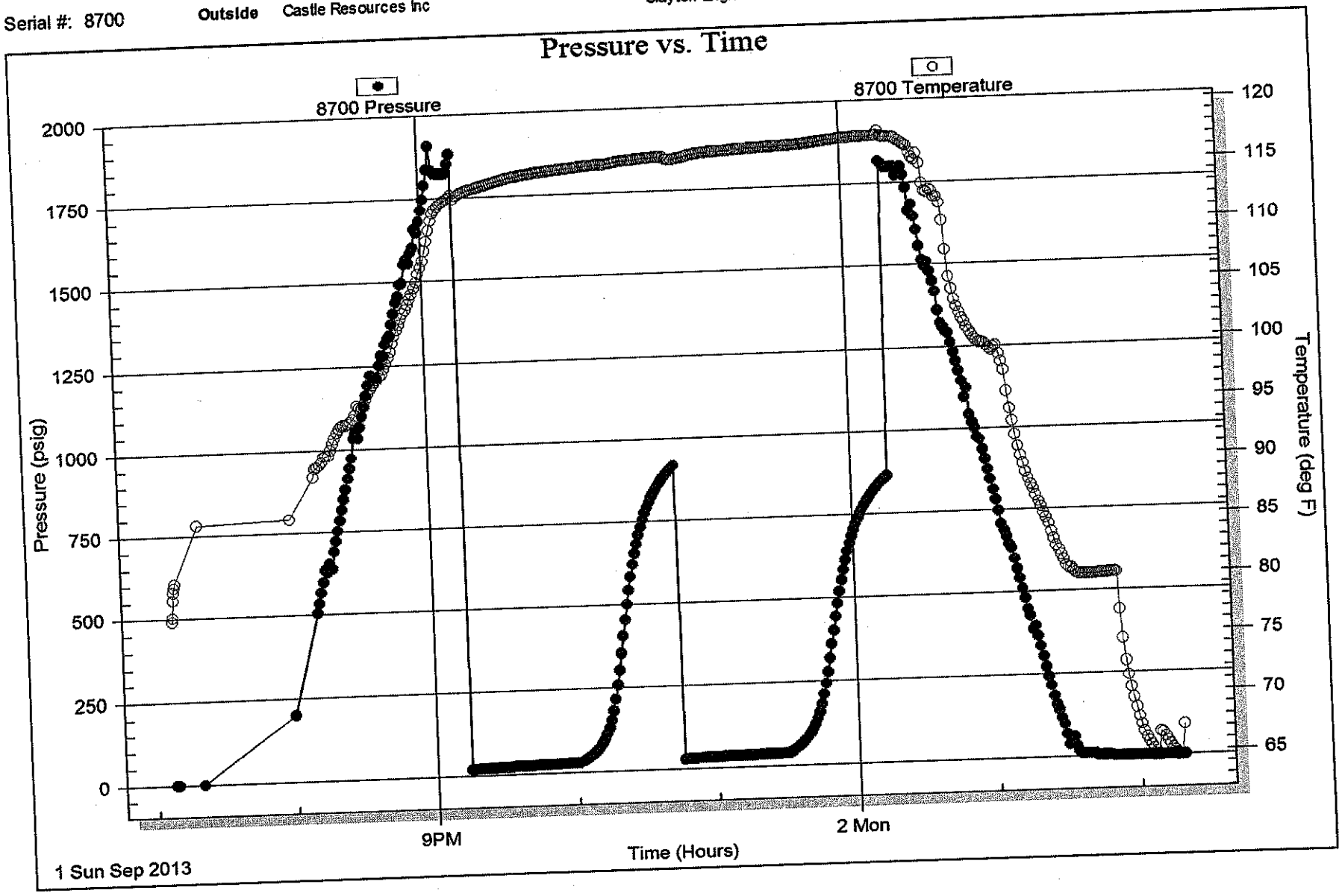
Trilobite Testing, Inc Ref. No: 54806 Printed: 2013.09.04 @ 14:58:03

Serial #: 8374 Below (Straddle) Resources Inc Clayton-Engle #1 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 54806 Printed: 2013.09.04 @ 14:58:04

Serial #: 8700 Outside Castle Resources Inc Clayton-Engle #1 DST Test Number: 2



Printed: 2013.09.04 @ 14:58:04

Trilobite Testing, Inc Ref. No: 54806

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 54805

Well Name & No. Clayton-Engle #1 Test No. 1 Date 9-1-13

Company Castle Resources Inc Elevation 2232 KB 2227 GL

Address Box 87 Schoenchen, Ks 67667-0087

Co. Rep / Geo. Jerry Green Rig White Knight

Location: Sec. 36 Twp. 13S Rge. 20W Co. Ellis State Ks

Interval Tested 3818-3827 Zone Tested Marmaton

Anchor Length 9 Drill Pipe Run 3827 Mud Wt. 9.3

Top Packer Depth 3818-3813 Drill Collars Run — Vis 48

Bottom Packer Depth 3827 Wt. Pipe Run — WL 9.4

Total Depth 3942 Chlorides 7000 ppm System LCM 4#

Blow Description IFP- set packer, did not hold

ISIP -

Rec 1600	Feet of Mud	%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 1600 BHT — Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic	☑ Test 950	T-On Location	1250
(B) First Initial Flow	☐ Jars	T-Started	1315
(C) First Final Flow	☐ Safety Joint	T-Open	
(D) Initial Shut-In	☐ Circ Sub	T-Pulled	
(E) Second Initial Flow	☐ Hourly Standby	T-Out	
(F) Second Final Flow	☑ Mileage 42 RT 65.10	Comments	
(G) Final Shut-In	☐ Sampler		
(H) Final Hydrostatic	☑ Straddle 600	☐ Ruined Shale Packer	
	☑ Shale Packer 250	☐ Ruined Packer	
Initial Open	☐ Extra Packer	☐ Extra Copies	
Initial Shut-In	☐ Extra Recorder	Sub Total	0
Final Flow	☐ Day Standby	Total	1865.10
Final Shut-In	☐ Accessibility	MP/DST Disc't	
	Sub Total 1865.10		

Approved By Our Representative Ray Schwagen Thank you

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 54806

Well Name & No. Clayton-Eagle #1 Test No. 2 Date 9-1-13

Company Castle Resources Inc Elevation 2232 KB 2227 GL

Address Box 87 Schoenchen, Ks 67667-0087

Co. Rep / Geo. Jerry Green Rig White Knight

Location: Sec. 36 Twp. 13S Rge. 20W Co. Ellis State Ks

Interval Tested 3750-3827 Zone Tested Marmaton

Anchor Length 77 Drill Pipe Run 3736 Mud Wt. 9.3

Top Packer Depth 3750-3745 Drill Collars Run — Vis 48

Bottom Packer Depth 3827 Wt. Pipe Run — WL 9.4

Total Depth 3942 Chlorides 7000 ppm System LCM 4#

Blow Description IFP - Weak Blow Thru-out ½" To 1" Blow
TSIP - NO Blow
FFP - Weak Blow Thru-out ¼" Blow
FSIP - NO Blow

Rec 65	Feet of GIP		%gas	%oil	%water	%mud
Rec 55	Feet of HO+GCM	5	%gas	35 %oil	%water	60 %mud
Rec	Feet of		%gas	%oil	%water	%mud
Rec	Feet of		%gas	%oil	%water	%mud
Rec	Feet of		%gas	%oil	%water	%mud

Rec Total 55 BHT 117 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1824	☑ Test 1150	T-On Location 1845	
(B) First Initial Flow 17	☐ Jars	T-Started 1905	
(C) First Final Flow 28	☐ Safety Joint	T-Open 2115	
(D) Initial Shut-In 916	☐ Circ Sub	T-Pulled 0015	
(E) Second Initial Flow 31	☐ Hourly Standby	T-Out 0219	
(F) Second Final Flow 40	☑ Mileage N/C	Comments	
(G) Final Shut-In 861	☐ Sampler		
(H) Final Hydrostatic 1799	☑ Straddle 600	☐ Ruined Shale Packer	
	☑ Shale Packer 250	☐ Ruined Packer	
Initial Open 45	☐ Extra Packer	☐ Extra Copies	
Initial Shut-In 45	☐ Extra Recorder	Sub Total 0	
Final Flow 45	☐ Day Standby	Total 2000	
Final Shut-In 45	☐ Accessibility	MP/DST Disc't	
	Sub Total 2000		

Approved By _____ Our Representative Ray Schwager Thank you

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form CDP-4
April 2004
Form must be Typed

CLOSURE OF SURFACE PIT

Operator Name: Castle Resources, Inc.	License Number: 9860
Operator Address: BOX 87 SCHOENCHEN KS 67667-0087	
Contact Person: Jerry Green	Phone Number: (785) 625 - 5155
Permit Number *(API No. if applicable)*: 15-051-26536-00-00	Lease Name & Well No.: Clayton Engle #1
Type of Pit: ☐ Emergency Pit ☑ Burn Pit ☐ Settling Pit ☑ Drilling Pit ☐ Workover Pit ☐ Haul-Off Pit	Pit Location (QQQQ): ____ - ____ - ____ - ____ Sec. ____ Twp. ____ R. ____ ☐ East ☐ West ____ Feet from ☐ North / ☐ South Line of Section ____ Feet from ☐ East / ☐ West Line of Section ____ County

Date of closure: ____

Was an artificial liner used? ☐ Yes ☒ No

If no, how were the sides and bottom sealed to prevent downward migration of the pit contents?

Sealed w/ Bentonite

Abandonment procedure of pit:

allowed to dry, backfill

The undersigned hereby certifies that he / she is ____ for ____ (Co.), a duly authorized agent, that all information shown hereon is true and correct to the best of his /her knowledge and belief.

____
Signature of Applicant or Agent

Subscribed and sworn to me on this ____ day of ____, ____

____
Notary Public

My Commission Expires: ____

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202