



KANSAS CORPORATION COMMISSION 1094751  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
June 2009  
Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 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 # 34481  
Name: Tornado Drilling Company, LLC  
Wellsite Geologist: Jerry Green  
Purchaser: United Petroleum

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  
 Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_

<u>04/14/2012</u>	<u>04/21/2012</u>	<u>5/18/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-137-20604-00-00

Spot Description: \_\_\_\_\_

NW SE NE SW Sec. 24 Twp. 5 S. R. 22  East  West  
1840 Feet from  North /  South Line of Section  
2040 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Norton

Lease Name: McKinley Well #: 1

Field Name: wildcat

Producing Formation: Granite

Elevation: Ground: 2305 Kelly Bushing: 2313

Total Depth: 3805 Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: 288 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 10000 ppm Fluid volume: 300 bbls

Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: Jim D. Clark dba Cla-Mar

Lease Name: Dechant License #: 6509

Quarter SW Sec. 17 Twp. 14 S. R. 18  East  West

County: Ellis Permit #: D24904

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: Deanna Gamsor Date: 10/11/2012



1094751

Operator Name: Castle Resources, Inc. Lease Name: McKinley Well #: 1  
 Sec. 24 Twp. 5 S. R. 22  East  West County: Norton

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <b>Attached</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Heebner</td> <td>3435</td> <td>-1132</td> </tr> <tr> <td>Lansing-KC</td> <td>3478</td> <td>-1175</td> </tr> <tr> <td>Base-KC</td> <td>3667</td> <td>-1364</td> </tr> <tr> <td>Reagan Sand</td> <td>3733</td> <td>-1430</td> </tr> <tr> <td>Granite</td> <td>3794</td> <td>-1491</td> </tr> <tr> <td>RTD</td> <td>3805</td> <td>-1502</td> </tr> </tbody> </table>	Name	Top	Datum	Heebner	3435	-1132	Lansing-KC	3478	-1175	Base-KC	3667	-1364	Reagan Sand	3733	-1430	Granite	3794	-1491	RTD	3805	-1502
Name	Top	Datum																				
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Base-KC	3667	-1364																				
Reagan Sand	3733	-1430																				
Granite	3794	-1491																				
RTD	3805	-1502																				

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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	24	288	common	185	3%CC 2% gel
long string	7.88	5.5	14	3792	common	380	60/40 poz

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	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
4	3647-50	2000 acid	
4	3478-82	2000 acid	
4	3462-66	2000 acid	

TUBING RECORD:	Size: <u>2 3/8</u>	Set At: <u>3753</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>05/19/2012</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3462-3650</u>
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Form	ACO1 - Well Completion
Operator	Castle Resources, Inc.
Well Name	McKinley 1
Doc ID	1094751

All Electric Logs Run

Micro Resistivity
Neutron
Radiation Guard
Borehole Sonic
Dual Induction



**CONSOLIDATED**  
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

TICKET NUMBER 3440  
LOCATION Oakley Ks  
FOREMAN Walt Dinkel

34466

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-21-12	3387	McKinley #1	24	5 <sup>s</sup>	R2 <sup>w</sup>	Norton
CUSTOMER Castle Resources			Hill City			
MAILING ADDRESS			14N			
CITY			47 <sup>th</sup> E			
STATE			3N			
ZIP CODE						
TRUCK #	DRIVER	TRUCK #	DRIVER			
489	Josh Gubala					
439	Bobby Strained					
528-T127	Wes Flynn					

JOB TYPE Prod-DV HOLE SIZE 7 7/8 HOLE DEPTH 3800' CASING SIZE & WEIGHT 5 1/2 - 14#  
 CASING DEPTH 3792' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.2 12 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 25.37  
 DISPLACEMENT 92 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety Meeting, Rig up on Tornado Ddy, circ casing on bottom 1 Hr.  
Pumped 500 gal Mud Flush, mixed 150 sks OWC, 5# Kalseal, clear Pump + Lines  
release Plug, Displace 46 BBL H<sub>2</sub>O + 46 BBL mud @ 700 #, Landed Plug @ 1200 #  
released Pressure, Float Held, open DV Tool, circ. 45 min,  
Mixed 30 sks in A.H., mixed 380 sks 69/4<sup>th</sup> pap, 88 gal, 1/4<sup>th</sup> Flaseal, clear Pump  
+ Lines, release Plug + Displace 48 BBL H<sub>2</sub>O @ 650 #, Landed Plug @ 1700 #  
release Pressure, Tool Held  
Connect Did Circ

Thank You  
Walt + crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401P	1	PUMP CHARGE	2700 <sup>00</sup>	2,700 <sup>00</sup>
5406	40	MILEAGE	5 <sup>00</sup>	200 <sup>00</sup>
1126	150 sks	OWC	22 <sup>55</sup>	3,382 <sup>50</sup>
110A	750 #	Kalseal	156	420 <sup>00</sup>
1144G	500 gal	Mud Flush	1 <sup>00</sup>	500 <sup>00</sup>
1131	380 sks	69/4 <sup>th</sup> pap	1510	5738 <sup>00</sup>
118B	2616 #	Bentonite Gel	125	654 <sup>00</sup>
1107A	95 #	Flaseal	282	267 <sup>90</sup>
5407A	23.39	Ton Mileage Delivery	167	1,562 <sup>40</sup>
4159	1	5 1/2 AFI Float Shoe	413 <sup>00</sup>	413 <sup>00</sup>
4130	6	5 1/2 Centralizers	58 <sup>00</sup>	348 <sup>00</sup>
4104	3	5 1/2 Baskets	276 <sup>00</sup>	828 <sup>00</sup>
4283	1	5 1/2 DV Tool w/ Latchclaw	388 <sup>00</sup>	388 <sup>00</sup>
				20,863 <sup>80</sup>
		Less 10% Disc		2,086 <sup>39</sup>
				18,777 <sup>41</sup>
		SALES TAX		1040.68
		ESTIMATED TOTAL		19,818.10

Ravin 3737

AUTHORIZATION Jeff Crawford TITLE 249040 DATE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

565

REMIT TO  
 RR 1 BOX 90D  
 HOXIE KS 67740

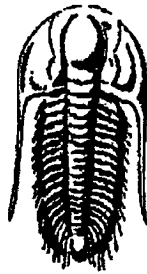
SCHIPPERS OIL FIELD SERVICE L.L.C.

DATE: 9/9/82	SEC: 74	RANGE/TWP: 5-27	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE: Mc Kinley				WELL: 1		

CONTRACTOR	Top grade Drilling	OWNER	Cast		
TYPE OF JOB					
HOLE SIZE	12 1/4	T.D.	288		
CASING SIZE	6 3/4	DEPTH	276.59	CEMENT	AMOUNT ORDERED 185
TUBING SIZE		DEPTH			
DRILL PIPE	4 1/2	DEPTH			
TOOL		DEPTH			
PRES. MAX		MINIMUM		COMMON	185 @ 15.25 2,857.5
DISPLACEMENT	1706	SHOE JOINT		POZMIX	@
CEMENT LEFT IN CSG.				GEL	4 @ 26 104
PERFS				CHLORIDE	6 @ 52 312
				ASC	@
EQUIPMENT					@
PUMP TRUCK					@
#					@
BULK TRUCK					@
#					@
BULK TRUCK					@
#					@
				HANDLING	185 @ 2.25 419.25
				MILEAGE	55 @ 19.50 1,072.50
				TOTAL	

REMARKS

SERVICE



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Castle Resources**

PO Box 87  
Schoenchen, KS 67667

ATTN: Jerry Green

**McKinley #1**

**24-5s-22w Norton,KS**

Start Date: 2012.04.19 @ 10:13:00

End Date: 2012.04.19 @ 18:31:30

Job Ticket #: 46121                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

# ORIGINAL

Printed: 2012.05.04 @ 09:46:37

Castle Resources

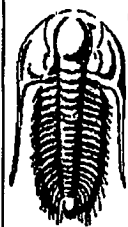
24-5s-22w Norton,KS

McKinley #1

DST # 1

Toronto - LKC "A,B,C

2012.04.19



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

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

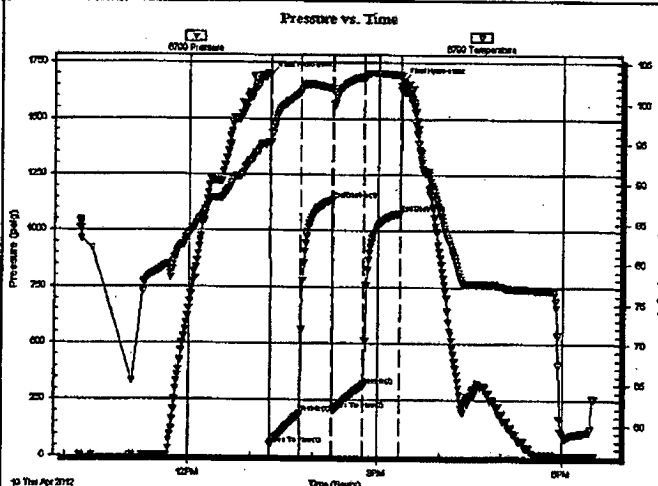
24-5s-22w Norton, KS  
 McKinley #1  
 Job Ticket: 46121 DST#: 1  
 Test Start: 2012.04.19 @ 10:13:00

## GENERAL INFORMATION:

Formation: **Toronto - LKC "A,B,C**  
 Deviated: **No Whipstock:** ft (KB)  
 Time Tool Opened: 13:18:45  
 Time Test Ended: 18:31:30  
 Interval: **3429.00 ft (KB) To 3514.00 ft (KB) (TVD)**  
 Total Depth: **3514.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Good**  
 Test Type: **Conventional Bottom Hole (Initial)**  
 Tester: **Kevin Mack**  
 Unit No: **43**  
 Reference Elevations: **2315.00 ft (KB)**  
**2305.00 ft (CF)**  
 KB to GR/CF: **10.00 ft**

**Serial #: 6799** Inside  
 Press@RunDepth: **316.89 psig @ 3430.00 ft (KB)** Capacity: **8000.00 psig**  
 Start Date: **2012.04.19** End Date: **2012.04.19** Last Calib.: **2012.04.19**  
 Start Time: **10:13:05** End Time: **18:31:29** Time On Btm: **2012.04.19 @ 13:17:45**  
 Time Off Btm: **2012.04.19 @ 15:23:00**

**TEST COMMENT:** IF- BoB in 3 min.  
 IS- BoB in 12 min.  
 FF- BoB in 3 min.  
 FS- BoB in 7 min.



## PRESSURE SUMMARY

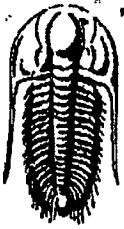
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1693.50	95.14	Initial Hydro-static
1	54.88	95.09	Open To Flow (1)
29	191.04	101.44	Shut-In(1)
59	1138.27	101.97	End Shut-In(1)
60	207.62	101.48	Open To Flow (2)
89	316.89	103.26	Shut-In(2)
124	1081.04	103.57	End Shut-In(2)
126	1666.35	102.18	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	Gas to Surface at Final Shut In.	0.00
300.00	GMCO 10G 20M 70o	4.21
500.00	Clean Gassy Oil 20G 80o	7.01

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Castle Resources

24-5s-22w Norton, KS

PO Box 87  
Schoenchen, KS 67667

McKinley #1

Job Ticket: 46121

DST#: 1

ATTN: Jerry Green

Test Start: 2012.04.19 @ 10:13:00

### Tool Information

Drill Pipe:	Length: 3428.00 ft	Diameter: 3.80 inches	Volume: 48.09 bbl	Tool Weight: 2500.00 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: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 35000.00 lb
			<u>Total Volume: 48.09 bbl</u>	Tool Chased: ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	3429.00 ft			Final 33000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	85.00 ft			
Tool Length:	106.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

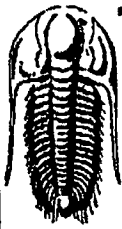
Tool Comments:

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3409.00	
Shut In Tool	5.00			3414.00	
Hydraulic tool	5.00			3419.00	
Packer	5.00			3424.00	21.00 Bottom Of Top Packer
Packer	5.00			3429.00	
Stubb	1.00			3430.00	
Recorder	0.00	8648	Inside	3430.00	
Recorder	0.00	6799	Inside	3430.00	
Perforations	15.00			3445.00	
Change Over Sub	1.00			3446.00	
Drill Pipe	62.00			3508.00	
Change Over Sub	1.00			3509.00	
Bullnose	5.00			3514.00	85.00 Bottom Packers & Anchor

**Total Tool Length: 106.00**





**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

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

24-5s-22w Norton, KS  
McKinley #1  
Job Ticket: 46121      DST#: 1  
Test Start: 2012.04.19 @ 10:13:00

**Mud and Cushion Information**

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 48.00 sec/qt  
Water Loss: 6.19 in<sup>3</sup>  
Resistivity: 0.00 ohm.m  
Salinity: 500.00 ppm  
Filter Cake: 1.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

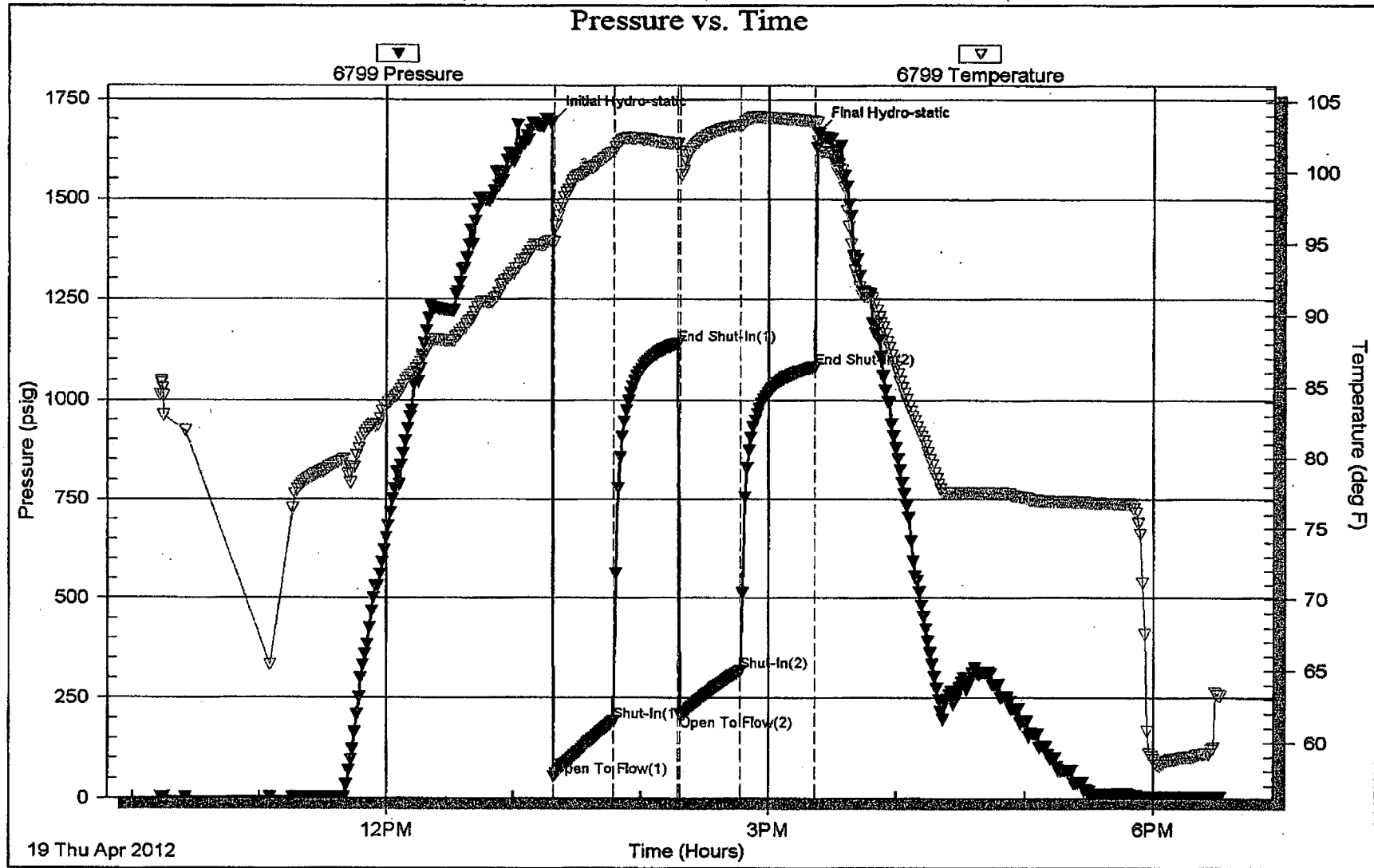
Oil API: 30 deg API  
Water Salinity: ppm

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
0.00	Gas to Surface at Final Shut In.	0.000
300.00	GMCO 10G 20M 70o	4.208
500.00	Clean Gassy Oil 20G 80o	7.014

Total Length: 800.00 ft      Total Volume: 11.222 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments: Oil API 31 @ 70 deg. = 30





**TRILOBITE TESTING INC.**

P.O. Box 1733 - Hays, Kansas 67601

RECEIVED  
APR 27 2012

**Test Ticket**

NO. 46121

Well Name & No. McKinley #1 Test No. 1 Date 4-19-12  
 Company Castle Resources, Inc. Elevation 2315 KB 2305 GL  
 Address P.O. Box 87 Schoerchen, KS 67667  
 Co. Rep / Geo. Jerry Green Rig Tornado #1  
 Location: Sec. 24 Twp. 53 Rge. 22w Co. Norton State KS

Interval Tested 3429-3514 Zone Tested Tornado - LKC "A,B,C"  
 Anchor Length 85' Drill Pipe Run 3428 Mud Wt. 9.1  
 Top Packer Depth 3425 Drill Collars Run 0 Vis 48  
 Bottom Packer Depth 3429 Wt. Pipe Run 0 WL 6.2  
 Total Depth 3514 Chlorides 500 ppm System LCM 1#

Blow Description IF - BOB in 3 min  
IS - BOB in 12 min  
FF - BOB in 3 min  
FS - BOB in 7

Rec	Feet of	%gas	%oil	%water	%mud
<u>500</u>	<u>Lean Gassy Oil</u>	<u>20</u>	<u>30</u>		
<u>300</u>	<u>AGMCO</u>	<u>10</u>	<u>70</u>	<u>20</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 800 BHT 103 Gravity 3 API RW - @ - °F Chlorides - ppm  
 (A) Initial Hydrostatic 1693  Test 1150' T-On Location 9:20 AM  
 (B) First Initial Flow 54  Jars - T-Started 10:13 AM  
 (C) First Final Flow 191  Safety Joint - T-Open 1:17 PM  
 (D) Initial Shut-In 1138  Circ Sub N/K T-Pulled 3:17 PM  
 (E) Second Initial Flow 207  Hourly Standby 1/4 hr 25' T-Out 6:32 PM  
 (F) Second Final Flow 316  Mileage 128 RT 198.40 Comments Gas to surface  
 (G) Final Shut-In 1081  Sampler - wt FS  
 (H) Final Hydrostatic 1666  Straddle -  
 Ruined Shale Packer  
 Ruined Packer  
 Extra Copies

Initial Open 30  Extra Packer  
 Initial Shut-In 30  Extra Recorder  
 Final Flow 30  Day Standby  
 Final Shut-In 30  Accessibility  
 Sub Total 1373.40 Sub Total 1373.40  
 MP/DST Disc't -

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.