



**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

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

Spud Date or Recompletion Date      Date Reached TD      Completion Date or Recompletion Date

API No. 15 - \_\_\_\_\_

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

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

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

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ 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: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

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**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1094751

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**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 type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input 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

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

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  
 Flowing    Pumping    Gas Lift    Other (Explain) \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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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 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: _____ _____
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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



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

344060  
↓

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
4-21-12	3387	Mckinley #1	24	55	22 <sup>W</sup>	Norton	
CUSTOMER Castle Resources		Hill City 14N 47 <sup>4</sup> E 3N		TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS				489	Josh Gurdalo		
CITY		STATE		439	Bobby Stewart		
ZIP CODE				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 Day, circ casing on bottom 1 Hr.  
Pumped 500 gal Mud Flush, mixed 150 sks OWC, 5# Kalsol, 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 P.H., mixed 380 sks 69/46 par, 8% gel, 1/4" Flaseal, clear Pump  
+ Lines, release Plug + Displace 48 BBL H<sub>2</sub>O @ 650 #, Landed Plug @ 1700 #  
release Pressure, Tool Held  
Cement Did Circ

Thank You  
Walt + crew

463  
463

127

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>
1110A	750 #	Kalsol	156	420 <sup>00</sup>
1144G	500 gal	Mud Flush	1 <sup>00</sup>	500 <sup>00</sup>
1131	380 sks	69/46 par	15 <sup>10</sup>	5,738 <sup>00</sup>
1118B	2616 #	Bentonite Gel	125	694 <sup>00</sup>
1107D	95 #	Flaseal	2 <sup>82</sup>	267 <sup>90</sup>
5407A	23.39	Ton Mileage Delivery	167	1,562 <sup>40</sup>
4159	1	5 1/2 AFU 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/ Latchclaws	3850 <sup>00</sup>	3,850 <sup>00</sup>
				20,863 <sup>80</sup>
		Less 10% Disc		2,086 <sup>38</sup>
				18,777 <sup>42</sup>
		SALES TAX		1040.68
		ESTIMATED TOTAL		19818.10

Ravin 3737

AUTHORIZATION Jeff Crawford TITLE 249040

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

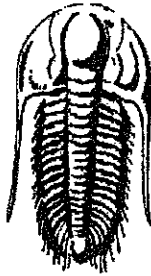
SCHIPPERS OIL FIELD SERVICE L.L.C.

REMIT TO  
RR 1 BOX 90 D  
HOXIE KS 67740

DATE <i>4/14/2</i>	SEC. <i>24</i>	RANGE/TWP. <i>(S) 5-22</i>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
					COUNTY <i>Butte</i>	STATE <i>KS</i>
LEASE <i>McKinley</i>			WELL # <i>1</i>			

CONTRACTOR <i>Tecopa Drilling</i>	OWNER <i>Cat</i>				
TYPE OF JOB					
HOLE SIZE <i>12 1/4</i>	T.D. <i>288</i>	CEMENT			
CASING SIZE <i>8 5/8</i>	DEPTH <i>276.59</i>	AMOUNT ORDERED	<i>AS</i>		
TUBING SIZE	DEPTH				
DRILL PIPE <i>4 1/2</i>	DEPTH				
TOOL	DEPTH				
PRES. MAX	MINIMUM	COMMON	<i>155</i>	@ <i>15<sup>00</sup></i>	<i>2,857.5</i>
DISPLACEMENT <i>170 1/4</i>	SHOE JOINT	POZMIX		@	
CEMENT LEFT IN CSG.		GEL	<i>4</i>	@ <i>26</i>	<i>104</i>
PERFS		CHLORIDE	<i>6</i>	@ <i>52</i>	<i>312</i>
		ASC		@	
EQUIPMENT				@	
				@	
PUMP TRUCK				@	
#				@	
BULK TRUCK				@	
#				@	
BULK TRUCK				@	
#				@	
		HANDLING	<i>155</i>	@ <i>2<sup>50</sup></i>	<i>419.25</i>
		MILEAGE	<i>55</i>	@ <i>19<sup>50</sup></i>	<i>1,072<sup>50</sup></i>
				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**

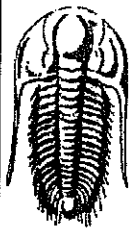
Start Date: 2012.04.19 @ 10:13:00  
End Date: 2012.04.19 @ 18:31:30  
Job Ticket #: 46121                      DST #: 1

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

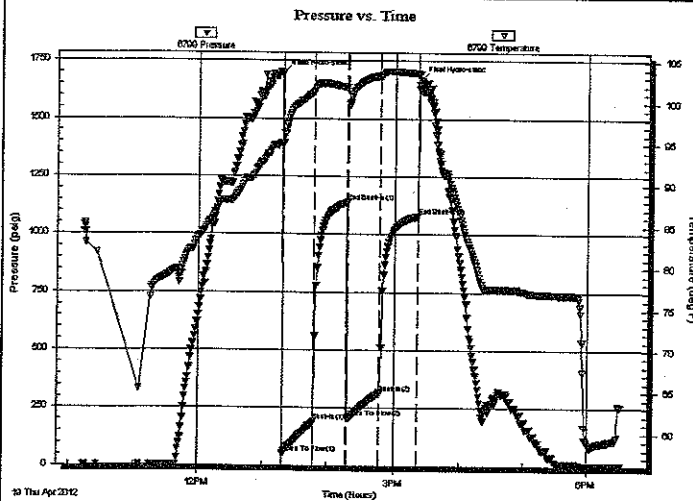
**24-5s-22w Norton, KS**  
**McKinley #1**  
 Job Ticket: 46121      **DST#: 1**  
 Test Start: 2012.04.19 @ 10:13:00

## 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**  
    **18:31:29**      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

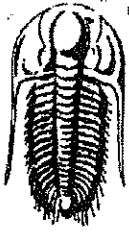
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1693.50	95.14	Initial Hydro-static
1	54.88	95.09	Open To Flow (1)
29	191.04	101.44	Shut-In(1)
59	1138.27	101.97	End Shut-In(1)
60	207.62	101.48	Open To Flow (2)
89	316.89	103.26	Shut-In(2)
124	1081.04	103.57	End Shut-In(2)
126	1666.35	102.18	Final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

### 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		

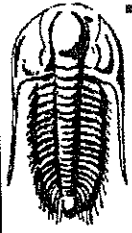
Tool Comments:

### 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	Cushion Type:	Oil API: 30 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.19 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 500.00 ppm		
Filter Cake: 1.00 inches		

**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

Serial #: 6799

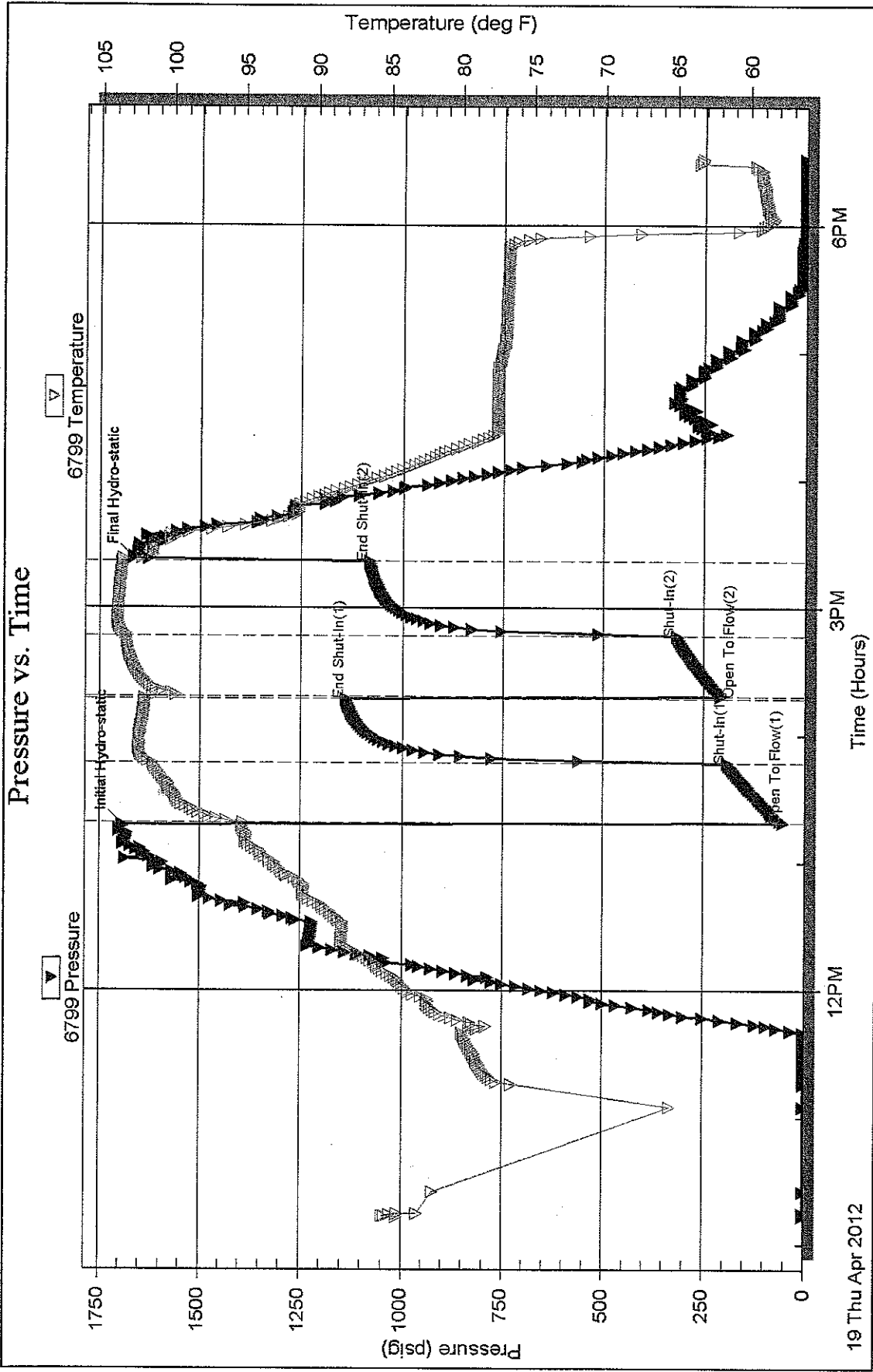
Inside

Castle Resources

McKinley #1

DST Test Number: 1

### Pressure vs. Time

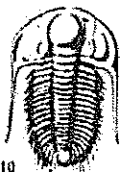


19 Thu Apr 2012

12 PM

3 PM

6 PM



# 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 PO Box 87 Schoenchen, KS 67667  
 Co. Rep / Geo. Jerry Green Rig Tornado #1  
 Location: Sec. 24 Twp. 5s Rge. 22w Co. Norton State KS

Interval Tested 3429-3514 Zone Tested Toronto - LKC "A,B,C"  
 Anchor Length 85' Drill Pipe Run 3428 Mud Wt. 9.1  
 Top Packer Depth 3425 Drill Collars Run Ø Vis 48  
 Bottom Packer Depth 3429 Wt. Pipe Run Ø 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>Clean Gassy Oil</u>	<u>20</u>	<u>30</u>		
<u>300</u>	<u>CMCO</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/C 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  
 Initial Shut-In 30  
 Final Flow 30  
 Final Shut-In 30  
 Day Standby  
 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.