

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

**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

Gas  DH  EOR

OG  GSW

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 EOR  Conv. to SWD

Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

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

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

Datum:  NAD27  NAD83  WGS84

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

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

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

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

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

Total Vertical 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**

Confidentiality Requested

Date: \_\_\_\_\_

Confidential Release Date: \_\_\_\_\_

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

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

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

**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 <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 Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No  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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

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>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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## DRILL STEM TEST REPORT

Prepared For: **Castle Resources**

PO Box 583  
Russell KS 67665

ATTN: Jerry Green

### **Kennedy #1**

#### **3-9s-28w Sheridan,KS**

Start Date: 2022.05.31 @ 19:15:00

End Date: 2022.06.01 @ 01:31:00

Job Ticket #: 58650                      DST #: 1

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

Printed: 2022.06.03 @ 10:53:23



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Castle Resources

**3-9s-28w Sheridan,KS**

PO Box 583  
Russell KS 67665

**Kennedy #1**

Job Ticket: 58650

**DST#: 1**

ATTN: Jerry Green

Test Start: 2022.05.31 @ 19:15:00

## GENERAL INFORMATION:

Formation: **LKC I - L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:18:45

Time Test Ended: 01:31:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Terry

Unit No: 75

**Interval: 4100.00 ft (KB) To 4210.00 ft (KB) (TVD)**

Reference Elevations: 2808.00 ft (KB)

Total Depth: 4210.00 ft (KB) (TVD)

2803.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 5.00 ft

**Serial #: 8320 Outside**

Press@RunDepth: 24.47 psig @ 4104.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.05.31

End Date:

2022.06.01

Last Calib.: 2022.05.31

Start Time: 19:15:05

End Time:

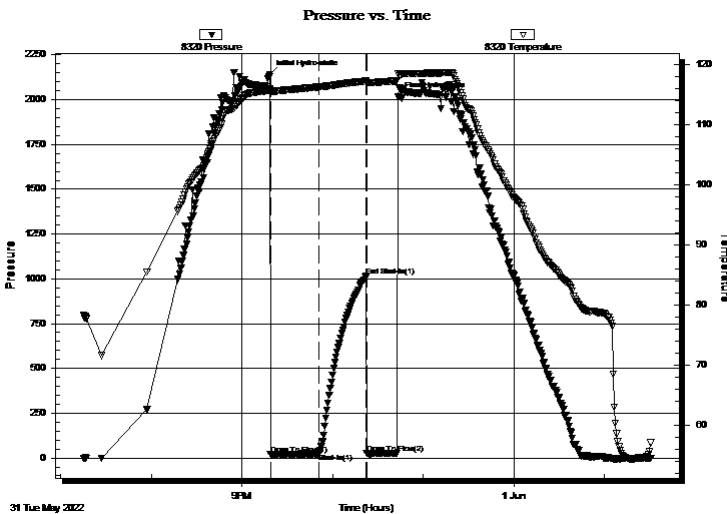
01:30:59

Time On Btm: 2022.05.31 @ 21:18:30

Time Off Btm: 2022.05.31 @ 22:43:30

TEST COMMENT: IF-30-No blow  
IS-30-No blow  
FF-15-No blow pulled tooln

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2140.35	115.93	Initial Hydro-static
1	20.50	115.25	Open To Flow (1)
33	24.47	116.28	Shut-In(1)
64	1017.00	117.26	End Shut-In(1)
64	25.32	116.94	Open To Flow (2)
85	2015.77	118.54	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	100% Mud	

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Castle Resources

**3-9s-28w Sheridan,KS**

PO Box 583  
Russell KS 67665

**Kennedy #1**

Job Ticket: 58650

**DST#: 1**

ATTN: Jerry Green

Test Start: 2022.05.31 @ 19:15:00

## Tool Information

Drill Pipe:	Length: 4145.00 ft	Diameter: 3.79 inches	Volume: 57.84 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer:	lb
Drill Collar:	Length: ft	Diameter: inches	Volume: - bbl	Weight to Pull Loose:	lb
			Total Volume: - bbl	Tool Chased	ft
Drill Pipe Above KB:	72.00 ft			String Weight: Initial	lb
Depth to Top Packer:	4100.00 ft			Final	lb
Depth to Bottom Packer:	ft				
Interval between Packers:	110.00 ft				
Tool Length:	137.00 ft				
Number of Packers:	2	Diameter: 6.88 inches			

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4074.00	
Shut In Tool	5.00			4079.00	
Hydraulic tool	5.00		Fluid	4084.00	
Safety Joint	3.00			4087.00	
Safety Joint	3.00			4090.00	
Packer	5.00			4095.00	27.00 Bottom Of Top Packer
Packer	5.00			4100.00	
Stubb	1.00			4101.00	
Perforations	1.00			4102.00	
Change Over Sub	1.00			4103.00	
Change Over Sub	1.00			4104.00	
Recorder	0.00	8320	Outside	4104.00	
Recorder	0.00	8368	Outside	4104.00	
Drill Pipe	95.00			4199.00	
Perforations	8.00			4207.00	
Bullnose	3.00			4210.00	110.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>137.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Castle Resources

**3-9s-28w Sheridan,KS**

PO Box 583  
Russell KS 67665

**Kennedy #1**

Job Ticket: 58650

**DST#: 1**

ATTN: Jerry Green

Test Start: 2022.05.31 @ 19:15:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	100% Mud	

Total Length: 15.00 ft

Total Volume: bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

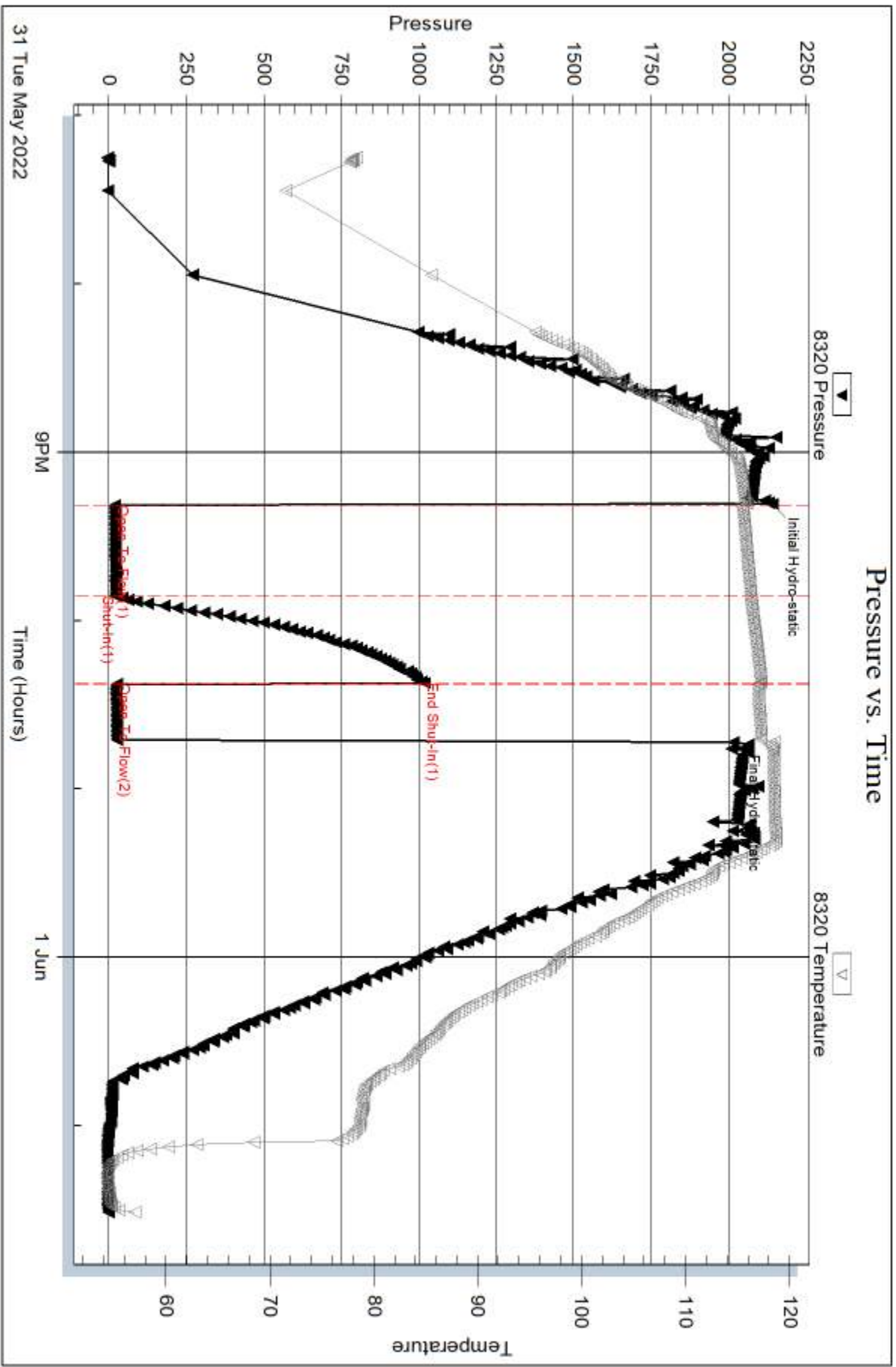
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



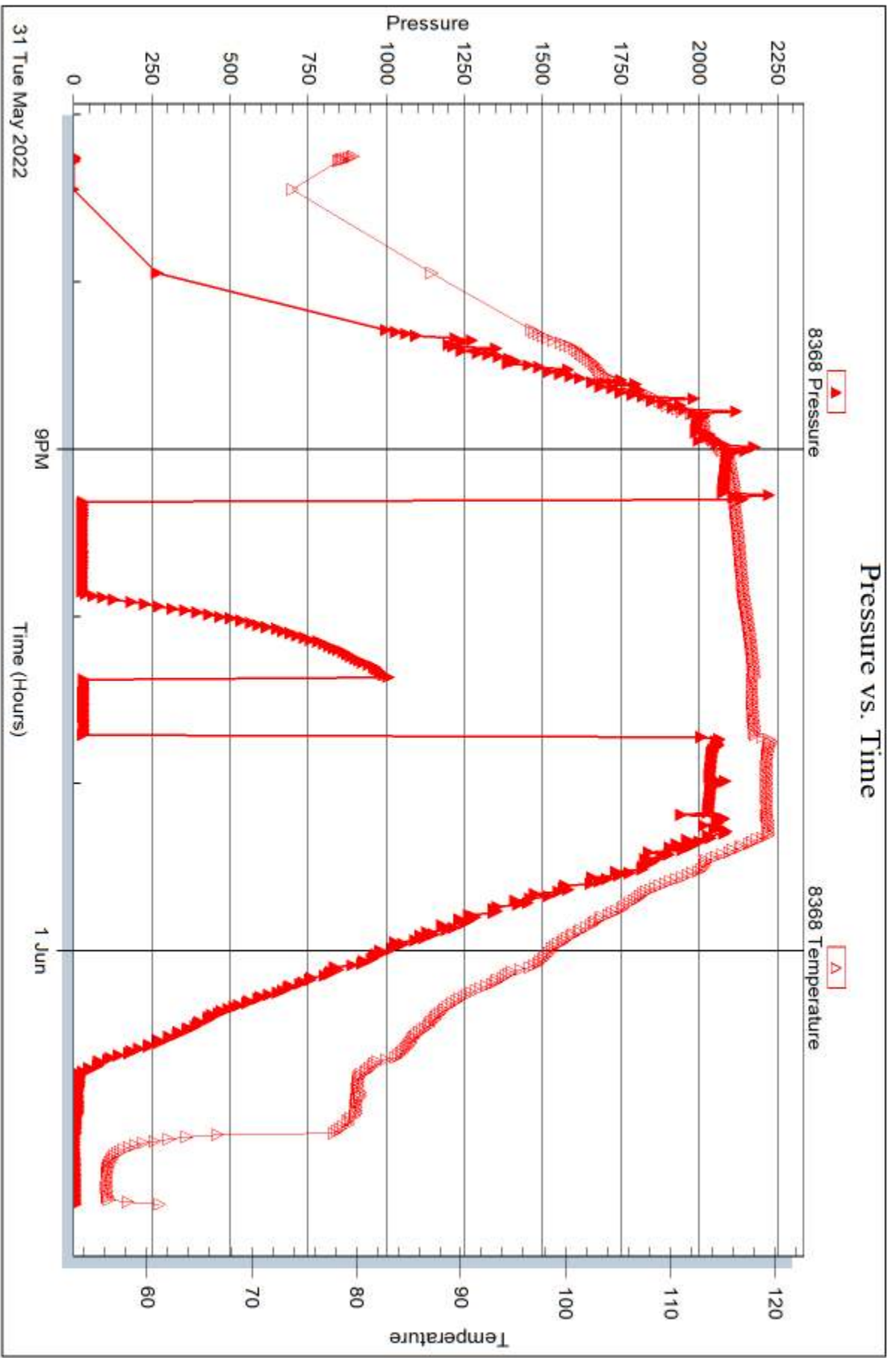


Serial #: 8368

Outside Castle Resources

Kennedy #1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 58650

Printed: 2022.06.03 @ 10:53:36



## DRILL STEM TEST REPORT

Prepared For: **Castle Resources**

PO Box 583  
Russell KS 67665

ATTN: Jerry Green

### **Kennedy #1**

#### **3-9s-28w Sheridan,KS**

Start Date: 2022.06.01 @ 03:35:00

End Date: 2022.06.01 @ 11:20:30

Job Ticket #: 59501                      DST #: 2

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

Printed: 2022.06.03 @ 10:52:53



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Castle Resources

**3-9s-28w Sheridan,KS**

PO Box 583  
Russell KS 67665

**Kennedy #1**

Job Ticket: 59501

**DST#: 2**

ATTN: Jerry Green

Test Start: 2022.06.01 @ 03:35:00

## GENERAL INFORMATION:

Formation: **Toronto**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:10:15

Time Test Ended: 11:20:30

Test Type: Conventional Straddle (Reset)

Tester: Terry

Unit No: 75

**Interval: 3912.00 ft (KB) To 3943.00 ft (KB) (TVD)**

Reference Elevations: 2808.00 ft (KB)

Total Depth: 4210.00 ft (KB) (TVD)

2803.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 5.00 ft

**Serial #: 8368 Outside**

Press@RunDepth: 34.78 psig @ 3913.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.06.01

End Date: 2022.06.01

Last Calib.: 2022.06.01

Start Time: 03:35:05

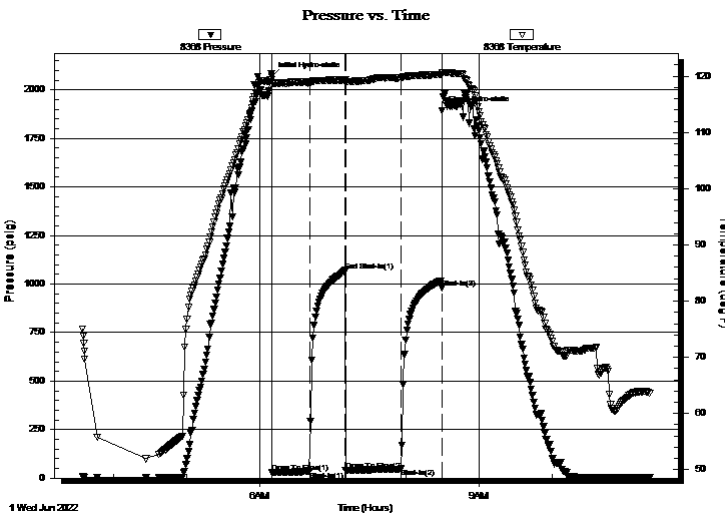
End Time: 11:20:29

Time On Btm: 2022.06.01 @ 06:10:00

Time Off Btm: 2022.06.01 @ 08:29:45

**TEST COMMENT:** IF-30-Surface blow  
IS-30-No return  
FF-45-Surface blow  
FS-30-No return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2069.26	119.45	Initial Hydro-static
1	28.24	118.33	Open To Flow (1)
31	34.78	118.84	Shut-In(1)
61	1069.74	119.38	End Shut-In(1)
61	39.88	118.93	Open To Flow (2)
106	50.91	119.71	Shut-In(2)
140	979.18	120.28	Shut-In(3)
140	1894.42	120.68	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
65.00	30% water 70% mud	0.91

\* 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

**3-9s-28w Sheridan,KS**

PO Box 583  
Russell KS 67665

**Kennedy #1**

Job Ticket: 59501

**DST#: 2**

ATTN: Jerry Green

Test Start: 2022.06.01 @ 03:35:00

## Tool Information

Drill Pipe:	Length: 3901.00 ft	Diameter: 3.79 inches	Volume: 54.43 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: 50000.00 lb
			<u>Total Volume: 54.43 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3912.00 ft			Final 59999.00 lb
Depth to Bottom Packer:	4210.00 ft			
Interval between Packers:	298.00 ft			
Tool Length:	330.00 ft			
Number of Packers:	2	Diameter: 6.88 inches		

Tool Comments:

## Tool Description

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

Change Over Sub	1.00			3881.00	
Shut In Tool	5.00			3886.00	
Hydraulic tool	5.00		Fluid	3891.00	
Jars	5.00			3896.00	
Safety Joint	3.00			3899.00	
Safety Joint	3.00			3902.00	
Packer	5.00			3907.00	32.00 Bottom Of Top Packer
Packer	5.00			3912.00	
Stubb	1.00			3913.00	
Recorder	0.00	8368	Outside	3913.00	
Recorder	0.00	8320	Outside	3913.00	
Perforations	25.00			3938.00	
Blank Spacing	1.00			3939.00	
Packer - Shale	4.00			3943.00	
Stubb	1.00			3944.00	
Change Over Sub	1.00			3945.00	
Recorder	0.00	8957	Below	3945.00	
Drill Pipe	254.00			4199.00	
Change Over Sub	1.00			4200.00	
Perforations	7.00			4207.00	
Bullnose	3.00			4210.00	298.00 Bottom Packers & Anchor

**Total Tool Length: 330.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Castle Resources

**3-9s-28w Sheridan,KS**

PO Box 583  
Russell KS 67665

**Kennedy #1**

Job Ticket: 59501

**DST#: 2**

ATTN: Jerry Green

Test Start: 2022.06.01 @ 03:35:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	30% water 70% mud	0.907

Total Length: 65.00 ft      Total Volume: 0.907 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

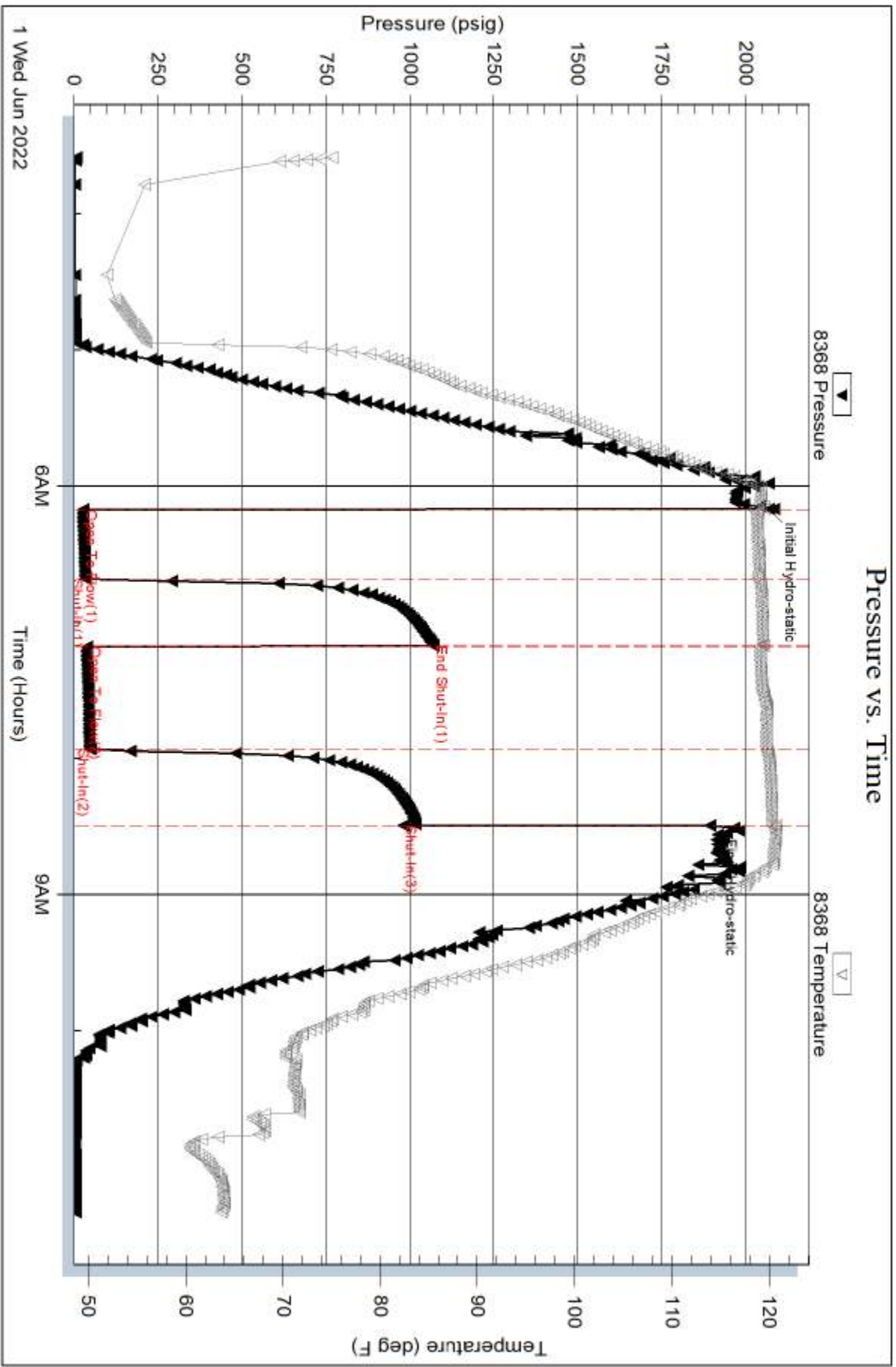
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



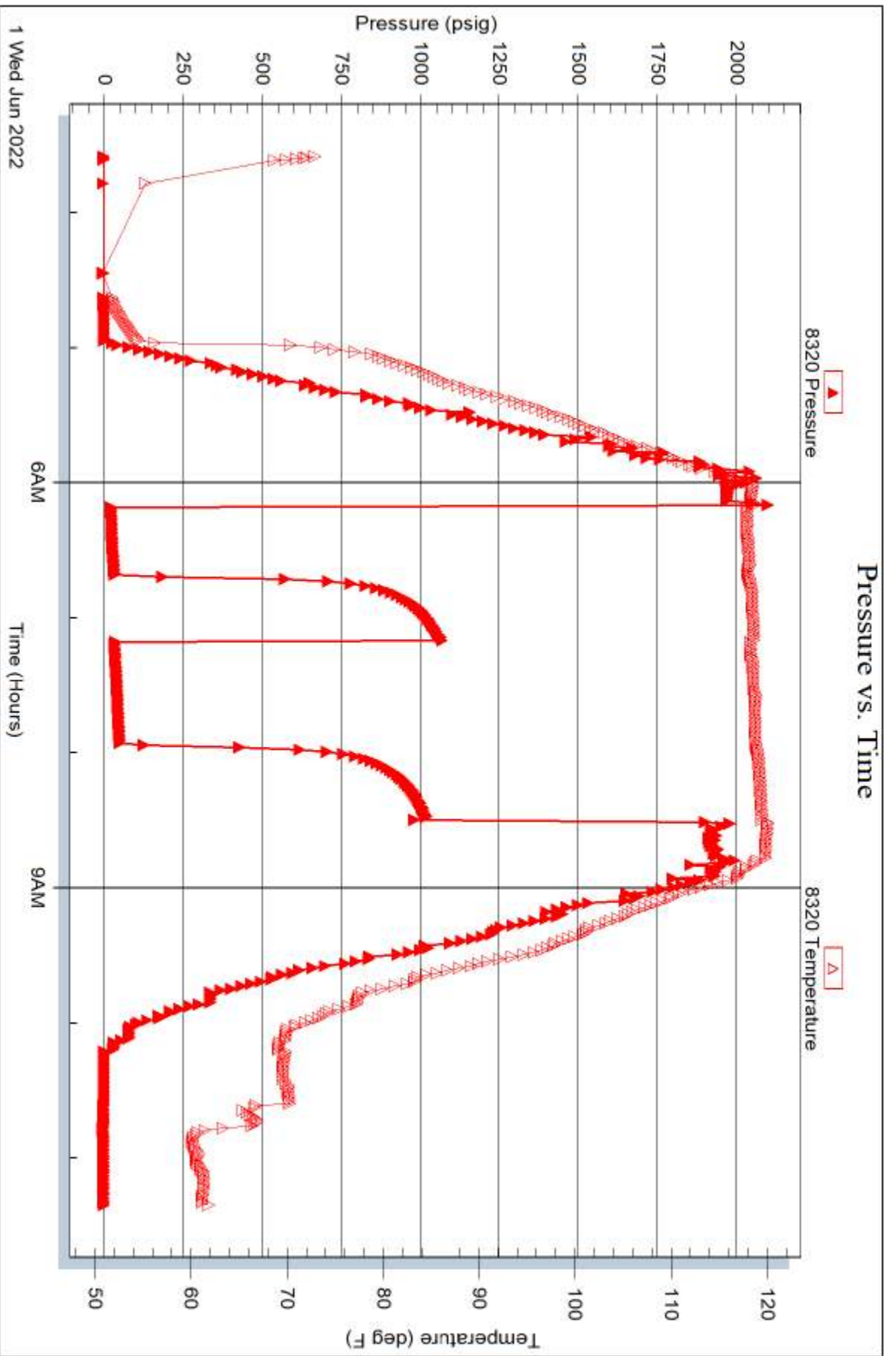


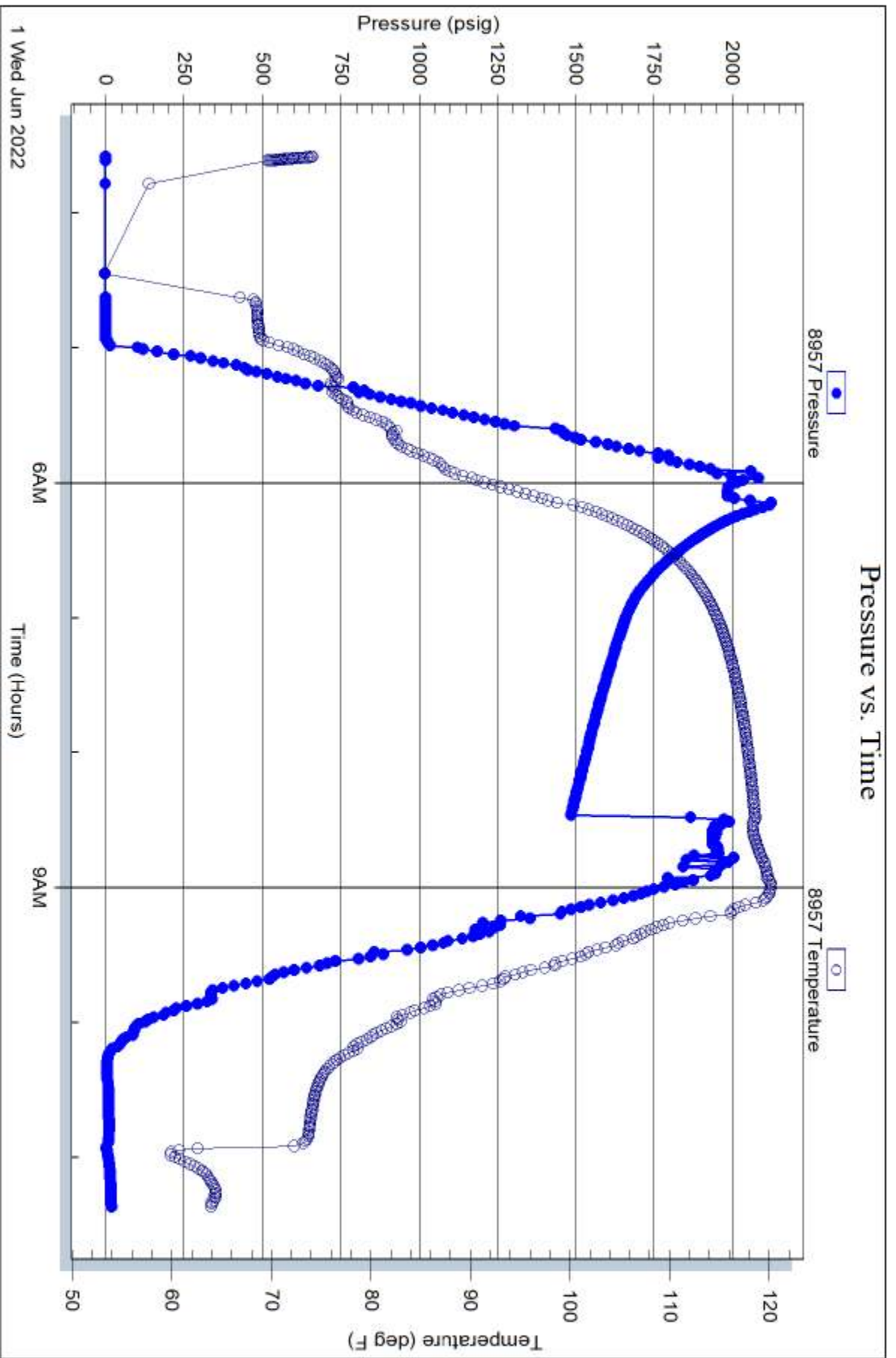
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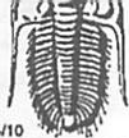
Outside Castle Resources

Kennedy #1

DST Test Number: 2







# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

### Test Ticket

NO. 68650

Well Name & No. Kennedy #1 Test No. 1 Date 5-31-22  
 Company Castle Resources Elevation 2808 KB 2803 GL  
 Address P.O. Box 543 Russell, KS 67665  
 Co. Rep / Geo. Jerry Green Rig R1 White Knife  
 Location: Sec. 3 Twp 9 Rge. 29W Co. Sheridan State KS

Interval Tested 4100-4210 Zone Tested L/KS IJKL  
 Anchor Length 110 Drill Pipe Run 4145 Mud Wt. 9.5  
 Top Packer Depth 4095 Drill Collars Run \_\_\_\_\_ Vis 50  
 Bottom Packer Depth 4100 Wt. Pipe Run \_\_\_\_\_ WL 8.8  
 Total Depth 4210 Chlorides 3000 ppm System LCM B 2#  
 Blow Description IF-30- No Blow  
ISI-30- No Blow  
FF-15- No Blow Pulled Tool

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</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 118 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2140  Test 1950 T-On Location 5:00 PM  
 (B) First Initial Flow 21  Jars \_\_\_\_\_ T-Started 7:15 PM  
 (C) First Final Flow 25  Safety Joint \_\_\_\_\_ T-Open 9:23 PM  
 (D) Initial Shut-In 1017  Circ Sub \_\_\_\_\_ T-Pulled 10:45 PM  
 (E) Second Initial Flow 25  Hourly Standby \_\_\_\_\_ T-Out 1:35 AM  
 (F) Second Final Flow \_\_\_\_\_  Mileage 40X2 120 Comments \_\_\_\_\_  
 (G) Final Shut-In \_\_\_\_\_  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2015  Straddle \_\_\_\_\_  
 EM Tool -350  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Initial Open 30  Shale Packer \_\_\_\_\_  
 Initial Shut-In 30  Extra Packer \_\_\_\_\_  
 Final Flow 15  Extra Recorder \_\_\_\_\_  
 Final Shut-In -  Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 2070 Sub Total -350 Total 1720  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Terrance Wickham  
 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. 59501

Well Name & No. Kennedy #1 Test No. 2 Date 6-1-12  
 Company Castle Resources Elevation 2808 KB 2803 GL  
 Address P.O. Box 583 Russell, KS 67665  
 Co. Rep / Geo. Jerry Green Rig White Knight #1  
 Location: Sec. 3 Twp. 9 Rge. 28w Co. Sheridan State Ks

Interval Tested 3912-3943 Zone Tested Toronto  
 Anchor Length 31 Drill Pipe Run 8 Mud Wt. 9.5  
 Top Packer Depth 3907 Drill Collars Run \_\_\_\_\_ Vis 50  
 Bottom Packer Depth 3912 Wt. Pipe Run \_\_\_\_\_ WL 8.8  
 Total Depth 4210 Chlorides 3000 ppm System LCM 2#  
 Blow Description IF-30-Surface Blow  
IS-30-No Return  
SF-45-Surface Blow  
SI-30-No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>65</u>			<u>30</u>	<u>70</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 65 BHT 119 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ ° F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2069  Test 1950 T-On Location \_\_\_\_\_  
 (B) First Initial Flow 28  Jars 300 T-Started 3:35  
 (C) First Final Flow 35  Safety Joint \_\_\_\_\_ T-Open 10:11  
 (D) Initial Shut-In 1670  Circ Sub \_\_\_\_\_ T-Pulled 9:26  
 (E) Second Initial Flow 40  Hourly Standby \_\_\_\_\_ T-Out 11:22  
 (F) Second Final Flow 51  Mileage 40x2 Comments \_\_\_\_\_  
 (G) Final Shut-In 979  Sampler \_\_\_\_\_ EM Tool -350  
 (H) Final Hydrostatic 1694  Straddle 600  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer 250  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 30  Extra Recorder \_\_\_\_\_ Sub Total -350  
 Initial Shut-In 30  Day Standby \_\_\_\_\_ Total 2750  
 Final Flow 45  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 30 Sub Total 3100

Approved By \_\_\_\_\_ Our Representative Terrance Wickham

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.

# JERRY GREEN

CONSULTING GEOLOGIST

P. O. BOX 87  
SCHENGEN, KS 67687  
PHONE: 785-625-5155

## GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY CASTLE RESOURCES INC.

LEASE KENNEDY #1

FIELD W.C.

LOCATION E/2-E/2-W/2

SEC. 23 T15P. 9S R6E. 28W

COUNTY SHERIDAN STATE KS.

CONTRACTOR WHITE KNIGHT DRILLING

SPUD 5-23-22 COMP 6-1-22

RTD 4210 LTD 4210

MUD UP 3150' TYPE MUD CHEM.

SAMPLES SAVED FROM 3500'

DRILLING TIME KEPT FROM 3500'

SAMPLES EXAMINED FROM 3500'

GEOLOGICAL SUPERVISION FROM 3500'

GEOLOGIST ON WELL

FORMATION TOPS

ANHY 2416 391

TOPEKA 3699-892 3696-889

HEEBNER 3912-1105 3910-1103

TORONTO 3933-1127 3933-1126

LKC 3950-1143 3950-1143

BKC 4188-1381 4188-1381

RTD 4210 4210

ELEVATIONS

KB 2807

DF

CI 2802

Measurements Are All From KB.

CASING SURFACE @ 310

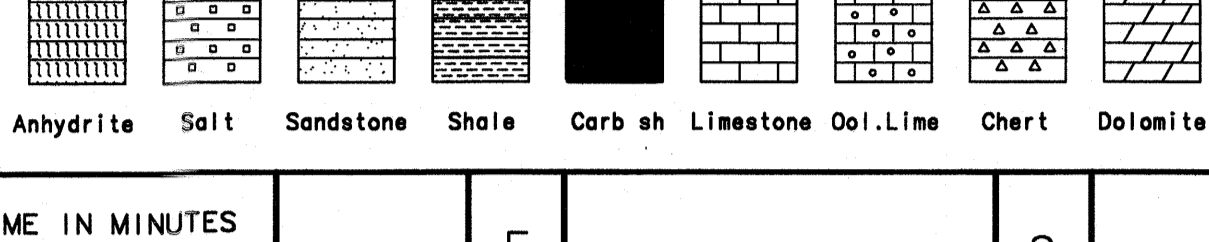
PRODUCTION

ELECTRICAL SURVEYS

Stack - Micro

REMARKS  
All parties involved recommended that this well be plugged.  
respectfully submitted  
*[Signature]*

### LEGEND



DRILLING TIME IN MINUTES PER FOOT Rate of Penetration Decreases	DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS
	3500'				CASTLE
	3550'				
	3600'		Rd + Gray sh		
	3650'				
	3700'	TOPEKA 3696-889	Lms wh. offsh Chalky - fm foss in pt barren w Alt shales varicol		
	3750'				
	3800'		Lms wh. fm Chalky - fm Fx barren		
	3850'				
	3900'		Lms offsh Fx Dolomitic barren Fr - fm		
	3950'	HEEBNER 3910-103	Lms as above		
	4000'	TORONTO 3933-1126	Lms wh. Tr Fx barren - chalky		
	4050'	LKC. 3950-1143	Black sh. inc. 60		
	4100'		Lms wh. Tr fm fm Fx foss in pt barren Chalky in pt		
	4150'		Black sh. 30		
	4200'	BKC. 4188-1381	Lms offsh fm Fx barren		
	4250'		Lms offsh - Tr Fx Tr live st inter X Por		
			Lms wh. chalky in most, Tr Fx Fr, Lms with Fractures m. Adeq fo tst. inter + frac Por.		
			vm fo tst		
			Lms wh. offsh Fx chalky - fm barren		
			Lms offsh - Tr Fx Tr - VM fo tst inter X Por		
			Lms wh. Tr chalky m fo tst inter + foss Por		
			Varicol sh + barren Lms		

DST #2  
3912-43  
Zone tested:  
Toronto  
Blow: weak  
Times  
30-30-45.30  
Rec: 65 w/try  
mud slick  
oil on top  
IBHP: 1070  
FBHP: 979  
FP: 28-35  
40-51

DST #1  
4100-4210  
Times: 30-30-15  
Zones tested:  
I J K L  
Blow: weak-  
died  
Rec: 15' mud  
SIP: 1017  
FP: 21-25

GREEN01-7

# FRANKS Oilfield Service

815 Main Street Victoria, KS 67671 ♦ 24 Hour Phone (785) 639-7269  
 ♦ Office Phone (785) 639-3949 ♦ Email: franksoilfield@yahoo.com

TICKET NUMBER 0607  
 LOCATION Holt  
 FOREMAN Tom Williams

## FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-1-22	4860	Kennedy 1	23	9	25w	Sheridan
CUSTOMER Cattle Resources Inc			TRUCK #		DRIVER	
MAILING ADDRESS PO Box 583			101		Tom W	
CITY Russell			102		Jack T	
STATE KS			TRUCK #		DRIVER	
ZIP CODE 67065						

JOB TYPE PTA HOLE SIZE \_\_\_\_\_ HOLE DEPTH \_\_\_\_\_ CASING SIZE & WEIGHT \_\_\_\_\_  
 CASING DEPTH \_\_\_\_\_ DRILL PIPE 4 1/2" TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safe mapping & set up on white Knight plugs as ordered  
1 2430' 50 sk  
2 1530' 100 sk  
3 350' 50 sk  
4th center with plug lost plug down 10 pm  
RK- 30 sk  
240 sk total

Thanks Tom & Jack

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
PL005	1	PUMP CHARGE PTA	\$1500.00	\$1500.00
M001	10	MILEAGE	\$45.50	\$455.00
M002	10.68 tons	Ton Mileage Delivery	\$600.00	\$6408.00
LB010	240 sk	60/49 4 bag 1/4 # 910 sk	\$16.75	\$4020.00
FE055	1	5 5/8" wooden plug	\$165.00	\$165.00
			sub total	\$6350.00
			less 15% disc.	\$5397.50
			sub total	\$5715.00
			SALES TAX	320.15
			ESTIMATED TOTAL	6035.15

AUTHORIZATION \_\_\_\_\_ TITLE \_\_\_\_\_ 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.

# KS Oilfield Service

Street Victoria, KS 67671 ♦ 24 Hour Phone (785) 639-7269  
 Phone (785) 639-3949 ♦ Email: franksoilfield@yahoo.com

TICKET NUMBER 0598  
 LOCATION Haxie  
 FOREMAN Tom Williams

## FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
5-20-22	9560	Kennedy 1	23	9	25W	Sheridan	
CUSTOMER <u>Castle Resources Inc</u>		MAILING ADDRESS <u>PO Box 583</u>		CITY <u>Russell</u>		STATE <u>KS</u>	ZIP CODE <u>67665</u>
TRUCK #		DRIVER		TRUCK #		DRIVER	
<u>101</u>		<u>Tom W</u>					
<u>2/103</u>		<u>Jack T</u>					
		<u>Jack M</u>					

JOB TYPE Surface HOLE SIZE 12 1/4" HOLE DEPTH 310' CASING SIZE & WEIGHT 8 7/8" 45#  
 CASING DEPTH 310' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.5 SLURRY VOL 1.4 WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 20'  
 DISPLACEMENT 16 Bbl DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: safety meeting & set up on White Knight. Circular mod.  
Mix 250 sy surface blend. Displace 16 Bbl & shut in  
Play down 3:30 am

Cement did circulate

Thanks Tom & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
<u>PL002</u>	<u>1</u>	<u>PUMP CHARGE surface</u>	<u>\$1150.00</u>	<u>\$1150.00</u>
<u>MO01</u>	<u>10</u>	<u>MILEAGE</u>	<u>\$6.50</u>	<u>\$65.00</u>
<u>MO02</u>	<u>12.25 tons</u>	<u>Ton Mileage delivery</u>	<u>\$400.00</u>	<u>\$400.00</u>
<u>CB004</u>	<u>250 sy</u>	<u>Class A 3% cl 29 gal</u>	<u>\$24.50</u>	<u>\$6,125.00</u>
			<u>subtotal</u>	<u>\$7,940.00</u>
			<u>less 10% disc.</u>	<u>\$7,940.00</u>
			<u>subtotal</u>	<u>\$7,144.00</u>
			<u>SALES TAX</u>	<u>468.56</u>
			<u>ESTIMATED TOTAL</u>	<u>7614.56</u>

AUTHORIZATION \_\_\_\_\_ TITLE \_\_\_\_\_ 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.