





|           |                        |
|-----------|------------------------|
| Form      | ACO1 - Well Completion |
| Operator  | Castle Resources, Inc. |
| Well Name | CHESNEY 1              |
| Doc ID    | 1483716                |

#### Tops

| Name      | Top  | Datum |
|-----------|------|-------|
| Anhydrite | 1275 | +717  |
| Topeka    | 2840 | -881  |
| Heebner   | 3056 | -1097 |
| Toronto   | 3075 | -1116 |
| LKC       | 3096 | -1137 |
| BKC       | 3337 | -1378 |
| Arbuckle  | 3436 | -1477 |
| RTD       | 3469 | -1510 |

|           |                        |
|-----------|------------------------|
| Form      | ACO1 - Well Completion |
| Operator  | Castle Resources, Inc. |
| Well Name | CHESNEY 1              |
| Doc ID    | 1483716                |

#### Casing

| Purpose Of String | Size Hole Drilled | Size Casing Set | Weight | Setting Depth | Type Of Cement | Number of Sacks Used | Type and Percent Additives |
|-------------------|-------------------|-----------------|--------|---------------|----------------|----------------------|----------------------------|
| Surface           | 12.25             | 8.625           | 24     | 220           | common         | 150                  | 3%CC2% Gel                 |
|                   |                   |                 |        |               |                |                      |                            |
|                   |                   |                 |        |               |                |                      |                            |
|                   |                   |                 |        |               |                |                      |                            |



# GLOBAL OIL FIELD SERVICES, LLC

0010375

REMIT TO 24 S. Lincoln  
Russell, KS 67665

SERVICE POINT: Russell

|                                  |                |                                        |                 |            |                      |                 |                             |
|----------------------------------|----------------|----------------------------------------|-----------------|------------|----------------------|-----------------|-----------------------------|
| DATE <u>11-9-19</u>              | SEC <u>24</u>  | TWP <u>8</u>                           | RANGE <u>17</u> | CALLED OUT | ON LOCATION          | JOB START       | JOB FINISH <u>3:00 p.m.</u> |
| LEASE <u>Chesney</u>             | WELL# <u>1</u> | LOCATION <u>N. Platteville Rd east</u> |                 |            | COUNTY <u>Neosho</u> | STATE <u>KS</u> |                             |
| OLD OR <u>(NEW)</u> (CIRCLE ONE) |                | to 22 Rd N. to (R) 1/2 east South into |                 |            |                      |                 |                             |

CONTRACTOR White Night Drilling  
 TYPE OF JOB Plug  
 HOLE SIZE \_\_\_\_\_ T.D. 3469  
 CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_

## EQUIPMENT

PUMP TRUCK CEMENTER Jason  
 # 409 HELPER Tam  
 BULK TRUCK \_\_\_\_\_  
 # 410 DRIVER Jack  
 BULK TRUCK \_\_\_\_\_  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

## REMARKS:

1st 3416 - 50 SX  
 2nd 1260 - 50 SX  
 3rd 780 - 100 SX  
 4th 27011 - 50 SX  
10 ft - 10 SX  
Rat hole - 30 SX

OWNER Castle Resources

CEMENT  
 AMOUNT ORDERED 290 SX 69/40  
4 1/2 gal 1/2 Flt - Seal

|          |   |       |
|----------|---|-------|
| COMMON   | @ | _____ |
| POZMIX   | @ | _____ |
| GEL      | @ | _____ |
| CHLORIDE | @ | _____ |
| ASC      | @ | _____ |
| _____    | @ | _____ |
| _____    | @ | _____ |
| _____    | @ | _____ |
| _____    | @ | _____ |
| _____    | @ | _____ |
| _____    | @ | _____ |
| _____    | @ | _____ |
| HANDLING | @ | _____ |
| MILEAGE  | @ | _____ |

TOTAL \_\_\_\_\_

## SERVICE

|                   |         |
|-------------------|---------|
| DEPTH OF JOB      | _____   |
| PUMP TRUCK CHARGE | _____   |
| EXTRA FOOTAGE     | @ _____ |
| MILEAGE           | @ _____ |
| MANIFOLD          | @ _____ |
| _____             | @ _____ |
| _____             | @ _____ |

TOTAL \_\_\_\_\_

## PLUG & FLOAT EQUIPMENT

|                   |   |       |
|-------------------|---|-------|
| <u>1 85# Plug</u> | @ | _____ |
| _____             | @ | _____ |
| _____             | @ | _____ |
| _____             | @ | _____ |
| _____             | @ | _____ |

TOTAL \_\_\_\_\_

CHARGE TO: Castle Resources  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

Global Oil Field Services, LLC

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.

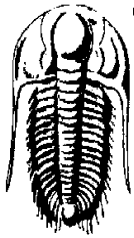
PRINTED NAME \_\_\_\_\_

SIGNATURE [Signature]

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Castle Resources, Inc.

**24-8S-17W Rooks, KS**

PO Box 583  
Russell, KS 67665

**Chesney #1**

Job Ticket: 61751

**DST#: 1**

ATTN: Jerry Green

Test Start: 2019.11.08 @ 03:20:45

### GENERAL INFORMATION:

Formation: **LKC "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:49:12

Time Test Ended: 11:24:32

Test Type: Conventional Bottom Hole (Initial)

Tester: Brannan Lonsdale

Unit No: 49

Interval: **3122.00 ft (KB) To 3150.00 ft (KB) (TVD)**

Total Depth: 3150.00 ft (KB) (TVD)

Hole Diameter: 6.75 inches Hole Condition: Fair

Reference Elevations: 1959.00 ft (KB)

1954.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8648 Outside**

Press@RunDepth: 15.11 psig @ 3123.00 ft (KB)

Start Date: 2019.11.08

End Date:

2019.11.08

Start Time: 03:20:46

End Time:

11:24:32

Capacity: 8000.00 psig

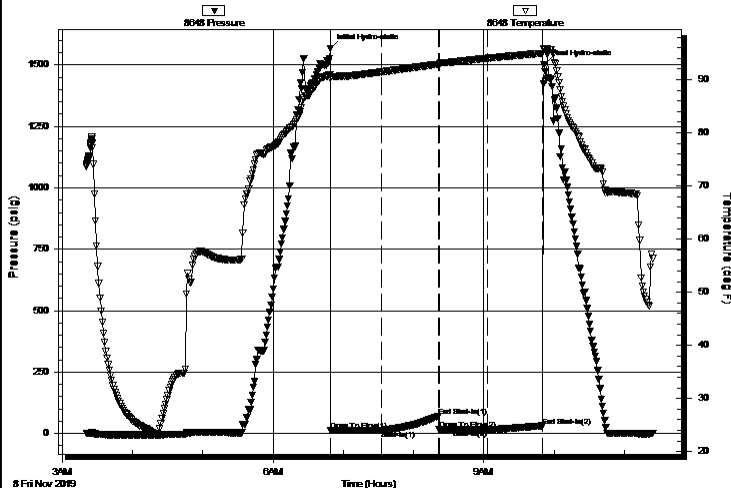
Last Calib.: 2019.11.08

Time On Btm: 2019.11.08 @ 06:49:02

Time Off Btm: 2019.11.08 @ 09:51:22

TEST COMMENT: 45- IF- Slow ly built to 0.80"  
45- IS- No blow  
45- FF- Slow ly built to 0.46"  
45- FS- No blow

Pressure vs. Time



PRESSURE SUMMARY

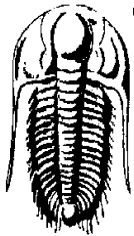
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1567.56         | 90.97        | Initial Hydro-static |
| 1           | 13.09           | 90.23        | Open To Flow (1)     |
| 44          | 14.01           | 91.46        | Shut-In(1)           |
| 92          | 70.07           | 92.90        | End Shut-In(1)       |
| 93          | 15.25           | 92.89        | Open To Flow (2)     |
| 135         | 15.11           | 94.04        | Shut-In(2)           |
| 181         | 31.17           | 94.97        | End Shut-In(2)       |
| 183         | 1501.34         | 95.85        | Final Hydro-static   |

Recovery

| Length (ft) | Description            | Volume (bbl) |
|-------------|------------------------|--------------|
| 15.00       | Mw / oil spots in tool | 0.21         |
|             |                        |              |
|             |                        |              |
|             |                        |              |
|             |                        |              |

Gas Rates

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



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Castle Resources, Inc.

**24-8S-17W Rooks, KS**

PO Box 583  
Russell, KS 67665

**Chesney #1**

Job Ticket: 61751

**DST#: 1**

ATTN: Jerry Green

Test Start: 2019.11.08 @ 03:20:45

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 45.00 sec/qt

Water Loss: 8.19 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 5500.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

### Recovery Information

Recovery Table

| Length<br>ft | Description            | Volume<br>bbl |
|--------------|------------------------|---------------|
| 15.00        | Mw / oil spots in tool | 0.213         |

Total Length: 15.00 ft

Total Volume: 0.213 bbl

Num Fluid Samples: 0

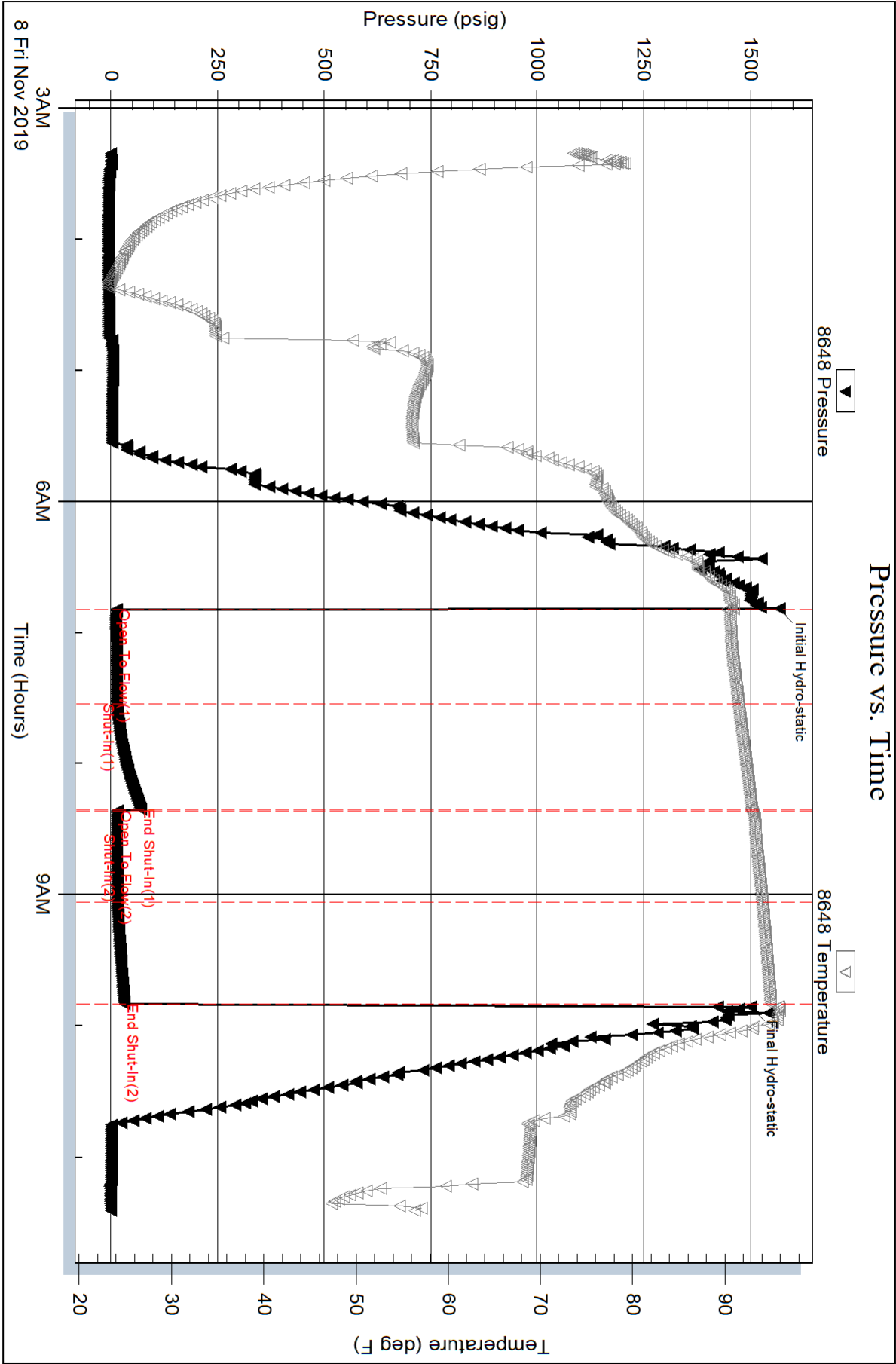
Num Gas Bombs: 0

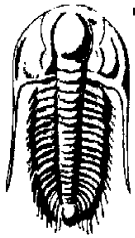
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Castle Resources, Inc.

**24-8S-17W Rooks, KS**

PO Box 583  
Russell, KS 67665

**Chesney #1**

Job Ticket: 61752

**DST#: 2**

ATTN: Jerry Green

Test Start: 2019.11.08 @ 21:44:00

### GENERAL INFORMATION:

Formation: **Lansing I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:04:45

Time Test Ended: 04:02:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: #49

Interval: **3242.00 ft (KB) To 3268.00 ft (KB) (TVD)**

Total Depth: 3268.00 ft (KB) (TVD)

Hole Diameter: 6.75 inches Hole Condition: Fair

Reference Elevations: 1959.00 ft (KB)

1954.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8648** **Inside**

Press@RunDepth: 28.62 psig @ 3243.00 ft (KB)

Start Date: 2019.11.08

End Date:

2019.11.09

Start Time: 21:44:02

End Time:

04:02:30

Capacity: 8000.00 psig

Last Calib.: 2019.11.09

Time On Btm: 2019.11.08 @ 23:04:30

Time Off Btm: 2019.11.09 @ 02:06:15

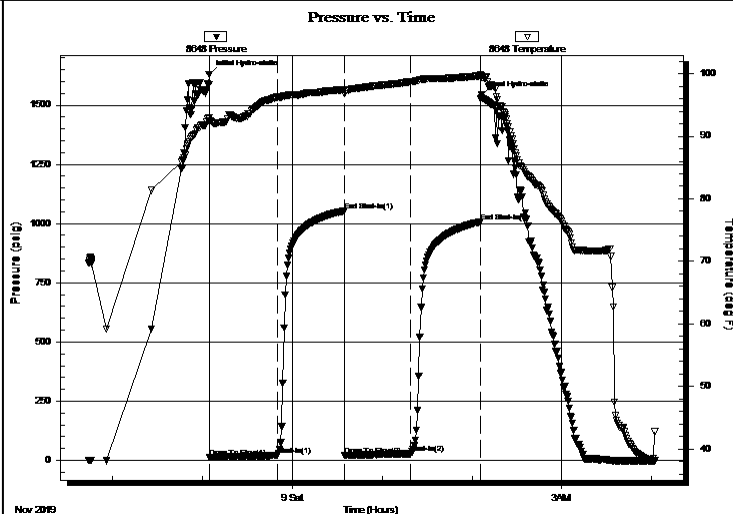
TEST COMMENT: 45 - IFP - Surface blow built up to 2 1/2"

45 - ISI - No Return

45 - FFP - Surface blow built up to 1"

45 - FSI - No Return

### PRESSURE SUMMARY



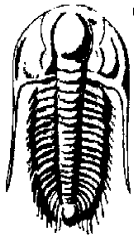
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1629.47         | 93.02        | Initial Hydro-static |
| 1           | 12.67           | 92.36        | Open To Flow (1)     |
| 46          | 21.05           | 96.28        | Shut-In (1)          |
| 91          | 1053.57         | 97.44        | End Shut-In (1)      |
| 91          | 22.59           | 96.85        | Open To Flow (2)     |
| 135         | 28.62           | 98.73        | Shut-In (2)          |
| 181         | 1007.03         | 99.65        | End Shut-In (2)      |
| 182         | 1541.90         | 99.69        | Final Hydro-static   |

### Recovery

| Length (ft) | Description             | Volume (bbl) |
|-------------|-------------------------|--------------|
| 40.00       | OSM - Oil Spots - 100%m | 0.41         |
|             |                         |              |
|             |                         |              |
|             |                         |              |
|             |                         |              |

### Gas Rates

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



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Castle Resources, Inc.

**24-8S-17W Rooks, KS**

PO Box 583  
Russell, KS 67665

**Chesney #1**

Job Ticket: 61752

**DST#: 2**

ATTN: Jerry Green

Test Start: 2019.11.08 @ 21:44:00

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 41.00 sec/qt

Water Loss: 10.59 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

### Recovery Information

Recovery Table

| Length<br>ft | Description             | Volume<br>bbl |
|--------------|-------------------------|---------------|
| 40.00        | OSM - Oil Spots - 100%m | 0.410         |

Total Length: 40.00 ft

Total Volume: 0.410 bbl

Num Fluid Samples: 0

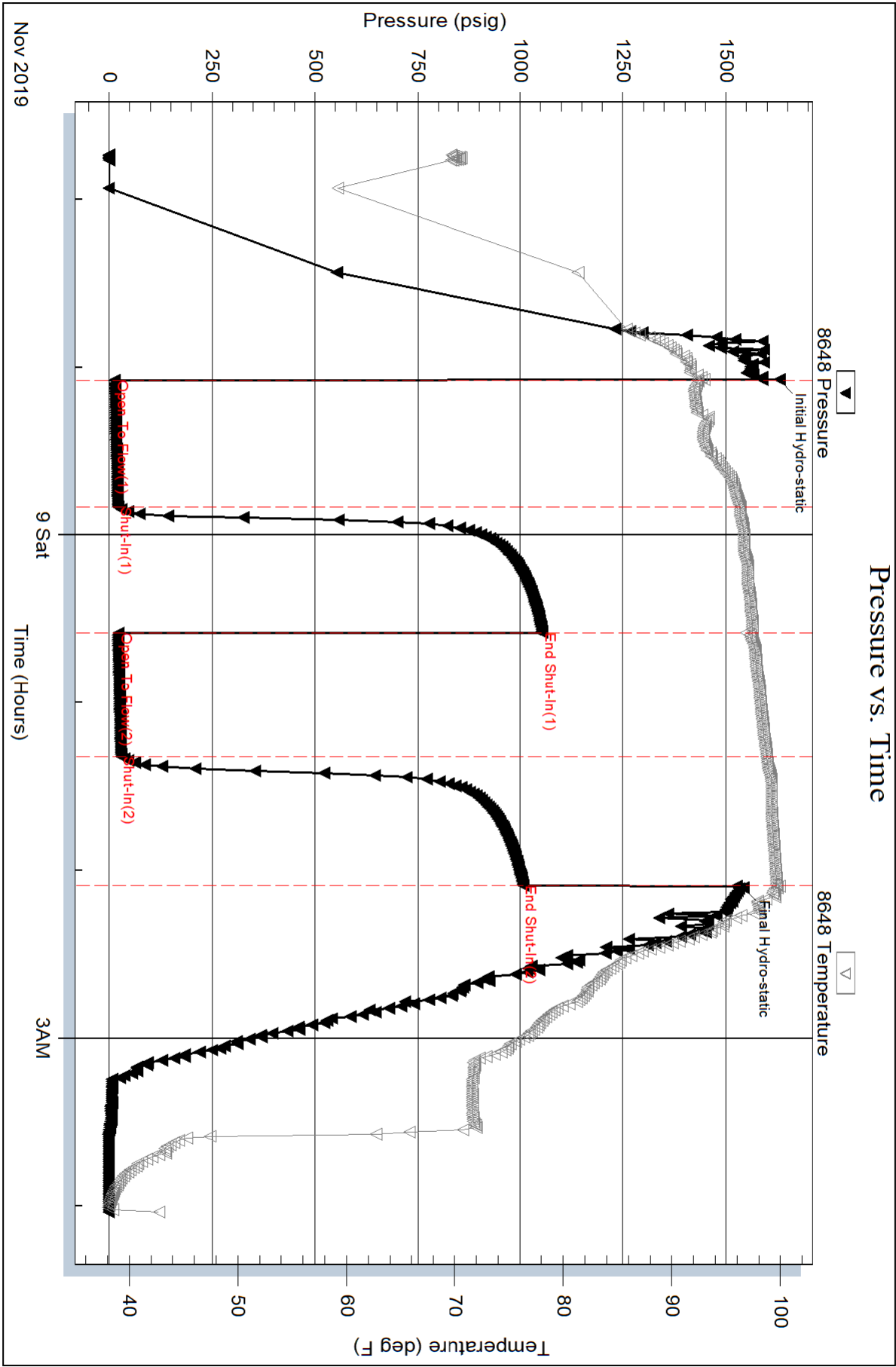
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



# JERRY GREEN

CONSULTING GEOLOGIST

4350 Keystone Rd  
HAYS, KS 67601  
PHONE: 785-625-5155

## GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY: CASTLE RESOURCES INC.

LEASE: CHESNEY #1

FIELD: WC

LOCATION: 1610/FNL 1230/FWL

SEC: 24 TWP: 8S RGE: 17W

COUNTY: ROOKS STATE: KS

CONTRACTOR: WHITE KNIGHT DRILLING

SPUD: 11-4-19 COMP: 11-10-19

RTD: 3469 LTD

MUD UP: 2700' TYPE MUD: CHEM

SAMPLES SAVED FROM: 2700'

DRILLING TIME KEPT FROM: 2700'

SAMPLES EXAMINED FROM: 2700'

GEOLOGICAL SUPERVISION FROM: 2700'

GEOLOGIST ON WELL: 2700'

FORMATION TOPS LOG

TOPEKA 2840-881

HEEBNER 3056-1097

TORONTO 3075-1116

LKC 3096-1137

BKC 3337-1378

ARBUCKLE 3436-1477

RTD 3469-1510

ELEVATIONS

KB 1959

DF

GL 1954

Measurements Are All From KB

CASING @ 219

PRODUCTION

ELECTRICAL SURVEYS

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

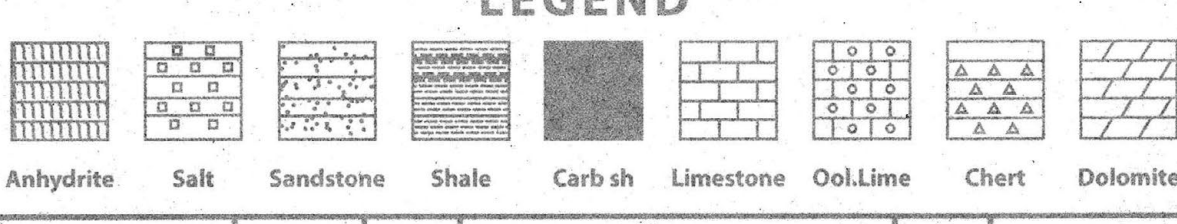
N/A

N/A

N/A

respectfully submitted  
JG

## LEGEND



## REMARKS

## OIL SHOWS

## SAMPLE DESCRIPTIONS

## LITHOLOGY

## DEPTH

## DRILLING TIME IN MINUTES PER FOOT

Rate of Penetration Decreases

5" 10" 15"

2700'

2750'

2800'

2850'

2900'

2950'

3000'

3050'

3100'

3150'

3200'

3250'

3300'

3350'

3400'

3450'

3500'

3550'

3600'

3650'

3700'

3750'

3800'

3850'

3900'

3950'

4000'

4050'

4100'

4150'

4200'

4250'

4300'

4350'

4400'

4450'

4500'

4550'

4600'

4650'

4700'

4750'

4800'

4850'

4900'

4950'

5000'

5050'

5100'

5150'

5200'

5250'

5300'

5350'

5400'

5450'

5500'

5550'

5600'

5650'

5700'

5750'

5800'

5850'

5900'

5950'

6000'

6050'

6100'

6150'

6200'

6250'

6300'

6350'

6400'

6450'

6500'

6550'

6600'

6650'

6700'

6750'

6800'

6850'

6900'

6950'

7000'

7050'

7100'

7150'

7200'

7250'

7300'

7350'

7400'

7450'

7500'

7550'

7600'

7650'

7700'

7750'

7800'

7850'

7900'

7950'

8000'

8050'

8100'

8150'

8200'

8250'

8300'

8350'

8400'

8450'

8500'

8550'

8600'

8650'

8700'

8750'

8800'

8850'

8900'

8950'

9000'

9050'

9100'

9150'

9200'

9250'

9300'

9350'

9400'

9450'

9500'

9550'

9600'

9650'

9700'

9750'

9800'

9850'

9900'

9950'

10000'

10050'

10100'

10150'

10200'

10250'

10300'

10350'

10400'

10450'

10500'

10550'

10600'

10650'

10700'

10750'

10800'

10850'

10900'

10950'

11000'

11050'

11100'

11150'

11200'

11250'

11300'

11350'

11400'

11450'

11500'

11550'

11600'

11650'

11700'

11750'

11800'

11850'

11900'

11950'

12000'

12050'

12100'

12150'

12200'

12250'

12300'

12350'

12400'

12450'

12500'

12550'

12600'

12650'

12700'

12750'

12800'

12850'

12900'

12950'

13000'

13050'

13100'

13150'

13200'

13250'

13300'

13350'

13400'

13450'

13500'

13550'

13600'

13650'

13700'

13750'

13800'

13850'

13900'

13950'

14000'

14050'

14100'

14150'

14200'

14250'

14300'

14350'