

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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Form	ACO1 - Well Completion
Operator	Castle Resources, Inc.
Well Name	FOCKE 1
Doc ID	1423060

Tops

Name	Top	Datum
Anhydrite	2907-46	+205
Topeka	3840	-728
Deer Creek	3864	-752
Oread	3972	-860
LKC	4031	-919
BKC	4296	-1184
1st RTD	4336	-1224
Pawnee	4406	-1294
Ft Scott	4468	-1356
Cherokee	4522	-1410
Mississippi	4666	-1554
RTD	4706	-1594









# Company: Castle Resources, Inc

## Lease: Focke #1

SEC: 22 TWN: 2S RNG: 34W  
County: RAWLINS  
State: Kansas  
Drilling Contractor: White Knight Drilling, LLC - Rig 1  
Elevation: 3110 EGL  
Field Name: Wildcat  
Pool: WILDCAT  
Job Number: 195

### Operation:

Test Complete

### DATE

August  
20  
2018

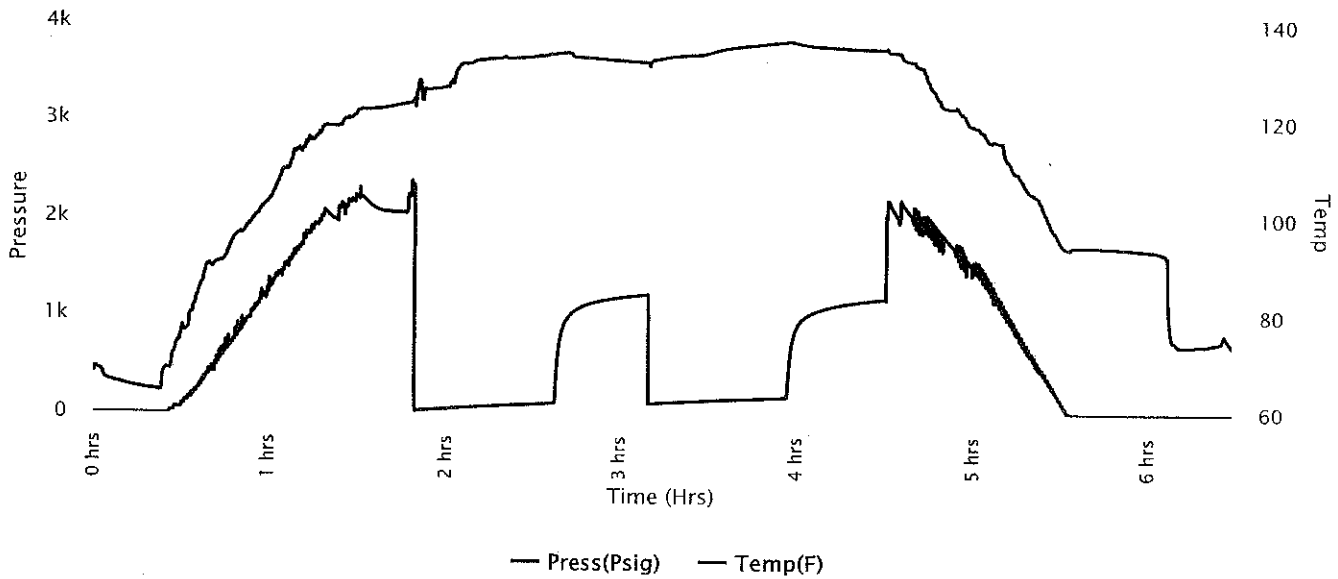
DST #1 Formation: L/KC "J-L" Test Interval: 4190 - 4330' Total Depth: 4330'

Time On: 10:00 08/20 Time Off: 16:19 08/20  
Time On Bottom: 11:45 08/20 Time Off Bottom: 14:15 08/20

Electronic Volume Estimate:  
252'

<u>1st Open</u>	<u>1st Close</u>	<u>2nd Open</u>	<u>2nd Close</u>
Minutes: 45	Minutes: 30	Minutes: 45	Minutes: 30
Current Reading: 13.7" at 45 min	Current Reading: 0" at 30 min	Current Reading: 8.5" at 45 min	Current Reading: 0" at 30 min
Max Reading: 13.7"	Max Reading: 0"	Max Reading: 8.5"	Max Reading: 0"

Inside Recorder





**Company: Castle Resources, Inc**

**Lease: Focke #1**

SEC: 22 TWN: 2S RNG: 34W  
 County: RAWLINS  
 State: Kansas  
 Drilling Contractor: White Knight Drilling, LLC - Rig 1  
 Elevation: 3110 EGL  
 Field Name: Wildcat  
 Pool: WILDCAT  
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**Operation:**  
 Test Complete

**DATE**  
 August  
**20**  
 2018

**DST #1**    **Formation: L/KC "J-L"**    **Test Interval: 4190 - 4330'**    **Total Depth: 4330'**  
 Time On: 10:00 08/20    Time Off: 16:19 08/20  
 Time On Bottom: 11:45 08/20    Time Off Bottom: 14:15 08/20

Recovered

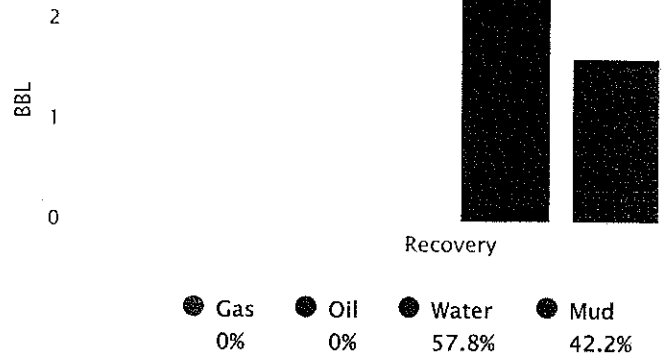
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
88	1.25224	SLWCM	0	0	18	82
63	0.89649	HMCW	0	0	55	45
126	1.79298	SLMCW	0	0	87	13

Total Recovered: 277 ft  
 Total Barrels Recovered: 3.94171

**Reversed Out**  
 NO

Initial Hydrostatic Pressure	2107	PSI
Initial Flow	30 to 113	PSI
<b>Initial Closed in Pressure</b>	<b>1228</b>	<b>PSI</b>
Final Flow Pressure	114 to 178	PSI
<b>Final Closed in Pressure</b>	<b>1184</b>	<b>PSI</b>
Final Hydrostatic Pressure	2103	PSI
Temperature	138	°F
Pressure Change Initial Close / Final Close	3.6	%

**Recovery at a glance**











**Company: Castle Resources, Inc**

**Lease: Focke #1**

SEC: 22 TWN: 2S, RNG: 34W  
County: RAWLINS  
State: Kansas  
Drilling Contractor: White Knight  
Drilling, LLC - Rig 1  
Elevation: 3110 EGL  
Field Name: Wildcat  
Pool: WILDCAT  
Job Number: 195

**Operation:**  
Test Complete

**DATE**  
August  
**20**  
2018

**DST #1**      **Formation: L/KC "J- L"**      **Test Interval: 4190 - 4330'**      **Total Depth: 4330'**  
Time On: 10:00 08/20      Time Off: 16:19 08/20  
Time On Bottom: 11:45 08/20      Time Off Bottom: 14:15 08/20

**Mud Properties**

**Mud Type:** Chemical      **Weight:** 9.4      **Viscosity:** 45      **Filtrate:** 11.2      **Chlorides:** 2,000 ppm



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Elevation: 3110 EGL  
Field Name: Wildcat  
Pool: WILDCAT  
Job Number: 195

**Operation:**  
Test Complete

**DATE**  
August  
**20**  
2018

DST #2    Formation: Preach    Test Interval: 3939 - 3971'    Total Depth: 4330'

Time On: 16:46 08/20    Time Off: 23:36 08/20  
Time On Bottom: 19:02 08/20    Time Off Bottom: 21:02 08/20

Electronic Volume Estimate:  
19'

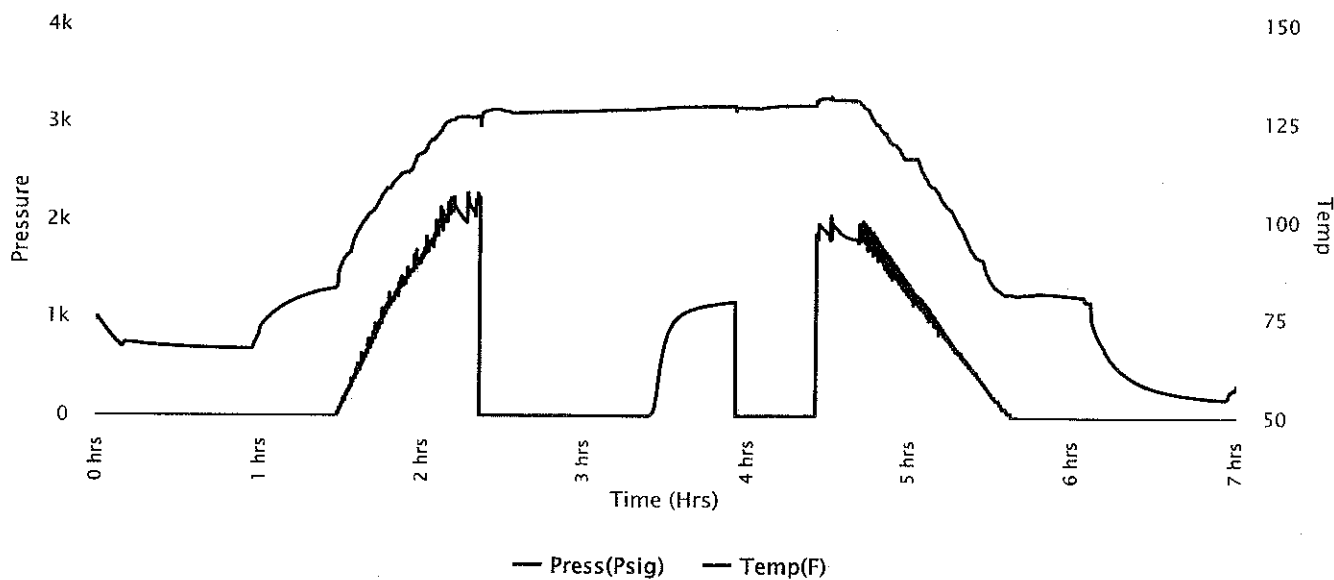
1st Open  
Minutes: 60  
Current Reading:  
1.8" at 60 min  
Max Reading: 1.8"

1st Close  
Minutes: 30  
Current Reading:  
0" at 30 min  
Max Reading: 0"

2nd Open  
Minutes: 30  
Current Reading:  
0" at 30 min  
Max Reading: 0"

2nd Close  
N/A

Inside Recorder





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County: RAWLINS  
State: Kansas  
Drilling Contractor: White Knight Drilling, LLC - Rig 1  
Elevation: 3110 EGL  
Field Name: Wildcat  
Pool: WILDCAT  
Job Number: 195

**Operation:**  
Test Complete

**DATE**  
August  
**20**  
2018

**DST #2**      **Formation: Preach**      **Test Interval: 3939 - 3971'**      **Total Depth: 4330'**  
Time On: 16:46 08/20      Time Off: 23:36 08/20  
Time On Bottom: 19:02 08/20      Time Off Bottom: 21:02 08/20

### Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
25	0.35575	SLWCM	0	0	2	98

Total Recovered: 25 ft  
Total Barrels Recovered: 0.35575

**Reversed Out**  
NO

### Recovery at a glance

Initial Hydrostatic Pressure	2093	PSI
Initial Flow	19 to 21	PSI
<b>Initial Closed in Pressure</b>	<b>1183</b>	<b>PSI</b>
Final Flow Pressure	23 to 26	PSI
<b>Final Closed in Pressure</b>	<b>0</b>	<b>PSI</b>
Final Hydrostatic Pressure	1912	PSI
Temperature	130	°F
Pressure Change Initial Close / Final Close	0.0	%

BBL 0.2

0

Recovery

● Gas 0%    ● Oil 0%    ● Water 2%    ● Mud 98%





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Test Complete

**DATE**  
August  
**20**  
2018

DST #2      Formation: Preach      Test Interval: 3939 - 3971'      Total Depth: 4330'  
Time On: 16:46 08/20      Time Off: 23:36 08/20  
Time On Bottom: 19:02 08/20      Time Off Bottom: 21:02 08/20

### BUCKET MEASUREMENT:

1st Open: Weak, surface blow building to 1 3/4 ins. in 60 mins.  
1st Close: No blow back.  
2nd Open: No blow. No build. Pulled tool.

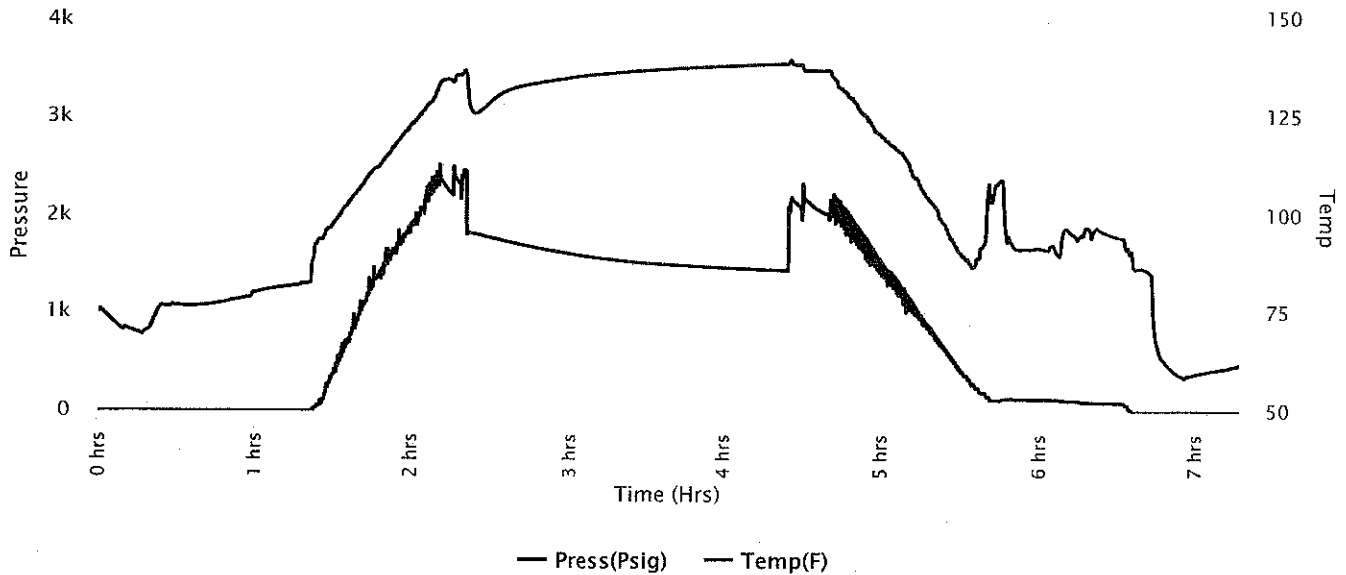
### REMARKS:

Several oil specks in 20 ft. recovery.

Below Straddle Max PSI: 1807

Tool Sample: 0% Gas 2% Oil 4% Water 94% Mud

### Below Straddle Recorder





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Drilling Contractor: White Knight Drilling, LLC - Rig 1  
Elevation: 3110 EGL  
Field Name: Wildcat  
Pool: WILDCAT  
Job Number: 195

**Operation:**  
Test Complete

**DATE**  
August  
**20**  
2018

**DST #2**      **Formation: Preach**      **Test Interval: 3939 - 3971'**      **Total Depth: 4330'**  
Time On: 16:46 08/20      Time Off: 23:36 08/20  
Time On Bottom: 19:02 08/20      Time Off Bottom: 21:02 08/20

### Down Hole Makeup

<b>Heads Up:</b> 15.43 FT	<b>Packer 1:</b> 3933.5 FT
<b>Drill Pipe:</b> 3928.77 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 3939 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Packer 3:</b> 3971 FT
<b>Collars:</b> FT <i>ID-2 1/4</i>	<b>Top Recorder:</b> 3925.5 FT
<b>Test Tool:</b> 26.66 FT <i>ID-3 1/2-FH</i>	<b>Bottom Recorder:</b> 3944 FT
<b>Total Anchor:</b> 32	<b>Below Straddle Recorder:</b> 4322 FT
<b>Anchor Makeup</b>	<b>Well Bore Size:</b> 7 7/8
<b>Packer Sub:</b> 1 FT	<b>Surface Choke:</b> 1"
<b>Perforations: (top):</b> 3 FT <i>4 1/2-FH</i>	<b>Bottom Choke:</b> 5/8"
<b>Change Over:</b> FT	
<b>Drill Pipe: (in anchor):</b> FT <i>ID-3 1/2</i>	
<b>Change Over:</b> FT	
<b>Perforations: (below):</b> 28 FT <i>4 1/2-FH</i>	
<b>STRADDLE</b>	
<b>Straddle Packer(s):</b> 1 FT	
<b>Change Over:</b> 1 FT	
<b>Drill Pipe:</b> 348 FT <i>ID-3 1/2"</i>	
<b>Change Over:</b> 1 FT	
<b>Perforations (in tail pipe):</b> 9 FT <i>4 1/2-FH</i>	





# JERRY GREEN

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

## GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY: Castile Resources  
 LEASE: FOCKE #1  
 FIELD NO.: KS 3112

LOCATION: 2445 FCSL 1880 FWL  
 SEC: 22 TWP: 2S RGE: 3AW  
 COUNTY: RAWLINS STATE: KS.

CONTRACTOR: WHITE KNIGHT DRILG.  
 SPUD: 8-15-18 COMP: 8-22-18  
 RTD: 4700 LTD: \_\_\_\_\_  
 MID UP: 3600 TYPE: MUD

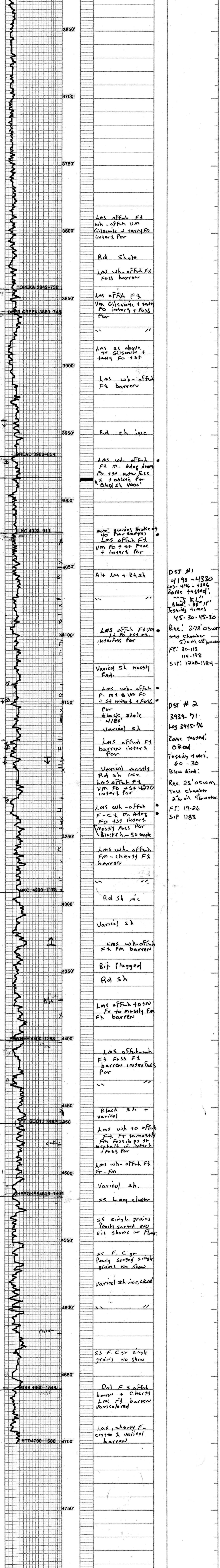
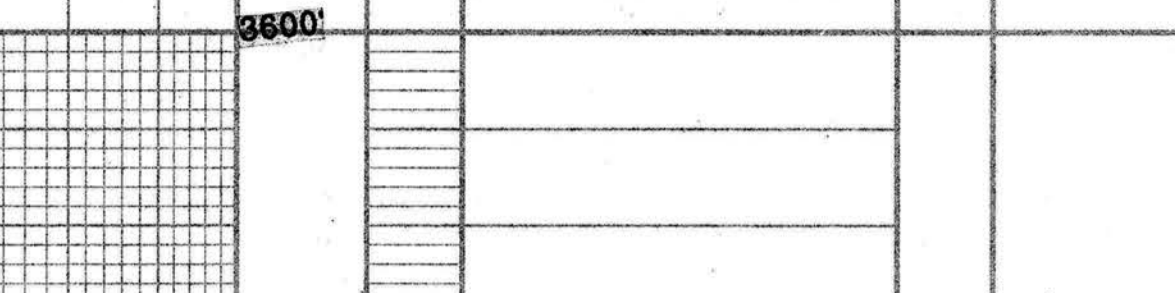
SAMPLES SAVED FROM: 3800 TO: TD.  
 DRILLING TIME KEPT FROM: 3600 TO: TD.  
 SAMPLES EXAMINED FROM: 3800 TO: TD.

GEOLOGICAL SUPERVISION FROM: 3800 TO: TD.  
 GEOLOGIST ON WELL: 18TH-TD TO: TD.

FORMATION TOPS	LOG	SAMPLES
ANHY. 2807-2846	2052902-2941	210
TOPEKA 3840-728	3842-730	
DEER CREEK 3864-748	3860-748	
OREAD 3972-860	3966-854	
BKC 4031-919	4023-911	
FAVORIT 4296-1184	4296-1178	
SCOTT 4408-1298	4408-1298	
SCOTT 4528-1410	4516-1404	
CHEROKEE 4666-1554	4660-1548	
MISS 4706-1594	4700-1588	

REMARKS: This well was 1'-4' lower than the Nearest show Hole (Murfin 1-22 Focke) and is a show hole as well. Reservoir rock exists in the area, structure is needed. We ran a log thru the BKC (two logs) but our 2nd log ran into a couple of bridges, not allowing us to have log tops below the BKC. All parties recommended plugging. respectfully

### LEGEND



CONTRACTOR \_\_\_\_\_ LOCATION \_\_\_\_\_  
 LEASE \_\_\_\_\_ IP \_\_\_\_\_ SEC \_\_\_\_\_ TWP \_\_\_\_\_ RING \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ RTD \_\_\_\_\_ COUNTY \_\_\_\_\_ STATE \_\_\_\_\_