KOLAR Document ID: 1533682

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 # 9860
Name: Castle Resources, Inc.
Address 1: PO BOX 583
Address 2:
City: RUSSELL State: KS Zip: 67665 + 0583
Contact Person: Jerry Green
Phone: (785) 625-5155
CONTRACTOR: License # 34743
Name: White Knight Drilling LLC
Wellsite Geologist: Jerry Green
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 #:

10/15/2020 Spud Date or Recompletion Date
10/22/2020 Date Reached TD
10/22/2020 Completion Date or Recompletion Date

API No.: 15-057-21045-00-00
Spot Description:
NW SE NW NW Sec. 12 Twp. 25 S. R. 24 ☐ East ☑ West
830 Feet from ☑ North / ☐ South Line of Section
759 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☑ NW ☐ SE ☐ SW
GPS Location: Lat: (e.g. xx.xxxxx) , Long: (e.g. -xxx.xxxxx)
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Ford
Lease Name: DOC HOLLIDAY/FISCHER Well #: 2
Field Name:
Producing Formation: Mississippi
Elevation: Ground: 2355 Kelly Bushing: 2360
Total Vertical Depth: 5400 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 219 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: 8000 ppm Fluid volume: 300 bbls
Dewatering method used: Evaporated
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:** Karen Ritter **Date:** 01/20/2021

Operator Name: Castle Resources, Inc. Lease Name: DOC HOLLIDAY/FISCHER Well #: 2

Sec. 12 Twp. 25 S. R. 24 ☐ East ☑ West County: Ford

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 *(Attach Additional Sheets)*	☐ Yes	☑ No
Samples Sent to Geological Survey	☐ Yes	☑ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☑ Yes	☐ No
Geologist Report / Mud Logs	☑ Yes	☐ No

List All E. Logs Run:

Dual comp porosity
Dual Induction

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name: Attached Top: Attached Datum: Attached

CASING RECORD ☑ New ☐ 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	20	219	common	150	3%CC 2%Gel

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	-			
	-			

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: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

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

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	Top / Bottom

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*

TUBING RECORD: Size: Set At: Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Castle Resources, Inc.
Well Name	DOC HOLLIDAY/FISCHER 2
Doc ID	1533682

Tops

Name	Top	Datum
Anhydrite	1478-1526	+882
Heebner	3981	-1623
LKC	4076	-1716
BKC	4464	-2104
Altamont	4514	-2155
Ft. Scott	4633	-2273
Cherokee	4652	-2292
Mississippi	4750	-2390

Form	ACO1 - Well Completion
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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	20	219	common	150	3%CC 2%Gel

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
LEASE: DOC HOLLIDAY/FISCHER#2
FIELD:
LOCATION: 795'FWL 830'FNL
SEC: 12 TWSP: 25S RGE: 24W
COUNTY: FORD STATE: KS.
CONTRACTOR: WHITE KNIGHT DRLG.
SPUD: 10-14-20 COMP: 10-22-20
RTD: 5400' LTD:
MUD UP: 3500' TYPE MUD: CHEM.
SAMPLES SAVED FROM: 1400' TO TD
DRILLING TIME KEPT FROM: 3800' TO TD
SAMPLES EXAMINED FROM: 1400-1600 3800- TD TO TD.
GEOLOGICAL SUPERVISION FROM: 1400' TO TD.
GEOLOGIST ON WELL: 15TH-22ND

ELEVATIONS
KB: 2360
DF:
GL: 2355'
Measurements Are All From KB.

CASING
SURFACE: @219
PRODUCTION:

ELECTRICAL SURVEYS
STACK

FORMATION TOPS	LOG	SAMPLES
ANHY.	1479 881	1478 882
HEEBNER	3980-1620	3981-1621
LKC.	4076-1716	4074-1714
BKC.	4464-2104	4464-2104
ALTA.	4516-2156	4515-2155
FT SCOTT	4635-2275	4633-2273
CHEROKEE	4650-2290	4652-2292
MISS.	4750-2390	4750-2390
VIOLA		5240-2880
RTD.		5400'-3040

REMARKS
This well ran Flat +1 with the Doc Holliday/Fischer #1. Unfortunately the Top of the Mississippi was weathered with no Perm, (a bald Knob). We logged 100' in the Miss to make straddle testing easier. No Testing areas were available. We then drilled deeper. ~~The~~ The Viola thinned such that it was 79' high on the Viola with no shows. At the Viola we were still 47' low to the #1 to the Elm Creek 2-2 and the Scott Richie Smith Rebein. The Decision to plug was made.
respectfully
[signature]

LEGEND
Anhydrite, Salt, Sandstone, Shale, Carb sh, Limestone, Ool.Lime, Chert, Dolomite

DRILLING TIME IN MINUTES PER FOOT (Rate of Penetration Decreases; 5" 10" 15")	DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS

Depth	Sample descriptions
~1475'	Anhydrite
1500'	SS F-M gr w/ glauc INC barren
~1515'	Anhy
~3985'	Black sh inc 4000' sample
~4015'	Lms offwh cherty Fx barren
~4085'	Lms, wh- offwh Chalky - Fm barren
~4125'	" "
~4165'	" "
~4235'	Lms offwh oolicast Fx Lt-tn barren 60
~4270'	Lms wh - offwh chalky - Fm Fx barren
~4295'	Lms wh- tn Fr - Fm Foss barren chalky
~4325'	" "
~4360'	Lms tn Foss Fx Fm barren 90 oolicastic + oolitic
~4385'	Black sh inc
~4405'	Black sh inc 30 carry
~4420'	Lms wh- offwh Chalky - Fm Fx barren
~4455'	Lms. offwh Fm Fx barren
~4505'	Lms wh - offwh Fr-Fm barren
~4520'	" "
~4535'	Black sh inc
~4570'	Lms wh - offwh Fm - cherty Fx barren
~4620'	Lms offwh Fx Fr-Fm Fx barren
~4630'	Black shale
~4645'	Lms wh - offwh Fr-Fm Fx barren
~4660'	Black sh inc
~4675'	Alt barren limes offwh - tn Fx barren + Varicol shales
~4715'	" "
~4755'	Lms offwh Fx - mx VM Lt Fo tst intert Por
~4770'	Lms wh - offwh Fx VM - M Fo tst intert Por
~4810'	Lms wh - yellowish Fx chalky Fx barren
~4835'	" "
~4860'	Dol wh - offwh Cherty barren
~4910'	Dol offwh to brown Fx Tr oolic barren
~4935'	Dol offwh to brown Fx vugs + some glauc inclusions barren
~4975'	Dol offwh to brown F-mx vuggy Por with some preserved Fossils barren
~5015'	" "
~5055'	Chert, white Barren
~5080'	Dol + wh - tn cherty s.l. barren chert wh - offwh
~5120'	" "
~5140'	Dol cherty wh - tn some glauc inclusions Fm barren INC in chalk
~5190'	Lms wh chalky Fx barren
~5220'	INC. Varicol Shales SS V F gr TN Clusters barren
~5245'	Dol Lt-tn Fx Chert wh - offwh all barren
~5270'	Dol TN Fx + wh chalk barren
~5305'	Dol offwh - tn Fx cherty with abundant wh chalk all barren
~5345'	" "
~5365'	" "
~3019	
~5395'	" Trace Green shale "

DRILLING TIME Minutes/Foot (Rate of Penetration Decreases; 5" 10" 15")	DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS

CONTRACTOR ______ LOCATION ______
LEASE ______ IP ______ SEC ______ TWP ______ RNG ______
ELEVATION ______ RTD ______ COUNTY ______ STATE ______

LOG

SWIFT Services, Inc.

DATE 10-15-2022 | PAGE NO. 1

CUSTOMER Castle Resources | WELL NO. #2 | LEASE Dr. Holliday - Fischer | JOB TYPE Surface Pipe | TICKET NO. 033351

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T	PUMPS C	PRESSURE (PSI) TUBING	PRESSURE (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
	1500							ON Location 8 5/8" 20lb/ft
								RTD: 222
	1615							@ Start 8 5/8" Csg in well
	1645							Break Circulation
	1700	3 1/2	5		✓		200	Pump 5 bbl H2O Spacer
	1705	4	36		✓		200	Mix 150 sks of CMT
	1715	4	0		✓		100	Start Displacement
		4	11		✓		250	* Circulate CMT to Surface *
	1730	—	13.5		✓		200	KO Pump * Shut in *
								- Release Pressure * Held *
								* Plug down @ 5:30 PM *
								Wash up Trk #112
	1800							Job Complete
								150 sks of Standard w/ 2% gel, 3% CC Mixed @ 14.7 ppg
								Thanks!
								Judson, Kerby, Dusty

JOB LOG

SWIFT Services, Inc.

DATE 10-22-2020 | PAGE NO. 1

CUSTOMER Castle Resources | WELL NO. #2 | LEASE Doc Holliday - Fischer | JOB TYPE PTA | TICKET NO. 033356

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T	PUMPS C	PRESSURE (PSI) TUBING	PRESSURE (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
	1600							ON Location 4½" DP
	1730	4	13.1		✓		250	Plug @ 1500' w/ 50 sks of 60/40 Pozmix 4% gel w/ ¼# Flocele @ 13.1 ppg
	1815	4	13.1		✓		200	Plug @ 770' w/ 50 sks
	1845	4	13.1		✓		100	Plug @ 250' w/ 50 sks
	1945	4	5.25		✓		-	Plug @ 60' w/ 20 sks *Circulate CMT to Surface*
	2000	2	8		✓		100	Plug RH w/ 30 sks
2015	[illegible]							Wash up Trk #112
2045	[illegible]							Job Complete
								200 sks of 60/40 Pozmix 4% gel ¼# Flocele used
								Thanks!
								Gedeon, Kerby, Shane