KOLAR Document ID: 1432977

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 # 35138
Name: S & B Operating LLC
Address 1: 6340 GLENWOOD ST STE 103
Address 2:
City: OVERLAND PARK State: KS Zip: 66202 + 4008
Contact Person: Bradley Kramer
Phone: (913) 871-3500
CONTRACTOR: License # 8509
Name: Evans Energy Development, Inc.
Wellsite Geologist: None
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 #:

12/12/2018 Spud Date or Recompletion Date
12/17/2018 Date Reached TD
12/17/2018 Completion Date or Recompletion Date

API No.: 15-121-31568-00-00
Spot Description:
NW SW SE NW Sec. 17 Twp. 16 S. R. 24 ☑ East ☐ West
3220 Feet from ☐ North / ☑ South Line of Section
3840 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: Miami
Lease Name: BARKIS Well #: SB-10
Field Name: Paola-Rantoul
Producing Formation: Squirrel
Elevation: Ground: 1018 Kelly Bushing: 1021
Total Vertical Depth: 718 Plug Back Total Depth: 676
Amount of Surface Pipe Set and Cemented at: 22 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 708
feet depth to: 0 w/ 65 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 0 ppm Fluid volume: 30 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: 01/13/2019
☐ **Confidential Release Date:** 01/12/2021
☑ **Wireline Log Received** ☐ **Drill Stem Tests Received**
☐ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** Karen Ritter **Date:** 01/14/2019

Operator Name: S & B Operating LLC Lease Name: BARKIS Well #: SB-10

Sec. 17 Twp. 16 S. R. 24 ☑ East ☐ West County: Miami

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 ☐ Yes ☑ No
(Attach Additional Sheets)

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:

Gamma Ray/Neutron/CCL

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

Name	Top	Datum
Squirrel	635	+383

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	9.875	7	17	22	Portland	6	NA
Production	5.625	2.875	6.5	708	Thixoblend II	65	See Ticket

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: ☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
	-			
	-			

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: 01/08/2019

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	10				

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION: ☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*

PRODUCTION INTERVAL:

Top	Bottom
635	641

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)*
4	635	641			23 Perfs - 2" DML RTG 90 Degree Phase

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	S & B Operating LLC
Well Name	BARKIS SB-10
Doc ID	1432977

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	9.875	7	17	22	Portland	6	NA
Production	5.625	2.875	6.5	708	Thixoblend II	65	See Ticket

QES

PRESSURE PUMPING LLC
PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

12199
12078

TICKET NUMBER 55533
LOCATION Ottawa KS
FOREMAN Casey Kennedy

FIELD TICKET & TREATMENT REPORT
CEMENT

Invoice #814751

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12/17/18	7381	Barkis # SB-10	NW17	16	24	MI

CUSTOMER: S+B Operating

MAILING ADDRESS: 9393 W. 110th St, Ste 500

CITY: Overland Park | STATE: KS | ZIP CODE: 66210

TRUCK #	DRIVER	TRUCK #	DRIVER
729	Casken	✓ Safety	Meeting
467	KeiCas	✓	
804	HarBec	✓	
675	KeiDet	✓	

JOB TYPE longstring | HOLE SIZE 5 5/8" | HOLE DEPTH 718' | CASING SIZE & WEIGHT 2 7/8" EUE
CASING DEPTH 708' | DRILL PIPE | TUBING baffle - 676' | OTHER
SLURRY WEIGHT | SLURRY VOL | WATER gal/sk | CEMENT LEFT In CASING 32'
DISPLACEMENT 3.91 bbls | DISPLACEMENT PSI | MIX PSI | RATE 4 bpm

REMARKS: Held safety meeting, established circulation, mixed + pumped 200# Gel followed by 5 bbls fresh water, mixed + pumped 65 sks Thixoblend II cement w/ 1# Phenoseal per sk, cement to surface, flushed pump clean, pumped 2½" rubber plug to baffle w/ 3.91 bbls fresh water, pressured to 800 PSI, released pressure to set float valve.

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	1500.00	
CE0002	35 mi	MILEAGE	250.25	
CE0711	min	ton mileage	660.00	
WE0853	2 hrs	80 Vac	200.00	
		trucks	2610.25	
		-48%	1252.92	
		subtotal		1357.33
CC5861 / 8965	65 sks	Thixoblend II cement	1755.00	
CC5965	200 #	Gel	60.00	
CC6079	65 sks	Phenoseal	87.75	
CP8176	1	2½" rubber plug	45.00	
		materials	1947.75	
		-48%	934.92	
		subtotal		1012.83
		8%	SALES TAX	81.03
			ESTIMATED TOTAL	2451.18 (4713.82)

Ravin 3737

SCANNED

AUTHORIZTION No Co Rep 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, will control the relationship between us.

EVANS ENERGY DEVELOPMENT INC.
24 S. Gold Paola, KS 66071

Oil & Gas Well Drilling
Water Wells
Geo-Loop Installation

Phone: 913-557-9083
Fax: 913-557-9084

WELL LOG

S & B Operating LLC
Barkis #SB-10
API #15-121-31,568
December 12 - December 17, 2018

Thickness of Strata	Formation	Total	
6	soil & clay	6	
2	lime	8	
10	shale	18	
2	lime	20	
44	shale	64	
30	lime	94	
14	shale	108	
10	lime	118	
10	shale	128	
1	lime	129	
22	shale	151	
3	lime	154	
14	shale	168	
1	lime	169	
25	shale	194	
9	lime	203	
17	shale	220	
11	lime	231	
1	shale	232	
14	lime	246	
7	shale	253	
20	lime	273	
2	shale	275	
2	lime	277	
3	shale	280	
11	lime	291	base of the Kansas City
14	shale	305	
4	broken sand	309	brown sand & grey sand, very light oil show
108	shale	417	
6	sand	423	grey, no show no odor
58	shale	481	
5	lime	486	
2	shale	488	
7	lime	495	
6	shale	501	
8	lime	509	
18	shale	527	
4	lime	531	brown & oil show

2	shale	533	
1	coal	534	
7	shale	541	
7	lime	548	
2	shale	550	
6	lime	556	
12	shale	568	
1	lime	569	
19	shale	588	
1	lime	589	
6	shale	595	
1	silty shale	596	
25	shale	621	
1	lime & shells	622	
7	shale	629	
1	lime & shells	630	
3	silty shale	633	
1.5	broken sand	634.5	15% light brown sand 85% shale light bleeding
1.5	broken sand	636	75% brown sand 25% shale ok bleeding, gassy
4	oil sand	640	brown sand, good bleeding, gassy
0.5	sand	640.5	black sand, oil show
2	shale	642.5	
2	broken sand	644.5	30% laminated brown and black sand 70% shale, ok bleeding
9.5	shale	654	
1	limey sand	655	
2	silty shale	657	
15	shale	672	
1	coal	673	
9	shale	682	
1	limey sand	683	
11	shale	694	
3	silty shale	697	
21	shale	718	TD

Drilled a 9 7/8" hole to 21.8'
Drilled a 5 5/8" hole to 718'

Set 21.8' of 7" surface casing threaded and coupled, cemented with 6 sacks cement.

Set 707.8' of 2 7/8" 8 round upset tubing including 3 centralizers, 1 float shoe, 1 clamp, and baffle
Baffle set at 675.95'

Core Times

	Minutes	Seconds
633		45
634		41
635		42
636		46
637		53
638		47
639		44
640		45
641		43
642		44
643		57
644	1	0
645	1	8
646	1	7
647	1	6
648	1	3
649	1	2
650	1	7
651		59
652		35