KOLAR Document ID: 1432983

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 #:

12/17/2018 Spud Date or Recompletion Date
12/18/2018 Date Reached TD
12/18/2018 Completion Date or Recompletion Date

API No.: 15-121-31571-00-00
Spot Description:
SE - SE - SW - NW Sec. 17 Twp. 16 S. R. 24 ☑ East ☐ West
2890 Feet from ☐ North / ☑ South Line of Section
4170 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-13
Field Name: Paola-Rantoul
Producing Formation: Squirrel
Elevation: Ground: 1024 Kelly Bushing: 1027
Total Vertical Depth: 719 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: 709
feet depth to: 0 w/ 71 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

Page Two

Operator Name: S & B Operating LLC Lease Name: BARKIS Well #: SB-13

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	636	+388

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	709	Thixoblend II	71	See Ticket

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: 01/09/2019

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
636	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	636	641			21 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-13
Doc ID	1432983

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	709	Thixoblend II	71	See Ticket

12217
12093

TICKET NUMBER 55487
LOCATION Ottawa KS
FOREMAN Jim Green

Invoice #814762

QES

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

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12-18-18	7381	Barkis S&B 13	NW 17	16	21	MT

CUSTOMER: S&B Operating

MAILING ADDRESS: 9393 W. 110th St Ste 500

CITY	STATE	ZIP CODE
Overland Park	KS	66210

TRUCK #	DRIVER	TRUCK #	DRIVER
649	Tom Gre		
467	Ker Car		
675	Ker Dot		
804	Cas Ken		

JOB TYPE Long String HOLE SIZE 5 5/8" HOLE DEPTH 719' CASING SIZE & WEIGHT 2 7/8" EU
CASING DEPTH 709' DRILL PIPE Ball 676' TUBING OTHER
SLURRY WEIGHT SLURRY VOL WATER gal/sk CEMENT LEFT in CASING
DISPLACEMENT DISPLACEMENT PSI MIX PSI RATE

REMARKS: Held safety meeting. Mix and pump 200# Gel to fl
hole. Mix and pump 71sk Thixobland II cement with 1# Pheno
Circulated Cement to surface. Flush pump clear of cement.
Pump 2½" rubber plug to total depth of casing. Pressure u
600# PSI well held, Set float.

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	1500.00	
CE0002	35	MILEAGE	250.25	
CE0211	min	Ton Mileage	660.00	
WE0853	2 hrs	80 VAC	200.00	
			2610.25	
		Less -48%	1252.92	
				1357.
CC5861	71 sk	Thixoblend II Cement	19.17.00	
CC5965	200 #	Gel	60.00	
CC6079	71 #	Phenoseal	95.85	
CP8176	1	2⅞" Rubber Plug	45.00	
			2117.85	
		Less -48%	1016.57	
				1101.2
		8%	SALES TAX	88.16
			ESTIMATED TOTAL	2546.

SCANNED
SCANNED

Ravin 3737

AUTHORIZTION 12/18/18 TITLE 12-18-18 DATE 4897.

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-13
API #15-121-31,571
December 17 - December 18, 2018

Thickness of Strata	Formation	Total	
3	soil & clay	3	
10	lime	13	
55	shale	68	
1	lime	69	
6	shale	75	
22	lime	87	
14	shale	111	
11	lime	122	
8	shale	130	
3	lime	133	
20	shale	153	
4	lime	157	
36	shale	193	
14	lime	207	
14	shale	221	
16	lime	237	
2	shale	239	
8	lime	247	
7	shale	254	
11	lime	265	oil show
8	shale	273	
7	lime	280	
3	shale	283	
12	lime	295	base of the Kansas City
12	shale	307	
2	broken sand	309	badly broken brown sand, light oil odor
108	shale	417	
6	sand	423	grey sand
48	shale	471	
1	coal	472	
9	shale	481	
3	lime	484	
4	shale	488	
6	lime	494	
7	shale	501	
7	lime	508	
19	shale	527	
4	lime	531	
11	shale	542	

8	lime	550	
2	shale	552	
9	lime	561	
9	shale	570	
1	lime	571	
10	shale	581	
6	lime	587	
7	shale	594	
1	coal	595	
31	shale	626	
1	lime & shells	627	
6	shale	633	
1	lime & shells	634	
2	silty shale	636	
1.5	oil sand	637.5	soft brown sand, good bleeding
1.5	broken sand	639	40% brown sand, 60% shale light bleeding
1.5	oil sand	640.5	good bleeding, brown sand, very thin shale lamination
2.5	silty shale	643	
1	broken sand	644	30% brown sand 70% laminated shale ok bleeding
46	shale	690	
1	coal	691	
3	shale	694	
2	sand	696	grey sand, no show, no odor
23	shale	719	TD

Drilled a 9 7/8" hole to 22'
Drilled a 5 5/8" hole to 719'

Set 22' of 7" surface casing threaded and coupled, cemented with 6 sacks cement.

Set 709.35' of 2 7/8" 8 round upset tubing including 3 centralizers, 1 float shoe, 1 clamp, and baffle
Baffle set at 676.4'

Core Times

	Minutes	Seconds
636		44
637	1	1
638		38
639		39
640		40
641		42
642		43
643		52
644		44
645		40
646		48
647		43
648		46
649		43
650		46
651		44
652		46
653		42
654		51
655		42