KOLAR Document ID: 1496916

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 # 34611
Name: Justin Energy Corporation
Address 1: 40971 W 247TH ST.
Address 2:
City: WELLSVILLE State: KS Zip: 66092 + 4047
Contact Person: Justin Energy
Phone: (785) 248-1237
CONTRACTOR: License # 8509
Name: Evans Energy Development, Inc.
Wellsite Geologist: NA
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 #:

1/22/2020	1/23/2020	1/23/2020
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-059-27252-00-00
Spot Description:
SW - NE - NW - NE Sec. 20 Twp. 16 S. R. 21 ☑ East ☐ West
4903 Feet from ☐ North / ☑ South Line of Section
1855 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: Franklin
Lease Name: NORTH HOEHN Well #: I-9
Field Name: Paola-Rantoul
Producing Formation: Squirrel
Elevation: Ground: 978 Kelly Bushing: 0
Total Vertical Depth: 698 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 20 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: 1500 ppm Fluid volume: 0 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:** 02/11/2020

Operator Name: Justin Energy Corporation Lease Name: NORTH HOEHN Well #: I-9

Sec. 20 Twp. 16 S. R. 21 ☑ East ☐ West County: Franklin

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:

GammaRayNeutronCCL

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

Name	Top	Datum
Squirrel	644	GL

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	20	Portland	5	50/50 POZ
Production	5.625	2.875	6.5	688	Portland	95	50/50 POZ

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 644 – Bottom 650; Top 655 – Bottom 660

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)*
	644	650			
	655	660			

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	Justin Energy Corporation
Well Name	NORTH HOEHN I-9
Doc ID	1496916

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	20	Portland	5	50/50 POZ
Production	5.625	2.875	6.5	688	Portland	95	50/50 POZ

EVANS ENERGY DEVELOPMENT
24 S. Gold
Paola, KS 66071

Allen's Holdings & Investments
Oil & Gas Well Drilling
Water Wells
Geo-Loop Installation
Phone: 913-557-9083
Fax: 913-557-9084

WELL LOG
Justin Energy Corporation
North Hoehn # I-9
API #15-059-27252-00-00
January 22, 2020- January 23, 2020

Thickness of Strata	Formation	Total	
2	soil & clay	2	
23	lime	25	
6	shale	31	
11	lime	42	
5	shale	47	
16	lime	63	
34	shale	97	
21	lime	118	
80	shale	198	
7	lime	205	
38	shale	243	
7	lime	250	
15	shale	265	
8	broken sand	273	brown sand & shale good bleed
7	shale	280	
5	lime	285	
7	shale	292	
1	lime	293	
2	shale	295	
3	lime	298	
9	shale	307	
18	lime	325	
15	shale	340	
20	lime	360	
3	shale	363	
5	lime	368	
2	shale	370	
4	lime	374	BKC/Hertha
114	shale	488	
3	broken sand	491	brown sand & shale light bleed
29	shale	520	
4	lime	524	
11	shale	535	lime laminations
6	sand	541	coarse grained grey sand light oil show gassy
4	limy sand	545	
4	sand	549	soft light brown sand light oil show
20	shale	569	
1	coal	570	

5	shale	575	
7	lime	582	
13	shale	595	
2	lime	597	
9	shale	606	
9	lime	615	
4	shale	619	
2	lime	621	
6	shale	627	
1	lime	628	hard white lime
1	shale	629	black
2	lime	631	soft brown lime good bleed
1	lime	632	hard no show
4	shale	636	
1	silty shale	637	
1.5	broken sand	638.5	CP 50% brown sand, 50% shale light bleed
5	lime	643.5	lime with shale laminations
3	broken sand	646.5	40% brown sand, 60% shale light bleed
1.5	oil sand	648	brown sand,ok bleed
1	broken sand	649	50% brown sand, 50% shale light bleed
1	oil sand	650	brown sand,ok bleed
1	broken sand	651	50% brown sand, 50%shale ok bleed
4	oil sand	655	light brown sand
5.5	oil sand	660.5	brown sand, good bleed
23.5	shale	684	
1	lime & shells	685	
8	shale	693	
5	sand	698	TD black & grey no show

Drilled a 9 7/8" hole to 20'
Drilled a 5 5/8" hole to 698'

Set 20' of 7" surface casing threaded and coupled, cemented with 5 sacks cement.

Set 688' of new 2 7/8" 8 round upset tubing including 3 centralizers, 1 float shoe, 1 clamp

40' Cored 638'-677'

Dug 1 pit

Core Sample

	Min.	Sec.
638	1	25
639	1	17
640	1	21
641		38
642		52
643		36
644		54
645		48
646		43
647		45
648		35
649		45
650		43
651		58
652		58
653		48
654		54
655		50
656		54
657		52
658		42
659		45
660		55
661		49
662		47
663		49
664		52
665		54
666		53
667	1	6
668		56
669		57
670		52
671	1	0
672		56
673		55
674		58
675	1	45
676		
677		

CEMENT TREATMENT REPORT

Customer:	Justin Energy Corporation	Well:	North Hoehn I-9	Ticket:	ICT3053
City, State:	Wellsville, KS	County:	FR, KS	Date:	1/23/2020
Field Rep:	Justin Hoehn	S-T-R:	20-16-21	Service:	longstring

Downhole Information	
Hole Size:	5 5/8 in
Hole Depth:	698 ft
Casing Size:	2 7/8 in
Casing Depth:	688 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Depth:	ft
Displacement:	3.98 bbls

Calculated Slurry	
Weight:	14.25 # / sx
Water / Sx:	gal / sx
Yield:	ft^3 / sx
Bbls / Ft.:	
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	0.00 bbls
Total Sacks:	#DIV/0! sx

Product	% / #	#
Class A	50%	4465
Poz	50%	3515
Gel	2%	160
CaCl		
Gypsum		
Phenoseal	.5#	
Kol Seal		
Flo Seal		
Salt		
Total		8,140

TIME	RATE	PSI	BBLs	REMARKS
4:30 PM	4.0			established circulation
	4.0			mixed and pumped 200# bentonite gel followed by 5 bbls fresh water
	4.0			mixed and pumped 95 sks 50/50 Pozmix cement w/ 2% bentonite and .5# Phenoseal per sk
	4.0			cement to surface, flushed pump clean
	1.0			pumped 2 7/8" rubber plug to casing TD w/ 3.98 bbls fresh water
				pressured to 800 PSI, well held pressure for 30 min MIT
	4.0			released pressure to set float valve, washed up equipment

	CREW	UNIT
Cementer:	Casey Kennedy	89
Pump Operator:	Harold Bechtle	239
Bulk:	Alan Mader	246
H2O:	Keith Detwiler	124

SUMMARY		
Average Rate	Average Pressure	Total Fluid
3.5 bpm	#DIV/0! psi	- bbls

Hurricane Services, Inc.
250 N. Water
Wichita, KS 67202