KOLAR Document ID: 1477245

Confiden	tiality Re	quested:
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

		DECODIDEIO		
WELL	HISTORY	- DESCRIPTIO	N OF WELL	& LEASE

OPERATOR: License #	API No.:		
Name:	Spot Description:		
Address 1:			
Address 2:	Feet from Dorth / South Line of Section		
City: State: Zip:+	Feet from East / West Line of Section		
Contact Person:	Footages Calculated from Nearest Outside Section Corner:		
Phone: ()			
CONTRACTOR: License #	GPS Location: Lat:, Long:		
Name:	(e.g. xx.xxxx) (e.gxxx.xxxx)		
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84		
Purchaser:	County:		
Designate Type of Completion:	Lease Name: Well #:		
New Well Re-Entry Workover	Field Name:		
	Producing Formation:		
☐ Oil ☐ WSW ☐ SWD □ Gas □ DH □ EOR	Elevation: Ground: Kelly Bushing:		
	Total Vertical Depth: Plug Back Total Depth:		
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet		
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?		
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet		
Operator:	If Alternate II completion, cement circulated from:		
Well Name:	feet depth to:w/sx cmt.		
Original Comp. Date: Original Total Depth:			
Deepening Re-perf. Conv. to EOR Conv. to SWD	Drilling Fluid Management Plan		
Plug Back Liner Conv. to GSW Conv. to Producer	(Data must be collected from the Reserve Pit)		
	Chloride content: ppm Fluid volume: bbls		
Commingled Permit #:	Dewatering method used:		
Dual Completion Permit #: SWD Permit #:			
SWD Permit #: EOR Permit #:	Location of fluid disposal if hauled offsite:		
GSW Permit #:	Operator Name:		
	Lease Name: License #:		
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R East West		
Recompletion Date Recompletion Date Recompletion Date	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:				

KOLAR Document ID: 1477245

Operator Name:	Lease Name: Well #:
Sec TwpS. R East 🗌 West	County:

Page Two

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)				og Formatio	n (Top), Depth a	and Datum	Sample		
Samples Sent to Geolo			⁄es 🗌 No	1	Name	Э		Тор	Datum
Cores Taken Electric Log Run Geologist Report / Mud List All E. Logs Run:		□ Y □ Y	Yes ☐ No Yes ☐ No Yes ☐ No						
		Rep	CASING ort all strings set-c] Ne	w Used rmediate, productio	on. etc.		
Purpose of String	Size Hole Drilled	Siz	ze Casing et (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
[ADDITIONAL	CEMENTING /	SQU	EEZE RECORD			
Purpose:	Depth Top Bottom	Туре	e of Cement	# Sacks Used		Type and Percent Additives			
Protect Casing Plug Back TD Plug Off Zone									
 Did you perform a hydra Does the volume of the Was the hydraulic fracture 	total base fluid of the	hydraulic fr	acturing treatment		-	☐ Yes ns? ☐ Yes ☐ Yes	No (If No, s	kip questions 2 ar kip question 3) ill out Page Three	
Date of first Production/Inj Injection:	jection or Resumed Pr	oduction/	Producing Meth	iod:		Gas Lift 🗌 O	ther <i>(Explain)</i>		
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water Bbls. Gas-Oil Ratio Gravity				
DISPOSITIO	N OF GAS:		Ν	IETHOD OF COM	MPLE	TION:		PRODUCTIC Top	DN INTERVAL: Bottom
Vented Sold Used on Lease Open Hole Perf. (If vented, Submit ACO-18.)			-	·	nit ACO-4)	юр	Bollom		
Shots Per Perforation Perforation Bridge Plug Bridge Plu Foot Top Bottom Type Set At		Bridge Plug Set At		Acid,		ementing Squeezend of Material Used)			
TUBING RECORD:	Size:	Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	Eternity Exploration, LLC
Well Name	YOUNKIN 1-77
Doc ID	1477245

All Electric Logs Run

Micro Log
Sonic
Compensated Density/Neutron
Dual Induction

Form	ACO1 - Well Completion
Operator	Eternity Exploration, LLC
Well Name	YOUNKIN 1-77
Doc ID	1477245

Tops

Name	Тор	Datum	
Top Anhydrite	2295	+595	
Base Anhydrite	2315	+575	
Heebner	3759	-869	
Toronto	3774	-884	
LKC	3808	-918	
Stark	4070	-1180	
ВКС	4146	-1256	
Marmaton	4193	-1303	
Fort Scott	4351	-1461	
Cherokee Shale	4379	-1489	
Johnson	4422	-1532	
Morrow Shale	4482	-1592	
Mississippi	4571	-1681	
Total Depth	4635	-1745	

Form	ACO1 - Well Completion
Operator	Eternity Exploration, LLC
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Doc ID	1477245

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
Surface	12.5	8.625	20	230	Common	3%cc, 2%gel

and a sitting all and a set

REMIT TO

CLADERAL TERMENTON CONDITIONS

RR 1 BOX 90 D HOXIE, KS 67740 SCHIPPERS OIL FIELD SERVICE L.L.C. NO 000663

DATE 8 5 19 SEC. // RANGE/TWP. 14-34	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE MONTAN LANGE CONTRACTOR AND	WELL# 1-77	the second se	COUNTY	STATE
wook per anners und goud. Notwirketanding no foregoing, in rue or adorest that CUSTCMER may noted to pay funder ap-	an ful to other to the coordinate	the partition of the state the	ALCORD REF 1940. AND AD ADESSED. 2	The structure of the
CONTRACTOR	OWNER	Hand Martin		

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	face	and the second second second second									
HOLE SIZE	T.D. 230	CEMENT	175	1. Lan 202 mg							
CASING SIZE 858	DEPTH Z29.35	AMONT ORDERED			A Land All Street						
TUBING SIZE	DEPTH	the section of the section of the section of the			a general and						
DRILL PIPE	DEPTH	Tenta grana antilaterana anti-a-	Hand States								
TOOL	DEPTH		Part of good and	and the second these	1 Station Participa						
PRES. MAX	MINIMUM	COMMON	175	@ 18 -							
DISPLACEMENT	SHOE JOINT	POZMIX		@							
CEMENT LEFT IN CSG.		GEL	3	@ 22	* Transferration						
PERFS		CHLORIDE	6	@ 52							
a source in the product of the second		ASC		@							
EQUIPMENT				@							
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		PLUG & FLOAT EQUIPME	@								
o: Schippers Oil Field Services L.L.											
ou are hereby requested to rent cemer			and the contract	@							
nd furnish staff to assit owner or cont	ractor to do work	The second s									
s is listed. The above work was done	to option for the state of the	the second second second second		@							

			0		Drilling Contractor	STI	P Drilling, R	ig #1				i.ca)		
Marc A. Dow	vning	Geologic I	Report		Commenced 8-5-19				/.grs					
					Samples Saved From	3700	То	RTD				M	t	
Consulting Petr	Trans-Pacific Of LogDrilling Time and Sample LogDrilling Time and Sample LogEternity $Exploration, LLCElevatioKB 2890OunkinNo. 1-17DF 2888GL 2883OunkinNo. 1-17Casing RecSurfaceS 109-21571-0000Casing RecSurfaceTildcatNo. 1-17Casing RecSurface1103' FNL & 1631' FELNoneTwp. 14sRge. 34wCNDL, DMEL, SoIonStateKansasionSateKansasInte202+595Inte23022295+595Inte23022295+595Inte23022295+595Inte23022295+595Inte23022295+595Inte23022295+595Inte23022295+595Inte23022295+595Inte$		og	Drilling Time Kept From	3600	То	RTD				.15 (шше		
Geologist	t l				Samples Examined From	3700	То	RTD				1.0.8	õ	
					Geological Supervision From	3700	То	RTD				ion 4		
Operator Etern	nity Exploration	on, LLC		evation 2890								g vers		
Lease Younki	n	No. 1-17		2888 2883								Striplo		
API # 15-109-	21571-0000			1g Record						trip VC				
Field Wildcat	t		Production	n	Summary	and Recor	nmendatio	ons				y GEOs		
Location 1103	' FNL & 1631'	FEL			The Younkin #1-77 ran slight the upper LKC, but significa	-						inted b	riptions	
Sec. 11	Twp. 14s	Rge. 34w		Constant (Second) is in Constant	the BKC. No significant show	17 	-			1000	Ń	L L	al Desc	
County Log	gan State	Kansas	ME	L, Sonic	Morrow sand was present.				ROCK TYPES Carbon Sh shale, red	ESSORIES	SYMBOL		Geologi	
Formation	Sample tops	Log Tops	Datum	Struct Comp	Due to structural position, la			201 IT 21 10 107	Carbo	SSS	SY			
Top Anhydrite	2302	2295	+595	-5	decided by all concerned par	ties to plug a	nd abandon	the test hole.	8	BO	ОТНЕК			
Base Anhydrite	2317	2315	+575	-6						A	Ē			
Heebner	3760	3759	-869	-4										
Toronto	3773	3774	-884	+2					n gu				sworts lio	
LKC	3808	3808	-918	-4										
Stark	4069	4070	1180	-22					shale, shale,	u u u			Γιτροιοάλ	
BKC	4148	4146	-1256	-30						stone stane				
Marmaton	4194	419.3	-1303	-30						NGF imes ands reen	DST DST Int DST Int Core II tail pipe		DST	
Pawnee			-1402	-40						STRIN Same	ail DS DS		DST Interval Depth Intervals	
Fort Scott			-1461	-42						S I			Cored Interval	
Cherokee Shale				-42					÷ 4		<u>\0</u> \0			
Johnson Zone	- 100 (Period) (A	16-38WL	Collins and a lower	-40			Respe	ctfully Submitted,	sdy Imst Lmst fw7:		75 % 50 %	Ť		
MorrowSh	La companya da com		-	-47							550 - 255 -	rack	nperi	a la
Mississippi				-99			100			L tark Chite	Stn Stn Stn Stn Stn Stn Stn Stn Str	Tay))))))))))))))))))))))))))))))))))))))	
Total Depth		113 3564					Marc .	A. Downing		ERA ert, d aucor	SHO otted otted otted otted otted otted otted		DP (min/ft) DP (min/ft) amma (API) 1:240 Imperial 1:240 Imperial AGamma (API)	
		n Trans-Pacific Oil - `	Younkin ''D'	' #1-1						S S P MIN			ROP (min/ft) Gamma (API 1:22	Ø
1074' FSL & 842' FEL,	, Sec. 1-14s-34w											JL	τ̃ 0 ο ο	2

Version 4.0.8.15 (www.grsi.ca) Comment		NOTE: Gamma Ray has NOT been shifted			Vis: 56 Wt: 8.8														Vis: 51 Wt: 9.0									Vis: 55 Wt: 9.0							
Geological Descriptions		Heebner 3760 (-870) Sh: Black Carb Sh: It gry Toronto 3773 (-883) LS: wht, fn-vfn xln, chlky w/ NS, no od. Trng pr por and dns. vfn xln, suc in prt. Few scat frag foss. totally	barren. Sh: gry w/ brn <u>LKC 3808 (-918)</u> LS: wht, fn-vfn xln, v chlky w/ few subxln rx. Totally barren w/ no od.	LS: wht, fn xln, trng v dns w/ no vis por. All NS, no od. Sh: drk gry Sh: gry w/ brn Sh: gry w/ brn ugs, totally barren, no od. 1-2 rx w/ poor dead edge	stn, NSFO. LS: wht, fn-md xln, foss in prt. Mostly pr por and dns, scat shp wht foss cht. All NS. LS: wht, md xln, foss in prt. Scat intxln and int foss por, fr amt subxln-chlky. Totally barren, no od.	 Sh: Black Carb Sh: gry LS: wht, md xln, sml-md frag foss. Mostly pr por and dns, few subxln rx. Totally barren, no od. LS: wht, md xln, ool w/ scat sml frag foss. Fr intxln por, subxln-chlkv in prt. Totally barren, no od. Few 	pcs It tan-wht cht. LS: wht, md xln. Few ool rx, trng mostly dolomitic in prt. Scat fr-gd intxln por, many subxln-chlky rx. All totally barren, no od. LS: wht, fn-md xln, dolomitic in prt, scat foss and ool. Mostly pr por and dns, few subxln rx. NS.	LS: much ala, inc amt subxln-chlky rx. LS: wht, md xln, suc/dolomitic. Mostly pr por and dns, few subxln rx ala. 1-2 pcs blk cht, all NS. Sh: Black Carb	Sh: It gry LS: wht, fn-md xln, suc/dolomitic in prt w/ scat foss. Some fr intxln and pp por, mostly subxln-chlky. Totally barren, no od. Few pcs shp wht cht. LS: wht, trng v dns w/ no vis por.	Sh: drk gry Sh: gry w/ brn LS: wht, fn xln, some md xln. Few foss, mostly dns w/ pr por. Scat chlky rx, all NS, no od.	Sh: It gry LS: wht, ool. Fr ooc por, totally barren, no od. Trng v pr por and dns.	Sh: Black Carb Sh: It gry w/ brn LS: wht, fn-md xln, foss in prt. Scat int foss and vug por, many subxln-chlky rx. Totally barren, no od.	LS: Writ, III-Trid Xin, no vis por and dris. Tew scat loss, totally barren. LS: mostly ala, few suc rx. Some trng subxln w/ depth, all NS, no od. Sh: Black Carb	Sh: It gry LS: wht, fn-vfn xln, dns. Few subxln rx, all NS. LS: mostly ala	Sh: gry LS: tan-brn, fn xln, v dns. NS. LS: some ala w/ fr amt subxln rx. NS, no od.	Sh: brn-red, silty, some gry Marmaton 4194 (-1304) LS: wht, fn-md xln, pr por and dns, NS.	Sh: gry w/ scat brn	LS: wht, fn-md xln. Many chlky and subxln rx w/ scat dns rx. Totally barren, no od. Sh: gry w/ lt grn I S: wht-tan_some hrn_fn-vfn xln_and dns_Trnd	LS: wnt-tan, some prn. m-vm xin, and ans. Trng subxln-chlky w/ depth. All totally barren, no od. Sh: gry LS: wht, fn-md xln, few sml foss, subxln in prt. Mostly	pr por and dns, all NS, no od. LS: wht-It tan, some ala. Mostly dns w/ pr por, all totally barren, no od. Sh: drk gry w/ some black	LS: wht-It tan, fn-md xln, few subxln rx, mostly dns. Totally barren, no od. LS: trng gry-tan, fn xln, v dns w/ no vis por. Totally barren, no od. Few pcs It gry shp cht. Few subxln rx. LS: much ala w/ inc amt wht subxln rx. Fr-much gry	shp cht, some trng blk, foss in prt. Sh: Black Carb Sh: Black Carb <i>Myrick Station 4336 (-1446)</i>	LS: wht, fn-md xln, foss in prt. Scat subxln-chlky rx, few w/ pr-fr intxln por. All NS, no od. <i>Fort Scott 4354 (-1464)</i> LS: wht, fn xln, dns. Trng brn, totally ool, no vis por	and v dns. Totally barren, no od. LS: wht w/ tan-brn, less ool than above, few sml-md foss. Few rx w/ intxln por, mostly subxln-chlky. Totally barren, no od. <i>Cherokee Sh 4380 (-1490)</i>	sn: black carp LS: wht, fn-vfn xIn, v chiky, totally barren, no od. Trng dns w/ pr por. Sh: Black Carb LS: tan-wht. fn-md xIn. few sml foss. Mostlv dns.	Sh: gry LS: mostly ala <u>Johnson Zone 4423 (-1533)</u> LS: wht-tan. fn-md xin. Mostly dns w/ no vis nor. scat	shp tan foss cht. LS: wht-tan, fn xln. Many dns rx ala, fr amt subxln- chlky. Cht trng wht w/ foss, all NS, no od. LS: trng tan-brn, fn xln, mostly v dns w/ no vis por. Scat subxln rx, tan and wht foss cht. NS, no od.	LS: tan, fn-md xln, few sml foss. V dns w/ no vis por, few subxln rx. NS. LS: mostly ala, few more subxln rx.	spttd FO when broken, vint-no od. <i>Morrow Sh 4483 (-1593)</i> Sh: It grn, soft	Sh: grn-lt grn, some tourq. Some sndy, v dirty, w/ few pcs glauc, all NS, no od.	Much sh, It grn-tourq, some gry. Less sandy than above, fr amt dns LS stringers. Mostly sh, grn-tourq, some glauc, scat brn and gry. 1- 2 pcs sndv and dirty, all NS.	Mostly sh ala, It grn w/ some tourg, glauc in prt. Rare sandy sh.	Mississippi 4572 (-1682) LS: wht, vfn-mic xln, v chlky. 1-2 ss clust, v fn grain, sub-ang, well sort. Fr IG por and friable, totally barren, no od. LS: wht, mostly fn xln, scat sml ool, some lt gry. Scat	subxln rx, mostly pr por and dns. Totally barren, no od. Scat tan and wht cht. LS: wht, md xln, ool in prt, some sltly sndy. Scat subxln rx, mostly v pr por and dns. Totally barren, no od.	LS: mostly ala, increasing amt sndy ls, scat sml ool. All dns w/ pr por, NS, no od. <u>RTD: 4635 (-1745)</u>
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