KOLAR Document ID: 1486426

Confiden	tiality Requ	ested:
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 #	API No.:
Name:	Spot Description:
Address 1:	
Address 2:	Feet from North / 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.xxxxx) (e.gxxx.xxxxx) Datum: NAD27 NAD83 WGS84
Wellsite Geologist:	
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
	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 #: Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR Permit #:	
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	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: 1486426

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	Stem Tests Taken Yes (Attach Additional Sheets)					og Formatio	and Datum	Datum Sample			
(Attach Additional Sneets) Samples Sent to Geological Survey			⁄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	Wate	er Bb	ls.	Gas-Oil Ratio	Gravity		
DISPOSITIO	N OF GAS:		Ν	IETHOD OF COM	MPLE	TION:		PRODUCTIC Top	DN INTERVAL: Bottom		
Vented Sold (If vented, Subn	Used on Lease		Open Hole		-	·	nit ACO-4)	юр	Bollom		
	foration Perform Top Botto		Bridge Plug Type	Bridge Plug Set At		Acid,		ementing Squeezend of Material Used)			
TUBING RECORD:	Size:	Set At:		Packer At:							

Form	ACO1 - Well Completion			
Operator FourWinds Oil Corporation				
Well Name KS BRAND 5				
Doc ID	1486426			

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	15.5	221	comm	150	5% Gil
Production	8.75	5.5	15.5	3603	comm	600	5% Gil

Phone 785-483-107 Cell 785-324-1041	1	nan nag H	lome Office	P.O. Box 32 Ru	issell, KS 67665	No.	1827						
no ior the jab end/or mor	Sec.	Twp.	Range	County	State	On Location	Finish						
Date //.12./9	22	5	Range County State On Location 97 21 Uarten K5 97 Location Location K5 97 Well No. Owner To Quality Olivell Cementing, Inc. You are hereby requested to rent cementing equipment and cementer and helper to assist owner or contractor to do word cementer and helper to assist action and under the assist common (200 Joint Cemmon (200 Poz. Mix 30 Gel. 3 Gel ast and cementer assist acting and cementer assist action and cementer and helper to assist a	9:300-									
em maleigitation mere	584000 ba	oles m	internett pri	Location Logan	1.1 E-1200	15 / W ENR2	2. Fint						
Lease K3 Brand	2	ये भुष्क्षध	Well No. 5	Owner	or a lasselini dorra vra	i vest eldacitació veta	NO YES SER						
Contractor Discover	1#2	nonos	and any any and the source of	To Quality (Dilwell Cementing, Inc	enter places de la companya de Na companya de la comp	the second s						
Type Job Surface	iqs tiene	wsi 3A	副学习 指用 eer	cementer a	nd helper to assist ow	cementing equipment	and furnish work as listed						
Hole Size 121/4		T.D.	221	Charge		All Ca							
Csg. 8 5/8	6.,e980 6	0	and the second se	max port its site printing and	arwings	011 00	unita da como de la como Como de la como de la co						
Гbg. Size	0.00	Depth	the days it is a			Not a Cartonia in a con	nite eleternos						
Tool and to easy to observe a	11 10 ¹ 2.00	Depth	in sinan soare n Ne Tocal, or Ec		an dana ta astisfastis		and the state of t						
Cement Left in Csg. 16	2	Shoe J	oint			supervision of owner a							
Meas Line	i rener s	Displac		Coment All		om 37.15 2%	451						
sho to table a volume o	EQUIPN		e I DIC	TR Jeno bang total	10		HARRED - READ Y TELEVIT						
Pumptrk 5 No. Ceme	enter	aig	ningua ari Bu		10	all that to of leg at the	<u>्राज्य कुलांग</u>						
No. Driver	Ten	12.	LA PERMANANTO ET	O have increasing a con		AU VO DECENTIA OF DELO	arto ad Illiw (Y Licensia						
No. Driver		WTL14L	O ye borniad		This of the Police	dinas matorici (cultoric	na nationa le						
	RVICES	8. DEMA	DKC	salves as printing from the	and provide the second se								
Remarks:	TVICES		nko	and the second second second second									
Rat Hole	nen 1871 AG 1 verd Baselo	R-SK242	Y shail de Yi	and shall be an another and									
THE REAL BURKER HER STIT	nto line to	10 10 10 10 10 10 10 10 10 10 10 10 10 1	्यात्र व्याव व्याव	the carries (constraints constants)	Flowseal								
Aouse Hole	C) mining th	nd and	nextma and users	and the second second second									
Centralizers	o Buon	active generations of	कल बेरांग देख समीत	Mud CLR 48	Stranger Arten Alo	ad to properly an up	(A) Daina						
askets	iaieite ag	<u>ir derea</u>	<u>estoi tiovates</u>	CFL-117 or	CD110 CAF 38	a agahus notaliog all	(18) (10) (18)						
D/V or Port Collar	DENSAMINA Mades	1		Sand	H / patomono /	MUC THE HOLDSHIP	तों गये कि स्टिक हुन						
878 on botto	m. Es	Part Part Part Part	culation.	Handling /	Handling 159								
Mix POSK 4 D.	Splac	e.		Mileage	Mileage								
1505K					FLOAT EQUIPMENT								
1	1			Guide Shoe	and the second								
Cement (ww.I	atec	Souther in	Centralizer	are cashiy ar rasion Marin	1/ (10.986 101 2650.010	TRALED IS. Management in a serie						
in a subtraction of	eloaiab r	non sati	od or il yo bs	Baskets	ser in statistica da s	Sources VTLIAUC	S STRATERY						
CONSIGNATION DAMA	nd interact	1	(shalled	AFU Inserts	era bitto particizaria ner		non voora de						
THOMAS AND	t	AWF	I OKA BUA	And the second second second second									
O VILIBATERIA	111	N	WV WAA EMIC	PROPERTY OF ANY A COMPANY									
unouper consequence	1/	And Y	TLIAUG bris	o une par e seguire	entra sidica di parte pilo Pilo di sonicante an	Contract in the second second	nigo a <u>special o</u> National anti-o						
	1	N. Con	Lor bally	· And · Constant	Participation and a sub-	anti o primi o la	e ing galler geball, incode						
X	and a	San dit		Pumptrk Cha	arge 1' Surfa	(P	a tanàn 3 tanàn 10 mila						
				1	~ Ju] 1 a	hard fit ou calls and a	अविद्याल्य (म) तः गणः असर्वतः मृत्युक						
and (Beil (1997) 1) The Barriero (All of 1987) of the second states of	ini stori Marine	VIII TO A	and a second s	501		Tax							
to in advalging ell to T	1,0490,1	openal		ha walka ny soortan	yang magasi nambi ng kasing. Pang labat sa sa sa sasing	on universities (sexual Auril 3	ent aleren V						
lignature	101	il	HIS Y HIJALID	VI BOOL HOME (C)		And in the low provider the	10 000000000000000000000000000000000000						
		and the second second	THE REPORT OF THE REPORT OF	田、島原之時 医胃 网络眼白红白	NUL HALY LIALLO MA	.orar onarge							

QUALI	IY OILW	ELL CEMENTING, INC.								
Phone 785-483-1071 Cell 785-324-1041		ral Tax I.D.# 20-2886107 P.O. Box 32 Russell, KS 67665 No. 1832								
Sec.	Twp. Range	County State								
Date 11.17.19 22	521	Nancon KS								
11 2 2		Location and Line 15 Han								
Lease KS Brand	Well No.	Star BJUP ARE SERITO								
Contractor A Senial #2	2	To Quality Oilwell Cementing Inc.								
Type Job Hadad Shing		You are hereby requested to root comparties								
Hole Size 778	T.D. 3695	Undige								
Csg. 5/2 15,50#	Depth 3603									
Tbg. Size	Depth	City								
Tool	Depth	Blate								
Cement Left in Csg. 42.06	Shoe Joint 42.06	Cement Amount Ordanal Alt								
Meas Line	Displace 84 3/41	BE ISBUR 10/51 CHARTER								
No Cementer	MENT	Common								
Pumptrk Helper	4	Poz. Mix								
Bulktrk Driver	4	Gel.								
Bulktrk Driver	7	Calcium								
	& REMARKS	Hulls								
		Salt								
white the		Flowseal								
12 12		Kol-Seal								
		Mud CLR 48								
		CFL-117 or CD110 CAF 38								
Drv of Port Collar		Sand								
SR SETC 3403 K	AC 35/00.9	94 Handling								
Di D	W Storgal Muid (Mileage								
Priz Korheles Micsel	ic/r.	FLOAT EQUIPMENT								
Alurin 5/2 wit	15555K.	Guide Shoe								
Citag line S D gp low	Pla	Centralizer 7								
Comput Ciccilite	1. The second se	Baskets 3								
Profam to la	5007	AFU Inserts								
Date // 12/17 23 5 1 Name State On Location Finish Lease K.S. Bulk Location KS Bulk State State Contractor Many KS Bulk Down State State Contractor Many Mony State State State Contractor Many Mony State State Contractor Many Mony State State Contractor Many State State State Contractor State Dopt The Job State Top Job State State State Top State Dopt The above was done to satisfaction and supervision of owner agent or contract Cement Left in Cag State State State Pumptrk No State State State Bulkerk No State State State Pumptrk No State State State Bulkerk No State State State Pumptrk No State State State Bulkerk No										
		Latch Down								
	and the state									
		Pumptrk Charge								
	/	Mileage								
	~ /	Tax								
X Signature	11/	Discount								
	1	Total Charge								



Scale 1:240 Imperial

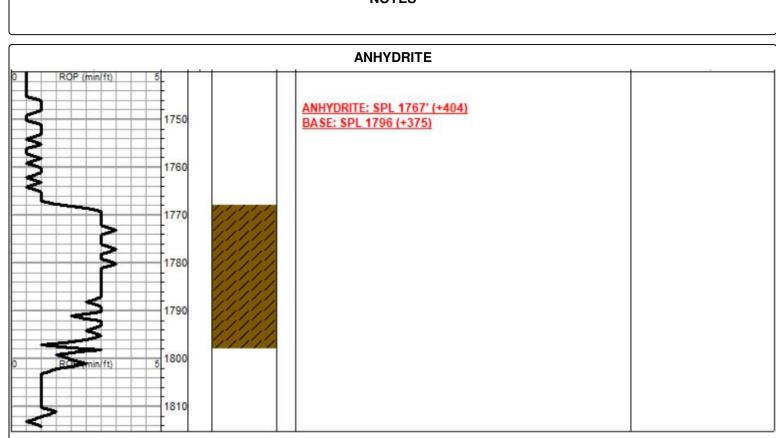
	Scale 1:240 Imperial		
Well Name: Surface Location: Bottom Location: API: License Number:	KS BRAND #5 NW NW NE SE Sec. 22, T5S, R21V 15-137-20752 34916 11/12/2010		0.00 AM
Spud Date: Region: Drilling Completed: Surface Coordinates: Bottom Hole Coordinates:	11/12/2019 NORTON COUNTY 2550' FSL & 1515' FWL	Time: Time:	9:00 AM
Ground Elevation: K.B. Elevation: Logged Interval: Total Depth: Formation: Drilling Fluid Type:	2163.00ft 2171.00ft 0.00ft 0.00ft REAGAN SAND CHEMICAL	To:	0.00ft
Company: Address:	OPERATOR FOURWINDS OIL CORPORTATION 1414 W 45TH	N	
Contact Geologist: Contact Phone Nbr: Well Name: Location: API: Pool: State:	DAN WINDHOLZ (785) 259-8403 KS BRAND #5 NW NW NE SE Sec. 22, T5S, R21V 15-137-20752 KS	V Field: Country:	RAY WEST
		,	
Well Type: Longitude: Latitude: N/S Co-ord: E/W Co-ord:	SURFACE CO-ORDINATES Vertical -99.67881 39.60323 2550' FSL 1515' FWL		
	LOGGED BY		
Company: Address:	2717 HICKORY HAYS, KS 67601		
Phone Nbr: Logged By:	(785) 639-0721 Geologist	Name:	CAMERON BRIN
Contractor: Rig #: Rig Type: Spud Date:	CONTRACTOR DISCOVERY DRILLING INC. 2 MUD ROTARY 11/12/2019	Time: Time:	9:00 AM
TD Date: Rig Release:	ELEVATIONS	Time:	

ELEVATIONS

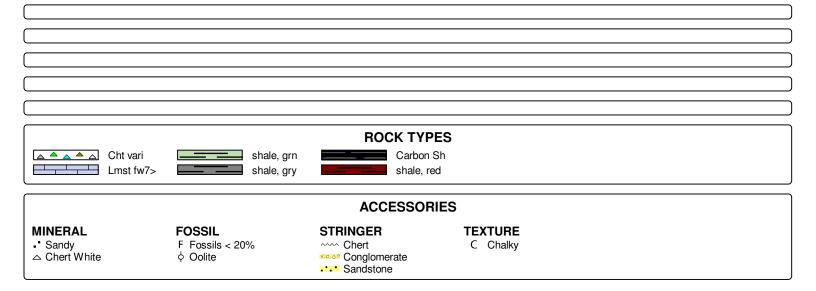
K.B. Elevation:	21/1.00ft
K.B. to Ground:	8.00ft

Ground Elevation: 2163.00ft

NOTES



								тс	PS C	COM	PARIS	ON										
					1	•		_				•		-		P&A 1/4	/1985			5	SWD	1
						BLACK DIAMO	ND OI	L INC	:	1	BLACK DIAN	IOND OIL	INC	-		A. SCOTT	RITCHIE		BLACK DIAMOND OIL INC			
						KS BRAND #1				KEME	PER A #1				KEMPER	A #1			KS BE	RAND #2		
		KS BR/	AND #5		SWI	SW NW SE NW, Sec. 22, T5S, R21W			NE S	W SW NE, S	ec. 22, T5	S, R21	W	SW	NE SW, Sec. 2	22, T5S, R	21W	SE N	W NE NW,	Sec. 22, T5	S, R21W	
	KB	2171	GL	2163	KB		2149	9	10	KB		2134			KB		2207	hga	KB		2154	
		TOPS		E TOPS		.OG	LO	G	SMPL.		OG	LOG	SIV	1PL.		OGS	LOG	SMPL.		OG	LOG	SMPL.
FORMATION	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	COR	RR.	CORR.	DEPTH	DATUM	CORR.	CO	RR.	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.
ANHYDRITE TOP			1767	404	1753	396			+ 8	1731	403		+	1	1802	405		- 1	1751	403		+ 1
BASE			1796	375	1780	369			+ 6	1755	379		-	4	1831	376		- 1	1780	374		+ 1
ТОРЕКА			3182	-1011	3161	-1012			+ 1	3145	-1011		+	0	3210	-1003		- 8	3172	-1018		+ 7
HEEBNER SHALE			3323	-1152	3305	-1156			+ 4	3288	-1154		+	2	3357	-1150		- 2	3307	-1153		+ 1
TORONTO			3350	-1179	3333	-1184			+ 5	3314	-1180		+	1	3386	-1179		+ 0	3334	-1180		+ 1
LKC					3350	-1201				3330	-1196				3402	-1195			3349	-1195		
ВКС					3535	-1386				3518	-1384				3587	-1380			3536	-1382		
										1												
REAGAN SAND					3585	-1436				3568	-1434				3538	-1331			3594	-1440		
GRANITE																			3648	-1494		
TOTAL DEPTH					3583	-1434				3568	-1434				3636	-1429			3720	-1566		



Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsi.ca)

	Curve Track #1					Printed by GEOstrip VC Striplog V	Curve Track #3
ROP (m							
но <i>Р</i> (m		Cored Interval	DST Interval Deptn Intervals	Lithology	Oil Show	Geological Descriptions	
	1:240 Imperial	Ŭ 5	ö.				1:240 Imperial
			110			START DRILL TIME FOR ANHYDRITE FROM 1740'-1820' START 1' DRILL TIME FROM 3100'-RTD START 1' WET/DRY SAMPLES FROM 3150'-RTD	GEO ON LOCATION @ 9:30 11/15/2019
	>	3.	120			Sh- gray	SURFACE CASING SET @ 220' w/ 150 SKS COMMON 2% GEL & 3% CC (DID CIR)
			130			Lm- gray- fnxln, sltly foss, few scat pcs well consolidated SS	DISPLACED MUD @2981'
			140		•	Sh- gray	
		3	160			Lm- crm, v. fnxln, scat foss	
		3	170		•	Lm- crm, fnxln, scat foss, sandy throughout	
Ę			180		•	TOPEKA: SPL 3182' (-1011) Lm- crm- fnxln, chalky, scat wt. chert	
	ROP (min/ft)		190 200		•	Lm- crm- v. fn-fnxln, chalky, soft, scat chert, sandy in prt Sh- gray-blk	
			210			Lm- crm, fnxln- few scat granular, sltly oolitic, scat chert, chalky in prt	
		3:	220			Sh- blk	
			230 240			Sh- red-green, waxy, muddy red wash	
		32	250			Lm- off wt brn, fn-mdxln, scat chert	
			260			Sh- red-gray	
			270 280		0	Lm- crm- fnxln, foss, mostly dense	

