KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1242571

Form ACO-1 August 2013 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. 15
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.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
	Elevation: Ground: Kelly Bushing:
Gas D&A ENHR SIGW	Total Vertical Depth: Plug Back Total Depth:
OG GSW Temp. Abd.	Amount of Surface Pipe Set and Cemented at: Feet
CM (Coal Bed Methane) 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 ENHR Conv. to SWD	
Plug Back Conv. to GSW Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls
Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	Operator Name:
GSW Permit #:	Lease Name:License #:
	Quarter Sec TwpS. R [East] West
Spud Date or Date Reached TD Completion Date or Reached TD Reached TD Reached TD Reached TD	
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
Geologist Report Received
UIC Distribution
ALT I II III Approved by: Date:

	Page Iwo	1242571
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East West	County:	
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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 She	ets)	Yes No		Ū	on (Top), Depth ai		Sample
Samples Sent to Geologi	cal Survey	Yes No	Nar	ne		Тор	Datum
Cores Taken Electric Log Run List All E. Logs Run:		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
		CASING Report all strings set-		Iew Used termediate, product	tion, 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
		ADDITIONAL	CEMENTING / SC	UEEZE RECORD)		

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

Did you perform a hydraulic fracturing treatment on this well?	Yes
Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?	Yes
Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?	Yes

(If No, skip questions 2 and 3) (If No, skip question 3)

No

🗌 No

No

(If No, fill out Page Three of the ACO-1)

Shots Per Foot		PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated							ement Squeeze Record d of Material Used)	Depth
TUBING RECORD:	Siz	ze:	Set At:		Packe	r At:	Liner F	Run:	No	
Date of First, Resumed	I Product	ion, SWD or ENHI	٦.	Producing M	ethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wat	er	Bbls.	Gas-Oil Ratio	Gravity
DIODOOITI				-	METHOD		TION			
DISPOSITI	d 🗌 l	Jsed on Lease		Open Hole Other <i>(Specify)</i>	Perf.	OF COMPLE	Comp.	Commingled (Submit ACO-4)	PRODUCTION INT	ERVAL:

Form	ACO1 - Well Completion
Operator	JTC Oil, Inc.
Well Name	Terbrock W-1
Doc ID	1242571

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	9	7	10	20	PORTLAN D	5	50/50 POZ
Production	5.625	2.875	8	378	PORTLAN D	80	50/50 POZ

	Operator License #	32834		API #	15-121-309	00_00_0	0
	Operator	JTC Oil, Inc.		Lease Name	Terbrock	00-00-0	0
	Address	35790 Plum Cre	ek Road	Well #	W-1		
	City	Osawatomie, KS		WCII #	VV-1		
	Contractor	JTC Oil, Inc.	00004	Spud Date	1/20/2015		
	Contractor License #	32834		Cement Date			
	T.D.	378'		Location	Sec 27	T 17	0.22
	T.D. of pipe	400'			10 feet from	S	R 22
	Surface pipe size	7"			50 feet from	E	line line
	Surface pipe depth	20'		County	Miami	L	inte
	Well Type	Injection		county	Wildilli		
	Driller's						
Thickness	Strata	From	То				
2	soil	0	2				
12	clay	2	14				
21	shale	14	35				
4	lime	35	39				
27	shale	39	66				
19	lime	66	85				
10	shale	85	95				
27	lime	95	122				
6	coal	122	128				
22	lime	128	150				
4	coal	150	154				
13	lime	154	167				
138	shale	167	305				
3	red bed	305	308				
2	oil sand	308	310	v-good			
3	oil sand	310	313	v-good			
3	lime oil	313	316	good			
2	oil sand	316	318	v-good			
3	oil sand	318	321	good			
3	oil sand	321	324	v-good			
3	oil sand	324	327	v-good			
3	oil sand	327	330	v-good			
3	oil sand	330	333	v-good			
1	oil sand	333	334	v-good			
2	lime oil	334	336	v-good			
4	shale	336	340				
7	lime	340	347				
53	shale	347	400				



250 N. Water, Ste 200 - Wichita, Ks 67202

104 Prairie Plaza Parkway - Garnett, Ks 66032

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Customer	JTC				stomer Name			Ticket No.		5050	01
Address:					AFE No.			Date	1/22/201	5	
City, State, Zip:	:				Job type	Cement Lon	gstring				
Service District:						2 7/8 @ 378		e @ 400	· · · · · · · · · · · · · · ·		
Well name & No.	Terbrock	W-1			Well Location		1	Miami	State	Kansa	
Equipment #	Driver	Equipment #	Driver	Equipment #			and the second designed to the second designe	Miami		AM	TIME
26	Joe	Equipment #	Diivei	Equipment #	nouis	ARRIVED AT				AM	
231	Tom					START OPE				PM	
240	Troy					FINISH OPE				PM AM PM	
108	Jeff					RELEASED				AM	
111	Tyler					MILES FROM	STATION 1	OWELL		1 'm	
					eatment Su						
Hooked onto 2 7 flo seal Flush p SURFACE	oump and pu	nd achieved cir umped plug to i	culation. Prototion and	umped 12 bbl set float shoe	e @ 1400 ps	ollowed by 12 i MIT @ 140	bbi water spa 0 psi Held 1	acer and 80 sk 400psi MIT (s of 50/50 300D C	poz mix EMENT	(2% gel 1/4 TO
Product/Service Code	Description				Unit of Measure	Quantity	List Price/Unit	Gross Amount	Item Discount		Net Amount
		ip. One Way			mi	15.00	\$3.25	\$48.75	10.00%		\$43.88
	Light Equip				mi	15.00	\$1.50	\$22.50	10.00%	+	\$20.25
		mp (Multiple w	ells)		ea	1.00	\$675.00	\$675.00	10.00%		\$607.50
p01604	50/50 Pozn	nix Cement			sack	80.00	\$11.30	\$904.00	25.00%		\$678.00
p01607	Bentonite G	Bentonite Gel				200.00	\$0.30	\$60.00	25.00%		\$45.00
p01607	Bentonite G	Bel			lb	134.00	\$0.30	\$40.20	25.00%		\$30.15
p01611	FLO-Seal				lb	20.00	\$2.15	\$43.00	25.00%		\$32.25
p01631	Rubber 2 7	/8			ea	1.00	\$25.00	\$25.00	10.00%	29	\$22.50
p02000	H2O				gal	4,000.00	\$0.01	\$52.00	10.00%		\$46.80
c10800	Vacuum Tr	uck 80 bbl			ea	2.00	\$84.00	\$168.00	10.00%		\$151.20
c11000	Vacuum Tru	uck 80 bbl			ea	2.00	\$84.00	\$168.00	10.00%		\$151.20
C-TOT-D	Cement Bu	k Trailer - Mini	mum		ea	1.00	\$300.00	\$300.00	50.00%		\$150.00
	7										
								and the second			
TERMS: Cash in advance	ce unless Humica	ine Services inc has	approved credit	prior to sale.							4.070.72
Credit terms of sale for a	approved account	ts are total invoice du	e on or before t	the 30th day from	Tata	Tavable	Gross:	\$ 2,506.45 Tax Pate:	Net:	\$	1,978.73
Credit terms of sale for a the date of invoice. Past %% per month or the ma	approved account due accounts m aximum allowable	ts are total invoice du ay pay interest on the by applicable state	e on or before t balance past d or federal laws it	the 30th day from lue at the rate of 1 f such laws limit		Taxable	\$ 807.90	Tax Rate:	7.650%	\geq	\times
TERMS: Cash in advanc Credit terms of sale for a the date of invoice. Past ½% per month or the ma nterest to a lesser amou aftect the collection of sa ordicethe incurred for sur-	approved accounts m due accounts m aximum allowable unt. In the event i aid account, Cust	ts are total invoice du ay pay interest on the by applicable state t is necessary to emp tomer hereby agrees	e on or before to balance past d or federal laws it loy an agency a to pay all fees d	the 30th day from Jue at the rate of 1 If such laws limit and/or attorney to directly or	Frac and Acid se to increase pro	Taxable Invice treatments de iduction on newly dr wells are not taxable	\$ 807.90 signed with intent illed or existing	Tax Rate:	7.650% Sale Tax:	\$	61.80
Credit terms of sale for a he date of invoice. Past 4% per month or the ma nterest to a lesser amou affect the collection of sa ndirectly incurred for suc delinquent, HSI has the r	approved accounts m due accounts m aximum allowable unt. In the event i aid account, Cust ch collection. In t right to revoke ar	ts are total invoice du ay pay interest on the by applicable state it is necessary to emp tomer hereby agrees he event that Custon by and all discounts p	e on or before t balance past d or federal laws if loy an agency a to pay all fees d ler's account wit reviously applie	the 30th day from lue at the rate of 1 f such laws limit and/or attorney to directly or th HSI becomes ad in arriving at net	Frac and Acid se to increase pro	ervice treatments de oduction on newly dr wells are not taxable	\$ 807.90 signed with intent illed or existing	Tax Rate:	7.650% Sale Tax: Total:	\geq	\prec
Credit terms of sale for a he date of invoice. Past 4% per month or the ma interest to a lesser amou affect the collection of sa ndirectly incurred for suc delinquent, HSI has the r nvoice price. Upon revor	approved accounts m due accounts m aximum allowable unt. In the event i aid account, Cusi ch collection. In t right to revoke ar cation, the full in	ts are total invoice du ay pay interest on the by applicable state it is necessary to emp tomer hereby agrees he event that Custon by and all discounts p	e on or before t balance past d or federal laws if loy an agency a to pay all fees d ler's account wit reviously applie	the 30th day from lue at the rate of 1 f such laws limit and/or attorney to directly or th HSI becomes ad in arriving at net	Frac and Acid se to increase pro	ervice treatments des aduction on newly dr	\$ 807.90 signed with intent illed or existing	Tax Rate:	7.650% Sale Tax:	\$	61.80
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Credit terms of sale for a the date of invoice. Past X% per month or the ma nterest to a lesser amou affect the collection of sa ndirectly incurred for sud delinquent, HSI has the r nvoice price. Upon revoc fue and owing and subje	approved account due accounts mu init. In the event i aid account, Cus ch collection. In t right to revoke ar cation, the full in act to collection.	ts are total invoice du ay pay interest on the by applicable state it is necessary to emp tomer hereby agrees he event that Custon by and all discounts p	e on or before t balance past d r federal laws il loy an agency a to pay all fees d res's account will beco scount will beco	the 30th day from tue at the rate of 1 f such laws limit and/or attorney to if active to the HSI becomes d in arriving at net me immediately	Frac and Acid se to increase pro	voice treatments de oduction on newly dr wells are not taxable Date of Service: Representative:	\$ 807.90 signed with intent illed or existing	Tax Rate:	7.650% Sale Tax: Total: 1/22/2015 e Blancha	\$	61.80

Hurricane Services appreciates any Comments, Concerns or Criticism's from our valuable customers as Safety and Customer Satisfaction are our Number 1 goal. All Comments are confidential and will be used in a constructive manner to improve our Safety and Job Performance.