

### Kansas Corporation Commission Oil & Gas Conservation Division

1366564

Form ACO-1
November 2016
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: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
☐ Oil ☐ WSW ☐ SWD	Producing Formation:
Gas DH EOR	Elevation: Ground: Kelly Bushing:
☐ OG ☐ GSW	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? Yes No
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)
Down's I	Chloride content: ppm Fluid volume: bbls
☐ Commingled     Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid diagonal if bouled offsite.
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
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 I II Approved by: Date:

Page Two



Operator Name:					Lease Na	ıme: _			Well #:		
SecTwp	oS. F	R	East	West	County: _						
	flowing and sh	ut-in pressure	s, whe	ther shut-in pre	essure reache	ed stati	c level, hydrosta	tic pressures, t		val tested, time tool erature, fluid recovery,	
Final Radioactivit files must be sub							gs must be ema	iled to kcc-wel	l-logs@kcc.ks.gov	v. Digital electronic log	
Drill Stem Tests T			Ye	es No		L		on (Top), Depth		Sample	
Samples Sent to	Geological Sur	vey	Ye	es No		Nam	е		Тор	Datum	
Cores Taken Electric Log Run Geolgist Report / List All E. Logs R	_		<ul><li> Y€</li><li> Y€</li></ul>	es No							
			Repo		RECORD conductor, surfa	Ne	w Used	on, etc.			
Purpose of Str	ring Siz	e Hole		e Casing	Weight		Setting	Type of	# Sacks	Type and Percent	
1 uipose oi oti	"' <sup>9</sup> D	rilled	Set	(In O.D.)	Lbs. / F	t.	Depth	Cement	Used	Additives	
				ADDITIONAL	CEMENTING	a / SQL	JEEZE RECORD				
Purpose:		Depth Bottom	Type	of Cement	# Sacks U	sed		Type an	d Percent Additives		
Perforate Protect Case	sing										
Plug Back T											
1 lug 0 li 20											
1. Did you perform	a hydraulic fractu	ring treatment o	n this w	ell?			Yes	No (If No,	skip questions 2 an	nd 3)	
2. Does the volume	e of the total base	fluid of the hydr	aulic fra	cturing treatmen	t exceed 350,00	00 gallo	ons? Yes	No (If No,	skip question 3)		
3. Was the hydrauli	ic fracturing treatr	nent information	submit	ted to the chemic	cal disclosure re	egistry?	Yes	No (If No,	fill out Page Three	of the ACO-1)	
Date of first Produc	ction/Injection or F	Resumed Produc	ction/	Producing Met	hod:						
Injection:				Flowing	Pumping		Gas Lift C	ther (Explain)			
Estimated Produc Per 24 Hours	tion	Oil Bbls	S.	Gas	Mcf	Wat	er Bl	ols.	Gas-Oil Ratio	Gravity	
DISPO	OSITION OF GAS	:		N	METHOD OF C	OMPLE	TION:			N INTERVAL:	
Vented	Sold Use	d on Lease		Open Hole	Perf.			nmingled	Тор	Bottom	
(If vente	d, Submit ACO-18.	)				(Submit	ACO-5) (Subi	mit ACO-4)			
Shots Per	Perforation	Perforation	1	Bridge Plug	Bridge Plug		Acid,	Fracture, Shot, (	Cementing Squeeze	Record	
Foot	Тор	Bottom		Туре	Set At			(Amount and k	Kind of Material Used)		
TUBING RECORE	): Size:		Set At:	<u> </u>	Packer At:						

Form	ACO1 - Well Completion
Operator	Hughes Drilling Co, a General Partnership
Well Name	W. BROERS I-4
Doc ID	1366564

## Casing

Purpose Of String	Size Hole Drilled	Size Casing Set			Type Of Cement		Type and Percent Additives
Surface	9	6.250	10	29	Portland	10	50/50 POZ
Production	6	2.875	8	714	Portland	96	50/50 POZ

	NO I-5		SUR Size Feet Circu	ılated <u>[@</u> sx cement	PERMANENT Size 278 8 Cl EL Feet 7/9. To at Completion Contractor HUGH	74 Ha	cotshoe o		1700 F API#15:09	FORMATION DRILLED  SOI  CLAY Shall	20
DATE	T	1 0	RILLED	DEMARKS TO			PIPE TAL		7	Shale	59
7/291	12	FROM	-	<del></del>	PE WORK — BILLING REF.				10	Lime	19
	4'	10	12	Soil			21.5-2		6		75
24	1	12	24	Clay		(3)	24.5-	44.0	57	Lime	152
7/24	17	24	2,8	Shale		(3)	225-	66.5		Lime	153
7/25/ 5/8 PDC	Ĺ	28	52	Lime			22.5-		8	Shale	161
PDC		52	58			70	125-	ill.5	16	Lime	177
		59	69	lime		-			55	Short	232
	!	69	75	Shale	· · · · · · · · · · · · · · · · · · ·		122.5-		26	Livre	258
			100	1			225 -		- 7	shale	275
		75	99	Live	·	(3)	225-	1790	18	shule	
	<del> </del>		152	Snale		9	21.9-	2015	11	LIME	303
	<del></del>	152	153	LIME	*****************	(10	22.5-	22.44	22		336
	]	153	161	shule		(11)	22.5-	246	30 24	Lime	360
(14)		161	177	Lime		193	5 -	a a	2 8	Shule	360 368 391
	18	177	232			(13	)22.5-	2915	- 20 23	shale	34/
			258	- A	**************************************	Ti u	122.5-	214.0	3	1 rune	395
9		7	7	·	2(0,217)				- 3	Lime	401
		217	1075	Shalo CBroken	26420	(1)	22.5	336.7	Herthel 6	Lime	407
				Lime		-	22.5	327	113	Shall	170
			+				22.5 -	581	3	Savol	523 575 585 593 598
		303	314	Lime _		_(i)	22.5-	4040	54	Shale	575
				Shall Chime 31	9-320)	(12)	225-	426.5	- 18	Lime	383
	30			Lime		(20)	1225~	4496	5	Lime	598
		360	368	shale colore	367-368)	621	22.5-	471.9	7	Shale Lime Shorte	L05
ļ	20'	368	391	Lime		(12	22.5-	4940		Lime	614
		391	39.5	Shale Wolate	291-292)	()3	22.5-	5/65		Shale	625
		395	398	Lime	311310	(04	) = 5	200	4	Lime	629
		799	40	Shule		18	225-	5390	12	shak	635
	-xortha"	210	1107	Suit	***************************************	(35)	22.5	561.3	17	Shalo	254
	ICITAN			Lime		(26	12.5-	5890		Shalo Zime	655
		701	- 40	Shale CBroke	w 411-419)	(32)	122.5-	606.5	3	Shale	658





## **FIELD TICKET & TREATMENT REPORT**

20-431	r 800-467-8676				NT	•		
DATE	CUSTOMER#		NAME & NUM		SECTION	TOWNSHIP	RANGE	COUNTY
7-26-17	3425	N BI	215	T-4	34 2	16	30	FK
JSTOMER	. D.	1/1.				000/50		DDIVED
AILING ADDRE	hes Ur:	ling	- V	-	TRUCK#	Alc. Nad	TRUCK#	DRIVER
17)	4.)	Mach			363	AMA	0-76/4	Moo
ITY J		Mai h	ZIP CODE	-	548	Cas Ken		
walle	311-	K5	66097	i	2.0	Las Mer		
OB TYPE 100	10. St. 1/140	HOLE SIZE	E VR		TH 740	CASING SIZE & W	VEIGHT 2 X	5
ASING DEPTH	714	DRILL PIPE		TUBING		-	OTHER	
LURRY WEIGH	HAM A	SLURRY VOL		WATER gal	/sk	CEMENT LEFT In	110	ণ্ড
ISPLACEMENT	1 11	DISPLACEMEN	TPSI BOD	MIX PSI	200	RATE MG	en	
	ield Mi	etlus	ES	tablis	had va	te Mi	Xed of	DUM DE
100#	-01 foll	01120	bil	96.5K	PazBI	end I-A	Plus	298 96
+ VHT	Flo506	I. Circ	nath	e cei	ment.	Hushoo	& aimp	
PUMPE	e plug	to co	asinc	TO.	Well	held 8	300 85	I for
30 Mi	nute /	MITT	3,7	Float	•			an or
							_	
		•						
	EPIC	ugter				<del>, , ,</del>	. 1	
		-0.200.4			//	$\Omega \sim \Lambda$	1-41	
						77.17.77	11/1927	
			· · · · · ·			XW IV	wow	
ACCOUNT	QUANITY	or UNITS		DESCRIPTION	of SERVICES or P	RODUCT	UNIT PRICE	TOTAL
CODE	QUANITY	or UNITS			of SERVICES or P		UNIT PRICE	TOTAL
CODE # 0450	QUANITY	or UNITS	PUMP CHAP		of SERVICES or P	RODUCT  308  308	UNIT PRICE 15000	TOTAL
CODE E 0450 E 0002	QUANITY	or UNITS	PUMP CHAR	RGE		368	UNIT PRICE  15000  107-25	TOTAL
CODE # 0450	QUANITY	or UNITS	PUMP CHAR			368	UNIT PRICE  15000  10725  10725  10725	
CODE E 0450 E 0002	QUANITY	or UNITS	PUMP CHAR	RGE	s Supb	368 348 348	UNIT PRICE  15000  10725  10725  10725  121699	
CODE E 0450 E 0002	QUANITY	or UNITS	PUMP CHAR	RGE	<b>S</b>	368 348 348	UNIT PRICE 15000 10725 10725 10725 1246 99	TOTAL 1026
CODE E 0450 E 0002	QUANITY	or UNITS	PUMP CHAR	RGE	s Supb	368 348 348	150000 10725 66090 121725 1216 91	
E 0450 E 002	QUANITY	15	PUMP CHAP	rge Mile	s Supb	368 348 348	UNIT PRICE  150000  10725  60000  124699	
E 0450 E 002 -	=	15 1:10 6.5K	PUMP CHAP	RGE	s Supb	368 348 348	150000 10725 66030 121725 1216 99	
E 0450 E 002 -	QUANITY  A  A  A  A  A  A	15 15 M	PUMP CHAP MILEAGE Ton	RGE Miles Blend	s Supb	368 348 348	150000 10725 66090 121725 1246 91	
E 0450 E 002	=	15 1:10 6.5K	PUMP CHAP MILEAGE Ton	rge Mile	s Supb	368 348 348	150000 10725 66030 121725 1216 99	
E 0450 E 0002	=	15 15 M	PUMP CHAP MILEAGE Ton	RGE Miles Blend	S.b. Log	368 348 348 5 35 %	150000 10725 66090 121691 12960 12960 1890 4800 4500	10200
E 0450 E 002	=	15 15 M	PUMP CHAP MILEAGE Ton	RGE Miles Blend	S.b. I.c.	368 348 348 3 35 %	150000 10725 10725 121691 12969 1390 4800 4500 146730	10200
E D450 E D02	=	15 15 M	PUMP CHAP MILEAGE Ton	RGE Miles Blend	S.b. I.c.	368 348 348 5 35 %	150000 10725 66090 121691 12960 12960 1890 4800 4500	10200
E 0450 E 0022	=	15 15 M	PUMP CHAP MILEAGE Ton	RGE Miles Blend	S.b. I.c.	368 348 348 3 35 %	150000 10725 10725 121691 12969 1390 4800 4500 146730	10200
E D450 E D02	=	15 15 M	PUMP CHAP MILEAGE Ton	RGE Miles Blend	S.b. I.c.	368 348 348 3 35 %	150000 10725 10725 121691 12969 1390 4800 4500 146730	10200
E D450 E D02	=	15 15 M	PUMP CHAP MILEAGE Ton	RGE Miles Blend	S.b. I.c.	368 348 348 3 35 %	150000 10725 10725 121691 12969 1390 4800 4500 146730	10200
E 0450 E 0002	=	15 15 M	PUMP CHAP MILEAGE Ton	RGE Miles Blend	S.b. I.c.	368 348 348 3 35 %	150000 10725 10725 121691 12969 1390 4800 4500 146730	10200
CODE F 0450 E 0002	=	15 15 M	PUMP CHAP MILEAGE Ton	RGE Miles Blend	S.b. I.c.	368 348 348 3 35 %	150000 10725 66030 121691 129691 129691 1467.30 -807.00	10200
CODE  # 6450  E 0002  FOTH	=	15 15 M	PUMP CHAP MILEAGE Ton	RGE Miles Blend	S.b. I.c.	368 348 348 3 35 %	150000 10725 10725 121691 12969 1390 4800 4500 146730	10200
CS 8 40 CS 9 65 CS 9 65 CS 9 65	=	15 15 M	PUMP CHAP MILEAGE Ton	RGE Miles Blend	S.b. I.c.	368 348 348 3 35 %	150000 10725 60090 121725 1246 91 1246 91 14820 1467 30 -807.00	10200