

### Kansas Corporation Commission Oil & Gas Conservation Division

1366562

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:		SecTwpS. R				
Address 2:		Feet from North / South Line of Section				
City: State: 2	Zip:+	Feet from   East /   West L	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.g.	xxx.xxxxx)			
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:				
		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)				
Dameit #		Chloride content:ppm Fluid volume:	bbls			
_		Dewatering method used:				
		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	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:								

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	ing Siz	e Hole		e Casing	Weight		Setting	Type of	# Sacks	Type and Percent	
Fulpose of Sti	"' <sup>g</sup> D	rilled	Set	(In O.D.)	Lbs. / F	t.	Depth	Cement	Used	Additives	
				ADDITIONAL	CEMENTING	i / SQL	JEEZE RECORD				
Purpose:		Depth Bottom	Type	of Cement	# Sacks U	# Sacks Used Type and Percent Additives					
Perforate Protect Cas	sing										
Plug Back Plug Off Zo											
1 lug Oli 20	JIIC .										
Did you perform	a hydraulic fractu	ring treatment o	n this w	ell?			Yes	No (If No,	skip questions 2 ar	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	other (Explain)			
Estimated Produc Per 24 Hours	tion	Oil Bbls	S.	Gas	Mcf	Wat	er Bl	ols.	Gas-Oil Ratio	Gravity	
DISPO	SITION 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-3
Doc ID	1366562

## Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight		Type Of Cement		Type and Percent Additives
Surface	9	6.250	10	35	Portland	12	50/50 POZ
Production	6	2.875	8	782	Portland	105	50/50 POZ

## HUGHES DRILLING REPORT

Farm W. Brocks Feel 35'

SIZE 2 8 STA EVENEW

Size 2 8 STA EVENEW

Feet 35 Feet 782 45 of pipe on Bottom

Circulated 12 sx cement with Flourished on Bottom

T. D. at Completion 792

Hoches Doilling

\_\_\_ Co., Kansas

THICKNESS

2

30

FORMATION

DRILLED

Soil

3070 FEL

2

32

OPERATOR HUS	nes Drill	in 5 at complete	HES DRILLING CO.	25 1 Mc 38
-0		Contractor	HES DRILLING CO.	The state of the s
DATE	DRILLED	BEMARKS - TYPE WORK - BILLING REF.	PIPE TALLY	6 shale 64
7/18/17	FROM		Marcare	6 Shale 82
25)	0 2	Soil	(121.5-21.5	19 Lime 101
35	2 32	2 clay	3225-44.0	65 Shale 166
7/19/17	32 30	3 Grave	(3)225-66.5	17 Lime 183
5/8 PDC	33 50	7 Limic	(9) 225- 89.0	55 Shule 238
	58 64	Shall (Sleete 63-64)	(5)22.5- 111.5	23 LTMDE 261
	64 70		Q225-134.0	15 Shale 276
	76 87		Jns- 156.5	29 Shale 312
	82 19		(8)225-179.0	12 Line 324
<del></del>				20 Shale 344
	101 16		9225-201.5	30' 24 Lime 368
		3 Lime	(10)225- 2240	
	4	8 Shale Cline 93-94)	W225 246.5	20 23 Lime 400
		e) Limb	(12)22.5-268.0	4 Shele 404 4 LIMU 408
	261 270	5 Shale (BARN 267-269)	(13)225- 1315	2 Shyle 410
	276 28	3 LIME	(14)22.5- 314.9	Hertbal 6 Lime 416
		2 Shalv	5225- 336.5	(1) Shali 527
	312 32		(1)22.5- 359.0	37 Shall 566
ì		4 Shule Clime Break 28-32	1 125- 381.5	37 Shale 566 4 Lime 579
301	344 36		(18)25- 4040	37 Shale 566 4 Lime 579 45 Shale 585
	2/8 3-	7 Shale Uslate 375-376	(19)225- 426.9	10 Limb 595
201			The state of the s	8 Shall 603
	01/40	9 Line	(20225-449.0	6 LIMU 601
	400 70	4 Sh. VC (Slate 400-401)	@122.5- 471.5	7 Shale 66 7, Lime 623
	The state of the s	3 Lime	(21)22.5-494.0	7 LIMO 623 19 Small 637
71	408 4/6		(23)225-5165	3 Lime 640
steptus"	410 41	6 Livne	(E9)225-539.0	7 shall 647
	416 52	7 Shele (Broken 4200 424)	(23/22.5-561.5	10 Lime 657
ger !!	527 52		(26)225-5840	12 1 My 668
		5 shale	(37)225-6065	6 21MC 678
*	-11		9007	

								£C	Co., Kansas	(17)
	¥		HUG	HES DRILLIN	NG REPORT			1245 F	sL 3070	FEL
					76.1			API# 15-05	9-27155	
	T-7		SURF	ACE CASING	PERMANENT	CSG.			UP. 16 R.	20
Well N	10. 1 3	e fee	Size	ACE CASING	Size,			STRATA	FORMATION DRILLED	T.D.
Farm (	N. Blo	45			Feet			THICKNESS	son q	693
			Circula	ated sx cement		-2011	)	13	Shale	706
					T. D. at Completion			1	Lime	707
OPERAT	OR				Contractor HUG	HES D	RILLING CO.	2		728
DATE	T	DR	ICCED	Y	### *******		PIPE TALLY		- Livring	730
DATE	-	FROM	ro		PE WORK - BILLING BEF.			1		
	ļ	566	570	Lime		(28	122.5-629.6	3	2 Shale	773
		570	585	Shulc CBRKN	574-577)	(2	22,5-651.5	10	Shale	792
		585	595	ime		(30	225-6740		onane	T.D.
n.	Ы		7	Shale			225 96.5			1
1 3				Lime		(2)	2015-9190			
				Shale		2	200 5-741			
18	1000			Lime		9	y) 02 5- 7(1)	l ——		i
-							1/225 764	also a	-	
				Shale	.NA	-6	5/225-786	1		
	<del> </del>		120000000000000000000000000000000000000	Lime CBrow						
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Shale Cslat	6 640-641)			ļ		
-	<u> </u>		-	Lime				***************************************		
			A CONTRACTOR OF THE PARTY OF TH	Shale					+	
		645	66	Lime						
		668	678	Shale						6
¥	12quirel	678	693	Sand						
A .	L	693	706	shale					<del></del>	
	74	706	707	Line					-	
		707	728	Sheele				PRODUCTION OF THE PRODUCTION O		
				Lime						
-	Za ira l	730	740	Savid			***************************************		N/s	
	Chamel	740	797	Sand shale		-+		***************************************		
		•	T.D.	Orlono		-+		-		
	V-111-1-11-1		1.01		The second of the second secon			, )		
		;		L	182.45 of :	7/01	and and			
				2-17, Set 7	187.45 of	2,8	BY EVE		-	
				used 3 w	attalizes	1			-	
				And Flock	show on Bo	100			<del> </del>	

HUGHES DRILLING CO.

CORE TIME

Lease # I-3 La Broers

Formation #1 squirrel

Date 7/19/17 RPM chipsample

	FROM	ТО	TIME	MINUTES	REMARKS
	678	679	LT. Buo.	un sand /	min alphale (Bleed)
	679	680	GT. Brow	1	
	680	681	3		
	681	682	680-	-684	Solid Sund (exc, Bleed)
	682	683	7		
	683	684			
	684	685	- Sand V	ery Ignin	, w/shak (Bleed)
	685	686			
	686	687	) 685	-689	ly lamin, w/shale (Bleed)
	687	688	San	1 slight	ly lamin, w/shale (Bleed)
	688	689			
	689	690	- Sand	very 19	min, w/shale (Blood)
	690	691			
	691	692	{		1
	692	693	7 6	brul	le
	693	694			
	694	695			BegT Perf Zone
1		696			(680-689)
		۵۱۵			
					cest
-					



AUTHORIZTION\_

2023/20

TICKET NUMBER 50457
LOCATION Offawa

DATE\_

PO BOX 884, Chemital, KS 65720 23-43-4210 to 800-487-8076  DATE CUSTOMER # WELL NAME & NUMBER SECTION TOWNSHIP RANGE COUNTY  DATE CUSTOMER # WELL NAME & NUMBER SECTION TOWNSHIP RANGE COUNTY  DATE CUSTOMER # WELL NAME & NUMBER SECTION TOWNSHIP RANGE COUNTY  DATE CUSTOMER # WELL NAME & NUMBER SECTION TOWNSHIP RANGE COUNTY  DATE CUSTOMER # WELL NAME & NUMBER SECTION TOWNSHIP RANGE COUNTY  DATE CUSTOMER # TRUCK # DRIVER TRUCK	PRES	SURE PUMPING		FC	REMAN_/	alan N	Isde
DATE CUSTOMER WELL NAME & NUMBER SECTION TOWNSHIP RANGE COURTY  7-20-17-3425 N. Broens # State Successful Succ		,		MENT REPOR	RT,	4 01-	
OBSOMERY  TRUCKS DENVER TRUCKS DENVER  TRU						, ,	
CUSTONER  THE MARKET STATE  TH	7-20-17	3425 1) 1	34-205 109		16	20.20	F/
MARING ADDRESS    132   Main   STATE   ZIP CODE	CUSTOMER	170° K	or pero		M. A STOCK		
CITY STATE ZIP CODE  WO 1/5 v: 1/e X 1 6605 2  JOB TYPE 124 517 10 HOLE SIZE 55/3 HOLE DEPTH 7972 CASING SIZE & WEIGHT 2/18  CASING DEPTH 78 DORLL PIPE  TUBING  CASING DEPTH 78 DORLL PIPE  TUBING  TUBING  TUBING  THE GAING VEE  TO STATE WATER GAING  TO SIZE & WEIGHT 2/18  TO STATE Y STATE  TO STATE Y STATE  TO STAT	Hugh	as DV. 1140		TRUCK#	DRIVER	TRUCK#	DRIVER
MICHOLOGY INC. SCHOOL SIZE 558 HOLE DEPTH 79% CASING SIZE A WEIGHT 278  COUNT COUNT COUNT OUNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL  CENTRAL DEPTH 78% NILEAGE  ACCOUNT COUNT OUNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL  CENTRAL DEPTH 78% NILEAGE  ACCOUNT COUNT OUNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL  CENTRAL DEPTH 78% NILEAGE  CENTRAL DEPTH 78% NILEAGE  CENTRAL DEPTH 78% NILEAGE  CENTRAL DESCRIPTION OF SERVICES OF PRODUCT  COUNT OUNITS DESCRIPTION OF SERVICES OF PRODUCT  COUNT OUNIT PRICE TOTAL  CENTRAL DEPTH 78% NILEAGE  CENTRAL DESCRIPTION OF SERVICES OF PRODUCT  COUNT OUNIT PRICE TOTAL  CENTRAL DEPTH 78% NILEAGE  CENTRAL DEPTH 78% N	MAILING ADDRE	ss vi		730	Ala Mar	& Ser Po	XV Ma
MICHOLOGY ILE TO SHOOS A HOLE DEPTH 79% CASING SIZE & WEIGHT 2/8  JOB TYPE 104 5 1/1 by HOLE SIZE 5 5 8 HOLE DEPTH 79% CASING SIZE & WEIGHT 2/8  SLURRY WEIGHT SLURRY VOL WATER galak CEMENT LETT IN CASING 1/8 5  DISPLACEMENT DISPLACEMENT PSI DD MIX PSI 200 RATE 4 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	122	Main		368 A	MM		,
JOB TYPE 100 4 SILVEN HOLE SIZE 3 4 HOLE DEPTH 74% CASING SIZE & WEIGHT 218  CASING DEPTH 78% DRILL PIPE TUBING OTHER  SAURRY WEIGHT SLURRY VOL. WATER gallak CEMENT LEFT IP CASING 1/25  DISPLACEMENT DISPLACEMENT PSI SID MIX PSI 200 RATE 4 1/2 FM  REMARKS: Not a control of the	CITY /	STATE		548 A	I'K Hace		
JOB TYPE 100 4 SILVEN HOLE SIZE 3 4 HOLE DEPTH 74% CASING SIZE & WEIGHT 218  CASING DEPTH 78% DRILL PIPE TUBING OTHER  SAURRY WEIGHT SLURRY VOL. WATER gallak CEMENT LEFT IP CASING 1/25  DISPLACEMENT DISPLACEMENT PSI SID MIX PSI 200 RATE 4 1/2 FM  REMARKS: Not a control of the	Well u	rille XI	66092				
CASING DEPTH 78% DRILL PIPE TUBING OTHER SLURRY WEIGHT SLURRY WEIGHT SLURRY WEIGHT SLURRY WEIGHT SLURRY WEIGHT SLURRY WEIGHT DISPLACEMENT PSI SID MX PSI 200 RATE 4 DIAM REMARKS. 1812 M CEMENT LEFT IN CASING 1/82 DIAM REMARKS. 1812 M CEMENT LEFT IN CASING 1/82 DIAM REMARKS. 1812 M CEMENT LEFT IN CASING 1/82 DIAM REMARKS. 1812 M CEMENT LEFT IN CASING 1/82 DIAM REMARKS. 1812 M CEMENT STANDARD RATE AND SALE STANDA	JOB TYPE 10	PU & STY BY HOLE SIZE	7111	792 CA	SING SIZE & W	EIGHT 2	1/8
DISPLACEMENT DISPLACEMENT PSI DD MIX PSI 200 RATE 4 Spin TREMARKS: Held Meeting, Mixed + Primped 100 Fee) Billowed by 105.51 FB I A play 270 get 4 FF + 10.55 gl poly (Sack. Circulated Cert on F. Flashor pump. Pumple play 10 cc. 5.1 ac TD. Tet float.  ACCOUNT QUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL CODE 15 PUMP CHARGE BY 107.23 gl poly 15 MILEAGE 160 17.23 gl poly 17.23 gl poly 15 MILEAGE 160 17.23 gl poly	CASING DEPTH	782 DRILL PIPE	TUBING				
DISPLACEMENT DISPLACEMENT PSI DD MIX PSI 200 RATE 4 Spar  REMARKS: Held Meeting, Mixed + Mangel 100 Fee) Billowed  In 1053 KBIT Plag 270 gel 4 Mit 1055 gl 108 CGCK.  Circulated cement to the short pump Pumple plag  10 GCL51 CTD, Tet float  ACCOUNT CODE QUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL  CEPASO 1 PUMP CHARGE 100 107 235 CKD 107 235	SLURRY WEIGH	T SLURRY VO	L WATER gal/sk	CE			5
THE STORY OF THE S	DISPLACEMENT	DISPLACEM	10	A =D	/	ons	
The state of the s	REMARKS: HO	10 .01	1:00 10	100 IDD	Fro?	Billar	)ed
Hughes water   Account	105	3K RB TA O	1,00 207- 001 8	VH# FID	300 is	201 1801	F
Hughes water   Account	Circles	ulater cen	ent. Flushe	2 orna	D	000	Olies.
ACCOUNT CODE QUANTTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL  CEPHSO   PUMP CHARGE	100	C.S. AC TI)	Set floot:	1	- 41	year	233
ACCOUNT CODE QUANTTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL  CEPHSO   PUMP CHARGE	1000		Tional -				
ACCOUNT CODE QUANTTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL  CEPHSO   PUMP CHARGE	· · · · · · · · · · · · · · · · · · ·						
ACCOUNT CODE QUANTTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL  CEPHSO   PUMP CHARGE							
ACCOUNT CODE QUANTTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL  CEPHSD   PUMP CHARGE SEN 1500    WILLEAGE SEN 1500    CEPHSD   TOTAL  CEPHS	И	ushes wenter					0
CODE CONTITION OF SERVICES SIFFRODUCT ON IT PRICE TOTAL  CEPASO   15   PUMP CHARGE   368   157 35    CEPASO   15   MILEAGE   368   157 35    CEPASO   105   PB   M   141750    CESSAD   276   9x   1000 30    CESSAD   276   9x   1577 30    CESSAD   1577 30		Just water	C. a. a.		10	Mrse	Les .
CODE COUNTY OF UNITS  DESCRIPTION OF SERVICES OF PRODUCT  ONIT PRICE  TOTAL  CEPASO  PUMP CHARGE  MILEAGE  SED  (ROTIL A)  A)  A)  Tou M;   a 5  Sel STED  (ROTIL A)  A)  Tou M;   a 5  Sel STED  (ROTIL A)  A)  Tou M;   a 5  Sel STED  (ROTIL A)  Tou M;   a 5  Sel STED  (ROTIL A)  Tou M;   a 5  Sel STED  (ROTIL A)  TOTAL  (NOT PRICE  TOTAL					1 Com	0100	
CONST   PUMP CHARGE   368   1500000000000000000000000000000000000	ACCOUNT	OHANITY or LINES	DESCRIPTION of S	EPVICES or PPODI	ICT	JINIT PRICE	TOTAL
(80711) MILEAGE (80711) Min Ton Miles 368 10735 109034 109	CODE				722	ONT PRICE	IOIAL
(80711) Min Ton Miles 348 860000 2767.21 109024 109	CEDISO		PUMP CHARGE		360	1500	
105 PB   A 141750 PB   A 14175	CE OWL	15			568	107-20	
CCS840	(20711)	Min.	Ton M, 195		348	B6000	
(15840 105 PB 1 A 141750 CC 3965 276 9x1 82.80 CC 5965 276 9x1 82.80 CC 52 CC		- dr		ط باح		7267.21	7/
8/6 SALES TAX 57 50				L 865	55% +	1246,99	102034
8/6 SALES TAX 57 50							
8/6 SALES TAX 57 50							
8/6 SALES TAX 57 50	CC5840	105	PBIT	6		141750	•
8/6 SALES TAX 57 50	caghs.	0.5.				87.80	<b>&gt;</b>
8/6 SALES TAX 57 50			Ne (au)	- X		Enoug	
8% SALES TAX 57.50	566075	<u> </u>	1 1 1 1		-,	3/2	
8% SALES TAX 57.59	CPB1/6"		2/20145	ñ		45	
8% SALES TAX 57.59				54	0	1377	
8% SALES TAX 57.59				hesi	55%4	- 8 1833	אר. צור
8% SALES TAX 57.50							
8% SALES TAX 57.50							
8% SALES TAX 57.50				100			
and 9797							
and 9797			- 50000				
and 9797				*	8%		5734
	lavin 3737					ESTIMATED	170/ 5年

TITLE