KANSAS COBPO

Confidentiality Requested:

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1213202

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:
OG GSW Temp. Abd.	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:
	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Drilling Fluid Management Plan
Plug Back 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 # ENHR 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
Geologist Report Received
UIC Distribution
ALT I II III Approved by: Date:

	Page Two	1213202
Operator Name:	Lease Name:	Well #:
Sec TwpS. R □ East □ West	County:	
INCTRUCTIONS, Show important tang of formations panatrated	Datail all cores Report a	Il final conject of drill stoms tosts giving interval tostod, time tool

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 Sh	eets)	Yes No Log Formation (Top), Depth		on (Top), Depth ai		Sample	
Samples Sent to Geolog	gical Survey	Yes No	Nam	e		Тор	Datum
Cores Taken Electric Log Run		Yes No Yes No					
List All E. Logs Run:							
		CASING		w Used			
		Report all strings set-o	conductor, surface, inte	ermediate, producti	on, 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 / SQL	EEZE RECORD			
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used		Type and F	Percent Additives	

	Purpose: Perforate	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?
Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?
Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?

No	(If No, skip questions 2 and 3)
No	(If No, skip question 3)
No	(If No, fill out Page Three of the

Yes

Yes

Yes

(If No	fill out Door	Three of the	100 1)
(11 110,	IIII OUL Faye	e Three of the	ACO-1)

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated					be			ement Squeeze Record d of Material Used)	Depth
TUBING RECORD:	Si	ze:	Set At:	:	Packe	r At:	Liner R		No	
Date of First, Resumed	I Product	ion, SWD or ENHI	٦.	Producing Me	thod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wat	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITI	d 🗌	Used on Lease		Open Hole	Perf.	OF COMPLE	Comp.	Commingled (Submit ACO-4)	PRODUCTION INTEF	{VAL:
(II verneu, Su		-10.)		Other (Specify) _						

Form	ACO1 - Well Completion
Operator	Hughes Drilling Co, a General Partnership
Well Name	Braun 20-I
Doc ID	1213202

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	9	7	10	28	Portland	9	50/50 POZ
Completio n	5.6250	2.8750	8	910	Portland	140	50/50 POZ

50 0	o., Kansas
	MAS_FEL
HUGHES DRILLING REPORT	1-242-89
DEPARA BIL ALL ALL ALL ALL ALL ALL ALL ALL ALL A	<u>La contractore de comm</u>
Well No. 20-J Size J Size 219 Brd COL	FORMATION T.D.
Farm Brand Feel 28 10 Feel 910 (Baffle at 377,45) HICKNESS	Soil
Circulated <u>9</u> sx cement <u>9</u> 29	Clay 26
T. D. at Completion $\frac{920}{13}$	Shall 41
OPERATOR HUS has Drilling Contractor HUGHES DRILLING CO.	Lime 44
DATE DRILLED REMARKS - TYPE WORK - BILLING REP. PIPE TALLY	Shore 48
PROM YO	Shale 72
4/23/14 Q 2 Soil Q21.5-21.5 g	Lime 181
28' 2 26 Clay (2/22.5-440) 3	Shall ge
SULU 26 41 Shale (3225-665 19	Line TOF
578 PC 41 44 Line (1)225 89.9 22	Shell 130
<u>44 48 Suale (5dy)</u> (525-111.5 28	Shale 180
48 65 hime (225-134.0 12	Lime 192
65 72 Small (Slote 70-72) (225-1565 27	Shall 219
72 81 Lime (8) 22.5- 179. p	Lime 227
81 86 Shall 9225-2015 9	Shale 236
86 105 Lime (10225-2240 11	Lime 1247
105 130 Shart (Red Bed 107-112) (1)225-2465-16	Shall 263
130 1152 LIME (12)225-269 0 2	Shall 267
152 180 shale (Sdy 167-169) (13)22 5-2915 5	L, MC 1272
	Shall 1281
$\frac{180192}{1921219} 5 mele (19)225 - 3365 - 7$	Lime 286
73	Small 329
	Lime 352 Shale 358
166/ De Dhait	hime 382
	shale 1285
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263 265 Line 6 225-449.9 4 265 1217 Shall (1) 225-471 5 Hertra 7	shale, 392
26, 201 Dhave (170	shall shall
1671016 LIME (4765-177) 7	L.MC : 576
272281 Shale (222.5-516) 3	Shall 579
281 286 Lime (24/225-539.9 2	5 mc 581 5 marc 590
2. 26 329 Shall Line 318-319) (25)22.5-561.5 6	Lime 596
202225-584b 15	snal6 611
352 358 Shale (Slate 357-358) (21)22.5-6065 3	Limb 614

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HUGHES DRILLING CO.

Wellsville, Kansas 66092

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I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.