KOLAR Document ID: 1403216

Confidentiality Requested:

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: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xxx.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:
	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)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
☐ Dual Completion Permit #:	Landing of fluid disparal if handed affaita.
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 II III Approved by: Date:

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Page Two

Operator Name:					_ Lease Nam	ne:			Well #:	
Sec Tw	pS	S. R	Eas	st West	County:					
	, flowing an	d shut-in pres	sures, wh	ether shut-in pre	ssure reached	static	level, hydrostat	ic pressures, bo		val tested, time tool erature, fluid recovery,
Final Radioactivi files must be sub							gs must be emai	led to kcc-well-l	ogs@kcc.ks.go	v. Digital electronic log
Drill Stem Tests (Attach Addit		1		Yes No		Lo		n (Top), Depth a		Sample
Samples Sent to	Geological	Survey		Yes No		Name			Тор	Datum
Cores Taken Electric Log Run Geologist Report List All E. Logs F	t / Mud Log	s		Yes No Yes No Yes No						
			Rej	CASING	RECORD [Nev		on, etc.		
Purpose of St	ring	Size Hole Drilled		Size Casing let (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
				ADDITIONAL	CEMENTING /	SQUE	EEZE RECORD		'	
Purpose: Perforate		Depth Top Bottom	Тур	pe of Cement	# Sacks Use	ed		Type and	Percent Additives	
Protect Ca										
Plug Off Z										
Did you perform Does the volume Was the hydraul	e of the total	base fluid of the	hydraulic	fracturing treatment		-	Yes yes Yes	No (If No, s	kip questions 2 ar kip question 3) Il out Page Three	
Date of first Produ Injection:	ction/Injectio	n or Resumed Pi	roduction/	Producing Meth	od:		Gas Lift O	ther <i>(Explain)</i>		
Estimated Product Per 24 Hours		Oil	Bbls.		Mcf	Water			Gas-Oil Ratio	Gravity
DISPO	OSITION OF	GAS:		N	ETHOD OF CO	MPLET	ΓΙΟΝ:			DN INTERVAL: Bottom
Vented	Sold	Used on Lease		Open Hole	_	Dually (Submit A		nmingled nit ACO-4)	Тор	BOLLOTTI
,	· I									
Shots Per Foot	Perforation Top	on Perfor Bott		Bridge Plug Type	Bridge Plug Set At		Acid,		ementing Squeeze and of Material Used)	
TUBING RECORI	D: S	size:	Set A	: -	Packer At:					

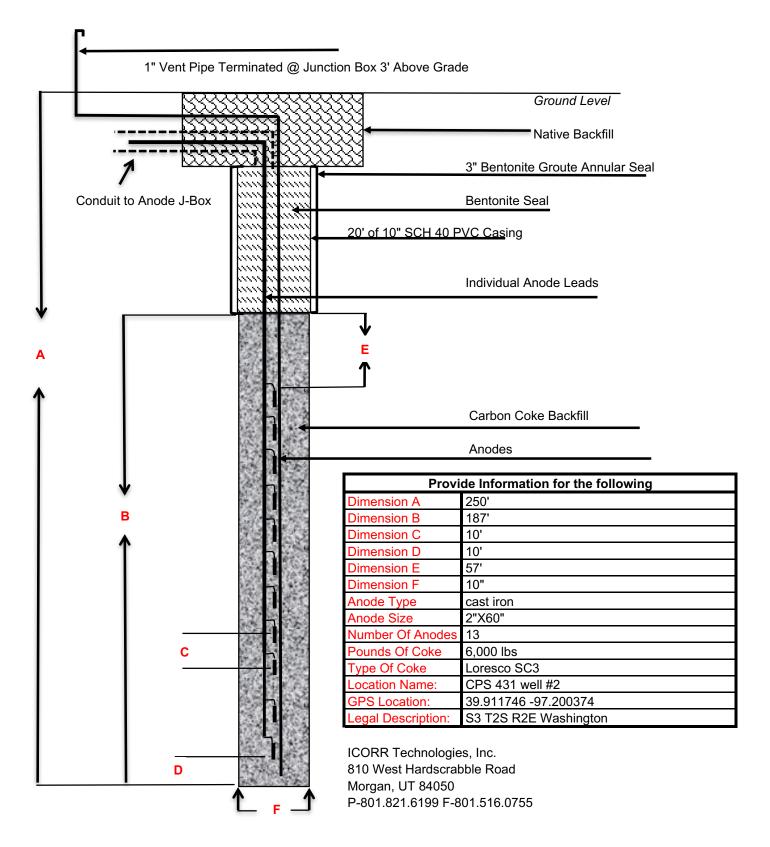
Form	ACO1 - Well Completion
Operator	Colorado Interstate Gas Co., LLC
Well Name	NGPL AMA 431 LINES 2,3,4 2
Doc ID	1403216

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	16	10	8.782	20	Bentonite	34	None

ICORR Technologies Inc. As-Built Deep Anode Bed for Cathodic Protection





ICORR TECHNOLOGIES BOREHOLE INFORMATION

							Rig, slayer, skidster	EQUIPMENT USED ON SITE
							Yes	WAS VAC TRUCK USED
							22 bags/ casing	#OF BAGS OF CHIPS
							96 bags	# OF BAGS OF COKE BREEZE
							120′	TOP ANODE DEPTH
							250′	BOTTOM ANODE DEPTH
								ANODE SIZE
							250′	DRILLED DEPTH (FT)
			NOTES:				10"	HOLE DIAMETER (IN)
			m		Z.			GPS COORDINATES (UTM)
								ELEVATION (METERS)
			z			Grey Clay	220-250	
			z			Sugar Sand	160-220	
			z			Gay Clay	140-160	
			Z			Sugar Sand	80-140	
			Υ			Lime stone	60-80	
			z			Gray Clay	20-60	
		Mud	z			Top soil	0-20	
MUD WT	РН	ADDITIVES	WATER Y/N	COLOR	GRAIN SIZE	TYPE	DEPTH	GEOLOGIC LOG
12/3/17								
COM DATE		LES TO DATE	TOTAL # OF HOLES TO DATE				ICORR	GENERAL CONTRACTOR
12/2/17	PDC	2	VD-1000	Weaver	Sawyer Weaver	KS	Haddam, KS	PROJECT LOCATION
START DATE	BIT TYPE(S)	HOLE#	RIG#	AD DRILLER	PROJECT LEAD DRILLER	31	AMA 431	PROJECT NUMBER