KOLAR Document ID: 1525909

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:	SecTwpS. R				
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.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:				
☐ 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)				
Committed at Provider	Chloride content: ppm Fluid volume: bbls				
☐ Commingled     Permit #:	Dewatering method used:				
SWD Permit #:	Location of fluid disposal if hauled offsite:				
EOR Permit #:	Location of fluid disposal if fladied offsite.				
GSW Permit #:	Operator Name:				
<u> </u>	Lease Name: License #:				
Spud Date or Date Reached TD Completion Date or	QuarterSecTwpS. 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:

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#### Page Two

Operator Name:					Lease Nam	ne:			Well #:	
Sec Tw	pS. F	R [	East	West	County:					
open and closed and flow rates if	, flowing and sh gas to surface t ty Log, Final Lo	nut-in pressurest, along wit	es, whe h final c ain Geo	ther shut-in pre hart(s). Attach physical Data a	essure reached extra sheet if r and Final Electr	station more : ric Loc	level, hydrosta space is needed	tic pressures, d.	bottom hole tempe	val tested, time tool rature, fluid recovery,  Digital electronic log
Drill Stem Tests (Attach Addit			Ye	es No		Lo	og Formatio	n (Top), Deptl	n and Datum	Sample
Samples Sent to	Geological Sur	vey	Ye	es 🗌 No		Name	)		Тор	Datum
Cores Taken Electric Log Run Geologist Repor List All E. Logs F	t / Mud Logs		Y€  Y€	es No						
			Repo		RECORD [	Nev	w Used rmediate, producti	on. etc.		
Purpose of St		ze Hole Orilled	Siz	e Casing (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
				ADDITIONAL	OF MENTING /					
Purpose:	[	Depth	Typo	of Cement	# Sacks Use		EEZE RECORD	Typo a	ad Paraant Additivas	
Perforate Protect Ca Plug Back	Top	Bottom	туре	or cement	# Sacks Use	,u		Type and Percent Additives		
Plug Off Z										
Did you perform     Does the volum     Was the hydraul	e of the total base	fluid of the hyd	draulic fra	cturing treatmen		•	Yes ns? Yes	No (If No	, skip questions 2 an , skip question 3) , fill out Page Three o	,
Date of first Produ	ction/Injection or	Resumed Produ	uction/	Producing Meth			Coolift 0	thor (Fundain)		
Estimated Produc	otion	Oil Bb	le.	Flowing Gas	Pumping  Mcf	Wate		ther <i>(Explain)</i> bls.	Gas-Oil Ratio	Gravity
Per 24 Hours		Oli Bb	15.	Gas	IVICI	vvale	ı Di	JIS.	Gas-Oil Hallo	Gravity
DISPOSITION OF GAS: METHOD OF COMPLETION: PRODUCTION INTERVA					N INTERVAL:					
Vented	Sold Use	d on Lease		Open Hole				nmingled	Тор	Bottom
(If vente	ed, Submit ACO-18	.)			(5	SUDITIIL I	ACO-5) (Subi	mit ACO-4)		
Shots Per Foot	Perforation Top	Perforation Bottom	on	Bridge Plug Type	Bridge Plug Set At		Acid,		Cementing Squeeze Kind of Material Used)	Record
TUBING RECOR	D: Size:		Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	Colorado Interstate Gas Co., LLC
Well Name	CPS 1145 1
Doc ID	1525909

### Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	_	Type Of Cement		Type and Percent Additives
Surface	16	10.750	7.5	20	Bentonite	0	n/a

00-021 CORROSION SPECIALISTS

YOUR ASSET INTEGRITY PARTNERS

DATE: 07/27/2020	DRILLER:	Anthony Mears	GPS:	38.204375 -101.822451
COMPANY: Kinder Morgan	BIT SIZE:	9-7/8"	ANODE TYPE:	1"X60" MMO
LOCATION: CPS 1145 Hole #1	CASING SIZE/TYPE:	10" SCH 40	ANODE AMOUNT:	13
LEGALS:	CASING DEPTH:	20'	LBS BACKFILL	5600
COUNTY: Syracuse	SOLID VENT:	180'	TYPE OF BACKFILL:	Loresco SC-3
STATE: Kansas	SLOTED VENT:	140'	<del></del>	
	<del></del>			

20	DEPTH	DRILLER'S LOG	AMPS	DEPTH	DRILLER'S LOG	AMPS
30 Lt. Brown Sand w/Rock 295 "  35 " 300 TD  40 Water Sand 305	20			285		
30	25	"		290	"	
35	30	Lt. Brown Sand w/Rock			п	
45	35	"		300	TD	
45	40	Water Sand		305		
30	45	II .		310		
325   326   65   1	50	ıı ı		315		
60 " 325   330   70   335   75   340   345   350   345   350   345   350   355   350   355   350   355   350   355	55	п		320		
70 " 335	60	"				
70         "         335           75         "         340           80         "         345           85         "         350           90         "         355           95         "         360           100         "         365           105         "         370           110         "         375           115         "         380           120         Silty Sand w/Rock         385           125         "         390           130         Dark Brown Sand         395           135         "         400           140         "         405           145         "         410           150         Gray w/Rock         415           155         "         420           160         "         425           165         "         430           170         "         435           175         "         440           180         "         445           185         "         450           190         Gray Sand w/Clay         455     <	65	II .		330		
75       "       340         80       "       345         85       "       350         90       "       355         95       "       360         100       "       365         105       "       370         110       "       375         115       "       380         120       Silty Sand w/Rock       385         125       "       390         130       Dark Brown Sand       395         135       "       400         140       "       405         145       "       410         150       Gray w/Rock       415         155       "       420         160       "       425         165       "       430         170       "       435         175       "       440         180       "       445         180       "       445         190       Gray Sand w/Clay       455         195       "       460         200       "       465         200       "       465 </td <td></td> <td>11</td> <td></td> <td>335</td> <td></td> <td></td>		11		335		
85	75	п				
90 " 355 95 " 360 100 " 365 105 " 370 110 " 375 115 " 380 120 Silty Sand w/Rock 385 125 " 390 130 Dark Brown Sand 395 135 " 400 140 " 405 145 " 410 150 Gray w/Rock 415 155 " 420 160 " 425 165 " 430 170 " 435 175 " 440 180 " 445 185 " 440 185 " 440 186 " 445 187 " 440 188 " 445 190 Gray Sand w/Clay 455 190 Gray Sand w/Clay 455 195 " 460 200 " 465		п				
90 " 355   360   100   365   370   370   375   370   375   380   375   380   375   380   375   380   385   3	85	"		350		
95 " 360	90	"				
100	95	ıı ı				
105     "     370       110     "     375       115     "     380       120     Silty Sand w/Rock     385       125     "     390       130     Dark Brown Sand     395       135     "     400       140     "     405       145     "     410       150     Gray w/Rock     415       155     "     420       160     "     425       165     "     430       170     "     435       175     "     440       180     "     445       185     "     450       190     Gray Sand w/Clay     455       195     "     460       200     "     465       205     "     470		"				
110     "     375       115     "     380       120     Silty Sand w/Rock     385       125     "     390       130     Dark Brown Sand     395       135     "     400       140     "     405       145     "     410       150     Gray w/Rock     415       155     "     420       160     "     425       165     "     430       170     "     435       175     "     440       180     "     445       185     "     450       190     Gray Sand w/Clay     455       195     "     460       200     "     465       205     "     470		"				1
115       "       380         120       Silty Sand w/Rock       385         125       "       390         130       Dark Brown Sand       395         135       "       400         140       "       405         145       "       410         150       Gray w/Rock       415         155       "       420         160       "       425         165       "       430         170       "       435         175       "       440         180       "       445         185       "       450         190       Gray Sand w/Clay       455         195       "       460         200       "       465         205       "       470		"				
120     Silty Sand w/Rock     385       125     "     390       130     Dark Brown Sand     395       135     "     400       140     "     405       145     "     410       150     Gray w/Rock     415       155     "     420       160     "     425       165     "     430       170     "     435       175     "     440       180     "     445       185     "     450       190     Gray Sand w/Clay     455       195     "     460       200     "     465       205     "     470		"				
130 Dark Brown Sand 395  135 " 400  140 " 405  145 " 410  150 Gray w/Rock 415  155 " 420  160 " 425  165 " 430  170 " 435  175 " 440  180 " 445  185 " 450  190 Gray Sand w/Clay 455  195 " 460  200 " 465  200 " 465		Silty Sand w/Rock				
130         Dark Brown Sand         395           135         "         400           140         "         405           145         "         410           150         Gray w/Rock         415           155         "         420           160         "         425           165         "         430           170         "         435           175         "         440           180         "         445           185         "         450           190         Gray Sand w/Clay         455           195         "         460           200         "         465           205         "         470		"				
135     "     400       140     "     405       145     "     410       150     Gray w/Rock     415       155     "     420       160     "     425       165     "     430       170     "     435       175     "     440       180     "     445       185     "     450       190     Gray Sand w/Clay     455       195     "     460       200     "     465       205     "     470		Dark Brown Sand				
140     "     405       145     "     410       150     Gray w/Rock     415       155     "     420       160     "     425       165     "     430       170     "     435       175     "     440       180     "     445       185     "     450       190     Gray Sand w/Clay     455       195     "     460       200     "     465       205     "     470						
145     "     410       150     Gray w/Rock     415       155     "     420       160     "     425       165     "     430       170     "     435       175     "     440       180     "     445       185     "     450       190     Gray Sand w/Clay     455       195     "     460       200     "     465       205     "     470		"				
150     Gray w/Rock     415       155     "     420       160     "     425       165     "     430       170     "     435       175     "     440       180     "     445       185     "     450       190     Gray Sand w/Clay     455       195     "     460       200     "     465       205     "     470		п				
155 " 420		Gray w/Rock				
160     "     425       165     "     430       170     "     435       175     "     440       180     "     445       185     "     450       190     Gray Sand w/Clay     455       195     "     460       200     "     465       205     "     470						
165     "     430       170     "     435       175     "     440       180     "     445       185     "     450       190     Gray Sand w/Clay     455       195     "     460       200     "     465       205     "     470		"				
170     "     435       175     "     440       180     "     445       185     "     450       190     Gray Sand w/Clay     455       195     "     460       200     "     465       205     "     470		"				
175     "     440       180     "     445       185     "     450       190     Gray Sand w/Clay     455       195     "     460       200     "     465       205     "     470		ıı ı				
180     "     445       185     "     450       190     Gray Sand w/Clay     455       195     "     460       200     "     465       205     "     470		"				
190 Gray Sand w/Clay 455 195 " 460 200 " 465 205 " 470		п		445		
190     Gray Sand w/Clay     455       195     "     460       200     "     465       205     "     470	185	"		450		
195 " 460 200 " 465 205 " 470		Gray Sand w/Clay				
200 " 465 205 " 470						
205 " 470	200	"				
0.0		п				
<b> </b> 210   "   475	210	"		475		
215 " 480		"				
220 " 485		"				
225 " 490	225	"		490		
230 " 495		"				
235 " 500		"				
240 " 505		"				
245 " 510	245	"				
250 " 515	250	"				
255 " 520	255	"		520		
260 " 525	260	"		525		
265 " 530	265	"		530		
270 " 535	270	"		535		
	275	"		540		
275 " 540	2,3					

1 2 3 4 5	290' 280' 270' 260' 250' 240' 230'	1.9 2.2 2.8 3.5 3.5
3 4 5	270' 260' 250' 240'	2.2 2.8 3.5
4 5	260' 250' 240'	3.5
5	250' 240'	
	240'	3.5
6		
	230'	3.4
7		5.3
8	220'	5.3
9	210'	5
10	190'	3.5
11	180'	3.7
12	170'	3.6
13	160'	3.9
14		
15		
16		
17		
18		
19		
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30		

WATER DEPTH: LOGING VOLTS:

13.8 TOTAL AMPS: 47.6 GB RESISTANCE: 0.289915966

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



