


PANTERRA ENERGY SURFACE CASING CEMENT REPORT

Panterra Energy, LLC 6900 Highway 86 Kiowa CO 80117								
PROJECT NUMBER		pcs17-4-cp		PROJECT LEAD DRILLER		RIG #		HOLE #
PROJECT LOCATION		COFFEYVILLE, KS		SKYLER WILSON		PE: 1002		COF_AC 1
GENERAL CONTRACTOR		PIPELINE CONTROLS AND SERVICES						BIT TYPE(S)
								START DATE
								5/16/2017
								COMPLETION DATE
								6/1/2017
GEOLOGIC LOG	DEPTH	TYPE	GRAIN SIZE	COLOR	WATER Y/N	ADDITIVES	PH	MUD WT
clay	0-40	CLAY	solid	tan		NONE	N/A	N/A
limestone	40-400	FLINT	solid	grey/ black	y			
GPS COORDINATES (UTM)				N: 37.050866		E: -95.613033		
HOLE DIAMETER (IN)	9 7/8"		NOTES:					
TOTAL HOLE DEPTH	400'		CASING COMPLETED AND FILLED WITH 108 BAGS OF CEMENT					
CASING SIZE	10.75"							
CASING HOLE DIAMETER	16"							
CASING HOLE DEPTH	150							
CEMENT CIRCULATED TO SURFACE	YES							
GROUT MATERIAL	PORTLAND CEMENT							
ANODE SIZE	2" x 25							
BOTTOM ANODE DEPTH	400'							
TOP ANODE DEPTH	150'							
# OF BAGS OF COKE BREEZE	200 tagged 2@ 142'							
#OF BAGS OF CEMENT	92 bags of Portland Cement							
WAS VAC TRUCK USED	YES							
EQUIPMENT USED ON SITE	DRILL MAX							
	MUD PUPPY							
	SUPPORT VEHICLES							
	GROUTING RIG							
	PICK UP							
DRILLER'S SIGNATURE VERIFYING THE ACCURACY OF THIS INFORMATION :		Skyler Wilson						
		License #916						