

Form	ACO1 - Well Completion
Operator	Pantera Energy Company
Well Name	MCHARGUE 'A' 5
Doc ID	1709095

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	17.50	13.375	54.5	80	CLASS A	100	1% SMS, 3 % CC, 1/4 #POLY
Surface	12.25	8.625	32	1777	CLASS A	560	25CC, 2% SMS 2% SMS, 2% GYP, 1/4# CELL LAKE
Production	7.875	5.5	17	6298	CLASS C & h	275	.3% C -19, 5% GYP., 4% C-17, 10% SALT, 2#/SK TACTICAL BLITZ



QUASAR ENERGY SERVICES, INC.

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Form 185-2J

12/20/22

CEMENTING JOB LOG

CEMENTING JOB LOG

Company: Pantera Energy Company				Well Name: Mchargue A #5			
Type Job: LONG STRING / Production				AFE #:			
CASING DATA							
Size: 5 1/2		Grade:		Weight: 17			
Casing Depths		Top:		Bottom: 6292.6			
Drill Pipe:		Size: 4 1/2		Weight: 16.6		Depth: 6946'	
Open Hole:		Size: 7 7/8		T.D. (ft):		Hole:	
CEMENT DATA							
Spacer Type:							
Amt.		Sks Yield	0	ft³/sk		Density (PPG)	
LEAD:		Class C: 50/50/8, .3% C-19				Excess	
Amt.	150	Sks Yield	478.5	ft³/sk	3.19	Density (PPG)	10.78
TAIL:		Class H: 50/50/2, 5% Gyp., .4% C-17, 10% Salt, 2#/sk Tactical Blitz				Excess	
Amt.	125	Sks Yield	200	ft³/sk	1.6	Density (PPG)	13.65
WATER:							
Lead:	150	gals/sk:	20	Tail:	125	gals/sk:	7.8
Pump Trucks Used:		04, DP03					
Bulk Equipment:		189, 660-21					
Disp. Fluid Type:		Mud	Amt. (Bbls.)	145.2	Weight (PPG):	9.5	
COMPANY REPRESENTATIVE: Terry				CEMENTER: Daniel Beck			
TIME	PRESSURES PSI			FLUID PUMPED DATA		REMARKS	
AM/PM	Casing	Tubing	ANNULUS	TOTAL	RATE		
13:00						ON LOCATION & SAFETY MEETING	
14:15						RIG UP & WAIT	
19:40						RIG TO CIRCULATE	
20:52						PLUG RAT & MOUSE W/ 50SX	
21:07						RIG TO PT	
21:09						PRESSURE TEST TO 2500PSI	
21:10	500			56.8slurry	7.0	PUMP 100SX LEAD @ 10.7#	
21:20	700			35.6slurry	6.7	PUMP 125SX TAIL @ 13.6#	
21:26						SHUTDOWN / DROP PLUG / WP	
21:32	400			20	6.8	DISPLACE	
	440			40	6.8		
	440			60	6.8		
	440			80	6.8		
	550			100	6.8		
	650			110	6.8		
	850			120	6.5		
	950			130	6.0		
21:53	950			135	5.2	SLOW RATE TO 2.0BPM @ 900PSI	
	900			140	2.0		
21:56	900			145	2.0	LAND PLUG / PRESSURE UP TO 1500PSI	
21:58						RELEASE BACK --- FLOAT HELD	
						JOB COMPLETE	
Company: Pantera Energy Company				Well Name: Mchargue A #5			
Type Job: LONG STRING				AFE #:			
Date: 12/20/2022 CEMENTING JOB LOG				QUASAR ENERGY SERVICES, INC. 185-2			



