

<div>C&J ENERGY SERVICES</div>																					
Customer: HIGHPOINT OPERATING							Date: 9/4/2018									Serv. Supervisor: Sam Cheal					
Cust. Rep.: Dustin Smith							Ticket #: BCO-1809-0018									Serv. Center Brighton - 3021					
Lease: Lion Creek 23-0164B							API Well #: 05-123-47385									County: Weld			State: Colorado		
Well Type: Oil							Rig: Savanna 802									Type of Job: Intermediate Casing					
Materials Furnished by C&J ENERGY SERVICES																					
Plugs				Casing Hardware						Physical Slurry Properties											
										Sacks of Cement	Fluid Dens (lb/gal)	Yield (cuft/sk)	Mix Water (gal/sk)	Fluid Volume (bbbls)	Mix Water (bbbls)						
Spacer - 40 bbl Fresh Water + 400 lbs SAPP				+10.0 PPB CJ890										40.00							
Lead				100 % CJ922 +0.3 % CJ704+0.6 % CJ210K+2.0 % CJ042+0.4 % CJ511+10.0 PPS CJ611C						540	12.5	2.13	11.07	201.33	140						
Tail				+100 % CJ914 +0.2 % CJ704+0.6 % CJ511+0.35 % CIF113161						90	15.8	1.15	4.96	18.50	11						
Displacement														321.90							
Displacement Chemicals:																					
OPEN HOLE DATA				TUBULAR DATA																	
8.75 in. O.H. (1,541 to 8,100 ft)				7 in. 23#, (0 to 8,100 ft)				SIZE WEIGHT	THREAD	DEPTH (ft)	GRADE	ID (in)	BURST (psi)	COLLAPSE (psi)							
								N/A													
								N/A													
PREVIOUS CASING DATA				PERFORATED INTERVAL DATA						CASING EQUIPMENT DEPTHS											
9.625 in. 36# (0 to 1,541 ft)				TOP		BTM		SPF	SIZE	SHOE	FLOAT	STAGE	ACP								
				N/A						8,217ft.	8,171ft.	N/A	N/A								
				N/A																	
WELL FLUID		DISPLACEMENT FLUID				DIFF PRESS (psi)		CSG LIFT (psi)	MAX PRESS (psi)					WATER ON LOC (bbl)							
TYPE	DENSITY	VOLUME	TYPE	DENSITY																	
Mud	10.2 ppg	321.9 bbl	Water	8.3 ppg					2500					800							
Time	Rate (bbl/min)	Csg. Press. (psi)	Tbg. Press (psi)	Ann. Press. (psi)	Stg. Vol. (bbl)	Cum. Vol. (bbl)	Stage Details														
7:00 AM						0	ARRIVE ON LOCATION														
7:05 AM						0	SPOT EQUIPMENT														
7:10 AM						0	RIG UP IRON AND HOSES														
8:30 PM						0	PRE JOB SAFETY MEETING														
8:50 PM	2	400			2	2	LOAD LINES TO TEST														
8:55 PM		3000				2	TEST PUMP AND LINES TO 3,000 PSI														
8:58 PM	6	670			4	40	PUMP PRE-FLUSH (400lbs SAPP)														
9:07 PM	7	1300			201	201	MIX / PUMP LEAD CEMENT @12.5PPG														
9:37 PM	7	1000			18	18	MIX / PUMP TAIL CEMENT @15.8PPG														
9:43 PM		0				18	SHUTDOWN / DROP PLUG														
9:45 PM	7.5	2000			321.9	321.9	DISPLACE WITH FRESH WATER TO BUMP														
10:28 PM		2500					BUMP PLUG														
10:30 PM		2000					CASING TEST 2,000PSI FOR 15MIN.														
10:45 PM		0					CHECK FLOAT														
11:00 PM							RIG OUT														
11:50 PM							AAR / DISCUSS LEAVING LOCATION														
11:59 PM							LEAVE LOCATION														
Left Yard	9/6/18 5:00 PM			Left Loc.		9/6/18 11:59 PM		Start Pump		9/6/18 8:50 PM											
Arrived Loc.	9/6/18 7:00 PM			Returned Yd.		9/7/18 2:00 AM		End Pump		9/6/18 10:45 PM											
Bumped Plug (psi)	Final Differential (psi)	Floats Held (Y/N)	PSI Left on Casing	Cement to Surface (bbl)	Top of Cement (ft)	Full Circ. During Job (Y/N)	Max Pump Pressure (psi)	Casing Rotation	Standby Charged(hrs)												
Yes		Yes	0	0	319ft.	Yes	2600	N/A	None												
								Sam Cheal													
								Service Supervisor Date													

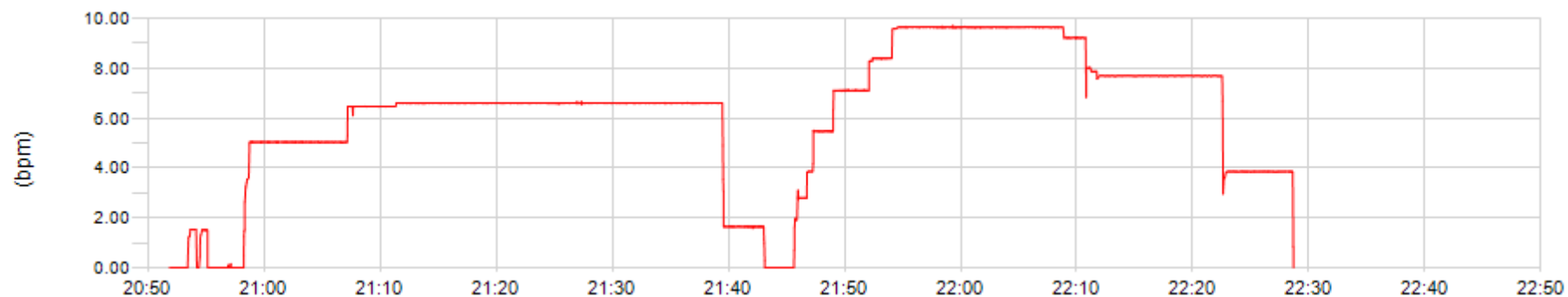


Client High Point Operating
Ticket No. 1809-0018
Location NWNW 23 11N 64W
Comments See job log for details

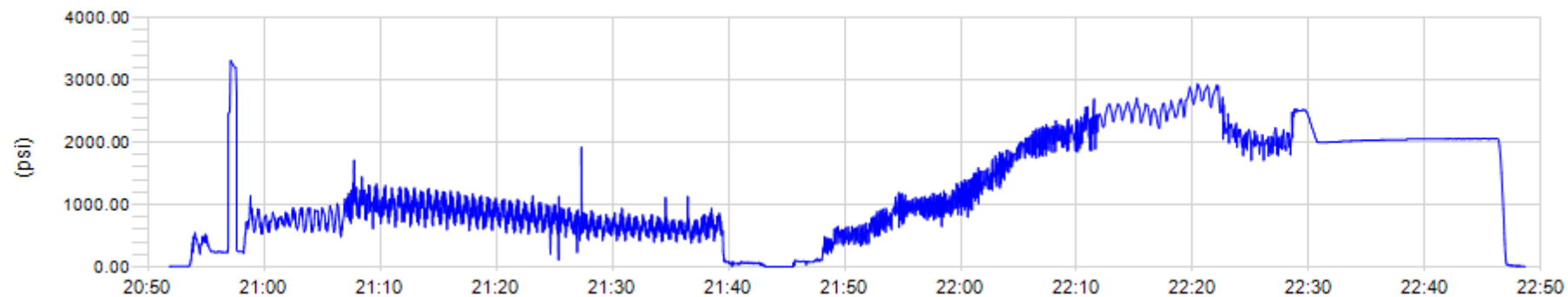
Client Rep Dustin Smith
Well Name Lion Creek 23-0164B
Job Type Intermediate Casing

Supervisor Sam Cheal
Unit No. 445051
Service District Brighton, CO
Job Date 09/06/2018

Unit 445051 Rate Total



Unit 445051 Pump Pressure



Unit 445051 Density

