



Cement Job Log

													
Customer: PDC ENERGY				Date: 1/3/2019				Serv. Supervisor: Sam Cheal					
Cust. Rep.: Jeremy Stolz				Ticket #: BCO-1901-0002				Serv. Center Brighton - 3021					
Lease: Lory 8N				API Well #: 05-123-46854				County: Weld		State: CO			
Well Type: Oil				Rig: Ensign 158				Type of Job: Production Casing					
Materials Furnished by C&J ENERGY SERVICES													
Plugs		Casing Hardware				Physical Slurry Properties							
						Sacks of Cement	Fluid Dens (lb/gal)	Excess	Yield (cuft/sk)	Mix Water (gal/sk)	Fluid Volume (bbls)	Mix Water (bbls)	
20 bbls diesel											20.00		
100 bbls Weighted Spacer - 100 bbls of 12.5ppg		+221.47 PPB CJ300+1.0 PPB CJ209+0.5 PPB CJ776+11.57 PPB CJ801+0.5 GPB CJFCPC25+2.0 GPB CJ885					12.5				100.00		
C&J Non Latex Lead 1-1		50 % CJ914+50 % CJ010-74 +2.0 % CJ020+0.4 % CJ548+0.3 % CJ240+10.0 % CJ041+0.3 % CJX157011				25	14		1.37	5.98	6.08	4	
C&J Latex Lead 1-1		50 % CJ914+50 % CJ010-74 +2.0 % CJ020+0.4 % CJ548+0.3 % CJ240+10.0 % CJ041+0.3 % CJX157011+1.0 GP5 CJ550L+0.2 GP5 CJ891				755	14		1.37	4.71	183.66	85	
C&J Tail 1-1		65 % CJ914+35 % CJ010-74 +0.3 % CJ704+0.15 % CJ210K+0.5 % CJ511				1940	14.5		1.22	5.41	420.05	250	
Displacement											381.84		
65 % CJ914+35 % CJ010-74+0.3 % CJ704+0.15 % CJ210K+0.5 % CJ511													
Displacement Chemicals:													
OPEN HOLE DATA		TUBULAR DATA											
8.5 in. O.H. (1,678 to 17,258 ft)		5.5 in. 20#, (0 to 17,258 ft)		SIZE WEIGHT	THREAD	DEPTH (ft)	GRADE	ID (in)	BURST (psi)	COLLAPSE (psi)			
PREVIOUS CASING DATA		PERFORATED INTERVAL DATA				CASING EQUIPMENT DEPTHS							
9.625 in. 36# (0 to 1,678 ft)		TOP	BTM	SPF	SIZE	SHOE	WSS	STAGE					
						17208	17169	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	10.5 ppg	381.1 bbl	Water	8.3 ppg						1000			
Time	Rate (bbl/min)	Csg. Press. (psi)	Tbg. Press (psi)	Ann. Press. (psi)	Stg. Vol. (bbl)	Cum. Vol. (bbl)	Stage Details						
8:30 PM							0 ARRIVE ON LOCATION						
8:45 PM							0 SPOT EQUIPMENT						
9:30 PM							0 WAIT ON LOCATION						
5:00 AM							0 RIG UP IRON AND HOSES						
5:45 AM							0 MIX LATEX MIX WATER						
8:45 AM							0 PRE JOB SAFETY MEETING						
9:15 AM							0 TEST PUMP AND LINES TO 5,000 PSI						
9:25 AM	8	760			100	100	PUMP WEIGHTED SPACER INTO SCM THEN DOWN HOLE						
9:45 AM	8	900			6	106	MIX / PUMP NON-LATEX LEAD CEMENT @ 14.0PPG						
9:46 AM	9	800			184.2	290.2	MIX / PUMP LATEX LEAD CEMENT @ 14.0PPG						
10:08 AM	9	1000			421.5	711.7	MIX / PUMP TAIL CEMENT @ 14.5PPG						
11:05 AM						711.7	SHUTDOWN / WASH PUMP UNIT / DROP PLUG						
11:12 AM	10	2500			381.1	1092.8	DISPLACE WITH FRESH WATER TO BUMP						
11:57 AM		2800				1092.8	BUMP PLUG						
12:04 PM	2	3800			1.5	1094.3	PRESSURE UP WELL TO OPEN WSS						
12:05 PM	4	1900			5	1099.3	DISPLACE WITH FRESH WATER						
12:07 PM							SHUTDOWN / CHECK FLOATS						
12:15 PM							RIG OUT						
1:00 PM							AAR / DISCUSS LEAVING LOCATION						
2:00 PM							LEAVE LOCATION						
Left Yard	1/2/18 7:30 AM		Left Loc.		1/3/18 2:00 PM		Start Pump		1/3/18 9:25 AM				
Arrived Loc.	1/2/18 8:30 AM		Returned Yd.		1/3/18 3:00 PM		End Pump		1/3/18 12:05 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)	Casing Reciprocation			
		Yes		N/A	2,383ft.	Yes	5,000						
													
							Service Supervisor Date						