


Cement Job Log

												
Customer: PDC ENERGY				Date: 2/7/2019				Serv. Supervisor: Justin Collin				
Cust. Rep.: John Falton				Ticket #: BCO-1902-0025				Serv. Center Brighton - 3021				
Lease: Harold 6Y-304				API Well #: 05-123-45748				County: Weld		State: CO		
Well Type: Oil				Rig: Ensign 161				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)
0												
0												
150 bbls ppg Weighted Spacer - 150 bbls of 12		+10.0 PPB CJ890+222.16 PPB CJ300+1.0 PPB CJ209+0.5 PPB CJX157011+8.1 PPB CJ801					12.5				150.00	
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 GPS CJ550L+0.2 GPS CJ891				1290	14		1.37	4.71	313.80	145
C&J Tail 1-1		65 % CJ914+35 % CJ010-74 +0.3 % CJ704+0.15 % CJ210K+0.5 % CJ511				920	14.5		1.22	5.41	199.20	118
Displacement											262.02	
50 % CJ914+50 % CJ010-74+2.0 % CJ020+0.4												
Displacement Chemicals:												
OPEN HOLE DATA		TUBULAR DATA										
8.5 in. O.H. (2,579 to 11,857 ft)		5.5 in. 20#, (0 to 11,857 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 2,579 ft)		TOP		BTM	SPF	SIZE	SHOE	FLOAT	STAGE	ACP		
WELL FLUID		DISPLACEMENT FLUID			DIFF PRESS (psi)	CSG LIFT (psi)	MAX PRESS (psi)				WATER ON LOC (bbl)	
TYPE	DENSITY	VOLUME	TYPE	DENSITY			3500				1000	
Time	Rate (bbl/min)	Csg. Press. (psi)	Tbg. Press (psi)	Ann. Press. (psi)	Stg. Vol. (bbl)	Cum. Vol. (bbl)	Stage Details					
11:00 AM						0	ARRIVE ON LOCATION					
11:15 AM						0	TAILGATE MEETING					
11:30 AM						0	RIG IN					
1:30 PM						0	SAFETY MEETING					
4:37 PM	2.5	250				3	3 FILL LINES					
4:40 PM		5260				3	PRESSURE TEST					
4:45 PM	3	300			150	153	WEIGHTED SPACER (BARITE 12.5PPG)					
5:13 PM						153	SHUT DOWN					
5:16 PM						153	DROP PLUG					
5:17 PM	5	300			320.9	473.9	1315SX @ 14PPG (1.37 YIELD)					
6:18 PM	5	300			199.9	673.8	920SX @ 14.5PPG (1.22 YIELD)					
7:02 PM						673.8	SHUT DOWN					
7:08 PM						673.8	DROP PLUG/ WASH UP					
7:22 PM	5	100			262	935.8	DISPLACE FRESH WATER					
7:25 PM	7	600				935.8	CAUGHT CEMENT (20BBLs AWAY)					
8:02 PM	5	2674				935.8	SLOW DOWN (20BBLs LEFT)					
8:05 PM	5	3030				935.8	BUMP PLUG					
8:07 PM	1.7	4132			2	937.8	SHIFT WET SHOE SUB					
8:08 PM	4.3	2439			5	942.8	FRESH WATER					
8:14 PM							CHECK FLOATS (2.5BBLs BACK)					
							RIG OUT					
							JOB COMPLETE					
							LEAVE LOCATION					
Left Yard	2/8/19 10:00 AM		Left Loc.	2/8/19 10:30 PM		Start Pump		2/8/19 4:37 PM				
Arrived Loc.	2/8/19 11:00 AM		Returned Yd.			End Pump		2/8/19 8:09 PM				
Bumped Plug (psi)	Final Differential (psi)	Floater 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		Yes		20	Surface	Yes	3500		6			
						<div align="right">Justin Collin</div> <div align="right">Service Supervisor Date</div>						