



Well History

Well Name: NHF 21-9

API 05123209240000		Surface Legal Location NENW 9 5N 63W	Field Name Wattenberg		State CO		Well Configuration Type Vertical	
Ground Elevation (ft) 4,740.00	Original KB Elevation (ft) 4,750.00	KB-Ground Distance (ft) 10.00	Spud Date 12/2/2003 00:00	Rig Release Date 12/6/2003 00:00		On Production Date 2/19/2004		Abandon Date

Daily Operations

Start Date	Summary	End Date
5/15/2017	<p>CREW TO LOCATION</p> <p>IWP TBG- 260 PSI, CSG- 290 PSI, SURFACE CSG- 0 PSI. OPENED WELL TO FLAT TANK TO BLOW DOWN. CONTROLLED WELL W/ 25 BBLS FRESH W/ BIO. FINISHED TRIPPING IN THE HOLE W/ BIT AND SCRAPER. TOTAL TBG IN THE HOLE WAS 210 JTS @ 6525'. R/U RIG PUMP, LOADED TBG AND BACKSIDE, ESTABLISHED CIRCULATION AND ROLLED HOLE CLEAN. DROPPED STANDING VALVE AND PUMPED DOWN TO SN. PRESSURE TESTED TBG TO 3200 PSI. HELD FOR 10 MIN. GOOD TBG TEST. R/U LUBRICATOR AND FISHED STANDING VALVE. POOH L/D 8 JTS TBG ON GROUND. TOO H S/B IN DERRICK 202 JTS TBG. L/D BIT AND SCRAPER. R/U RANGER WIRELINE SERVICES. P/U RIH AND SET 4 1/2" WCT 10K CIBP @ 6450' KB (62' ABOVE TOP NIO PERFS). DUMP BAILED 2 SACKS OF CEMENT ON TOP OF CIBP. R/D WIRELINE. P/U 3.875" CONE BIT, POP OFF BIT SUB AND SN AND TIH OUT OF DERRICK 202 JTS TBG. R/U RIG PUMP, LOADED TBG AND BACKSIDE, ESTABLISHED CIRCULATION AND ROLLED HOLE CLEAN. SHUT PIPE RAMS AND PRESSURE TESTED CSG TO 1000 PSI. HELD FOR 15 MIN. GOOD TEST. RELEASED PRESSURE. POOH L/D ON GROUND 6 JTS TBG. N/D BOPS AND 3K WELL HEAD. N/U 5K FLANGED WELLHEAD AND LANDED TBG AS FOLLOWS:</p> <p>KB- 10'</p> <p>196 JTS 2 3/8" 4.70# J-55 8RD TBG- 6089.86'</p> <p>SN AND POP OFF BIT SUB- 2'</p> <p>TOTAL DEPTH = 6101.86' KB (348' ABOVE CIBP TOP). CHANGED VALVES ON WELL HEAD. CALLED FOR TORQUE AND TEST. SWI, SDFD, CREW TO THE YARD.</p> <p>NOTE THERE WAS 17 GOOD JOINTS AND 3 BAD JOINTS 2 3/8" 4.70# J-55 8 RD TBG FMTD TO PDC INVENTORY.</p>	5/15/2017
5/16/2017	<p>CREW TO LOCATION</p> <p>RIGGED DOWN EQUIPMENT AND MOVED OFF LOCATION.</p>	5/16/2017