



Well History

Well Name: Pat & Mike 6 LL

API 05123244230000	Surface Legal Location NWNE 9 5N 65W	Field Name Wattenberg	State CO	Well Configuration Type Vertical		
Ground Elevation (ft)	Original KB Elevation (ft)	KB-Ground Distance (ft)	Spud Date 4/29/2007 00:00	Rig Release Date 5/6/2007 00:00	On Production Date 5/25/2007	Abandon Date

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Wellbore Integrity, 6/23/2015 12:00						
Job Category Completion/Workover	Primary Job Type Wellbore Integrity	Start Date 6/23/2015	End Date 6/9/2016	Objective Test Tubing, Set RBP, Install 5K WH RTP		

Daily Operations		
Start Date	Summary	End Date
6/23/2015	STP 600 psi, SCP 6psi, not on blow down through production equipment, SSCP 0 psi, MIRU Ensign 313, held safety meeting, RU rig and all equipment, pressure tested hard lines, blew well down to rig tank, control well w/60 bbls Claytreat/Biocide water, function tested BOP's, ND WH, NU BOP, PU tag jts, TIH w/ 11 jts, tagged @ 7085.24' (CIBP), LD tag jts, POOH w/production tbg to derrick w/ 215 jts 2 3/8" J-55 EUE 8rd tbg, no subs, sn/nc, tbg was landed at 6,763.65' KB, SI and isolate well, shut and locked blind rams on BOP's, drained lines and pump, prepared for next day operations, SDFN	6/23/2015
6/24/2015	SCP 0 psi, SSCP 0 psi, held safety meeting, opened well to rig tank, held safety meeting, RU Pick Testers, PU STS bit and scraper dressed for 4 1/2" 11.6# casing, TIH w/production tbg testing to 6000 psi, found nojs w/ hole, no bent, no bad pin, no crimped jts, all jts tested good, RD tester, RU circulation equipment, rolled jole clea, LD circulation equipment, LD 1 jts, TOO H standing back w/214 jts tubing to derrick,PU STS's 4 1/2" WLTC RBP, TIH w/production tbg, set RBP at 6,720.25' KB and tools w/ 10' out on jt#214 (48.75' above top of Niobrara formation), LD 1 jt, circulated oil and gas out, pressure tested csg/RBP to 2000 psi, test good, POOH LD w/4 jts spotted 2 sks of sand, LD 5 more jts onto ground, LD a total of 11 jts onto ground, Landed well w/ 204 jts 2 3/8" tubing @ 6,406.21'. installed 5K WH. SI and isolate well, drained lines and pump, racked pump and tank, RDMOL Note: The 11 jts of tubing will be FMT'd to PDC inventory and placed on good 2 3/8" rack in ATP's yard.	6/24/2015
6/7/2016	MIRU ENSIGN 354. SPOT IN EQUIPMENT. HELD SAFETY MEETING. RU. RU PUMP AND TANK. ITP 0-PSI. ICP 0-PSI. ISCP 0-PSI. OPEN WELL. ND WH. NU BOPS. PU 10 JTS AND TAGGED FILL AT 6705'. RU CIRCULATING EQUIPMENT. LOAD TBG/CSG AND ESTABLISH CIRCULATION. CLEAN OUT SAND FROM 6705' TO RBP AT 6720' . CIRCULATE WELL CLEAN. DROP STANDING VALVE AND PRESSURE TESTED TUBING TO 2000# PSI. HELD PRESSURE GOOD FOR 10 MINUTES. BLEED OFF PRESSURE. RU LUBRICATOR AND FISH OUT STANDING VALVE. RELEASE RBP AND TOO H STANDING BACK 214 JTS 2 3/8", LD RBP. PU 3 5/8" CONE BIT/ BIT SUB AND TIH W/ 214 JTS. HANG TUBING ABOVE THE PERFS FOR THE NIGHT. SWI. SDFN. CREW TO YARD.	6/7/2016



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Daily Operations

Start Date	Summary	End Date
6/8/2016	<p>CREW ON LOCATION. HELD SAFETY MEETING. ITP 0-PSI. ICP 0-PSI. ISCP 0-PSI. OPEN WELL. PU 9 JTS AND TAGGED CIBP AT 7070' W/225 JTS RU POWERSWIVEL. RU CIRCULATING EQUIPMENT. LOAD TBG/CSG AND ESTABLISH CIRCULATION. DRILL OUT CIBP AND PUSHED DOWN TO 7200' KB W/ 230 JTS. CIRCULATE WELL CLEAN. RD POWERSWIVEL. LD 5 JTS AND TOOH STANDING 225 JTS, LD CONE BIT. PU SNNC AND TIH W/ 225 JTS. LAND WELL AT 7095.75' KB. RU LUBRICATOR AND BROACH TUBING TO SN W/ 1.90' BROACH. RD LUBRICATOR. ND BOPS. NU WH. SWABB WELL BACK. MADE 8 RUNS AND RECOVERED 60 BBLS FLUID. SWI. SDFN. CREW TO YARD. . CREW TO YARD.</p> <p>LANDED TUBING AS FOLLOWS;</p> <p>KB= 10.00' 225 JTS 2 3/8", 4.7#, J-55, 8RD TBG= 7084.15' TOTAL LANDED DEPTH= 7095.75' KB.</p> <p>NOTE: FMTD 21 JTS 2 3/8", 4.7#, J-55, 8RD TBG FROM PDC INVENTORY/ATP YARD TO WELL</p>	6/8/2016
6/9/2016	<p>CREW ON LOCATION., HELD SAFETY MEETING. ITP 0-PSI. ICP 0-PSI. ISCP 0-PSI. OPEN WELL. RU LUBRICATOR AND SWABB WELL. MADE 8 RUNS AND RECOVERED 50 BBLS FLUID. SWI. SITP 0-PSI. SICP 100-PSI. RACK UP PUMP AND TANK. RDMO. CLEAN UP LOCATION MOVE RIG TO NEXT LOCATION.</p>	6/9/2016