



# Well History

Well Name: Skurich 43-7

API 05123200440000		Surface Legal Location NESE 7 5N 63W		Field Name Wattenberg		State CO		Well Configuration Type Vertical	
Ground Elevation (ft) 4,676.00	Original KB Elevation (ft) 4,686.00	KB-Ground Distance (ft) 10.00	Spud Date 9/17/2000 16:45	Rig Release Date 9/22/2000 23:00	On Production Date 10/20/2000	Abandon Date			

Daily Operations		
Start Date	Summary	End Date
12/18/2010	ICP-40 psi, blow well down to RT, MI&RU Pick Testers, PU 3 7/8" blade bit w/ 4 1/2" 10.5# casing scraper. TIH testing 2 3/8" production tubing to 6K psi, tested 184 jts, testers tools parted below cable head swivel, tools fell to bottom. TOOH to derrick and retrieve tools. PU RMOR 4 1/2" 10.5# 10K WLTC RBP, TIH 184 jts, PU new tester tools and finish testing production string, tested 218 jts, all tubing tested good, RD tester and release. Lay down 4 jts, set RBP @ 6,623.12' KB w/214 jts, lay down 1 jt, circulate oil and gas out, pressure test casing to 1,700 psi f/ 10 minutes, good test. Pull 10 stands to derrick, dump 2 sacks sand and displace w/ 20 bbls. TOOH to derrick and lay tools down. SI well and secure, prepare for next day operations. SDFN.	12/18/2010
12/19/2010	ICP-0 psi, ND BOP & tubing head, unpack casing head and pull 4 1/2" casing slips out @74K lbs. Work casing 0-100K lbs, had 12" of stretch=1,198' of free pipe (Est. TOC @ 2,930'). Flange up annular flanges, Change over to 1 1/4" equipment, PU 1 1/4" mule shoe, TIH tallying and PU 1 1/4" 3.02# P-110 CSHD. Tagged fill @1,220.60' KB w/39 jts. RU circulation equipment and break circulation, lost circulation after circulating f/ 10 minutes and was unable to work pipe down hole, release pressure and lay down tubing swivel, pull EOT into surface casing and break circulation, got back alot of dehydrated mud in the returns. Circulate down tagging something solid @438' KB w/14 jts (51' below surface), circulate, rotate and work pipe to get through, lay down tubing swivel, continue TIH PU tubing, tagged fill @1,314.24' KB w/42 jts. Break circulation, circulate, rotate and work pipe for 3 hrs, unable to make hole. Lay down tubing swivel, TOOH laying down 1 1/4" CSHD (Will not annular fill at this time). SI well and secure, drain pump and lines, SDFN.	12/19/2010
12/20/2010	ICP-0 psi, ND annular flanges and reland casing in slips @74K lbs. Pack casing head off, NU tubing head and BOP. PU RMOR 4 1/2" 11.6# WLTC retrieving head, TIH out of derrick, tag sand fill above RBP @6,607.90' KB w/ 214 jts, RU circulating equipment and break circulation, wash sand off plug, circulate tubing clean. Release RBP, TOOH laying down 214 jts 2 3/8" production tubing on sills, lay down tools. MI&RU Superior Well Service. PU 3 1/8" CCL and 3 1/8" slick gun. Correlate open hole loggs and cased hole loggs to get on depth, perforate Codell f/6,736'-6,744" (8') 3spf, 60 degree phasing, 19 gram shots, .41" entry hole and 21.12" penetration, RD and release wireline. Change over to 2 7/8" equipment, prepare for next day operations, SI well and secure, SDFN.	12/20/2010
12/21/2010	ICP-0 psi, MI&RU Pick Testers, PU RMOR 4 1/2" 10.5# 10K AS1 casing packer, test packer to 8 K psi, good test. TIH tallying and PU 2 7/8" N-80 6.5# EUE 8rd frac string (#301), tested 212jts, had 2 collar leaks, all other tubing tested good. Set packer w/ BOP on WH @ 6,586.13' KB (149.87' above top Codell perf) W/ 212 jts, test packer to 1,500 psi, good test-no comunication. Install Halliburton 3" 15K frac valve, SI well and secure,SDFN.	12/21/2010
12/27/2010	ITP-0 psi, ICP-0 psi, MI&RU Lightning Wire Line Services, run in hole w/1.25" weight bar, tagged sand fill @6,801' KB,55' below bottom Codell perf, 136' of fill to clean out of RH. RD and release wire line. Load tubing w/15 bbls, casing was loaded, ND frac valve, release casing packer and TOOH to derrick w/212 jts, lay down tools. PU 2 3/8" nc/sn w/2 3/8" x 2 7/8" x-o. TIH out of derrick w/212 jts, PU tag jts and tag fill @6,810.63' KB w/220 jts. RU circulating equipment and break circulation, clean out to PBTD @ 6,951.09' KB w/224 jts. Circulate tubing clean and lay down 22 jts, TOOH to derrick w/ 202 jts, lay down nc/sn, SI well and secure, SDFN.	12/27/2010
12/28/2010	ICP-70 psi, blow well down to RT, MI&RU Superior Well Services, NU pack off, PU 3 1/8" CCL w/ Owens 4 1/2" 10K WLS CIBP, set CIBP @6,697' w/ 2 sks cement on top, pressure test CIBP to 1,500 psi f/10 minutes, good test. PU 3 1/8" CCL w/ 3 1/8" select fire guns. Correlate open hole loggs w/ cased hole loggs, perforate Niobrara "B" f/6,568'-6576' 3spf 24 shots, Niobrara "A" f/6,463'-6,465' 2 spf 120 degree phasing w/ 3 1/8" slick gun, "HERO" charges, 21 grams, .41" hole & 37.97" penetration, RD and release Superior. MI&RU Pick Testers, PU 4 1/2" 10.5 lb 10 K AS1 casing packer and test to 8 K psi,good test. TIH out of derrick w/202 jts 2 7/8" N-80 6.5 lb eue 8rd tubing (WS 301), tested 202 jts, all tubing tested good. RD and release Pick Testers. ND BOP and set packer @6,266.20' w/202 jts w/ tools and KB. Pack tubing head off, both sides were loaded, test packer to 2500 psi, good test. Install Halliburton 3" 15 K frac valve, SI well and secure, RD&MO, SDFN.	12/28/2010
12/31/2010	Niobrara ReComplete: MIRU HES. Well took 20 bbls to load. (Break 3631 psi @ 2.4 BPM) Pumped 44 bbls to test packer. Pumped 24 bbls of 15% acid. Pumped 119 bbls FE-1A Pad, 1548 bbls of Slickwater pad, 144 bbls of 22# pHaser pad, 167 bbls of 1.0 ppg 30/50 slurry with 22# pHaser, 786 bbls of 2.0 ppg 30/50 slurry with 22# pHaser, 836 bbls of 3.0 ppg 30/50 slurry with 22# pHaser, 351 bbls of 4.0 ppg slurry with 22# pHaser, 75 bbls of 4.0 ppg SB Excel slurry with 22# pHaser. Flushed well to top of the Niobrara B perf (41.0 bbls) Shutdown (ISDP 3394 psi) (FG .95). Fluid contained the following chemicals: 0.6 gpt CL-23, 0.4 gpt BA-20, 1.5 gpt GasPerm 1100, 1.25 gpt Clayfix III, 1.0- 3.0 gpt Vicon NF, 0.15 - .75 gpt CAT 3, 2.0 gpt FR-66, 22 ppt WG-18 (238120 lbs 30/50) (12000 lbs 20/40 SB Excel). RD HES. MTP = 7301 psi, ATP = 6180 psi, AIR = 25.2 bpm. Pressure response was flat yet tight for entire treatment. Treatment went good. Pumped down 2 7/8" N-80 Tubing with the packer set at 6266'. No signs of collar leaks.	12/31/2010
1/17/2011	STP 400 psi open flowing to sales, SCP 0 psi, SSCP 0 psi, MIRU Bayou rig #001, blew well down to FBT tank, control well w/25 bbls Claytreat/Biocide water, ND WH, NU BOP, release PKR, circulated oil and gas out, POOH laying down 202 jts 2 7/8" 6.5# N-80 EUE 8rd and PKR, chg tools over to 2 3/8", PU 3 7/8" cone bit/bit sub, TIH picking up tallying previously tested 2 3/8" production tbg, 180 jts in at 5600' KB and tools, isolate well, SDFN.	1/17/2011
1/18/2011	STP 400 psi, SCP 340 psi, SSCP 0 psi, blew well down to rig tank, control well w/30 bbls Claytreat/Biocide water, continue TIH picking up tallying previously tested 2 3/8" production tbg, tagged fill at 6610' KB and tools w/214 jts, RU to clean out and drill up cmt and CIBP, broke circulation, circulated down drilling cmt tagging CIBP at 6698' KB w/219 jts, drilled up CIBP and chased to 6937' (PBTD), rolled hole clean, rack back power swivle, POOH to derrick w/tbg, LD tools, PU standard 2 3/8" sn/nc, TIH w/production tbg, ND BOP, land tbg in WH at 6722' KB w/217 jts, NU WH, dropped new PCS full port standing valve and chased to seatnipple w/1.901" broach, isolate well, RDMO.	1/18/2011