



# Well History

Well Name: Roth 5

API 05123243640000		Surface Legal Location SENW 30 6N 64W		Field Name Wattenberg		State CO		Well Configuration Type Vertical	
Ground Elevation (ft)		Original KB Elevation (ft)		KB-Ground Distance (ft)		Spud Date 3/1/2007 00:00		Rig Release Date	
						On Production Date		Abandon Date	

### Daily Operations

Start Date	Summary	End Date
1/4/2008	SIWP=0#. RIH w/ PKR, tried but couldn't get it to reset. Worked it up hole, got it to set but it wouldn't hold pressure. POH w/ tbg, c/o PKR & RIH. Set the PKR w/ 215-jts @ 6793' MD. ND the BOPs, NU the WH & loaded the hole. RU Anytime Testing, pressure tested the csg to 3k for 15-min (good test) & pressure tested the CIBPs to 5k (failed). RD Anytime Testing, ND the WH & NU the BOPs. Released the PKR & laid down 34-jts. Secured the well, drain the hard lines & SDON.	1/4/2008
1/5/2008	SIWP=0#. TOH w/ remaining tbg laying down, ND the BOPs & NU 10k Halliburton frac valve. RU J-W Wireline, dump bail 2sx cmt on to of CIBP (est TOC @ 6825' WD) & RD EWL. Secure the well & SDOW.	1/5/2008
1/7/2008	SIWP=0#. RU Anytime Testing, press test csg to 5k for 5-min (good test) RD tester. RU J-W Wireline, made up a 3 1/8"x 14' slick gun w/ selective fire & RIH. Ran a csg collar strip & correlated w/ the J-W CMT Bond / CCL / Gamma Ray log. Perforated the Nio @ 6802'-6804', 6784'-6790' & 6774'-6780'. Made up a 3 1/8"x 32' slick gun, RIH & perforated @ 6700'-6732'. Made up a 3 1/8"x 20' slick gun, RIH & perforated @ 6580'-6600'. All shots were 6-jspf, 60 deg phasing, 23 gram, 20.45" penetration, .42" entry (396-perfs) RD EWL. RDPU, pump, rig tank & MO equip. Spot, fill & heat frac tanks for frac.	1/7/2008
1/9/2008	MI & RU Halliburton Services. Load well bore w/ 6.5 bbls & break Codell formation at 3132# @ 2.9 bpm & displace 520 gal 15% HCL to the perforations. ISIP=3025#, 5-min=2189# (.893 IFG). Stimulate the Niobrara formation w/ 238.3 bbls FDP Pre-Pad, 1429.8 bbls of cross linked FR, 2332.2 bbls of Silverstim fluids. 235,380# of Ottawa 30/50 sand & 9,684# of SB Excel sand. Press: max/min/avg 4756/4192/4361, Rate: max/min/avg 51.2/49.8/49.9 Average temp=60.6 degs, Average viscosity=24.3 cp. ISIP=3433, 5-min=3346# (.955 IFG). Start well on flow back w/ a 20/64th choke @ 10:30 am. SIP=3150#, FP=3050#, RDMO Halliburton.	1/9/2008
2/4/2008	Well has flowed back 940 bbls of water, 30 bbls of oil & was put on line 01/10/08 @ 9:00 am w/ 790#. MI, RUPU & equip. FWP=240#, bled down & kill well w/ 90 bbls 2% KCL. ND frac valve, NU x-over flange & the BOPs. RU H-S testing, made up prod equip & TIH w/ tbg hydro testing to 7000#. Tag TOF w/ 215-jts @ 6782' MD, RD H-S. Secured the well, drained the hard lines & SDON.	2/4/2008
2/5/2008	PSI 180/10 Blow well Dwn controled with 20bbls Dwn TBG. Pick up 8 jts .RU JU head tag up 215 Jts. C/O to 6846.58' w/ 217 jts. Circulate clean RD JU head L/D 9 Jts. ND BOP Land with 208 jts @ 6571.10'. Broach well to SN. Made 2 swab runs 1st tagged fluid @ 2500' swabbed back 8.75bbls. 2nd run 7bbls. made 3 more swab runs swabbed back 21bbls total of 29.75bbls. Pick up Location. Drain and rack up pump. RDMO	2/5/2008

### Completion, 12/28/2007 00:00

Job Category Wellwork	Primary Job Type Completion	Start Date 12/28/2007	End Date	Objective Complete Niobrara A, B & C
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### Daily Operations

Start Date	Summary	End Date

### Tubing Repair, 10/20/2014 12:00

Job Category Completion/Workover	Primary Job Type Tubing Repair	Start Date 10/20/2014	End Date	Objective Find and replace bad tubing.
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### Daily Operations

Start Date	Summary	End Date
10/20/2014	ITP- 750, ICP-1000, ISCP-0. Held safety meeting. MIRU Bayou rig 004. RU pump lines to well head and pressure tested lines to 1,500 psi.. Good test. Opened up well and blew down to RT. Controlled the well w/60 bbls. Of 2% claytreat/biocide water. Function tested BOPE. ND production tree and well head. NU BOP. PU 4 tag jts. and did not tag. LD tag jts. and POOH tallying to the derrick w/208 jts. of 2 3/8" 4.7# J-55 EUE prd. tbg.. Shut in and secured the well for the night.	10/20/2014
10/21/2014	No tbg, ICP-400, ISCP-0. Held safety meeting. Open up well and blew down to RT. MIRU Pick Testers. PU new notch collar and seat nipple (ID=1.701") from WB Supply. TIH testing to 6,000 psi., found 3 jts. w/holes. Bad jts. were replaced. RD tester and landed the well 11.46' above top Nio perf (Codell was abandoned in 2008) @ 6,568.64' W/208 jts. of 2 3/8" 4.7# J-55 EUE prd. tbg., NC/SN - 1.6' and 8' adj. KB. ND BOP and NU well head. RU sand line, lubricator and pack off to master vavle. RIH w/1.901" broach and broached to seat nipple. POOH and RD lubricator and pack off. RDMOL.  Note: Gave bad tubing to land owner.	10/21/2014

### WBI - Plug Set Other Operator, 12/20/2021 06:00

Job Category Completion/Workover	Primary Job Type WBI - Plug Set Other Operator	Start Date 12/20/2021	End Date 12/21/2021	Objective PULL TBG, RUN BIT AND SCRAPER, SET PLUG ABOVE PERFS, LAND TBG 300' ABOVE PLUG, MIT WELL AND TORQUE AND TEST
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### Daily Operations

Start Date	Summary	End Date
12/20/2021	CREW TRAVEL, REVIEW RIG JSA AND MORNING SAFETY MEETING. ROAD RIG AND EQUIPMENT TO PAD, SPOT CONTAINMENTS, MIRU RIG 313 AND ALL SUPPORTING EQUIPMENT. ALL AMERICAN SERVICES RIGGED UP 12/17/21 WITH ITP 300, ICP 350 IBHP 0PSI. BLED DOWN AND BURN GAS TO 7AM TODAY. WE TIED IN WITH PRESSURES AT SITP 200, SICP 200, SIBHP 0. CONTROLLED WELL WITH 90BBLs. GET BOPE READY AND FUNCTION TEST. ND 5K PRODUCTION TREE, NU BOPE, RU FLOOR AND HANDLING EQUIPMENT. UN-LAND HANGER WITH 2 3/8" TBG, TALLY AND TOOH 208JTS TO DERRICK. (208JNTS OF 2 3/8" 4.7# J55 TOTAL FOR WELL). MAKE UP STS 3 7/8" BIT/SCRAPPER, RIH TO 6560' (208JNTS). LAY DOWN 4 JNTS, TOOH WITH 204JNTS TO DERRICK. MIRU RANGER WIRELINE, MAKE UP 10K 4 1/2" CIBP, RIH CORRELATE AND SET AT 6530' (50' ABOVE TOP PERF). PICK UP BAILER, MIX 2SXS OF CEMENT, RIH AND DUMP BAIL ON TOP OF PLUG. POOH AND RIG DOWN RANGER WL. REPLACE NEW 5K BALON VALVES AND 2" NIPPLES. TIE IN RIG PUMP, PRESSURE TEST 4 1/2" 11.5# CSG AND CIBP TO 2000PSI (GOOD TEST). BLED OFF PRESSURE, WRAP WELL UP AND DRAIN EQUIPMENT. SECURE WELL AND PAD, SDFN, CREW TRAVEL.	12/20/2021



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## Daily Operations

Start Date	Summary	End Date
12/21/2021	<p>CREW TRAVEL, REVIEW RIG JSA AND MORNING SAFETY MEETING. CHECK PRESSURES SICP 0, SIBHP 0. FUNCTION TEST BOPE AND OPEN BLIND RAMS. MAKE UP NC/SN TO 2 3/8" TBG, RIH WITH 203 JNTS, CIRCULATE WELLBORE. MIRU PICK TESTER, PERFORM MIT AND CHART 506 PSI FOR 15MIN WITH 0 PRESSURE LOSS. LAY DOWN 6 JNTS, INSTALL HANGER AND LAND TBG. LANDED WITH 197 JNTS OF 2 3/8" 4.7# J-55 8RD EUE AT 6221.66' WITH 10'/KB (308.34' ABOVE CIBP). RD FLOOR, ND BOPE, INSTALL 5K PRODUCTION FLANGE WITH NEW 5K MASTER VALVE AND SECURE. RIG DOWN RIG 313, RACK OUT PUMP AND TANK, REPLACE FENCE AROUND WELL, PICK UP PAD AND ROAD EQUIPMENT OFF LOCATION. MIRU PICK TESTER, TORQUE AND TEST.</p> <p>TUBING DETAIL  KB 10'  HANGER .60'  197 JNTS 2 3/8" 6209.56'  NC/SN 1.50  LANDED @ 6221.66' (308.34' ABOVE CIBP)</p> <p>11 JNTS OF 2 3/8" 4.7# J-55 8RD EUE SENT TO RMI</p>	12/21/2021