



# Well History

Well Name: Anderson 42-10

API 05123248190000	Surface Legal Location SENE 10 6N 66W	Field Name Eaton	State CO	Well Configuration Type Vertical		
Ground Elevation (ft) 4,860.00	Original KB Elevation (ft) 4,870.00	KB-Ground Distance (ft) 10.00	Spud Date 3/16/2007 00:00	Rig Release Date 3/21/2007 00:00	On Production Date 4/30/2007	Abandon Date

**Job**

**Drilling - original, 3/16/2007 00:00**

Job Category Drilling	Primary Job Type Drilling - original	Start Date 3/16/2007	End Date 3/22/2007	Objective Drill a new codell/Niobrara well
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**Daily Operations**

Start Date	Summary	End Date

**Initial Completion, 3/26/2007 00:00**

Job Category Completion/Workover	Primary Job Type Initial Completion	Start Date 3/26/2007	End Date 4/13/2007	Objective complete a codell/niobrara well
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**Daily Operations**

Start Date	Summary	End Date
4/12/2007	L&L Rig: TIH with 2 3/8" tubing, bit sub and 3 7/8" blade bit. Tag sand @ 7146.94' KB. Pick up power swivel and circulated down to frac plug (7211.73').	
4/13/2007	Drill out frac plug. Continue TIH. Tag sand @ 7390.60' KB. Drill and circulate to PBTD (7463.11'). TOOH with tubing and lay down bit. TIH with 2 3/8" tubing and NC, SN. Tubing is landed @ 7313.75' KB with 239 jts. ND BOP and NU wellhead.	

**Re-Frac, 2/27/2012 14:00**

Job Category Completion/Workover	Primary Job Type Re-Frac	Start Date 2/27/2012	End Date 3/21/2012	Objective Re-frac codell & niobrara
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**Daily Operations**

Start Date	Summary	End Date
2/27/2012	ITP-100, ICP-100, ISCP-0, MIRU Basic 1557. Blow down to RT and control w/40 bbls of 2% claytreat/biocide water. ND production equipment and NU BOP. Drain lines and shut in for the night.	2/28/2012
2/28/2012	ITP-0, ICP-100, ISCP-0, blow down to RT and control w/20 bbls of 2% claytreat/biocide water. PU tag joints tagging fill @ 7,474.56 w/12' out on tag jt. #5. LD tag jts.. POOH and tally 239 jts. of 2 3/8" 4.7# J-55 EUE 8rd. prod. tbg. to the derrick. PU RMOR's 3 7/8" blade bit and scraper dressed for 4 1/2" 10.5# casing. MIRU Pick testers. TIH hydrotesting 239 jts. of prod. tbg. to 6000 psi. 1 joint had a bad pin. RD Pick testers and LD 1 bad jt. and 6 good jts.. POOH to derrick 232 jts.. LD bit and scraper and ND BOP. Swapped out 3 K well head w/5 K well head and NU BOP. Drain lines and shut in for the night.	2/28/2012
2/29/2012	No pressure @ WH. PU RMOR's RBP for 4 1/2" 10.5# casing. TIH w/232 jts. of 2 3/8" prod. tbg. setting RBP @ 7,107.16' w/232 jts.-7,099.66', tools and KB. LD 1 jt. and ND BOP and NU master valve. RU circulation equipment to master valve and reverse circulate hole clean of oil and gas. RD circulation equipment. MIRU Pick testers and pressure tested casing to 5000 psi. for 15 min.. RD Pick Testers. ND master valve and NU BOP. PU 1 jt. and latch onto RBP, released RBP. POOH to the ground w/232 jts., leaving 239 jts. on the ground. MIRU Superior Well Service and RIH w/3 1/8" slickgun, correlated cased/open logs getting on correct depth, re-perforated Codell 7,325'-7,333', 3 spf (24 new holes), 120 degree phasing, 19 gram charges, .41" entry holes w/21.28" penetration, all shots fired, RD e-line. ND BOP and swap out 5 k well head w/3 k well head, NU BOP. Drain lines and shut in for the night.	2/29/2012
3/1/2012	No pressures @ WH. MIRU Pick testers. PU RMOR's Arrowset packer. TIH, tally, and Hydrotest 10 jts. of 2 3/8" N-80 and 223 jts. of 2 7/8" N-80. RD Pick Testers. Set packer, and landed @ 7,246.10' w/tools and KB. ND BOP and NU Halliburton frac valve. Drain lines and shut in for now.  Note: Well is ready for Codell Frac	3/1/2012
3/7/2012	Codell ReFrac: MIRU HES. Well took 25 bbls to load. (Break 2828 psi @ 3.8 BPM), Pumped 33 bbl cla-web load and break, Pumped 119 bbls of FE-1A pad, 795 bbls of 26# pHaser pad, 191 bbls of 1.0 ppg 20/40 slurry with 26# pHaser, 524 bbls of 2.0 ppg 20/40 slurry with 26# pHaser, 928 bbls of 3.0 ppg 20/40 slurry with 26# pHaser, 260 bbls of 4.0 ppg 20/40 slurry with 26# pHaser, 48 bbls of 4.0 ppg SB Excel slurry with 26# pHaser. Flushed well to top of the Codell perf (43.2 bbls) Shutdown (ISDP 4000 psi) (FG .98) Fluid contained the following chemicals: .30 gpt be-7, .6 gpt CL-23, .5 gpt BA-20, 1.5 gpt GasPerm 1100, .5 gpt Cla-web, 3.0 - 5.0 gpt Vicon NF, 0.25 - .75 gpt CAT 3, 6.0 gpt LG-6 1.0 gpt Losurf-100, FE-1A @ 20 gpt (217480 lbs Preferred Rock 20/40) (8000 lbs 20/40 SB Excel). RD HES. MTP = 7401 psi, ATP = 5346 psi, AIR = 17.8 bpm. Pressure response was slightly positive for entire treatment. Ran extra 200 bbl of phaser pad due to chemical issues.	3/7/2012
3/8/2012	ITP-0, ICP-0, ISCP-0. MIRU Basic rig #1557. RU circulation equipment to frac valve and controled well w/40 bbls of 2% claytreat/biocide. ND frac valve and NU BOP. Released packer and LD 10 jts. to the trailer and RU circ. equip.. Break circulation and reverse circulated oil and gas out. RD circ. equip. and POOH 223 jts. to the trailer. MIRU Superior Well Service. RIH w/RMOR's 10 k flow thru plug and 3 1/8" slickgun, correlated cased/open logs getting on correct depth, setting plug @ 7,235'. Pulled up hole reperfornated Niobrara B @ 7,153'-7,161'. Pulled up hole and reperfornated Niobrara A @ 7,029'-7,031'. POOH and RD Superior Well Services. RDMO Basic rig #1557.  Note: Well is ready for Nio refrac.	3/8/2012
3/9/2012	MIRU HES. Niobrara Refrac, Well loaded with 11 bbl. (Break 4966 psi @ 5.3 BPM) Pumped 24 bbl 15% HCL, 118 bbls of Active pad, Pumped 900 bbls of Slickwater pad, 701 bbls of 24# pHaser pad, 151 bbls of 1.1 ppg 20/40 slurry with 24# pHaser, 749 bbls of 2.1 ppg 20/40 slurry with 24# pHaser, 807 bbls of 3.1 ppg 20/40 slurry with 24# pHaser, 325 bbls of 4.1 ppg 20/40 slurry with 24# pHaser, 56 bbls of 4.1 ppg SB Excel 20/40 slurry with 24# pHaser. Flushed well to top of the Niobrara B perf (114.1 bbls) Shutdown (ISDP 4067 psi) (FG 1.01). Fluid contained the following chemicals: .6 gpt CL-23, 1.0 gpt BA-20, 2.0 gpt GasPerm 1100, 1.25 gpt Clayfix III, 0.5 - 3.0 gpt Vicon NF, 0.15 - .75 gpt CAT 3, 2.0 gpt FR-66, 22 ppt WG-18 1.0 gpt Losurf-100 (238980 lbs 20/40 Preferred Rock) (12000 20/40 SB Excel). RD HES. MTP = 5250 psi, ATP = 4780 psi, AIR = 40.1 bpm. Pressure response was negative for entire treatment.	3/9/2012
3/19/2012	ICP-45, ISCP-0. MIRU Bayou rig 1. RU circ. equip to master valve. Blow well down to FBT. Control w/30 bbls. of 2% claytreat/biocide. RD circ. equip.. ND frac valve and NU BOP. Drain lines and shut in for the night.	3/19/2012



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### Daily Operations

Start Date	Summary	End Date
3/20/2012	ITP- no tubing, ICP-100 psi, blow well down to FBT, controll well w/20 bbls clay treat w/biocide, TIH w/ 235 jts. of 2 3/8" J-55 *rd EUE production tubing, tagged sand fill @ 7,176.39' w/10' in on jt. #235, RU circulation equipment, broke circulation, washed down tagging plug @ 7,235' KB w/6' in on jt. #237, RU power swivel, break circulation and drilled out plug and push it down tagging sand fill below Codell @ 7,433.6' KB w/10' in on jt. #243, wash and push plug down to 7,457.08' KB w/243 jts. Circulate hole clean, RD power swivel and lay down 5 jts. TOOH to derrick w/ 238 jts, lay down tools, PU 2 3/8" NC/SN. TIH out of derrick w/ 138 jts, leaving EOT @ 4,233.03'. Drain lines and shut in for the night.	3/20/2012
3/21/2012	ITP-300, ICP-400, ISCP-0, blow down to FBT and control well w/30 bbls. of 2% claytreat/biocide. TIH w/100 jts. of 2 3/8" 4.7# J-55 EUE tubing. Landing tubing 13.27' above Codell perfs @ 7,312.73' w/238 jts.-7,279.13', 3 subs (10',8',6')=24', NC/SN-1.6', and 8' adj. KB.. ND BOP and NU master valve. RU broach and broached to seat nipple w/1.901" broache.. RDMOL.	3/21/2012

### Wireline, 3/7/2018 12:00

Job Category Other	Primary Job Type Wireline	Start Date 3/7/2018	End Date 3/7/2018	Objective FISH ALL TOOLS
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### Daily Operations

Start Date	Summary	End Date
3/7/2018	RIHW 2" JUC TO FISH PLUNGER @ 7297, FISH SV @ 7298, RIHW 1.5" BLIND BOX, TAG 7442.	3/8/2018

### WBI - Plug Set Other Operator, 3/12/2018 06:00

Job Category Completion/Workover	Primary Job Type WBI - Plug Set Other Operator	Start Date 3/12/2018	End Date 3/13/2018	Objective SET PLUG ABOVE THE PERFS FOR WBI AHEAD OF THE HORIZONTAL FRAC
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### Daily Operations

Start Date	Summary	End Date
3/12/2018	MIRU RANGER RIG #3 IWP TBG- 800 PSI, CSG- 800 PSI, SURFACE CSG- 0 PSI. HELD SAFETY MEETING AND FUNCTION TESTED BOPS. OPENED WELL TO FLAT TANK. R/U RIG PUMP AND CONTROLLED WELL W/ 80 BBLs FLUID. N/D WELL HEAD TREE AND N/U BOPS. P/U RIH W/ 5 TAG JOINTS. TAGGED W/ 146' BELOW EOT @ 7455' KB LEAVING 122' RAT HOLE. NO C/O NECESSARY. POOH L/D TAG JOINTS AND (3) PUP JOINTS. TALLY OUT TO DERRICK 238 JTS TBG. L/D SN/NC. P/U BIT AND SCRAPER. R/U PICK TESTING. TESTED IN OUT OF DERRICK 238 JTS TBG. ALL TBG TESTED GOOD TO 6500 PSI. R/D PICK TESTING. R/U RIG PUMP, LOADED TBG AND BACKSIDE, ESTABLISHED CIRCULATION AND ROLLED HOLE CLEAN. POOH L/D 16 JTS TBG ON FLOAT. TOOH S/B IN DERRICK 122 JTS TBG. LEFT 100 IN THE HOLE FOR THE NIGHT ABOVE THE TOP PERFS. SWI, SDFD, CREW TO THE YARD.	3/12/2018
3/13/2018	CREW TO LOCATION WELL WAS DEAD THIS AM, OPENED WELL TO FLAT TANK. CONTINUE TO TRIP OUT TO THE DERRICK A TOTAL OF 222 JTS TBG. L/D BIT AND SCRAPER. R/U CASED HOLE WIRELINE. P/U RIH STS 4 1/2" 10K CIBP. CORRELATED WITH LOGS AND SET CIBP @ 6979' KB ( 50' ABOVE TOP NIO PERFS). DUMP BAILED 2 SACKS OF CEMENT ON TOP OF CIBP. POOH R/D WIRELINE. P/U 3 7/8" CONE BIT, POP OFF BIT SUB AND SN. TIH OUT OF DERRICK 222 JTS TBG. R/U RIG PUMP, LOADED TBG AND BACKSIDE, ESTABLISHED CIRCULATION AND ROLLED HOLE CLEAN. CLOSED PIPE RAMS AND PRESSURE TESTED CSG TO 2000 PSI. HELD FOR 15 MIN. GOOD TEST. RELEASED PRESSURE. POOH L/D 4 JTS TBG TO DISPLACE FLUID LEVEL. N/D BOPS AND 3000# MANDRIL WELL HEAD. N/U NEW 4 1/2" 5K FLANGED WELL HEAD. LANDED WELL AS FOLLOWS:  KB- 10' 218 JTS 2 3/8" 4.70# J-55 8RD TBG- 6667.83' 2 3/8" SN- 1.20' STS PO BIT SUB AND CONE BIT- 2'  TOTAL LANDED DEPTH= 6681.03' KB ( 285' ABOVE CIBP). N/U TOP WELL HEAD FLANGE AND MASTER VALVE. R/U LUBRICATOR AND MADE BROACH RUN TO SN. POOH R/D LUBRICATOR. R/U PICK TESTING TO TORQUE AND TEST WELL HEAD TO 5000 PSI. GOOD TEST. R/D PICK TESTING. SWI, RDMO, LEAVE PLUG IN THE HOLE FOR WBI AHEAD OF THE HORIZONTAL FRAC.	3/13/2018

### WBI - Return to Production Other Operator, <dtmstart>

Job Category Completion/Workover	Primary Job Type WBI - Return to Production Other Operator	Start Date	End Date	Objective
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### Daily Operations

Start Date	Summary	End Date