



## Well History

**Well Name: Wells Ranch 24-11**

API 05123222440000		Surface Legal Location SESW 11 5N 63W		Field Name Wattenberg		State CO		Well Configuration Type Vertical	
Ground Elevation (ft) 4,650.00	Original KB Elevation (ft) 4,660.00	KB-Ground Distance (ft) 10.00	Spud Date 6/18/2004 14:30	Rig Release Date 6/22/2004 03:30	On Production Date 7/27/2004	Abandon Date			

### Daily Operations

Start Date	Summary	End Date
12/15/2017	<p>MIRU RANGER RIG #22</p> <p>IWP TBG- 900 PSI, CSG- 1200 PSI, SURFACE CSG- 0 PSI. HELD SAFETY MEETING AND FUNCTION TESTED BOPS. OPENED WELL TO FLAT TANK TO BLOW DOWN. R/U RIG PUMP, PUMPED 60 BBLS FRESH WATER W/ BIO TO CONTROL WELL. N/D WELL HEAD TREE AND N/U BOPS. UNLANDED TBG. P/U RIH W/ 6 TAG JOINTS. TAGGED @ 175' BELOW EOT @ 6736' KB, LEAVING 147' RAT HOLE. NO C/O NECESSARY. L/D TAG JOINTS TBG AND (1) 10; PUP JOINT. TALLY OUT TO DERRICK 199 JTS 2 3/8" TBG. L/D SN/NC. P/U BLADE BIT AND CSG SCRAPER DRESSED FOR 4 1/2" 10.5# CSG. R/U PICK TESTING. TESTED IN OUT OF THE DERRICK 199 JTS TBG TO 6500 PSI. ALL TBG TESTED GOOD. R/D PICK TESTING. POOH L/D 13 JTS TBG ON FLOAT. TOOH S/B IN DERRICK 186 JTS TBG. L/D BIT AND SCRAPER. R/U RANGER WIRELINE. P/U RIH AND SET STS 4 1/2" 10K CIBP @ 6273' KB ( 50' ABOVE TOP NIO PERFS). DUMP BAILED 2 SACKS OF CEMENT ON TOP OF CIBP. POOH AND R/D WIRELINE. SWI, SDFD, CREW TO THE YARD.</p>	12/15/2017
12/18/2017	<p>CREW TO LOCATION</p> <p>WELL WAS DEAD THIS AM, OPENED WELL TO FLAT TANK. P/U 3 7/8" CONE BIT, PO BIT SUB AND SN, TIH OUT OF DERRICK 187 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 5 JTS TBG TO DISPLACE FLUID LEVEL. R/U LUBRICATOR. MADE 1.901" BROACH RUN TO SN. POOH AND R/D LUBRICATOR. N/D BOPS AND 3000# MANDRIL WELL HEAD. N/U NEW 4 1/2" 5K FLANGED WELL HEAD. LANDED TBG AS FOLLOWS:</p> <p>KB- 10' 182 JTS 2 3/8" 4.70# J-55 8 RD TBG- 5982.73' SN- 1.20' PO BIT SUB AND BIT- 2'</p> <p>TOTAL LANDED DEPTH= 5995.93' KB ( 277' ABOVE CIBP). N/U TOP FLANGE AND MASTER VALVE, CHANGED 5K BACKSIDE VALVES. PICK TESTING TORQUE AND TESTED WELL HEAD TO 5000 PSI. GOOD TEST. SWI, RDMO, LEAVE PLUG IN THE HOLE FOR WBI AHEAD OF THE HORIZONTAL FRAC.</p> <p>NOTE THERE WAS 17 JTS 2 3/8" TBG AND (1) 10' PUP JOINT FMTD FROM WELL TO ATP YARD/ PDC INVENTORY.</p>	12/18/2017