



Well History

Well Name: Triangle 4-22

API 05123370660000		Surface Legal Location SENW 22 7N 65W		Field Name Wattenberg		State CO		Well Configuration Type Directional	
Ground Elevation (ft) 4,832.00	Original KB Elevation (ft) 4,848.00	KB-Ground Distance (ft) 16.00	Spud Date 4/26/2013 00:00	Rig Release Date 5/1/2013 00:00	On Production Date 8/18/2013	Abandon Date 5/21/2020			

Job

Drilling, 4/26/2013 00:00

Job Category Drilling	Primary Job Type Drilling	Start Date 4/26/2013	End Date	Objective
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Daily Operations

Start Date	Summary	End Date

Wireline, 2/19/2019 13:00

Job Category Other	Primary Job Type Wireline	Start Date 2/19/2019	End Date 2/19/2019	Objective WIRELINE
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Daily Operations

Start Date	Summary	End Date
2/19/2019	RU RIHW- 2" JUE TO 7613 FISH DUEL PAD PLUNGER. 7614 FISH BUMPER SPRING RIHW- 1.5" BLIND BOX TO 7737. RD	2/19/2019

WBI - Plug Set Other Operator, 3/11/2019 06:00

Job Category Completion/Workover	Primary Job Type WBI - Plug Set Other Operator	Start Date 3/11/2019	End Date 3/12/2019	Objective SET CIBP ABOVE THE PERFS FOR WBI AHEAD OF THE HORIZONTAL FRAC
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Daily Operations

Start Date	Summary	End Date
3/11/2019	MIRU BRIGADE RIG #7 IWP TBG- 350 PSI, CSG- 75 PSI, SURFACE CSG- 0 PSI. HELD SAFETY MEETING AND FUNCTION TESTED BOPS. OPENED WELL TO FLAT TANK TO BLOW DOWN. R/U RIG PUMP, LOADED TBG AND BACKSIDE. ESTABLISHED CIRCULATION AND ROLLED HOLE CLEAN. N/D WELL HEAD TREE AND N/U BOPS. P/U RIH W/ 3 TAG JOINTS. TAGGED W/ 3 JTS ALL IN AT 7720'. LEAVING 60' RAT HOLE. NO C/O NECESSARY. L/D TAG JOINTS AND TALLY OUT TO DERRICK 235 JTS 2 3/8" 4.70# J-55 8RD TBG. P/U STS 4 1/2" BIT AND SCRAPER. R/U PICK TESTING. TEST IN HOLE OUT OF DERRICK 235 JTS TBG TO 6500 PSI. ALL TBG TESTED GOOD. R/D PICK TESTING. R/U RIG PUMP, LOADED TBG AND BACKSIDE, ESTABLISHED CIRCULATION AND ROLLED HOLE CLEAN. POOH L/D 10 JTS TBG AND LEFT HANG FOR THE NIGHT ABOVE THE PERFS. SWI, SDFD, CREW TO THE YARD.	3/11/2019
3/12/2019	CREW TO LOCATION WELL WAS DEAD THIS AM. OPENED WELL TO FLAT TANK. R/U RIG PUMP, LOADED TBG AND BACKSIDE, ESTABLISHED CIRCULATION AND ROLLED HOLE CLEAN. TOOH S/B IN DERRICK 224 JTS TBG. R/U C&J WIRELINE SERVICES. P/U RIH W/ STS 4 1/2" 10K CIBP. CORRELATE WITH LOG AND SET CIBP @ 7590' KB (56' ABOVE TOP CODELL PERFS). DUMP BAILED 2 SACKS OF CEMENT ON TOP OF CIBP. POOH AND R/D WIRELINE. P/U 3 7/8" CONE BIT, STS PO BIT SUB AND SN. TIH OUT OF DERRICK 224 JTS TBG. P/U RIH 4 JTS TBG FROM TRAILER. R/U RIG PUMP, LOADED TBG AND BACKSIDE. CLOSED PIPE RAMS AND PRESSURE TESTED CSG TO 2000 PSI. HELD FOR 15 MIN. GOOD TEST. RELEASED PRESSURE. R/U LUBRICATOR. MADE BROACH RUN TO SN. NO PROBLEMS. POOH AND R/D LUBRICATOR. POOH L/D 4 JTS TBG TO DISPLACE FLUID. N/D BOPS AND LANDED TBG AS FOLLOWS: KB- 16' 222 JTS 2 3/8" 4.70# J-55 8RD TBG- 7288' SN- 1.20' STS PO BIT AND SUB- 2' TOTAL LANDED DEPTH- 7307.20' KB (282' ABOVE TOP OF CIBP). N/U TOP FLANGE AND MASTER VALVE. N/U NEW 5K BACKSIDE VALVES. R/U PICK TESTING. TORQUE AND TESTED WELL HEAD TO 5000 PSI. GOOD TEST. RELEASED PRESSURE AND R/D PICK TESTING. SWI, RDMO, LEAVE PLUG IN THE HOLE FOR WBI AHEAD OF THE HORIZONTAL FRAC. NOTE THERE WAS 13 JTS 2 3/8" TBG FMTD FROM WELL TO RMI/PDC INVENTORY.	3/12/2019

Abandon Well LOE, 5/20/2020 06:00

Job Category Abandon	Primary Job Type Abandon Well LOE	Start Date 5/20/2020	End Date 5/21/2020	Objective PLUG AND ABANDON WELL
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Daily Operations

Start Date	Summary	End Date
5/20/2020	CREW TO LOCATION. MIRU ENSIGN RIG 354. HELD SAFETY MEETING. 0 PRESSURES ON WELL. ROLLED HOLE 30 MINUTES. TEST CASING TO 1200 PSI. HELD GOOD. BLED OFF PRESSURE. ND WELLHEAD. FUNCTION TEST AND NU BOPS. TOOH TO DERRICK WITH 56 JNTS OF 2-3/8" 4.7# J-55 8RD EUE TBNG. LD ON TRAILER WITH 166 JNTS, SN, P/O BIT SUB AND 3-7/8" CONE BIT KEEPING HOLE LOADED ON TRIP OUT. MIRU RANGER WIRELINE. RIH WITH GAUGE RING/JUNK BASKET TO TAG EXISTING CIBP W/2 SKS AT 7566'. RIH WITH STS 4.5" 10K CIBP, CORRELATED WITH LOGS, GOT ON DEPTH AND SET CIBP 50' ABOVE THE NIOBRARA TOP AT 7292'. RIH WITH DUMP BAILER AND SPOT 2 SKS OF CEMENT ON TOP OF PLUG. RIH WITH 2ND STS 10K CIBP AND SET AT 2700'. RIH WITH DUMP BAILER AND SPOT 2 SKS OF CEMENT ON TOP OF PLUG. RAN CBL FROM 700' TO SURFACE. RIH WITH 3-1/8" SCALLOP GUN AND SHOT 6 HOLES AT 450'. RDMO WIRELINE. BROKE CIRCULATION DOWN CASING AND UP SURFACE CASING AND ROLLED HOLE CLEAN. RIH WITH 57 JNTS TO 1870'. SECURED WELL. SDFD. CREW TO YARD. WILL PUMP PLUGS TOMORROW.	5/20/2020



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Daily Operations

Start Date	Summary	End Date
5/21/2020	<p>CREW TO LOCATION</p> <p>WELL WAS DEAD. OPENED WELL TO FLAT TANK. R/U RIG PUMP, LOADED TBG AND BACKSIDE, ESTABLISHED CIRCULATION AND ROLLED HOLE WHILE WAITING ON CEMENTERS. R/U NEXTIER CEMENT SERVICES. HELD SAFETY MEETING AND PRESSURE TESTED LINES TO 2500 PSI. PUMPED 5 BBLs FRESH WATER AHEAD TO ESTABLISH RATE. MIXED UP AND PUMPED 25 SACKS (5.3 BBLs) 15.8 PPG G NEAT CEMENT FROM 1870' TO 1528'. GOOD CIRCULATION THROUGHOUT ENTIRE JOB AT 2 BBL/MIN RATE. DISPLACED W/ 5.8 BBLs FRESH WATER TO BALANCE PLUG. R/D CEMENTERS. POOH L/D ON FLOAT 35 JTS TBG LEAVING 22 IN THE HOLE @ 735'. R/U CEMENTERS. PUMPED 5 BBLs FRESH WATER AHEAD TO ESTABLISH CIRCULATION. MIXED UP AND PUMPED 59 SACKS (12 BBLs) 15.8 PPG G NEAT CEMENT FROM 735' TO SURFACE. GOOD CIRCULATION THROUGHOUT ENTIRE JOB AT 2 BBL/MIN RATE. RETURNED 2 BBLs CEMENT TO THE TANK. R/D CEMENTERS. POOH L/D ON FLOAT 22 JTS TBG AND MULE SHOE. N/D BOPS AND N/U WELL HEAD. HOOKED CEMENTERS TO WELL HEAD. MIXED UP AND PUMPED 108 SACKS (22.1 BBLs) 15.8 PPG G NEAT CEMENT THROUGH SQUEEZE HOLES AT 450' TO SURFACE INSIDE ANNULUS. GOOD CIRCULATION THROUGHOUT ENTIRE JOB AT 2 BBL/MIN RATE. RETURNED 2 BBLs CEMENT TO TANK. SHUT WELL IN TIGHT. R/D CEMENTERS TO WASH UP. CLEANED EQUIPMENT AND TANKS. RIGGED DOWN AND MOVED OFF. DUG UP WELL. CUT AND CAPPED WELL 6' BELOW GROUND LEVEL. WELDED ON MARKER PLATE AND BURIED WELL. TURNED OVER TO THE CONSTRUCTION DEPT TO ABANDON THE FLOWLINE.</p> <p>THIS IS THE FINAL REPORT.</p> <p>NOTE THERE WAS NO CASING RECOVERED FROM THIS WELL. THERE WAS 222 JTS 2 3/8" 4.70# J-55 8RD TBG SOLD TO KARST.</p>	5/21/2020