



Well History

Well Name: Hoff 20-1

API 05123133490000		Surface Legal Location SWSE 20 5N 64W		Field Name Wattenberg		State CO		Well Configuration Type Vertical	
Ground Elevation (ft) 4,670.00	Original KB Elevation (ft) 4,682.00	KB-Ground Distance (ft) 12.00	Spud Date 2/6/1987 14:30	Rig Release Date 2/11/1987 19:30	On Production Date 6/18/1987	Abandon Date 6/3/2020			

Job
WBI - Plug Set PDC, 2/26/2019 06:00

Job Category Completion/Workover	Primary Job Type WBI - Plug Set PDC	Start Date 2/26/2019	End Date 2/27/2019	Objective TEST TUBING, SET A PLUG ABOVE THE TOP PERFS FOR WBI.
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Daily Operations

Start Date	Summary	End Date
2/26/2019	ITP 700 PSI, ICP 700 PSI, ISCP 0 PSI, WELL WAS SHUT IN, MIRU ENSIGN RIG 354, BLEW DOWN WELL TO RIG TANK, FUNCTION TESTED BOP, CONTROLLED WELL WITH 50 BBL OF CLAYTREAT/BIOCIDE WATER, ND PRODUCTION TREE, NU BOP, PICKED UP TAG JTS, RAN 5 JTS 156' AND DIDN'T TAG, LD TAG JTS, TALLY OUT OF THE HOLE WITH 2 3/8 PRODUCTION PIPE TO DERRICK, TBG WAS LANDED AT 6834.54' WITH 220 JTS AND NC/SN, MIRU PICK TESTERS, PU STS'S 3 5/8 BLADE BIT AND 4 1/2 SCRAPER DRESSED FOR 15.10 CASING, RIH WITH PRODUCTION PIPE DOWN TO 6829' WITH 220 JTS, RD HYDRO TESTER, ALL THE PIPE TESTED GOOD, LD 14 JTS ON THE GROUND, PULLED 206 JTS TO DERRICK, LD BIT AND SCRAPER, SI AND SECURE WELL FOR THE NIGHT, DRAIN PUMP AND LINES, SD.	2/26/2019
2/27/2019	NO PRESSURES, OPENED WELL, MIRU C&J WIRE LINE TRUCK, PICKED UP 4 1/2 10K CIBP, RIH WITH WIRE LINE, SET CIBP AT 6535' CORRELATED WITH LOGS, SPOTTED 2 SACKS OF CEMENT ON TOP OF THE PLUG, RD WIRE LINE, PU 3 5/8 CONE BIT, PUMP OFF BIT SUB AND SEAT NIPPLE, RIH WITH PRODUCTION PIPE DOWN TO 6400.75' WITH 206 JTS, RU CIRCULATING EQUIPMENT, CIRCULATED OIL AND GAS OUT PUMPING DOWN TUBING, PRESSURE TESTED CASING AND PLUG UP TO 2000 PSI, HELD GOOD FOR 15 MINUTES, RU SWAB LUBRICATOR, MADE A BROACH RUN DOWN TO SEAT NIPPLE (1.901"), LD BROACH, PU 2" SWAB CUPS, MADE A SWAB RUN DOWN TO 500', RD SWAB LUBRICATOR, LD 5 JTS, ND BOP, INSTALLED 5K TOP FLANGE AND 2 3/8 MASTER VALVE, LANDED TUBING AT 6250.95 KB WITH 201 JTS, SEAT NIPPLE, PUMP OFF BIT SUB AND 3 5/8 CONE BIT, MIRU PICK TESTERS, TORQUE AND TESTED WELL HEAD UP TO 5000 PSI, RECORDED THE TEST FOR 15 MINUTES, RACK PUMP AND TANK, RDMOL. FINAL REPORT. TUBING DETAILS ADJUSTED KB 12.00 201 JTS 2 3/8 J-55 4.7 6235.75 SEAT NIPPLE 1.20 PUMP OFF BIT SUB 2.00 TOTAL 6250.95 NOTE: SENT 19 GOOD JTS OF 2 3/8 J-55 TO RMI TO PDC'S INVENTORY.	2/27/2019

Abandon Well LOE, 6/1/2020 06:00

Job Category Abandon	Primary Job Type Abandon Well LOE	Start Date 6/1/2020	End Date 6/3/2020	Objective PLUG AND ABONDON WELL
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Daily Operations

Start Date	Summary	End Date
6/1/2020	CREW TO LOCATION. MIRU ENSIGN RIG 356. HELD SAFETY MEETING. 0 PRESSURES ON WELL. BROKE CIRCULATION DOWN 2-3/8" TBNG AND UP 4-1/2" CASING AND ROLLED HOLE FOR 15 MINUTES. TEST CASING TO 1000 PSI. HELD GOOD. BLEED OFF PRESSURE. N3 WELLHEAD. FUNCTION TEST AND NU BOPS. TOOH TO DERRICK WITH 128 JNTS OF 2-3/8" 4.7# J-55 8RD EUE TBNG. LD ON TRAILER WITH 73 JNTS, SN, P/O BIT SUB AND 3-5/8" CONE BIT KEEPING HOLE LOADED ON TRIP OUT. MIRU SUREFIRE WIRELINE. RIH WITH GAUGE RING/JUNK BASKET. STARTED PUSHING SOMETHING (RUBBER) AT 450'. POOH, INSTALLED WEIGHT BAR AND RIH AND TAGGED EXISTING CIBP W/2 SKS AT 6505'. RAN CBL FROM 4550' TO SURFACE. RIH WITH 3-1/8" SELECT FIRE SCALLOP GUN AND SHOT 6 SQUEEZE HOLES AT 4210' AND 6 SQUEEZE HOLES AT 4010'. (.59" HOLE WITH 4.7" PENETRATION) RDMO WIRELINE. RIH WITH STS 4-1/2" CREST II COMPRESSION PACKER, SN AND 130 JNTS OF 2-3/8" TBNG AND 10' PUP JNT. SET PACKER AT 4025'. BROKE CIRCULATION DOWN TBNG, THRU SQUEEZE HOLES AND UP 4-1/2" CASING AND ROLLED GAS AND MUD OUT OF HOLE FOR 1 HOUR. RELEASED PACKER. POOH STANDING BACK 128 JNTS IN DERRICK AND LD 2 JNTS, SN AND PACKER. SECURED WELL. SDFD. CREW TO YARD.	6/1/2020
6/2/2020	CREW TO LOCATION. HELD SAFETY MEETING. 0 PRESSURES ON WELL. MIRU SUREFIRE WIRELINE. RIH WITH STS 4.5" 10K CIBP AND SET AT 4025'. RDMO WIRELINE. RIH WITH STINGER AND 130 JNTS OF 2-3/8" TBNG. INSTALLED 6' and 4' PUP JNTS TO SPACE OUT TBNG. BROKE CIRCULATION DOWN TBNG AND UP CASING. STUNG INTO RETAINER AND TEST TBNG TO 1500 PSI. HELD GOOD. STUNG THE REST OF THE WAY INTO THE RETAINER AND BROKE CIRCULATION THRU SQUEEZE HOLES AND UP CASING. CONDITIONED HOLE FOR 1.5 HOURS. SHUT DOWN PUMP. WELL REMAINED STATIC WHILE MIRU NEXTIER CEMENTERS. HELD SAFETY MEETING. TEST PUMP AND LINES TO 2700 PSI. ESTABLISHED CIRCULATION WITH 3 BBL FRESH WATER. MIXED AND PUMPED 67 SKS OF 12#, 2.41 (cuft/sk) SUSSEX BLEND CEMENT IN A 28.7 BBL SLURRY. DISPLACED 13.5 BBL FRESH WATER, STUNG OUT OF RETAINER LEAVING 62 SKS BELOW AND 5 SKS ON TOP OF RETAINER. WASHED UP PUMP AND LINES. LD SUBS AND 1 JNT. POOH TO DERRICK WITH 50 JNTS. LD 32 JNTS. EOT AT 1488'. MIXED AND PUMPED 100# OF SAPP IN A 10 BBL PILL. DISPLACED 3 BBL FRESH WATER. RDMO CEMENTERS. LD REMAINING TBNG AND STINGER. MIRU SUREFIRE WIRELINE. RIH WITH JET CUTTER AND CUT CASING AT 1510'. RDMO WIRELINE. BROKE CIRCULATION DOWN CASING AND UP SURFACE PUMPING 10 BBL SAPP PILL THRU CUT. PLUGGED OFF DOWNHOLE TWICE BUT WAS ABLE TO RE-ESTABLISH CIRCULATION AND CONDITION HOLE ROLLING OUT HEAVY MUD AND GAS. SHUT DOWN PUMP. WELL REMAINED STATIC. HAD TO CUT SURFACE HEAD TOP NUT OFF WITH CUTOFF WHEEL. ND BOPS AND TBNG HEAD. UNLAND CASING. NU XO SPOOL AND BOPS. SECURED WELL. SDFD. CREW TO YARD.	6/2/2020



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Daily Operations

Start Date	Summary	End Date
6/3/2020	<p>CREW TO LOCATION. HELD SAFETY MEETING. 0 PRESSURES ON WELL. LD 51 JNTS OF 4-1/2" 15.1# CASING. RIH WITH BENT MULE SHOE AND 24 JNTS OF 2-3/8" TBNG TO 744'. BROKE CIRCULATION AND STARTED CONDITIONING HOLE. PUMPED 5 BBL SAPP MUD FLUSH PILL AND ROLLED OUT GAS AND VERY HEAVY DEHYDRATED MUD. RIH WITH 27 MORE JNTS TO 1581'. CONDITIONED HOLE FOR 1 HOUR. SHUT DOWN PUMP. WELL REMAINED STATIC WHILE MIRU NEXTIER CEMENTERS. HELD SAFETY MEETING. TEST PUMP AND LINES TO 2000 PSI. ESTABLISHED CIRCULATION WITH 5 BBLS SAPP. MIXED AND PUMPED 88 SKS OF TYPE III 14.8# CEMENT IN A 20.8 BBL SLURRY. DISPLACED 4.7 BBLS TO BALANCE PLUG AT 1228'. LD 31 JNTS. EOT AT 620'. ESTABLISHED CIRCULATION WITH 6 BBLS FRESH WATER. MIXED AND PUMPED 300 SKS OF TYPE III 14.8# CEMENT IN A 71 BBL SLURRY TO SURFACE. 1 BBL OF CEMENT RETURNED TO TANK. LD TBNG. TOPPED OFF PLUG WITH 5 SKS. TOTAL OF 305 SKS (72.2 BBLS) PUMPED FOR SURFACE PLUG. WASHED UP PUMP AND LINES. RDMO CEMENTERS. ND BOPS AND XO SPOOL. ATP DUG OUT AND CUT OFF SURFACE HEAD 6' BELOW GROUND LEVEL. WELD ON CAP AND MARKER PLATE. BACKFILLED HOLE. RDMO.</p> <p>FINAL REPORT. FLOWLINE TO BE ABANDONED BY PDC. FMT'D 201 JNTS OF 2-3/8" 4.7# J-55 8RD EUE TBNG TO BE SOLD TO KARST 51 JNTS OF 4-1/2" 15.1# CASING TO BE SOLD TO KARST.</p>	6/3/2020