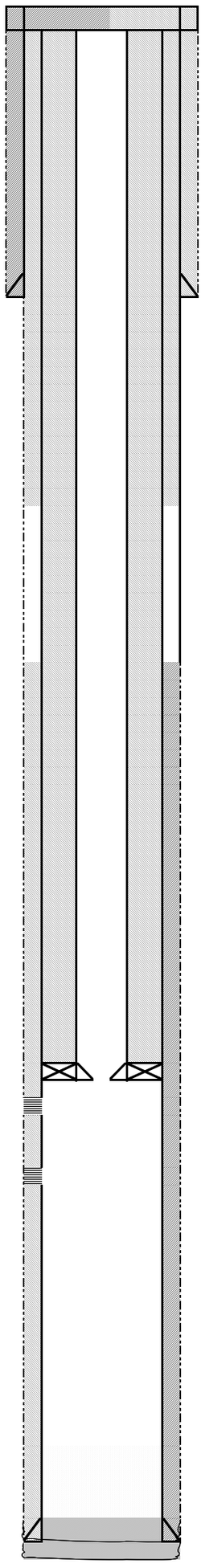
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **OPERATOR:** | Impetro Resources LLC - 10690 | **CNTY:** | Washington | **FTG:** | 664 FNL and 2035 FWL | **IP GAS:** | 0 |
| **WELL:** | Scott #1-WD | **STATE:** | CO | **Q-Q:** | NENW | **IP OIL:** | 144 |
| **FIELD:** | Bison - 6800 | **ROTARY SPUD:** | 19-Sep-61 | **SEC.:** | 7 | **IP WTR:** | 3 |
| **API #** | 05-121-05190 | **COMP:** | 24-Sep-61 | **TWS:** | 4S | **CUM GAS:** | 0* |
| **LEASE #:** | - | **STATUS:** | IJ | **RGE:** | 53W | **CUM OIL:** | 0* |
| **UIC #:** | - | **WBD DATE:** | 16-Jun-19 | **BY:** | SMB | **CUM WTR:** | 0* |
| **BASIN:** | Denver - Julesburg | **LAT/LONG:** | 39.723183/-103.361013 | | | **LAST PROD:** | |

# WELLBORE DIAGRAM

**KBE:** 4996.0 '
**KB:** 8.0 '
**GLE:** 4988.0 '

**TD (ft):** 4753 '
**PBTD (ft):** 4724 '



**8 5/8" 24# Csg @** 104 '
**w/ 85 sxs**

Top Niobrara @ 3648 '
Top D Sand @ 4585 '
Top J Sand @ 4632 '

**Squeeze 235 sx @ hole between 1492' and 1507'**

**Hole somewhere between 1640' and 4400' in 5-1/2"**

**TOC @** 4421 '
8" Hole & 1.15 CF/Sx

**Inj Pkr @** 4430 '
**5-1/2" Arrowdrill w/ 4' sub on btm**

**J Sand** See Perf Record '

**J Sand** '

**Tag Fill @** 4691 '

**ORIG PBTD @** 4724 '
**5 1/2" 15.5# Csg @** 4750 '
**Cmtd w/ 100 sxs**
**TD @** 4753 '
**7 7/8" Hole**

**CASING HEAD:** Unknown
**WELLHEAD:** Unknown

**CASING RECORD**

| HOLE (in) | SIZE (in) | WT (lb/ft) | GRADE | TOP (ft) | BTM (ft) | JTS |
|---|---|---|---|---|---|---|
| 12 1/4 | 8 5/8 | 24 | | 0 | 104 | |
| 7 7/8 | 5 1/2 | 15.5 | | 0 | 4750 | |
| | | | | | | |
| | | | | | | |

*Float Collar @*

**TUBING RECORD** COND: DATE:

| SIZE (in) | WT (lb/ft) | GRADE | TOP (ft) | TALLY (ft) | JTS | |
|---|---|---|---|---|---|---|
| 2 7/8" | 6.5 | J-55 | 0 | 4430.00 | 140 | |
| | | | | | w/PKR | |
| | | | | | | |
| | | | | | | |

| ITEM | DESC | SIZE (in) | TALLY (ft) | JTS | |
|---|---|---|---|---|---|
| K.B. | | | 8.00 | | |
| HANGER | 10', 6' & 4' Sub | 2.875 | 20.00 | 3 | |
| TBG | | 2.875 | 4340.50 | 138 | |
| SN | | | 0.50 | 1 | GONE???? |
| TBG | | 2.875 | 61.00 | 2 | |
| EOT @ | | | 4430.00 | | |

**PERFORATION RECORD**

| ZONE | TOP (ft) | BTM (ft) | SPF | DATE SHOT | STATUS | STIM |
|---|---|---|---|---|---|---|
| J Sand | 4646.5 | 4647.5 | 4 | Sep-61 | Squeezed | Squeezed w/ 75 sx |
| J Sand | 4636.5 | 4640.0 | 4 | Sep-61 | Open | Squeezed w/ 75 sx |
| J Sand | 4636.5 | 4637.5 | | Jul-74 | Open | INJECTION PERF |
| J Sand | 4644 | 4654 | 2 | Jul-74 | Open | INJECTION PERF |
| J Sand | 4658 | 4684 | 2 | Jul-74 | Open | INJECTION PERF |
| | | | | | | |
| | | | | | | |
| | | | | | | |

**WELLWORK HISTORY**

**Max Injection Pressure = 1240 psi**
**1974** - Acidize with 250 gal 15%
**1975** - Acidize 4 times with 500 gal 15%
**1980** - Casing leak at 45'. Back off and replace joint.
**1982** - Acidize to get back to 2000 BWPD injection rate. Circulate out 12' of fill. Acidize under packer at 4595'. 200 gal Zylene and 2000 gal 15% FE-HCl. Displaced 200 gal Zylene and first 100 gal acid at 1 BPM at 0 psi. Pumped 250# unibeads. Pressure increased to 650# when unibeads hit perfs. Displaced remaining 1000 gal acid at 2 bpm at 650 psi. ISIP - Vacuum. Pump 50 bbl produced water at 1800 psi and 8 bpm. Next day take 2120 BBL in 20 hours on a vacuum.
**1987** - Yetter - Isolate hole between 1492' and 1507'. Squeeze with 235 sx Class G +1% Hallad-322 + 2% CaCl (46 bbls). Displace with 33 bbl water. Lost returns to surface @ 56 bbls. Pressure test to 485 psi. MIT to 305 psi. Acidize with 2000 gal 15% HCl + 10# iron control + 350# rock salt. Flush with 1800 gal water. 8 BPM @ 1000 psi. ISIP 200 psi well on vacuum in 1 minute. Water injection rate 1650 BWPD.
**1988** - Acidize 2500 gal 15% SWIC
**1992** - Fail MIT 335 psi leak off to 255 psi in 15 minutes. Isolate hole between 1640' and 4400'.
**1992** - Yetter - Release R-4 Tension Packer, Hydrotest out. Bail 1' fine sand and Iron Sulfide. Bit and scraper to 4691'. Hunt holes. Good above 1640' and below 4400'. Set injection packer, 5-1/2" Arrowdrill w/4' sub on bottom and pump off plug on bottom. Cement with 230 sx to surface (10 sx to surface) Halliburton Lite Cmt. Hang tubing with 15,000# tension over string weight. Pressure to 2200 psi to shear pump off plug. Inject 150 bbl lease water @ 5 bpm and 800 psi. ISIP 200 psi, vacuum in 1 min.
**1993** - Acidize with 1000 gal 15% HCl
**1994** - Acidize with 500 gal 15% HCl + surfactant + iron control @ 1 bpm on a vacuum. Yetter drop standing valve to S/N. MIT to 360 psi. Pull standing valve with sandline
**1995** - Acidize 500 gal 15% HCl and another 1000 gal 28% HCl
**1996** - Acidize 2000 gal 28% HCl
**1997** - Acidize 1000 gal 28% HCl
**1998** - Acidize 750 gal 28% HCl
**1999** - Acidize 750 gal 28% HCl
**2000** - Acidize 750 gal 28% HCl - MIT trouble, used hydrotester, lost plug downhole, **WELL HAS NO SEAT NIPPLE**
**2002** - Had to swab down with rig after MIT to get plug as equalizing ports plugged with scale. Should acidize next time before MIT
**2003** - Acidize 500 gal 28% - Helped with MIT
**2005** - Acidize 500 gal 15% HCl and 750 gal 28%
**2006** - Acidize 2000 gal 28% HCl
**2007** - Acidize 750 gal 15% HCl
**2008** - Acidize 500 gal 15% HCl
**2011** - Run gauge ring, locate stop collar at 4183'. RIH with plug, bad test. Pull stop collar, run new stop collar to 4152', run plug, bad test, run CIBP, test good. Drill out CIBP and clen out with coil tubing. Mavrick / Basic
**2012** - Cable Inc - Set collar stop at 4106'
**2016** - NALCO - 55 gal Clean n Cor# EC1509A treatment
**2017** - Canary - 2.313" gauge ring to 4130', 2-7/8 templetion plug to 4110'. Pull plug after good test.
**2018** - Canary - 2.313 gauge ring to 4130'. 2" JDC and 2-7/8 Templeton plug set at 4110'. Good Test. RIH with 2" JDC & 1-1/2 oil jars. Pull templeton plug at 4110'
**2019** - Gauge ring run to 4130' Tag. Flush tubing with 40 bbl water. Set plug at 4105' in. Passed MIT.
**2020** - Gauge rign run to 4130' Tag. FLush tubing. Set plug at 4105'. Passed MIT
**Previous 20 Years of MIT's**
1998 - Passed MIT 350 psi
2001 - Passed MIT 385 psi
2002 - Passed MIT 500 psi
2003 - Passed MIT 430 psi
2004 - Passed MIT 445 psi
2005 - Passed MIT 356 psi
2006 - Passed MIT 377 psi
2007 - Passed MIT 340 psi
2008 - Passed MIT 600 psi
2010 - Passed MIT 350 psi
2011 - Passed MIT 360 psi
2015 - Passed MIT 320 psi
2016 - Passed MIT 300 psi
2017 - Passed MIT 300 psi
2018 - Passed MIT 370 psi
2019 - Passed MIT 367 psi
2020 - Passed MIT 325 psi