



SECTION II - PROPOSED & ACTUAL TREATMENT

TREATMENT REPORT

Date March 8, 2001 District Brighton F.Receipt 225117317 Operator Petroleum Development Corp.
Lease Bensen Well No. 23-15 Field Wattenberg Location NESW Sec 15-T6N-R65W
County Weld State Colorado Stage No. All Treatment Target(s) This zone & this well

WELL DATA Well Type: [X] New Well [ ] Old Well Well Class: [ ] Oil [X] Gas [ ] Disposal [ ] Injection [ ] Misc.
Prev. Treatment N/A Prev. Production N/A Well Dep. TD/PB 7212 ft Formation Codell (New)
Perf.: Size 0.340 in Total No. 24 Interval 7093-7101(ft)
String/TypePacker/OpenHole Description Size (in) Weight (lbm/ft) Set at (ft) From (ft) To (ft) Length (ft) Capacity (bbls/ft) Total Capacity (bbls)
Casing 4.500 10.50 7212 0.0160 113

TREATMENT DATA Treating via: [ ] Tubing [X] Casing [ ] Annulus [ ] Tubing & Annulus Fluid to load 0 bbls
Pad Used: [X] Yes [ ] No Pad Type Vistar 20 Pad Volume 834 bbls Ball Sealers: in stages of
Treating Fluid Type: [ ] Foam [X] Water [ ] Acid [ ] Oil [ ] Other Volume 2795 bbls Base Fluid Type: Greeley City Water Volume 2907 bbls
Foam Type: [ ] Mitchell Surface [ ] Mitchell Downhole [ ] Slurry Surface [ ] Slurry Downhole Foam Quality Hole Loaded with Vistar 20
Proppant Type Size Quantity (lbs) Proppant Type Size Quantity (lbs) Proppant Type Size Quantity (lbs)
White sand 20/40 225560

TOTAL LIQUID/GAS PUMPED Pad Volume: 834 bbls Treating Fluid Volume: 2795 bbls Flush Volume: 112 bbls
Over Flush Volume: Fluid to Recover: 2907 bbls Total CO2: Total N2:
Pumps Used(Type/Number):
Auxiliary Material: Floback 30; Claytreat 3c; GBW-23L; GS1A; Ultra Perm CRB LT; GBW-5
Procedure Summary: Frac as per Recommendation Number 1799533461A; API Number 05-123-20221-0000

TREATMENT SUMMARY Treating Pressure: Min. 3070 psi Max. 4031 psi Ave. 3675 psi Operator's Max. 5000 psi
Injection Rate: Treating Fluid 15.20 bpm Flush 15.10 bpm Average 15.20 bpm Flush Fluid Density 8.34 ppg
ISDP: Pre-Job 3471 psi Post-Job 3223 psi Final Shut in Pressure 3223 psi in 5.0 min
Recommendation ID# 179953461A Job Number 85560 Customer Representative Steve Trippet Service Representative Marvin Romkee
Distribution Petroleum Development Corp.; BJ Services

TREATMENT LOG Table with columns: Time, Treating Pressure (STP, Annulus), Stage Surface Fluid Pumped (Slurry, CO2, N2), Total Surface Fluid Pumped (Slurry, CO2, N2), Surface Fluid Pumping Rate (Slurry, CO2, N2), Comments. Includes data rows from 0752 to 1133.