

**KUKUI Operating Company
Goodnight 35 Fed. #1 (NM - 103604)
Sec. 35 - T23S - R29E
Eddy County, NM.**

- 1.) MIRU workover rig. Secure pumping unit. Lock-out / Tag-out unit.
RD horsehead. Unseat 25-150-RHTM-20-6 pump and POH with 86 rod string and pump.
Send pump to Adkins Supply in Carlsbad for repairs.
- 2.) ND wellhead. NU 7 1/16" 10M x 7 1/16" 5M adapter flange. NU 7 1/16" 5M BOPE.
Release tbg. anchor & POH with 2 7/8", 8.7 lbs./ft., IJ-3SS tbg.
NOTE: ENSURE HANDLING TOOLS FOR ATLAS BRADFORD IJ TBG. ARE ON LOC.
- 3.) MIRU wireline unit. GIH w/ gauge ring for 7", 26 lb.ft. to 7,900'. POH w/ gauge ring.
GIH w/ 7", 26.0 lbs./ft. CIBP and setting tool. Set CIBP @ 7,900' +/- . POH w/ setting tool.
Dump bail 4 sacks cement on plug.
- 4.) Perforate Lower Brushy Canyon 'C' Sand with 4" expandable carrier guns w/ 4 spf (+/- .42" dia. holes).
6,770' - 6,778' (LDT / CNL depths)
6,740' - 6,748' (LDT / CNL depths)

Release wireline unit.
- 5.) GIH w/ Baker 7", 26 lbs./ft., Retrievmatic pkr. & 2 7/8" IJ-3SS tbg. to 6,800' +/- .
Set packer. Test plug and tbg. Release pkr. and pull EOT to 6,880'. Set pkr. w/ 20K lbs. compression.
Test pkr. to 2,000 psi. ND BOPE. NU 2 9/16" 10M tree (Woods Group in Odessa).
- 6.) MIRU acid unit. Acidize Lower Brushy Canyon 'C' perms with 1,800 gals. 10% HCL
diverted with 100 ea. 1.1 SG ball sealers. Displace acid with 2% KCL water @ max. rate
possible with available HP. Do not exceed 5,000 psi during treatment. Monitor 9 5/8" x 7" annulus.
- 7.) Swab test well. Evaluate production and potential for additional stimulation by hydraulic fracturing.
Proceed with fracturing or plugging back to complete next interval (6,580' - 6,600').
- 8.) Fracture formation with 12,000 gals. of 30 lbs./1000 gals. low temp. crosslinked gel & 23,300 lbs.
16/30 sand w/ final 50 sacks resin coated. Pump treatment @ 10 - 12 bpm down 2 7/8" tbg.
Estimated WHTP @ 3,000 psi.

A. Test lines to 5,000 psi.
B. Place +/- 1,000 psi on 7" x 2 7/8" annulus. Monitor 9 5/8" x 7" annulus during treatment also.
C. Load hole and breakdown with treated water. Pump 2,000 gals. Pre-pad.
D. Pump 4,200 gals. Pad
E. Pump 1,300 gals. 1 PPG 16/30 Sand
F. Pump 1,500 gals 2 PPG 16/30 Sand
G. Pump 2,000 gals. 3 PPG 16/30 Sand
H. Pump 2,000 gals 4 PPG 16/30 Sand
I. Pump 1000 gals. 5 PPG 16/30 Resin Coated Sand
J. Flush with treated water 1 BBL. short of top perforation.
K. Obtain ISIP, 5, 10, and 15 minute SIP. Shut-in well. RDMO frac equipment.
- 9.) Allow time for gel to break. Flow / swab load to pit. Produce to tanks when oil cut occurs.
Evaluate interval. Place well on production or continue with completion of next interval as instructed.