

**San Juan 30-6 Unit #100  
SW/4, Section 35, T30N, R7W  
Menefee/Lewis Pay Add**

1. Test location rig anchors and repair if necessary. Blow down tubing. MIRU. NU BOP, blooie line, and relief line.
2. Install 6 X 400 bbl tanks and fill with 2% KCl water for fracture stimulation. Add 5 #'s biocide per tank before filling. Comply with all MOI, BLM, and NMOCD rules and regulations. Place fire and safety equipment in strategic locations.
3. TOOH with 2-3/8" tubing and lay down. Visually inspect and replace any bad joints. TIH with casing scraper and 3-1/2" workstring with special clearance couplings and make scraper run to 5880'. TOOH.
4. TIH with retrievable bridge plug, fullbore packer, and workstring. Set bridge plug @ 5880', spot 2 sx of sand, and test bridge plug w/5-1/2" fullbore packer to 3800 psi for 15 minutes.
5. Release packer and POOH to 5500' (above Cliffhouse) and pressure test backside to 1000 psi. TOOH. If pressure test fails, prepare to test and repair casing. Contact production engineering and a casing repair will be submitted.
6. RU wireline. Run GR-CBL-CCL in 5-1/2" casing from bridge plug to TOC. (TOC was located @ 3760' with Temperature Survey). Evaluate GR-CBL-CCL and send copy to production engineering.
7. Perforate w/3-1/8" HSC w/12 gr Owen 306 charges which have an average penetration in Berea of 12.0" & average perf diameter of 0.31". Perf Menefee w/ 1spf @ 5861', 59', 57', 52', 50', 17', 15', 13', 11', 09', 07', 05', 03', 5795', 93', 91', 51', 49', 47', 45', 41', 13', 11', 09', 07', 05', 03', 5694', 85', 83', 81', 44', 42', 25', 23'. Total of 35 holes.
8. TIH with workstring and fullbore packer. Pressure test tubing to 3800 psi. Set packer @ 5600' (above Menefee, below Cliffhouse) and prepare to breakdown and balloff perforations.
9. RU stimulation company. Pump 2500 gal. of 15% HCl @ 4 bbl/min. Drop a total of 70 7/8" 1.3 sp. gr. RCN ball sealers spaced evenly throughout the job. Record injection rate and all breakdown pressures throughout job. Maximum pressure is 3800 psi. Acid should contain clay stabilizer, corrosion inhibitor, and iron sequestering agent.
10. Lower packer to 5865' to knock off balls. Reset packer @ 5600' and prepare to fracture stimulate the well.
11. RU stimulation company. Hold safety meeting. Pressure test surface lines to 6000 psi (1000 psi over maximum allowable treating pressure but no greater than working pressure of surface lines). Maximum treating pressure is 5000 psi. Fracture well according to attached procedure.
12. Flow back well until returns diminish. Release packer and TOOH. TIH with workstring and clean out to RBP until sand returns and water production are minimal. TOOH with workstring. TIH with packer and workstring. Set packer @ 5600' (above Menefee) and obtain pitot gauge. TOOH. Refill 6 X 400 bbl tanks with 2% KCl water for fracture stimulation. Add 5 #'s biocide per tank before filling.
13. RU wireline. Run 5-1/2" gauge ring to 4850'. Set RBP @ 4850' (above Cliffhouse), spot 2 sx of sand, and test bridge plug w/5-1/2" fullbore packer to 3800 psi for 15 minutes..

14. Perforate w/3-1/8" HSC w/12 gr Owen 306 charges which have an average penetration in Berea of 12.0" & average perf diameter of 0.31". Perf Lewis w/ 1spf @ 4819', 15', 11', 07', 4774', 71', 69', 66', 63', 60', 57', 54', 51', 48', 45', 42', 4565', 62', 53', 42', 39', 36', 26', 22', 18', 14', 07', 05', 4494', 91', 88', 80', 77', 74', 71'. Total of 35 holes.
15. TIH with workstring and fullbore packer. Pressure test tubing to 3800 psi. Set packer @ 4270' and prepare to breakdown and balloff perforations.
16. RU stimulation company. Pump 2500 gal. of 15% HCl @ 4 bbl/min. Drop a total of 70 7/8" 1.3 sp. gr. RCN ball sealers spaced evenly throughout the job. Record injection rate and all breakdown pressures throughout job. Maximum pressure is 3800 psi. Acid should contain clay stabilizer, corrosion inhibitor, and iron sequestering agent.
17. Lower packer to 4835' to knock off balls. Reset packer @ 4270' w/500 psi on backside and recorded. Prepare to fracture stimulate the well.
18. RU stimulation company. Hold safety meeting. Pressure test surface lines to 6000 psi (1000 psi over maximum allowable treating pressure but no greater than working pressure of surface lines). Maximum treating pressure is 5000 psi. Fracture well according to attached procedure.
19. Flow back well until returns diminish. Release packer and TOOH while laying down workstring. TIH with retrieving head and 2-3/8" tubing and clean out to RBP until sand returns and water production are minimal. Obtain pitot gauges. Retrieve bridge plug and TOOH.
20. TIH with 2-3/8" tubing and clean out to bridge plug. TOOH.
21. RU wireline and run temperature survey with well flowing from 4270' to 5880'.
22. TIH with retrieving head and workstring and clean out to bridge plug. Obtain pitot gauges. Retrieve bridge plug and TOOH.
23. TIH with 2-3/8" tubing expendable check valve, and SN one joint off bottom of string. CO to 6015' (PBSD). When fluid production becomes negligible, land tubing at 5991'. Obtain final gauge.
24. ND BOP. RDMO.

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J. A. Howieson

**Vendors:**

Wireline Services:	Blue Jet Perforating Logging (325-5584)
Fracture Stimulation:	Western Company (327-6222)
David W. Wantuck	Home (325-9643) Office (326-9716)

# SAN JUAN 30-6 UNIT #100

BLANCO - MESAVERDE

SW/4, SECTION 35, T30N-R7W, RIO ARriba COUNTY, NEW MEXICO

CURRENT

PROPOSED

