

SAN JUAN 28-07 UNT # 187

30-039-20679

990' FNL – 990' FEL, SECTION 24, T28N-R07W
RIO ARRIBA COUNTY, NM

Date	Operations
5/30/2001	SICP: 240 psi, ftp:220 psi. MIRU Key Rig no. 34. Held safety meeting. Performed lo/to. Bled DN all surface equip. Bled well down. Pumped 10 bbls water DN tubing. ND tree. NU BOP. TOH with 240 joints 2 3/8" tubing. Slim 7600'. RU BJ. RIH and set 4 1/2" DBP @ 5800'. Pressure test casing and plug to 3000 psi, ok. Perf Point Lookout formation through 4 1/2" casing with 3 1/8" select fire guns as follows: 5514'-5527', 5530'-5534', 5562'-5568', 5579'-5586', 5624'-5634', and 5656'-5660' . 50 holes total. RD BJ. SWION.
5/31/2001	Prep to frac. Bled offset well on location down for lo/to.
6/1/2001	MIRU BJ and stinger. Held safety meeting. Broke PLO perms 5514-5660 with KCl water, 9.5 bpm @ 2700 psi. Dropped balls in 35 bbls and flushed with 43 bbls KCl water. Good ball action to 2580 psi. Did not ball off. Shut down. Isip: 150-vac. Stung out of casing. RIH with junk basket. Recovered 57 ball sealers. Stung into casing with isolation tool. Performed step rate test as follows: established injection rate of 45 bpm @ 2670 psi. shut down. Isip: vac. Step 1, 39 bpm @ 2065. step 2, 27.5 bpm @ 870. Step 3, 19 bpm @ 141. Isip: vac. Frac perms 5514'-5660' with 2535 bbls 2% KCl slick water with 100,000lbs 20/40sand, .5 ppg - 1.5 ppg sand conc. Max:2611. Min: 1207. Avg: 1500psi. Air: 52.7 bpm. Isip: 400-vac. SWION.
6/4/2001	SICP: RU BJ, stinger. Held safety meeting. RIH & set CBP @ 5496'. Pressure tested CBP to 3000 psi, ok. Perf Menefee formation through 4 1/2" cas w/ select fire @ 5476-5484 1/2spf, 5 holes. Bj pumped into perms @ 10 bpm @ 600 psi. Took 44 bbls to load. Isip: 50 -0 psi. Blue jet finished the perf of Menefee & Cliffhouse w/ select fire as follows: 4986' - 4994', 5026' - 5034', 5054' - 5060', 5088' - 5098', 5126' - 5134', 5230' - 5238', 5300' - 5308', 5456' - 5464' . 1/2spf. 40 holes total. RU BJ. Held safety meeting. Broke perms with 2% KCl water, 13 bpm @ 1000 psi. Spearheaded 1000 gals 15% HCl acid & pumped ball job, 18 bpm @ 1175-1870-2010 psi. Did not ball off. Isip: 300. 5 min: 100psi. Bled off pressure. Pulled stinger. RIH with junk basket. Retrieved 54 of 54 ball sealers. 41 hits. Retest lines & retest pop off. Establishing injection rate: 43bpm @2670 psi. shut dn isip: 40 psi. Performed step rate test. Initial injection rate: 40 @ 2416. step 1:34 @ 1850. step 2:25@ 1118. step 3:10 @255. isip: 30 psi. Frac with 3036 bbls 2% KCl slick water + 163,000 lbs 20/40 brown sand. Max: 2950 min: 1753 avg: 2500 psi. Air: 52 bpm. Isip: 490 5min: 383 10min: 355 15min: 340psi. SWION
6/5/2001	SICP: 40 psi. Blew well down. TIH with 3 7/8" bit, bit sub, (6) 3 1/8" dc's, x-o & 2 3/8" tubing. Built blooey line and dug burn/fluid pit. SWION.
6/6/2001	SICP: vac. Built mist to unload hole and tubing pressured up to 2000 psi. PUH to 3353' and still couldn't unload hole. TOOH and bit sub was plugged with rust out of tubing. TIH with BHA & tubing to 5399'. Unloaded hole with mist and well was making very large quantity of water. PUH to 4988'. SWION
6/7/2001	SICP: 100 psi. Bled well down. Built mist and unload hole @4988'. TIH & tag @ 5369'. Cleaned out from 5369'-5496'. Well-made 440 bbls water while cleaning out. PUH to 4988'. SWION
6/8/2001	SICP: 880 psi. Bled well down. TIH & tag @ 5476, 20' of fill. Built mist & unloaded hole. Cleaned out from 5476'-5496'. Drilled CBP from 5496'-5498'. Cleaned out from 5498'-5534'. Flowed well 3hrs to pit on a 1/2" choke, FCP: 300 psi, made 1 bbl oil, 4bbls water. Estimated rate: 1980 mcf/d. SWION
6/11/2001	SICP: 800 psi. Bled well down. TIH& tag fill @ 5697'. Built mist and c/o from 5697'-5800'. Drilled CBP from 5800'-5802'. Cont TIH and c/o from 7798'-7848'. Circ clean. TOH with 91 jts tubing, SWION
6/12/2001	SICP: 760 psi. Bled well down. TIH & tag @ 7832', 16' of fill. Built mist and unloaded hole. C/o from 7832'-7848'. Circ clean. PUH to 4988'. Flow tested as follows: FTP: 0 psi, FCP 340 psi, Flowed 6 hrs to pit, Choke: 1/2", 3 bbls water, 0 bbls oil, Perfs: DK 7578'-7835', MV 4986'-5660', Rate: 2244 MCFD, This test will be used for DHC. Test witnessed by Mark Mabe & Genaro Maez, Tubing landed @ 7600' (240 jts). SWION
6/13/2001	SICP: 740 psi. Bled well down. TOH & LD dc's & bit. TIH with pump out plug, SN, 240 jts (7588') 2 3/8"4.7# j55 8rd eue T&C used tubing. Landed tubing @ 7600'. SN @ 7599'. ND BOP. NU tree. Pressure upon tubing with air to 1900 psi. Pumped out plug & unloaded well to pit. RDPU. Cleaned location.