

WELL NAME AND NUMBER Madaex Energy Corporation
Earl Guitar No. 1 STATE New Mexico
 FIELD Malaga Morrow COUNTY Eddy
 PTD 13,250'

Date	Depth	Remarks
1/23/81 Cont'd	12205'	from 11135 to 11255', did not take weight. 4 1/2 hrs circulating to condition hole and raise mud vis. to 55 and drop water loss.
1/24/81	12205'	Circulating to condition hole. Mud Wt 13.6, Vis 54, WL 7, Ph 9, Cl 3000, FC 2/32, Sol 22%, Trace Sand, gas in mud - small flare after bottoms up. Bit #11 (Rerun) 8 1/2" HTC J44, SN DT 803, 3-20 jets, in at 11677, out at 12205. Brewster pump B-750, 5 1/2 x 16 stroke, RPM 58, Pump pressure 1800, 285 GPM, 85% efficiency. 1 hr. circ. at 12205'. 2 1/4 hrs made 3 short trips (3 stands). 3 1/4 hrs circ. for logs. 4 hrs TOH. 7 1/2 hrs logging by Schlumberger at 10132-12173, Comp. Neutron Fm. Density log. 4 1/2 hrs TIH w/bit. 1/2 hr safety wash to TD 12205, no fill. 1 hr circ. to run csg. Gas up in 50 min, 15' flare for 15 min.
1/25/81	12205'	TOH w/liner setting tool. Mud Wt 13.6, Vis 54, WL 7, Ph 9, Cl 3000, FC 2/32, Sol 22, Trace sand, PV 31, YP 19. 2 1/2 hr circ. to condition hole to run casing. 3 3/4 hr TOH w/Bit #11 (rerun). 1 1/2 hr cut drlg. line & RU casing crew. 2 hrs ran 59 jts. 7" 26# LT&C C95 casing (total 2437'). 3/4 hr RD casing crew. 5 1/2 hr TIH w/DP, strap & rabbit. 4 hrs circ, mixed cmt & SAM5 spacer. 1 1/4 hr cementing by Halliburton, 475 sx Class H cement w/.6% Halad 22, .4% CFR2, .3% HR7, .6#/Sx Gas Check, 20% excess mixed at 15.6#/Gal, yield 1.20 CF/Sx. Plug down at 3:15 a.m. MST. 7" casing set at 9764-12203' (292' overlap in 9 5/8" casing). T/Hanger @ 9767', Btm/Hanger @ 9759', stabilizers @ 10107', 10025' & 9941'. 2 3/4 hrs TOH w/drill pipe & setting tool. WOC.
1/26/81	12205'	Drilling Cement at 8386'. Mud Wt 13.6, Vis 53, WL 6.3, Ph 9.5 Cl 3900, FC 2/32, Sol 21, Trace sand, PV 31, YP 19, Annular vel. 130 DP, 240 DC, no gas in mud. Bit #11 (rerun) drilling cement, in at 8300'. WOB 3000, Pump stroke 58, Pump pressure 1800, 285 GPM, 85% efficiency. BHA: three 6 1/4 x 6 1/2" xhole DC's (93'). 22 hrs WOC. POH, laid down 19 6 1/2" x 6 1/4" DC's, 50 joints 4 1/2" Grade 3 drill pipe. TIE to 7500', tagged cement at 8300' after 24 hrs. 1/2 hr circ. and treating mud to drill cmt w/bycarb. 1 1/2 hrs drilling cement.
1/27/81	12205'	Drilling Cement Top of 7" Liner at 9607', Drilled 1221' cmt in 24 hrs. Mud Wt 12.6, Vis 44, WL 12.2, Ph 14, Cl 4400, FC 2/32, Sol 26, Trace sand, PV 14, YP 18, Hole Capacity 700, Pit volume 690. No gas in mud. WOB 5-6000, RPM 45. Pump #1 Brewster B-750, stroke & liner 5 1/2" x 16", RPM 58. Pump #2 Bethlehem G-85, stroke & liner 5 1/2" x 18". Pump pressure 1000 Pump rate 285 gal, 85% efficiency. BHA: 8 1/2" bit, three 6 1/4 x 6 1/2" DC's (93'). 24 hours drilling cmt-to top of liner. At report time, cement drilling at 1 mph.