

ATTACHMENT C-101
OXY USA Inc.
OXY MOO COW STATE #1
SEC 6 T21S R27E
Eddy County, NM

PROPOSED TD: 12450' TVD

BOP PROGRAM: 0' - 500' None
500'-3250' 13-3/8" 5M blind and pipe rams with 5M annular preventer.
3250'-12450' 13-3/8" 5M blind and pipe rams with 5M annular preventer and rotating head below 8500'.

CASING: 13-3/8" 48# H40 ST&C casing @ 500'. 17 1/2" hole.
8-5/8" 24-32# K55 ST&C casing @ 3250', 11" hole
4-1/2" 11.6# S95-N80 LT&C casing @ 12450', 7-7/8" hole.

CEMENT: Surface - Circulate cement with 275sx 65/35 C/POZ w/2% CaCl_2 + 6% gel + .25#/sx Cello-seal + .25#/sx Cello-seal followed by 250sx Class C with 2% CaCl_2 .
Intermediate - Circulate cement with 1200sx 65/35 C/POZ w/ 6% gel + 5#/sx salt + .25#/sx Cello-seal followed by 300sx Class C with 2% CaCl_2 . Cement volumes may be adjusted to fluid caliper.
Production - Cement with 800sx Super C Modified w/ 5#/sx Gilsonite + fluid loss additives and retarder. Estimated top of cement is 8500'. Cement volumes may be adjusted to hole caliper.

MUD: 0' - 500' Fresh water spud mud. Gel/Lime for pH control (9 to 10). Paper for seepage. Wt. 8.6-8.7 ppg, vis 32-34 sec.
500' - 5000' Fresh/Brine water. Caustic for pH control (10-10.7). Paper for seepage. Wt. 10-10.1 ppg, vis 28-32 sec
5000' - 9800' Cut Brine. Caustic for pH control (10-10.5). Paper for seepage. Wt. 8.4-8.5 ppg, vis 28-29 sec
9800' - 12450' Mud up with an XCD Polymer system weighing 9.5-11.0 ppg, vis 42-48 sec, WL 6-8cc.