APD - OXY Pistachio RSG Federal #1 Page 2

The proposed casing program is as follows: 9.

> 13-3/8" 48# H40 ST&C new casing set at 400' Surface:

Intermediate: 9-5/8" 36# HCK/K55 ST&C new casing from 0-4500'

5-1/2" 17# L80/S95 LT&C new casing from 0-12400' Production: S95-3600' L80-8800'

Casing setting depth and cementing program: 10.

> 13-3/8" surface casing set at 400' in 17-1/2" hole. Circulate cement with 160sx 35:65 POZ/C w/ 6% Bentonite + 2% $CaCl_2 + .25\#/sx$ Cello-Seal followed by 200sx Class C w/ 2% CaCl₂.

If cement does not circulate, a temperature survey will be run to find the TOC and then finish cementing to surface through 1" using Class C with 2% CaCl2.

9-5/8" intermediate casing set at 4500' in 12-1/4" hole. В. Circulate cement with 800sx 35:65 POZ/C w/ 6% Bentonite + 2% $CaCl_2 + .25\#/sx$ Cello-Seal followed by 200sx Class C w/ 2% $CaCl_2$.

If hole conditions dictate, a DV tool may be run to ensure that the intermediate string is cemented to surface.

If cement does not circulate, a temperature survey will be run to find the TOC and then finish cementing to surface through 1" using Class C with 2% CaCl2.

Note: Cement volumes may be adjusted according to fluid caliper.

5-1/2" production casing set at 12400' in 8-3/4" hole. С. Cement with 1200sx 15:61:11 POZ/C/CSE w/ .5% FL-25 + .5% FL-52 + 8#/sx Gilsonite followed by 100sx Class C w/ .7% FL-25.

Estimated top of cement is 6500'.

Note: Cement volumes may need to be adjusted to hole caliper.

Pressure Control Equipment 11.

> 0-400' None

400-4500' 13-3/8" 3M annular preventer, to be used as

divertor only. Exhibit A

11" 5000# ram type preventers with one set blind 4500-12300' rams and one set pipe rams and a 5000# annular type preventer. A choke manifold and 120 gallon

accumulator with floor and remote operating stations and auxiliary power system. Rotating

head below 8500'. Exhibit A.