

This Log made from Flynn-Welch- & Yates files, Artesia, New Mexico

PERCENTAGE SAMPLE LOG

Avalon Oil Co., State - Paul # 1
Sec. 26-20S-27E, Eddy County, New Mexico.
Elevation 3360' by Laughlin & Simmons.
Spudded 3/20/32

Upper Anhy - Red Beds
Salt Section

Upper Brown Dolomite

White Dolomite
CARLSBAD LIME Sec.

0-5 Red sand
20 Gyp
50 R shale 8, R sd. 2
100 Pink selenite 8, w gyp. 2
Note: Selenite is crystallized gypsum
120 Pink gyp 8, Pink selenite 2
165 W gyp 3, Pink polyhalite 5
W selenite 2
175 Pink & White gyp 8, W selen 2
205 Pink & White anhyd. 2 Pink Poly 4,
Trace of White salt
230 Gray & White anhy. 9, Pink Polyh 1
290 Pink W & G anhy 9, Pink Poly 1
310 Grey & White anhydrite
330 R shaley sand 7, G anhyd. 3
350 W & G anhy. 8, Br. dolo 2, Top
of Brown dolomite at 330'
360 W anhy. 9, G dolo. 1,
370 Light brown sdy. dolo.
410 Br. dolo 9, W anhy. 1
Odor of sulphur gas & slight
show suphur water at about 370'
425 W anhy & selen 9, Grey shale 1
440 G & Br. dolo. 9, W anhy. 1
460 W anhy 9, G dolo 1
465 Grey-green shaley sand
470 W anhy 8, R sdy. an 1, Br dolo 1
480 G & W anhy 9, G sdy. anhy. 1
495 R shaley sand
515 W anhy 8, R sdy, anhy 2
520 R sdy anhy. 7, W anhy 3
530 W anhy, Trace pink anhy
540 W anhy. & gyp 8, R sdy. anhy. 2
555 R sdy. andhy 7, W gyp. 3
580 R sd. 5, R sdy anhy 4, W anhy. 1
610 R sdy anhy. 4, W anhy. 6
635 Gray & white anhy
645 DK Gray to greenish sdy an & D

Top of White Dolomite is at 645'
650 White dolomite
670 Dark G sdy. dolo
685 W sdy dolo (Oder of Oil)
710 Sample missing
730 W sdy dolo.
730-750 W sdy dolo 5, light G dolo . 5
760 porous dolo 9, W selenite 1
Show of heavy oil at 740-745'
500' sulphur water at 745-755'
Water level increased to 650'
770 W dolo 9, Dark G dolo. 1
781 W dolo 5, Dark G dolo 5
795 W dolo. , trace grey shale
810 W dolo, slightly sdy.
827 W dolo. 5. Light brown dolo. 5
840 Brown & buff sdy & porous dolo.
some oil saturation
890 W dolo 9, Gray dolo. 1
905 W dolo.
927 Hard W dolo. 9, Gray dolo. 1
940 W selenite sand
Probable increase in water andpossibly
some gas judging from discoloration on tools
950 White dolomite
980 W dolo., trace gray dolo.

TD 1000'. Shut down temporarily.

NOTE: This well is still in good white dolomite section, which should have further possibilities for oil production from porous breaks, which will undoubtedly be found.

The well has a lime-reef section and might produce from local lensy sands lying up to and sealed off against it.

(RAK 5/21/32)

(Signed) Ralph A. Koenig