

DAILY DRILLING REPORT

Humphrey Queen Unit #27

HUMPHREY QUEEN UNIT #27, Langlie-Mattix Fld, Lea Co, NM, 990' FEL and 1570' FNL Sec 4, T-25-S, R-37-E. Mobil Intr 100% - AFE 9982 - Est Cost \$45,200. OBJECTIVE: Drill and complete WIW in Queen zone.

2/25/70 731' drlg red bed, 12¼" hole. N. Mud.
½ @ 246, 1° @ 576. C. A. Nunn Drlg Co spud 2:00 p.m. 2/24/70.

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2/26 1060 ND, 12¼" hole, red bed, 1¼ @ 1060, WOC on 8-5/8 csg, ran 30 jts 8-5/8 ST&C 20# csg, Howco cement w/ 500x Class H 8% gel ¼# floseal/x, followed w/ 200x Reg w/ 2% CaCl, PD 10:30 p.m. 2/25/70, cement circ 150x.

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2/27 1500' drlg anhy & salt, 7-7/8" hole, 1½ @ 1333.. Br Wtr.

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2/28 (5) 2650 drlg anhy and dolo, 7-7/8" hole, 2° @ 1847; 2° @ 2150; 2½ @ 2421. Br Wtr.

3/1 (6) 2980 drlg anhy, 7-7/8" hole, 2½ @ 2690, 2-3/4 @ 2901. Br Wtr.

3/2 (7) 3245 drlg sd & lm, 7-7/8" hole, 2½ @ 3120. Br Wtr.

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3/3 (8) 3420 prep to core lm & sd, 7-7/8" hole, 2° @ 3420.
10.0-34-15.0.

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3/4 (9) 3532 drlg lm, 7-7/8" hole, NND. 10.0-34-5.2.
Core #1: 3420-71, 7-13/16" hole, cut 51', rec 51' -
3420-21, sl sh of oil.
3421-25, NS.
3425-27, sh of oil.
3427-39, NS.
3439-40, sh of oil.
3440-42, NS.
3442-45, sh of oil.
3445-48, NS.
3448-49, sh of oil.
3449-68, NS.
3468-71, sl sh of oil.

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3/5 (10) 3640 drlg lm, 7-7/8" hole, 1-3/4 @ 3540. 10.0-34-6.5.
Core #2: 3540-90, cut 50', rec 50' -
3540-45, dolo & sd, NS.
3545-50, sh & dolo, NS.
3550-55, sh & dolo, sl sh.
3555-71, sd & dolo, scattered sh.
3571-84, sd, sh & dolo, sl scattered sh,
3584-87, sd, fr sh.
3587-90, sd & dolo, NS.