

Artesia Oil & Gas Co.

SOUTHLAND ROYALTY COMPANY

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DAILY DRILLING REPORT

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#1 PALMILLO-STATE COMM.

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O.C.C.
ARTESIA OFFICE

- 11-18-77 TD 11,303'; PB 11,233'; prep to displace wtr in tbg w/nitrogen. Ran Gamma Ray/Neutron & Cement Bond logs from 11,218-5820' (top of cmt). Had good cmt bonding over Wolfcamp & Morrow. Ran 337 jts of 2 3/8" 4.70# N-80 tbg, set @ 10,685', pkr @ 10,648'. Installed tbg head. Shut well in. ECC \$421,780. (AFE #7439 - \$591,500.)
- 11-19-77 TD 11,303'; PBTD 11,233'. Tbg press 1650#. Displace water in tbg w/nitrogen. Close sliding sleeve. Left 4000# on tbg. Perf 2 holes per ft. @ 11,003', 13', 18', 20', 25', 28', 34', 38', 48', 58', 63', & 66'. Total 24 holes. Bled pres. Gas to surface in 20 min. Making small amount of gas. Too small to measure, SI. ECC \$426,540 (AFE #7439)
- 11-20-77 TD 11,303'; PBTD 11,233'. Tbg pres 1500#, csg 500#. Bled pres off tbg, rec. 2 bbls, KCL water. Swab 7 bbls. KCL water. 1/2 bbl dist. Csg went on vacuum. Water in tbg. SI. ECC \$427,390
- 11-21-77 TD 11,303'; PBTD 11,233'. Prep to spot acid over perfs. Tbg @ 11,090'. Pkr @ 10,994. Trip tbg. Sliding sleeve was open. Left sliding sleeve out, SI. ECC \$429,080
- 11-22-77 TD 11,303'; PBTD 11,233'. Flowing 400 to 500 MCFGPD. Spot 500 gals of 7 1/2% MS acid over perfs. Pull tbg to 10,967 packer @ 10,867, formation broke @ 2550#. Treat pref @ 3800# 2 BPM. ISDP 2800# 5 min. 1500#. Have 54 BLW to rec. Flow & swab 53 BLW. Making 100 MCFGPD w/trace of dist. Rig up & acidize w/2000 gals of 7 1/2% MS acid & 81,000 SCF of nitrogen. Use 5000 SCF of nitrogen for pad & 76,000 in acid & flush. Max. treating pres 5750# Min. treating pres 5200# @ 3 BPM. ISDP 4300# 5 min. 3900#. Have 76 BLW. Flow & swab 38 BLW. Flow 400 MCFGPD on 3/4" ck. 25# pres. Making trace of water & dist (AFE #7439 - ECC \$437,655)
- 11-23-77 TD 11,303'; PBTD 11,233', testing. Flowing on 14/64" ck., 400# tbg pres; 470 MCFGPD, made 3 1/2 bbls dist & 3 bbls of load water in 12 hrs. (AFE #7439 ECC \$438,855)

