

STATE SEC 27 #2, vacuun Bone Spring, Devonian and recomplete in Bone Spring. AFE 7023 - Mobil Intr 100% -
Est Cost \$11,000.

12/30/68 13,813 TD, 11,900 PSTD, Dev (11,473-11,513).
MIRU X-Perf Well Serv DD unit. SD for nite.

STATE SEC 27 #2, 13,813 TD.

12/31 Inst'l BOP, pulled 2-3/8 tbg, pkr & pump, ran Howco 7" SVDC retainer on 2-3/8 tbg to 8000. SD for nite.

STATE SEC 27 #2, 13,813 TD.

1/2/69 Finish running Howco SVDC ret on tbg set @ 10,994, Howco squeezed Dev perms w/ 300x T1N cement, Max Press 2700, dumped 20x of cement on plug, pull 2-3/8 tbg, Schl ran GR-N-Collar log from 6100 to 9100. SD for nite. Prep to perf in Bone Spring.

STATE SEC. 27 #2, 13,813 TD

1/3 Schlumberger perfed 7" csg in the Bone Springs @ 8823, 27, 45, 59, 63, 64, 65, 67, 69, 71, 80, 8949, 51, 59, 60, 61, 62, 66, 67 and 8968' with 1 JSPF, total of 20 holes. Ran Howco RTTS pkr on 2-3/8 tbg, end of tbg 8818 pkr set 8754, then sw 36 BLO in 3 hrs, sw dry 1 hr, SI 13 hrs, TP sl vacuum 400' FIH, prep to acidize.

STATE SEC 27 #2, 13,813 TD, Bone Spring (8823-8968)

1/4 S 1 BLO/1 hr, sw dry 1 hr, unseat pkr, ran tbg to 8879, Western Co washed Bone Spring perms w/ 500 gals 15% NE acid, reset tbg @ 8818, pkr @ 8754, Western Co acidized perms w/ 500 gals 15% NE acid, TTP 3900-4000, rate .89 BPM, ISIP 4000, 6 min SIP 3800, job compl @ 11:30 a.m. 1/3/69, then sw 38 BLO + 2 BNO + 5 BAW/5 hrs, 500' FIH, no gas, sw 1 bbl L hr S/O 5% AW. SD for nite.

1/6 Sw 15 BNO/9 hrs, 100' FIH, no gas, Western Co acidized perms w/ 5000 gals 15% NE acid using 20 RCN ball sealers, TTP 6000 to 6100, rate 3.9 BPM, ISIP 4700, 5 min SIP 4500, job compl 5:00 p.m. 1/4/69, then sw 36 BLO + 28 BNO + 60 BAW/37 hrs, 200' FIH, sl sh of gas, sw 2 bbls L hr cont to sw. - 60 BAW to rec.

STATE SEC 27 #2, 13,813 TD, Bone Spring (8823-8968)

1/7 Sw 8 BNO + 3 BAW in 11 hrs 200' FIH, sl sh of gas, sw 1 Bbl L hr S/O 3% AW, SI 11 hrs, TP 60#, 2800' FIH, cont to sw test. - 57 BAW to rec.

STATE SEC 27 #2, 13,813 TD, Bone Spring (8823-8968)

1/8 Sw 13 BNO + 2 BAW/12 hrs, 200' FIH, very sl sh of gas, L hr sw 1 Bbl S/O 3% AW, SD for nite, SI 12 hr, TP 75#, 2800 FIH, prep to SWF. - 55 BAW to rec.

STATE SEC 27 #2, 13,813 TD, Bone Spring (8823-8968)

1/9 Sw 8 Bbls fluid/3 hrs, sw dry, pull 38 stands of tbg, SD for wind.

STATE SEC 27 #2, 13,813 TD, Bone Spring (8823-8968)

1/10 Finish POH w/2-3/8 tbg and RTTS pkr, ran RTTS pkr on 3-1/2" N-80 X-Line tbg set pkr @ 8737', then Western Co. SWF Bone Springs Perfs 8823-8968 w/20,000 gals 9.5# gelled SW containing 20# guar gum + 20# Adomite Aqua/1000 gals + 20,000# 20/40 Ottawa sand-dropped 5 RCN balls after 6000 gals frac, drop 5 after 12,000 gals frac, pumped 2000 gals pad ahead of frac - BDTP 6100#, TTP 5200-5700# (good ball action) rate 17.9 BPM, ISIP 3700#, 5 min SIP 3600#, job complete 5:30 P.M. 1-9-69, SI 12-1/2 hrs, TP 1850#, prep to bleed off press, P 3-1/2" tbg. - 39 BLO + 55 BAW + 609 BLW

STATE SEC 27 #2, 13,813 TD, Bone Spring Perfs (8823-8968)

1/11 Bled off 59 BLW/6 hrs on 18 to 48/64 ck, TP 1850 to zero, unseat RTTS pkr, P & LD 100 jts 3-1/2" tbg, SD for nite. - 39 BLO + 55 BAW + 550 BLW.

1/13 Finish LD 3-1/2" tbg & RTTS pkr, ran sinker bars on SL to 10,703, then run 2-3/8" tbg to 9003', T perfs 8969-72, tbg anchor @ 8964', SN @ 8963, then sw 25 BLW/1 hr, SD for nite, then sw 3 BLO + 120 BLW/10 hrs, 5500' FIH no show of gas, no show of sand, SD for nite. - 395 BLO + 450 BLW to rec.