

Report on casing shut off 7" csg and perforating

SOUTHWEST PRODUCTION CO., Callow Federal #1

Sec. 33 T29N R13W San Juan Cty

TD 6070' PBD 6022.46'

Ran 7" LHC 26# csg to 6069.66 w/one DV tool @ 5570', second DV tool at 1720', cemented Dakota section w/ 90 sx, top of cement @ 5570' or DV tool. Lost circulation while circulating out excess cement above tool. Moved out drilling rig, moved in completion rig.

Opened top tool @ 1720', broke circulation, cemented Pictured Cliffs w/150 sx picked up tubing drilled out DV tool @ 1720' set packer 30' above bottom DV tool (5540'), displaced 125 sx -75 sx 1/1 Permox 2% gel 12# Gilsomite added, and 50 sx Reg ME. Waited on cement 36 hrs. drilled out to 6022.46. Perforated Dakota (Gas) Zone w/2 1/2" JHPF-

Dakota Perfs: 5810-5846; 5903-5926; 5934-43

Treated w/1500 gals MEA 15% and 70,000 gals water, 70,000# 20/40 sand
Max press 3100# Min press 1900# Inj Rate 56.5 BPM

Set Baker Model D Production (Latch Type) Packer @ 5754' w/Knockout Plug in Bottom. Shot 4 1/2" holes at 5160' set Packer above and swabbed for test on cement job. Received mud from behind pipst here displaced 100 sx Reg ME through perforations. WOC, 34 hrs. cleaned out pressured up to test for job, broke down @ 1400#, set Full Bore Retractable @ 5130', displaced 100 sx Reg ME WOC 36 hrs cleaned out to top of Model D packer. Pressured up to test, pumped in @ 2800# Squeezed w/17 sx ME to 3000#. WOC 36 hours, cleaned out to top of Model B. Perforated Gallup Zone: (Oil)

Gallup Perfs: 5164-5204; 5218-5266 w/ 2 1/2" JHPF

Set Packer above perfs A/2800 gal MEA 15% swabbed for test. Recovered acid and new oil after clean up

RF/60,000 gals oil w/14BPG Flashed w/252 bls. oil 90 bls. overflush
Max Press 2300# Min press 2100# Shock Down Pressure 1100# SI 1300# 15 min
SI Pressure 1500# In Rate 60 BPM Waited 8 hrs after free Press 900#, bled
off pressure slowly Ran tubing w/packer, swabbed for production test,
swabbed 500 bls. well started to flow, produced 90 bls. first 8 hrs.
through 1/2" Ch Tubing pressure 300#

Deal completion application will be filed with New Mexico Oil Conservation Commission



U.S. CONSERVATION COMMISSION
ALBUQUERQUE DISTRICT OFFICE

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