

Sulphur Falls Govt 1-A



Equity Oil and Gas Co.

Surface Location: 1080' SNL & 1800' WEL, of Section 26

API # 103-05041

Estimated Job Start date 8-26-2021

1. Contact COGCC 48 hours prior to commencement of P&A Work
2. Build 18" berm around well head, Build 2' berm for outer perimeter area of work.
3. Haul in and set up WOG flow back tank, hard line and 50bbl water tank.
4. Install 3" Drill out sealed saddle clamp with 1" NPT collar, Nipple and Valve.
5. Haul in small pump and 15 bbl. tank with Brine mix.
6. Install ground rod and ground cables to well head and equipment, tap ¼" hole with water drill into DHM (DHM has numerous pin holes and has been leaking as previous inspections has shown) slowly bleed well down to Grounded flow back equipment.
7. After well has blown down use water drill to open hole size to ½". Clean around DHM with shovels to look at surface cement job and casing.
8. Hook up pump and try to inject brine mix down well bore 1-2 gal per minute not exceeding 300psi watch DHM and surface for leaks. If well will take fluid, try to pump 10 bbl.
9. Let well set for 30 min. Monitor well, then try to pump an additional 10BBL. Down well. Monitor well for several hours.
10. Machine out bottom 1/2 of API J-55 casing collar for well, (slip on and weld out when well is isolated for BOP set up)
11. Call WOG Denver Engineer & Supervisor to update.
12. Pump another 10bbl. Of brine down well, while well is dead cold cut DHM from casing,
13. RU crane and top drive, clean casing down approx.: 15-20 feet keeping well full of brine
14. Set packer in well with knock out disc to isolate well.
15. Clean area prep for collar installation.
16. Slip on Machined API J-55 collar, weld out bottom of machined collar to casing top, weld on support rings for cement anchors, install 5K flange bolt on bop to isolate well, for pressure test
17. Retrieve packer.
18. Utilizing crane and top drive, drill through remainder of cement plug (approximately 70-90' deep)
19. If possible, run down to around 820' and circulate wellbore clean. Be wary of trash in the wellbore.
20. RIH with gauge ring. Then RIH with CBL and log 7" casing from 820' to surface. Wait on results of CBL to determine if procedure perforation intervals are going to work. Contact engineer with results of CBL to adjust plug depths accordingly.
21. RIH with perforating guns and shoot holes at 800'
22. Monitor backside of 7" casing and check injectivity of perms.

- 23.** TIH with cement retainer. Set 30' above perforations. Mix 45 sks of Class G, 1.15 cu-ft/sk 15.8ppg cement. (Yield 9.22 bbls).
- 24.** Unsting from retainer, Spot 45 sks/9.2 bbls of slurry to EOT, sting back into retainer. If possible, pump 8 bbls into retainer and spot remainder on top of retainer. TOOH 4 stands and reverse clean with fresh water.
- 25.** TOOH and RIH with perforating guns and shoot holes at ~316'. POOH and LD guns.
- 26.** TIH with cement retainer and set @ approximately 275'. Check injectivity. Sting out of retainer.
- 27.** Mix 45 sks of Class G, 1.15 cu-ft/sk 15.8ppg cement. (Yield 9.22 bbls). Squeeze 8 bbls into perforations or until cement shows at surface in casing annulus. Pump remainder on top of retainer. TOOH 4 stands and reverse clean with fresh water.
- 28.** Mix 20 sks of Class G, 1.15 cu-ft/sk 15.8ppg cement. (Yield 4.1 bbls). Fill production casing from ~100' to surface. If production casing annulus does not have cement to surface use a 1" hose to fill casing to surface.
- 29.** Weld on cap with plugging information plate. (API #10305141) (Well Name – Sulphur Fall Govt 1-A)
- 30.** Back fill cellar.
- 31.** Reclaim disturbed surface.
- 32.** After plugging operations have been completed, the cementer of the well must fill out, sign and submit a Plugging Report within 30 days.