

FRAM OPERATING LLC
Kelley 23-2
NENW Sec 23, T2S, R2E
#05-077-08884
Mesa County, Colorado

GL: 5,535'; RKB: 5,546'; TD 2,012';' PBTD: 2,012'

Spud date: 05-25-05
Surface casing: 7" 23# @ 352'
Production casing: 4 ½" 11.6# J55 @ 1,750'
Production tubing: 2 3/8" EU 8RD J55 4.6# @ 2,012'
Producing formation: Dakota

Proposed work: Plug and abandon subject well
Well Information: Well was drilled to top of the Dakota, production casing was set at 1946', and well was air drilled through the Dakota to 2,027'.
Dakota was never stimulated.

NOTE: Notify COGCC 24 hrs prior to any work.

1. MIRU workover rig, tank, pump and ancillary equipment.
2. Plumb well into rig tank and blow down well, hook up and pump 5 bbls down tubing.
3. ND wellhead and NU BOPs.
4. POOH with tubing [tally out].
5. RIH with tubing to 2,021' [careful below 1,946', OH is small] and MIRU cements.
6. Mix and pump 11 sacks cement [1% CaCl, 1.18 ft³/sack, 7 bbls displacement], POOH to 1,500' and WOC minimum 2 hours.
7. RIH and tag plug top @ 1,871' then POOH to 993'.
8. Mix and pump 8 sacks cement [2% CaCl, 1.18 ft³/sack, 3.5 bbls displacement], POOH to 500' and WOC minimum 2 hours.
9. RIH and tag plug top @ 893' then POOH with tubing.
10. MIRU wireline and PU squeeze perforation gun.
11. RIH and perforate 4-1/2" casing at 402' [4 spf, 39 gr.]. POOH with wireline.
12. PU and RIH with CICR, set CICR at ~ 395'.
13. Open backside up to rig tank and establish circulation up annulus.
14. Mix and pump 10 sacks cement [2% CaCl, 1.18 ft³/sack, 1 bbl displacement], squeeze 1 bbl into annulus before stinging out of CICR; pump 1.5 bbls above retainer. POOH with tubing and WOC minimum 2 hours.
15. RIH and tag plug top @ 302', POOH with tubing.
16. MI backhoe and excavate wellhead to a depth of 8'; MIRU welder and cut off surface and production casing 6' below ground level.

17. RIH with 2 jts. tubing down 4-1/2" and 1" down annulus. Mix and pump 10 sacks cement [2% CaCl, 1.18 ft³/sack]. Top out as necessary.

18. RDMO workover rig and equipment, install dry hole marker.

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