Workover Procedure Willow Lake #1 - Delaware Formation

- 1) Move In and Rig Up workover unit
- 2) Rig up pumps and load hole with Kcl fluid
- 3) Nipple down tree and pull 9000' of 2 3/8" tubing
- 4) Rig up wireline unit and run cement bond log from 6500' to 4000'
- 5) Run in hole and perforate Delaware formation from 4,764' to 4,796'.
- 6) Rig down wireline unit.
- 7) Pick up retrievable packer and 4,600' of 2 3/8" tubing.
- 8) Set packer at 4,600' and test casing to 1000#
- 9) Nipple up tree and rig up well to test tanks.
- 10) Swab test well.
- 11) Release W/O rig and rig up swab unit.
- 12) Rig up pump truck and treat perforations w/ 2000 gal of acid
- 13) Swab test well and flow to tanks
- 14) Rig down swab rig and set production equipment.
- 15) Rig up stimulation company and fracture Delaware sand with 20,000# of 20/40 sand and gel.
- 16) Rig up swab unit and swab test well to tanks through production equipment.
- 16) Turn well to sales

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