

HOBBS OFFICE OCC
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In order to increase production it is proposed to plug back to shut off water.

1. Pull tubing and packer.
2. Run Gamma-Ray Neutron log with collar locator. Run 1000' of detail from bottom.
3. Run Induction log in open hole to locate water zones.
4. Run 2-3/8" tubing with Baker retrievable bridge plug and parent packer, set bridge plug in base of 5-1/2" casing at approximately 3650'. Release from bridge plug, displace mud in casing with water, set packer few feet above bridge plug; pressure test below packer to check bridge plug for leaks. If OK, reset packer at 2900' and pressure test below packer with 200# surface pressure. Pressure test above packer at the following setting depths and pressures:

<u>Packer Setting</u>	<u>Surface Pressure</u>
<u>Depth</u>	<u>PSI</u>
2900'	100
2500'	200
2000'	400
1500'	600
1000'	800
500'	1000

Unseat parent packer, lower tubing to top of bridge plug, displace water in casing with mud, and pull tubing with straddle tools.

5. Contingent upon interpretation of Gamma Ray-Neutron and Induction logs, plug back with Calseal and Hydramite to point determined from logs. Squense each Hydramite dump.
6. Run 2-3/8" tubing with Hookwall packer and set packer in base of 5-1/2" casing. Sumb and test to ~~confirm~~ water shut off and oil production
7. Additional work will be contingent upon results obtained.

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In order to increase production it is proposed to...

1. Full tubing and packer.
2. Run down-rod section log with surface control. (1000 ft of normal from bottom).
3. Run induction log in open hole to 1000 ft below casing.
4. Run 2-3/8" tubing with beam resistance log to 1000 ft below casing. (1000 ft of normal from bottom).
5. Release from bridge plug, displace and to casing head, packer, set bridge plug in case of 2-3/8" tubing. (1000 ft of normal from bottom).
6. Release from bridge plug, displace and to casing head, packer, set bridge plug in case of 2-3/8" tubing. (1000 ft of normal from bottom).
7. Check bridge plug for leaks. If OK, test with 1000 ft of normal from bottom.
8. Test below packer with 200 ft surface resistance log, set surface resistance log, set surface resistance log, set surface resistance log.

Section	Depth
1000'	1000'
2000'	2000'
3000'	3000'
4000'	4000'
5000'	5000'
6000'	6000'
7000'	7000'
8000'	8000'
9000'	9000'
10000'	10000'

1. Run down-rod section log with surface control. (1000 ft of normal from bottom).
2. Run induction log in open hole to 1000 ft below casing.
3. Run 2-3/8" tubing with beam resistance log to 1000 ft below casing. (1000 ft of normal from bottom).
4. Release from bridge plug, displace and to casing head, packer, set bridge plug in case of 2-3/8" tubing. (1000 ft of normal from bottom).
5. Release from bridge plug, displace and to casing head, packer, set bridge plug in case of 2-3/8" tubing. (1000 ft of normal from bottom).
6. Check bridge plug for leaks. If OK, test with 1000 ft of normal from bottom.
7. Test below packer with 200 ft surface resistance log, set surface resistance log, set surface resistance log, set surface resistance log.