

RECOMMENDED PROCEDURE
MALAGA "A" WELL #1

PLUG AND ABANDON

RECEIVED

JUN 16 1983

O. C. D.
ARTESIA, OFFICE

1. Move in and rig up double drum workover unit. COOH with plunger. Install BOP. COOH with 2-7/8" tubing and Baker seal assembly.
2. GIH with Baker "DR" latching-type packer plug on 2-7/8" tubing. Latch plug into model F-1 packer. Release tubing from plug. Load hole with 9.5#/gal mud laden fluid.
3. _____ to spot 10 sacks of 15.6#/gal Class H cement with .2% D13 retarder mixed at 15.6 ppg (mix water 5.2 gal/sx). TT \approx 3:40. Displace cement with 70 bbls 9.5#/gal mud-laden fluid. Raise tbg to \pm 11900'. Reverse tubing clean. COOH.
4. Weld pull nipple on 5-1/2" casing. Run freepoint, cut and pull casing. (TOC by temperature survey at 10560')
5. GIH with 2-7/8" tubing to 50' below cut-off point and spot 30 sacks of Class H cement with .2% D13 retarder (15.6 ppg, TT \approx 4:00). Displace cement with mud-laden fluid. Pull tubing 6 joints and reverse clean. WOC. Tag and record top of plug. (TOC to be minimum of 50' above csg cut.)
* Need 40 sx plug @ top of wce 9440 (9390-9490)
6. Pull tubing to 9093' and spot 40 sacks Class H cement with .2% D13 retarder (15.6 ppg, TT \approx 4:30). Displace cement with 52 bbls mud-laden fluid. (This plug will cover the top of the 3rd Bone Springs Sand.) Pull up 7 joints and reverse tbg clean.
7. Pull tubing to 8601' and spot 40 sacks Class H cement with .2% D13 retarder (15.6 ppg, TT \approx 5:00). Displace cement with 49.5 bbls mud-laden fluid. (This plug will cover the top of the 2nd Bone Springs Sand.) Pull up 7 joints and reverse tbg clean.
8. Pull tubing to 7170' and spot 40 sacks Class H neat cement (15.6 ppg, TT - 3:20). Displace cement with 41 bbls mud-laden fluid. (This plug will cover the top of the 1st Bone Springs Sand.) Pull up 7 joints and reverse tbg clean.
9. Pull tubing to 6580' and spot 40 sacks Class H neat cement (15.6 ppg, TT \approx 3:20). Displace cement with 38 bbls mud-laden fluid. (This plug will cover the 8-5/8" casing shoe.) Pull tubing 6 joints and reverse clean. WOC. Tag and record top of plug. (TOC minimum to be 6480'.)
10. Pull tubing to 6208' and spot 35 sacks Class H neat cement (15.6 ppg, TT \approx 3:50). Displace cement with 35 bbls mud-laden fluid. (This plug will cover the top of the Bone Spring formation.) Pull up 5 joints and reverse tbg clean. COOH