

PLUGGING PROCEDURES

BHP Petroleum (Americas) Inc.
Burton Flat Unit #12
Eddy County, New Mexico

Well Specs:

13-3/8" set at 600', Cement circulated to surface
9-5/8" set at 3016', Cement circulated to surface
5-1/2" set at 11,475', TOC calculated at 3968'; D. V. Tool at 6084'
2-3/8" tubing set at 9038'
PBSD 11,210' with open perforations from 9230' to 9250'.

Procedure:

1. Move in and rig up pulling unit and plugging equipment. Dig work pit.
2. ND wellhead and NU BOP. POOH with tubing and lay down production equipment.
3. Rig up wireline unit. RIH with dump bailer and cap the existing CIBP at 11,210' with 5 sacks of cement. RIH with 5-1/2" CIBP and set at 9200'. Rig down wireline unit.
4. RIH with tubing open-ended to 9200'. Mix mud and circulate hole with 10#/gal. MLF. Spot 10 sacks of cement on top of CIBP.
5. PUH with tubing to 7034' and spot a 25 sack cement plug across the DV tool. POOH with tubing.
6. ND BOP and wellhead. Weld on a 5-1/2" pull nipple. Pull on casing, remove casing slips and determine free point from stretch. Rig up wireline unit and cut casing at free point (3700' +/-). Rig down wireline unit.
7. POOH with casing and lay down.
8. RIH with tubing open-ended 75' inside 5-1/2" casing stub, and spot a 55 sack cement plug leaving 75' below the stub and 75' above the stub. WOC and tag.
9. When plug tags okay, PUH with tubing to 3066' and spot a 65 sack cement plug across the 9-5/8" casing shoe leaving 50' below and 50' above. WOC and tag.
10. When plug tags okay, PUH with tubing to 650' and spot a 40 sack cement plug across the 13-3/8" casing shoe leaving 50' in and 50' out. POOH with tubing.
11. Cut wellhead off 3' below ground level and place a 20 sack cement plug in surface. Rig down equipment and move off location.