Plugging Procedure

Codell

Existing Perforations:

Codell: 7156’-7166’

Squeeze holes: 360’

PBTD: 7261’

8 5/8" 24# @ 312' W/ 250 sks cmt.

4 1/2" 11.6# @ 7261' w/ 216 sks cmt

Procedure:

1)MIRU Excavation crew

2)Locate and dig up old wellhead

3)Cut old casing and weld new casing stub to bring to surface, fill in hole

4)MIRU workover rig

5)RIH w/ bit, tag and drill through surface plug

6)Clean out to CIBP @ 6650’

7)MIRU Wireline and RIH w/ CBL to locate cement top

8)TIH to dump more cement on top of existing CIBP

9)Shoot squeeze holes above existing cement top and 500’ above existing cement top

10)Set cement retainer 15’ above top perfs

11)TIH and circulate cement to fill up annulus and 200’ of 4 ½” casing

12)Shoot squeeze holes @ 4700’ and 3700’

13)Set cement retainer @ 3700’

14)Pump cement to cover from 3700’-4700’ in annulus and casing

15)Shoot squeeze holes @ 600’ and just below existing surface plug

16)Set cement retainer above upper perfs

17)TIH circulate cement to cover from 600’ to 360’ in annulus

18)Fill casing with cement from retainer to surface

19)Dump 10 sx at surface