LEGACY RESERVES

State SA #2 – P&A Procedure Revised

30-025-01920

Est'd start date: 9/01/14

Well Info:

Spudded 5/4/1957
13-3/8", 48# surface casing set at 378' (cemented with 370 sx to surface)
9-5/8", 36# and 40#, J-55 intermediate casing set at 4545' (cemented with 1,948 sx to surface)
5-1/2", 17# and 20#, J-55 and N-80 production casing set at 10,740', cemented with 250 sx, original cement top at 9710' by temp. survey
2-7/8", 6.5#, N-80 tubing with Arrowset 1X packer at 10,469', SN at +/- 10,465'
1-1/4" pump and 1"/7/8" rod string
PBTD +/-10,690'
TD 10,740'

Procedure:

1. Notify NMOCD-Hobbs (575-393-6161) 48 hrs. prior to commencing operation.

2. MIRU plugging company. NU BOP. Release packer and POH with 2-7/8" tubing. Lay down packer.

3. Cement Plug #1 (5-1/2" casing): MIRU wireline unit. RIH with CIBP on wireline and set at 10,520'. POH with wireline. Spot 25 sx cmt on CIBP.

4. RIH with 2-7/8" tubing, hydrotest tubing in hole to 7,000 psig and circulate hole above 10,480' with plugging mud (250 bbls). Test CSG.

4A. POOH to 7250'. Perf & Sqz with 25 sx.

Revised Procedure: *

5. Spot a 50 sx Class "C" cement plug via open ended tubing on top of 5-1/2" parted casing at 5,230'. Would like to have 100' of cmt back inside 5-1/2" casing. WOC & Tag. Test CSG.

6. Cement plug #2 (9-5/8" casing): Lay down tubing to 4500', RIH with 2-1/8" thru-tubing perf gun, perf 5-1/2" casing with 4 shots at 4595', POH with wireline and sqz 40 sx Class "C" cement from 4495'-4595'. POH and lay down tubing. WOC & Tag.

6A. Perf @ 1660' (T. Salt). Sqz w/ 25 sx. WOC & Tag.

7. RIH with 3-1/8" perf gun and perf 5-1/2" casing with 4 shots at 428'. POH and RDMO wireline unit. Circ. cmt to surface.

8. Cut casing below bradenhead. Weld steel cap over 13-3/8" surface casing and weld hole marker above steel cap. Clean location.

*Corrections in **RED** per Mark Whitaker's (NMOCD) approval of NOI to PXA (Form C-103) on 02/03/14.*

SEP 09 2014

Step 5 per phone conversation with Maxey Brown (NMOCD) on 08/04/14.

Maxey Brown
9/9/2014

Craig Sparkman
Petr. Eng.