

8. PU 5-1/2" Cement Retainer, RIH and set @ 3034' (50' above top perf). Establish injection rate pumping through retainer at 1-2 BPM not to exceed 1500 psi. Sting out of retainer to ensure it is functioning properly. Sting back into retainer.
9. With tubing stung into cement retainer, RU the cementing co. on the tubing and pump 85.0 sxs cement. Squeezing casing interval from 3034'- 3570'. Sting out of retainer and spot 25 sxs of cement on top of cement retainer (TOC should be at 2784'+/-).

Cement:

Volume of Cement 110 (sacks)
 Cement Class* C
 Service Company* SIERR
 temp pkr or Retainer Depth 3034 (ft)
 Type of Job* P&A

10. POH with tubing bottom at 2700' and reverse circulate the tubing clean with 35+ bbls of fluid or until clean fluids return to surface.
11. Once plug is set, RU Pump truck on tubing and load casing to surface with plugging fluid. Plugging fluid should consist of 10 lb BW mixed with 25 lbs. salt gel per bbl of BW.)
12. POH laying down the workstring to 1530' and then finish POOH standing the rest of the workstring back in the derrick. RU Wireline w/ Exxon Class II lubricator and RIH w/perf gun for 5-1/2" casing to 1530'.

Perforate:

Gun Type* <u>HE</u>				
Gun Size <u>2-3/8"</u>		(inches)		
Phasing <u>90</u>				
top of Interval	Bottom of Interval	Spacing	Shots per ft	Total
<u>1529'</u>	<u>1530'</u>	<u>1'</u>	<u>4</u>	<u>8</u>
_____	_____	_____	_____	_____

13. POH with casing gun and RD Wireline Co. PU and RIH with tension packer to 1430' and set packer. RU Cementing Co. on tubing and pump down the tubing to circulate thru perfs and up the annulus. Once good circulation is established, release the packer and POOH to lay down packer.