

**RE-ENTRY PROCEDURE
for the
LUSK DEEP UNIT "A" #3**

<u>Tubular Design</u>	<u>Depth</u>	<u>Size/Wt/Grade</u>	<u>Pressure Rating*</u>		<u>Top of Cement</u>
			<u>Burst</u>	<u>Collapse</u>	
Surface Csg:	0-786	13-3/8"/54.5#/J-55	2730#	1130#	Surface
Intermediate Csg:	0-4552	9-5/8"/40#/N-80	5750#	3090#	Surface
DV Tool:	2522	N/A	N/A	N/A	Surface
Production Csg:	5400-12439	5-1/2"/17#/N-80	7740#	6280#	10065
Tubing:	None				

* -Pressure Ratings do not include safety factors

1. Dig out around wellhead and remove P&A marker. Attach 9-5/8" (Slip on Weld) X 5-1/2" 3000 psi Figure 92 Intermediate Casing Head.
2. MIRU WSU.
3. Screw on flange and Nipple up BOP's and Stripper Head. (4-1/8" rams will be needed.)
4. RU PAH Triplex Pump, close blind rams and pressure test casinghead and BOP's to 1000 psi for leaks.
5. RU 2.5 Ton Power swivel, a 7-7/8" bit, 4-1/2" Reg Box X 2-7/8" IF Box Bit sub, (6) 4-1/8" Drill Collars, 2-7/8" IF Pin X 2-7/8" 8rd Box Crossover sub, and ~ 5200' of 2-7/8" J-55 EUE tubing.
6. Reverse Circulate while drilling out the surface plug @(Surface - 30'). Close pipe rams and pressure test casing to 1000 psi for 10 minutes, after surface plug has been drilled out. POOH with drilling assembly and replace 4-1/8" rams with 2-7/8" rams. RBIH with drilling assembly and drillout cement plug located @(700' - 800'). Pressure test casing again to 1000 psi. Drill out cement plug @(2400' - 2500') and clean out to bottom plug located @~4443'. Pressure test casing to 1000 psi for 30 minutes and monitor leakoff. If pressure test fails contact Midland for further instructions.
7. Reverse circulate hole clean with 3% KCL water. Dispose of reverse circulated fluid into drillwell pit if fluid is highly contaminated.
8. Drill out bottom plug located @(4443'-4552') conventionally and cleanout/drillout to openhole cement plug located @~ 5323'. Circulate hole clean, making short trip if necessary.
9. POOH and rack tubing back in derrick and laydown drillcollars. RD BOP's.
10. RU casing crew and RIH with guide shoe, 1jt 5-1/2" 15.5# K-55 LTC, float collar, and ~125 jts of 5-1/2" 15.5# K-55 LTC casing. Estimated casing setting depth is 5300'. Run (5) Centralizers. One just above shoe held in place by limit ring, one at 4950', one at 4850' and one above and below intermediate casing shoe located @~4552'. Threadlock the shoe, float joint, and bottom three joints of casing. Make up casing with power tongs to 2220 ft-lbs torque. **Notify the (NMOCD) and (BLM) 24 hours prior to cementing.**
11. RU BJ. Break circulation and reciprocate the casing while pumping 50 bbls freshwater and 500 sacks of 50:50 Poz Class "C" +2% Gel + 5% Salt +.5% FL-62. (Wt=14.34ppg, Yield 1.26 cu-ft/sk, Pump Time 3:00 hours) Displace cement with 10 bbls freshwater spacer then follow with 2% KCL water. Test plug and leave well shut-in for a minimum of 12 hrs before pressure testing casing.
12. Set casing slips and screw on a 5-1/2" (Female Threaded) X 2-7/8" Larkin "R" Head. A 5-1/2" (Slip on Weld) X 5-1/2" (Male Threaded) Bell nipple may be necessary depending on where the casing is landed.