

APPLICATION TO DRILL

DEVON-SFS OPERATING, INC.
 RIFLEMAN "6-H" FEDERAL COM. # 2
 UNIT "H" SECTION 6
 T22S-R26E EDDY CO. NM

9. CEMENTING & SETTING DEPTH:

20"	Conductor	Set 40' of 20" conductor and cement to surface with Redi-mix
13 3/8"	Surface	Set 500' of 13 3/8" 48# H-40 ST&C casing Cement with 460 Sx. of Class "C" cement + additives, Circulate cement to surface
9 5/8"	1st Intermed.	Set 2400' of 9 5/8" 36# J-55 LT&C casing. Cement with 795 S of Class "C" cement + additives, Circulate cement to surface
7"	2nd Intermed.	Set 10,000' of 7" 26# L-80 & J-55 LT&C casing. Cement with 601 Sx. of Class "C" cement + additives, estimate top of cement 5000'±.
4½"	Production Liner	Set 1900' of 4½" 11.6# L-80 LT&C liner from 11,600' to 9700'. Cement with 217 Sx. of Class "C" cement + additives, cement to top of liner.

10. PRESSURE CONTROL EQUIPMENT: Exhibit "E" shows a 1500 Series 5000 PSI working pressure B.O.P. consisting of an annular bag type preventor, middle blind rams and bottom pipe rams. The B.O.P. will be nipped up on the 13 3/8" casing and tested to API specifications. The B.O.P. will be operated at least once in each 24 hour period and the blind rams will be operated when drill pipe is out of hole on trips. Full opening stabbing valve and upper kelly cock will be utilized. Exhibit "E-1" shows a hydraulically operated closing unit and a 2" 5000 PSI choke manifold with dual adjustable chokes. No abnormal pressures or temperatures are expected.

11. PROPOSED MUD CIRCULATING SYSTEM:

DEPTH	MUD WT.	VISC.	FLUID LOSS	TYPE MUD SYSTEM
40-500'	8.4-8.6	29-34	NC	Fresh water spud mud use paper to control seepage.
500-2400'	8.4-8.6	29-36	NC	Fresh water Gel add paper to control seepage and High viscosity sweeps to clean hole
2400'-10,000'	9.2-9.8	29-38	NC	Cut brine use high viscosity sweeps to clean hole.
10,000-11,600'	9.5-10.2	29-38	10 cc or less	Cut brine, Bio-polymer/PAC system to control water loss. Use high viscosity sweeps to clean hole if necessary.

Sufficient mud materials will be kept on location at all times in order to combat lost circulation, or unexpected kicks. In order to run DST's, open hole logs, and casing viscosity and/or water loss may have to be adjusted to meet these needs.