

**SAN JUAN OPERATIONAL UNIT
PRIMO FED #1A; ESTIMATED TOC
ASSUMES 25% CEMENT LOST TO FORMATION/WASHOUT**

VOLUME (CUBIC FEET) = NUMBER SACKS * CUBIC FEET/S
 AREA (SQ. FT.) = PI((HOLE SIZE/2)**2-(CASING SIZE/2)**2)/144
 HEIGHT (FEET) = VOLUME (CU. FT.)/AREA (SQ. FT.) *.75 (SLURRY EFFICIENCY)
 ESTIMATED TOC (FEET) = DEPTH (FEET) - HEIGHT (FEET)

I: SURFACE CASING:

SIZE: 10.750 "
 HOLE: 13.750 "
 GRADE: K-55
 WEIGHT: 32.75 #/FT
 DEPTH: 165 '
 TOC: CIRC '
 CEMENT: 125 SACKS
 1.36 CUFT/SX
 - SACKS
 - CUFT/SX

VOLUME CU. FT.	AREA SQ. FT.	HEIGHT FEET
LEAD	0.401	318
170.0		EST. TOC FEET
TAIL		(153)
0.0		

NONE

2ND DV
TOOL

III

IV: 2ND DV TOOL:

TOC: - '
 CEMENT: - SACKS
 - CUFT/SX
 - SACKS
 - CUFT/SX

VOLUME CU. FT.	AREA SQ. FT.	HEIGHT FEET	EST. TOC FEET
LEAD	0.150	0	0
0.0			
TAIL			
0.0			

NONE

1ST DV
TOOL

II

III: 1ST DV TOOL:

TOC: - '
 CEMENT: - SACKS
 - CUFT/SX
 - SACKS
 - CUFT/SX

VOLUME CU. FT.	AREA SQ. FT.	HEIGHT FEET	EST. TOC FEET
LEAD	0.150	0	0
0.0			
TAIL			
0.0			

II: INTERMEDIATE OR PRODUCTION CASING:

SIZE: 7.000 "
 HOLE: 8.750 "
 GRADE: K-55,N-80
 WEIGHT: 23,26,29 #/FT
 DEPTH: 3,016 '
 TOC: '
 CEMENT: 250 SACKS
 1.42 CUFT/SX
 50 SACKS
 1.36 CUFT/SX

VOLUME CU. FT.	AREA SQ. FT.	HEIGHT FEET	EST. TOC FEET
LEAD	0.150	2,110	906
355.0			
TAIL			
68.0			

NONE

TOL: 2801

V: PROD.
LINER:

SIZE: 4.500 "
 HOLE: 6.000 "
 GRADE: CW-55
 WEIGHT: 10.50 #/FT
 DEPTH: 4,631 '
 TOC: CIRC '
 CEMENT: 250 SACKS
 1.37 CUFT/SX
 50 SACKS
 1.37 CUFT/SX

VOLUME CU. FT.	AREA SQ. FT.	HEIGHT FEET	EST. TOC FEET
LEAD	0.086	3,587	1,044
342.5			
TAIL			
68.5			

5,082 '

5,114 '

PBTD

TD