

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

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

I: SURFACE CASING:

SIZE: 10.750 "
HOLE: 13.750 "
GRADE: K-55
WEIGHT: 21.75 #/FT
DEPTH: 214 '
TOC: CIRC '
CEMENT: 175 SACKS
1.18 CUFT/SX
- SACKS
- CUFT/SX

VOLUME CU. FT.	AREA SQ. FT.	HEIGHT FEET	EST. TOC FEET
LEAD	0.401	386	
206.5			EST. TOC FEET
TAIL			(172)
0.0			

IV: 2ND DV TOOL:

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

VOLUME CU. FT.	AREA SQ. FT.	HEIGHT FEET	EST. TOC FEET
LEAD	0.175	0	0
0.0			
TAIL			
0.0			

III: 1ST DV TOOL:

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

VOLUME CU. FT.	AREA SQ. FT.	HEIGHT FEET	EST. TOC FEET
LEAD	0.175	0	0
0.0			
TAIL			
0.0			

II: INTERMEDIATE OR PRODUCTION CASING:

SIZE: 7.000 "
HOLE: 9.000 "
GRADE: K-55
WEIGHT: 20.00 #/FT
DEPTH: 4,361 '
TOC: '
CEMENT: 225 SACKS
1.32 CUFT/SX
0 SACKS
1.53 CUFT/SX

VOLUME CU. FT.	AREA SQ. FT.	HEIGHT FEET	EST. TOC FEET
LEAD	0.175	1,276	3,085
297.0			
TAIL			
0.0			

V: PROD.
LINER:

SIZE: 5.000 "
HOLE: 6.250 "
GRADE: J-55
WEIGHT: 15.00 #/FT
DEPTH: 5,112 '
TOC: CIRC '
CEMENT: 113 SACKS
1.51 CUFT/SX
112 SACKS
1.53 CUFT/SX

VOLUME CU. FT.	AREA SQ. FT.	HEIGHT FEET	EST. TOC FEET
LEAD	0.077	3,343	1,769
170.6			
TAIL			
171.4			

NONE

2ND DV
TOOL

III

NONE

1ST DV
TOOL

II

NONE

TOL: 4259

V

PBTD

TD

5,074

5,140