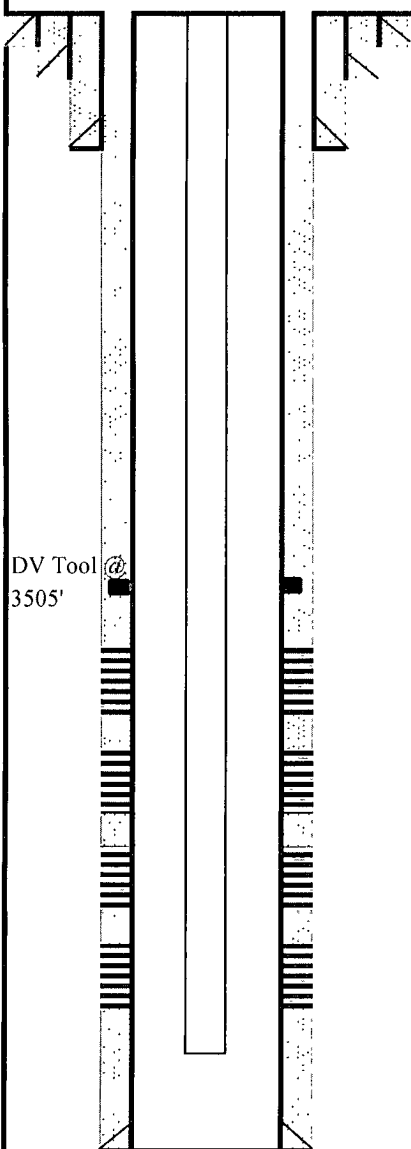


Apache Corp.

30-015-39157

GROUP:	Permian North	DATE:	Sep. 15, 2011
FIELD:	Empire East (BP)	BY:	SNH
LEASE/UNIT:	Barnsdall Federal	WELL:	#19
COUNTY:	Eddy	STATE:	New Mexico

KB = 12'
GL = 3528'



20" conductor @ 40' cmt'd to surface
13 3/8" 48# H-40 Set @ 242'
CMT W/ 400 SXS (TOC = SURF)
8 5/8" 24# J-55 Set @ 766'
CMT W/ 602 SXS (TOC = SURF)

2 7/8" TUBING @ 5508'

DV Tool @
3505'

UPPER PADDOCK
4231'-4372' (1 JSPF, 17 holes)

LOWER PADDOCK
4464'-4652' (1 JSPF, 24 holes)

UPPER BLINEBRY
4798'-4978' (2 JSPF - 34 holes)

LOWER BLINEBRY
5068'-5374' (2 JSPF - 48 holes)

5 1/2" 17# J-55 Set @ 6100'
CMT W/ 1210 SXS (TOC = 430')

TD = 6104'
PBTD = 6058'



DF