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OCT 27
OIL CO. DIST. 3

WELLBORE DIAGRAM ROSA UNIT #77A MV/DK

I-33-31N-5W

LOCATION: 1850'FSL, 895'FEL
NE/4 SE/4 SEC. 33, T31N, R5W
RIO ARriba CO., NM
ELEVATION: 6503' GR
KB: 12'

TOPS:

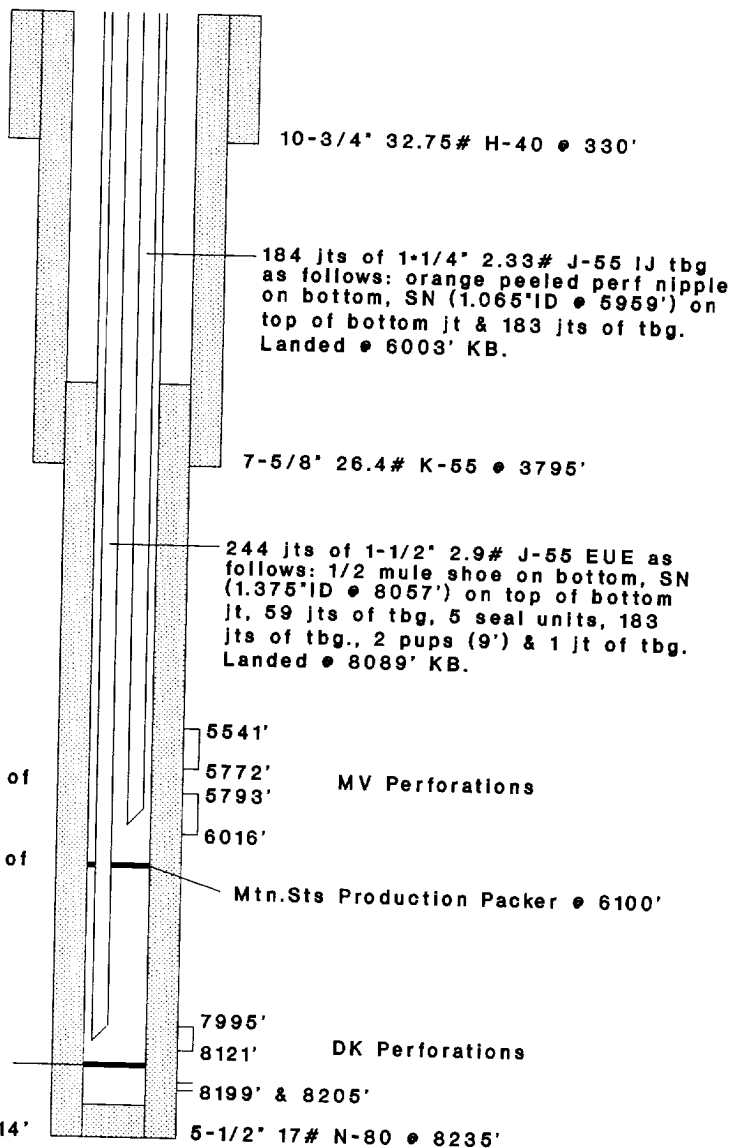
OJO ALAMO	2626'
KIRTLAND	2716'
FRUITLAND	3134'
PICTURED CLIFFS	3397'
LEWIS	3642'
CLIFF HOUSE	5518'
MENEFEE	5572'
POINT LOOKOUT	5792'
MANCOS	6005'
GREENHORN	7820'
GRANEROS	7873'
DAKOTA	7977'

STIMULATION

Cliff House/Menefee: 5541' - 5772'
82,000# of 20/40 sand in 1098 BBLs of
20# linear gel in a 60/65 qual. foam.
Point lookout: 5793' - 6016'
96,000# of 20/40 sand in 1096 BBLs of
20# linear gel in a 60/65 qual. foam.
Upper Dakota: 7995' - 8121'
100,804# of 20/40 sand in 590 BBLs
of 30# X-Link gel in a 60 qual foam.
Lower Dakota: 8199 & 8205'
Broke down w/ 250 gals of 15% HCl

CIBP • 8175'

PBTD • 8214'



HOLE SIZE	CASING	CEMENT	VOLUME	TOP OF CMT
13-3/4"	10-3/4" 32.75#	215 SX	254 CU.FT.	SURFACE
9-7/8"	7-5/8" 26.4#	871 SX	1585 CU.FT.	SURFACE
6-3/4"	5-1/2" 17#	445 SX	610 CU.FT.	3040' (CBL)