

Rosa Unit # 641H

Basin Mancos

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Spud: 7/23/15

Completed: 12/11/15

SHL: 966' FNL & 526' FWL
NE/4 NW/4 Section 19(C), T31N, R5W

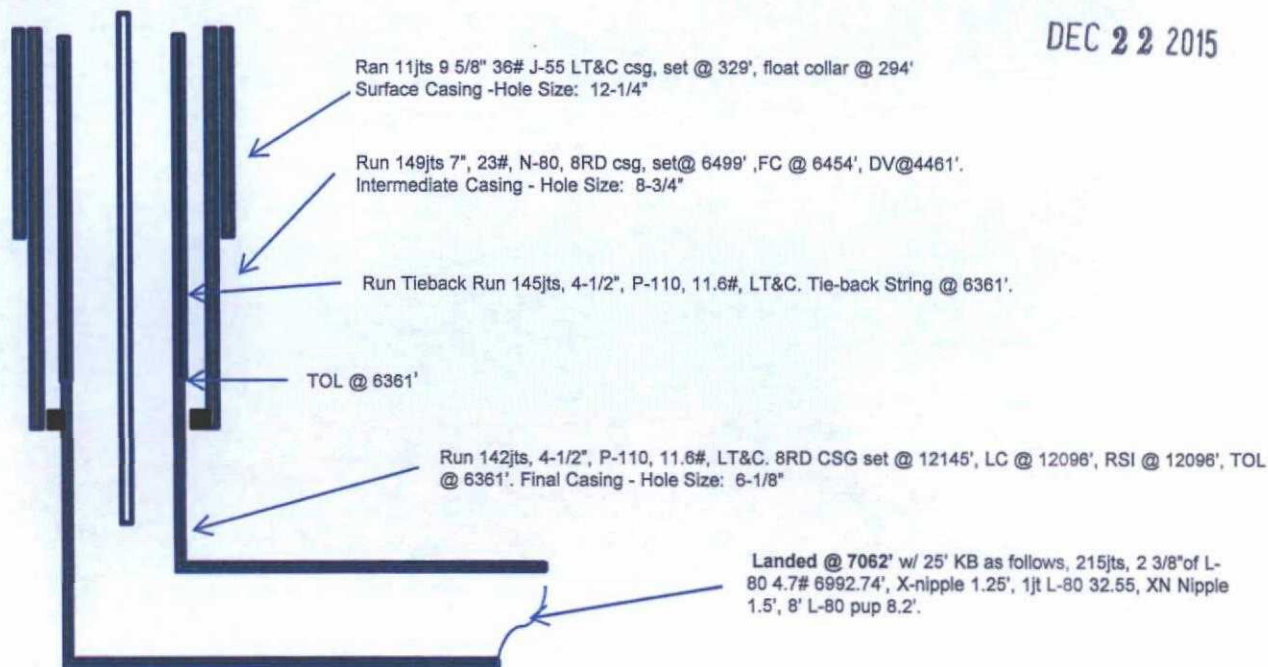
BHL: 625' FNL & 197' FWL
NW/4 NW/4 Section 24 (D), T31N, R6W

Rio Arriba, NM
Elevation: 6305'
API: 30-039-31314

OIL CONS. DIV DIST. 3

DEC 22 2015

Tops	MD	TVD
Ojo Alamo	2430	2424
Kirtland	2543	2537
Picture Cliffs	3023	3013
Lewis	3176	3166
Chacra	3561	3548
Cliff House	4591	4575
Menefee	5398	5379
Point Lookout	5453	5433
Mancos	5651	5631
Gallup	6417	6125



TD: 12150' MD
TVD: 7201'
PBD: 12096' MD

CONFIDENTIAL

HOLE SIZE	CASING	CEMENT	VOLUME	CMT TOP
12-1/4"	9-5/8"	10 ls x	163 cu.ft.	Surface
8-3/4"	7"	1295 sx	2343 cu.ft.	Surface
6-1/8"	4-1/2"	655 sx	89 cu.ft.	TOL @ 6361'

mj 12/16/15

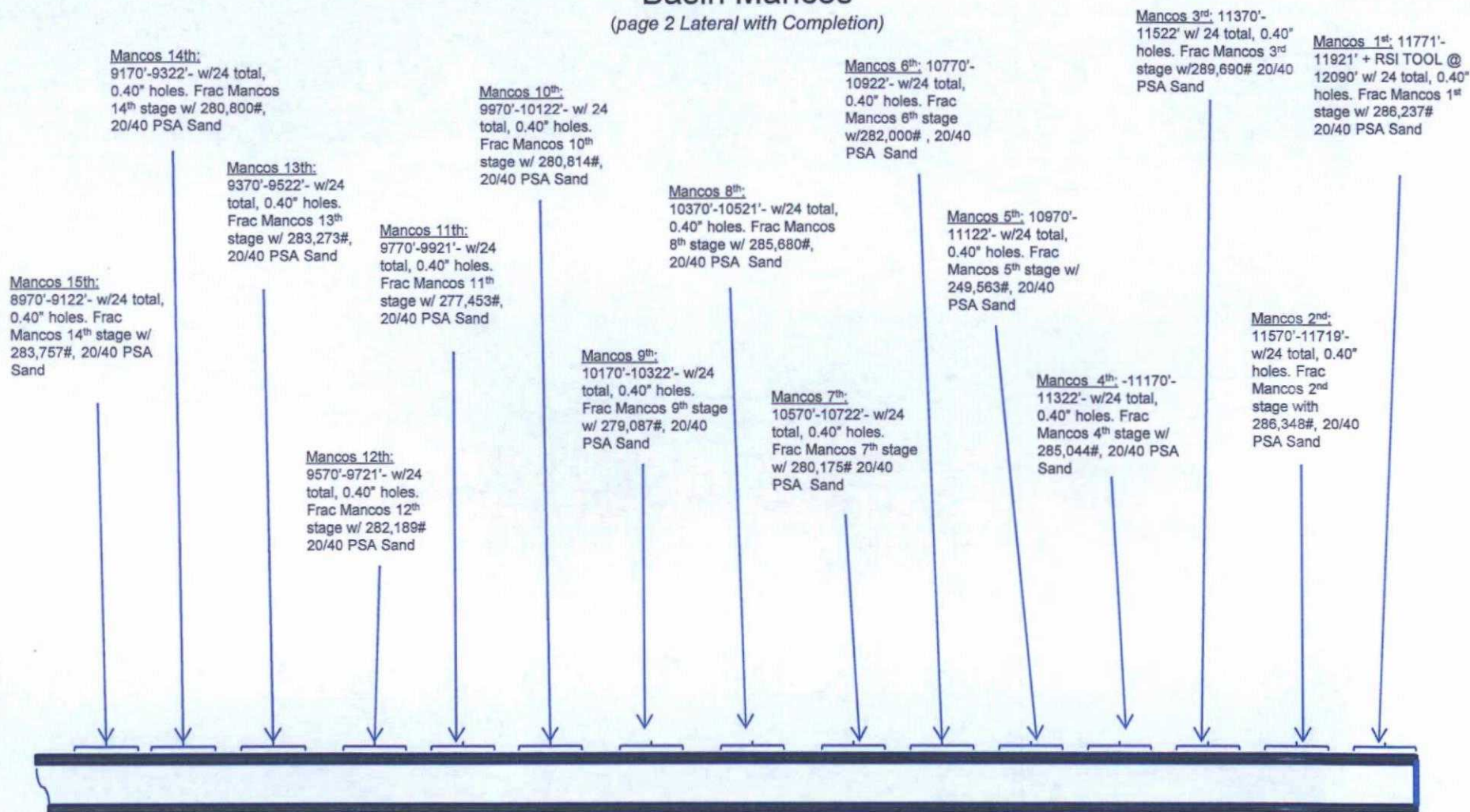
PV

3

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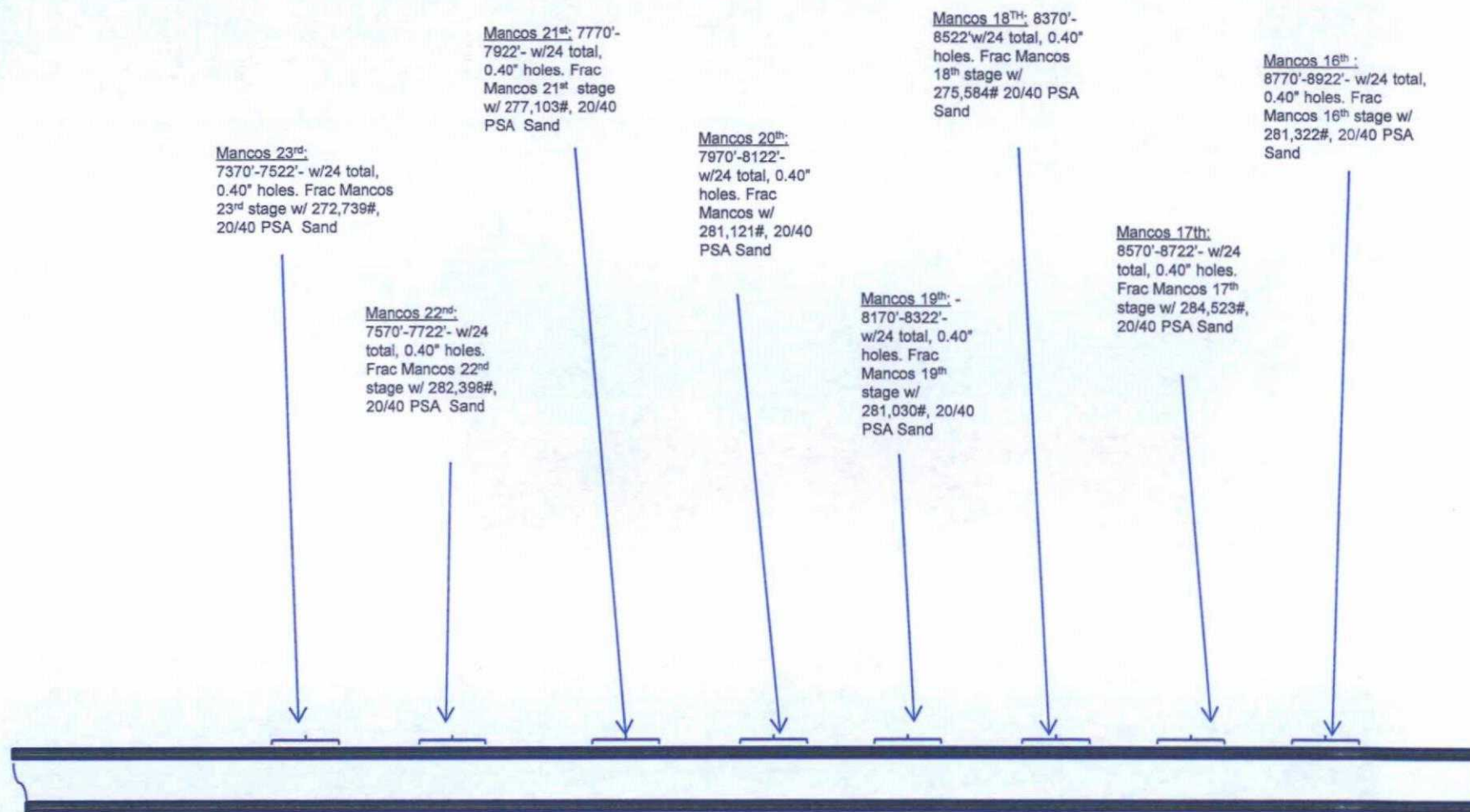


See page 1 for upper portion of hole

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(page 3 Lateral with Completion)



See page 1 for upper portion of hole