

NE CHACO COM #197H CHACO UNIT NE HZ (OIL)(page 1)

Spud: 10/22/14

Completed: 3/7/15

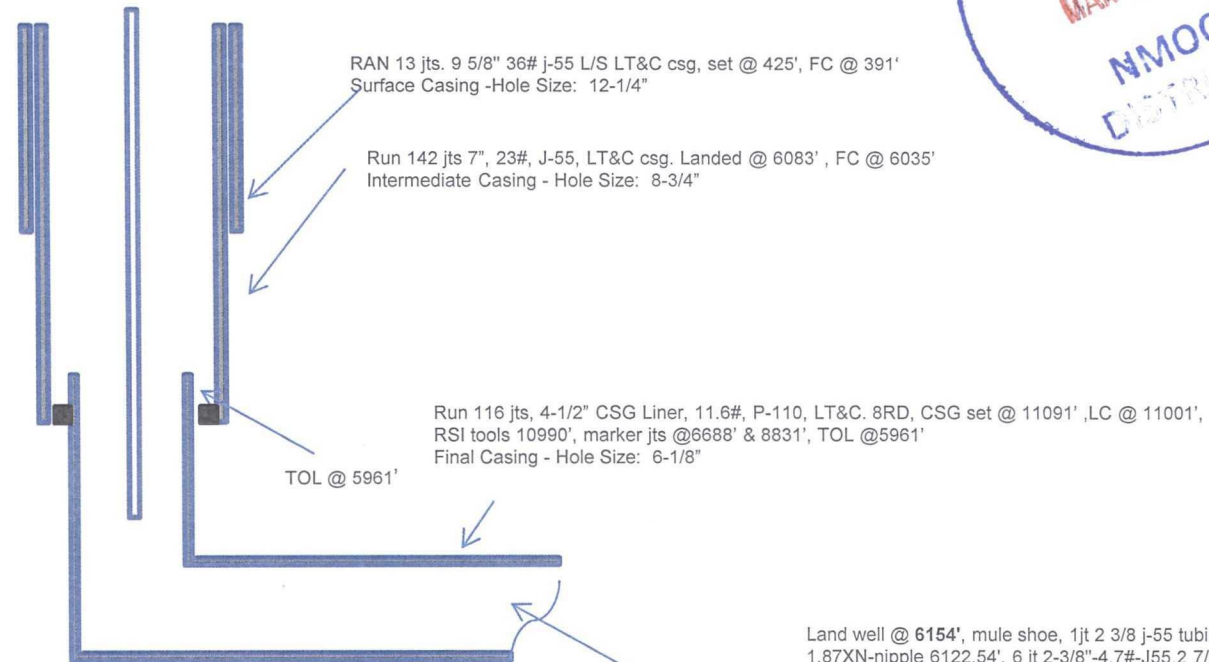


SHL: 1442' FNL & 239' FWL
SW/4 NW/4 Section 8(E), T23N, R6W

BHL: 1168' FSL & 67'
SW/4 SW/4 Section 6 (M), T23N, R 6W

RIO ARRIBA NM
Elevation: 6845'
API: 30-039-31278

Tops	MD	TVD
Ojo Alamo:	1386' MD,	1374' TVD
Kirtland:	1741' MD,	1715' TVD
Picture Cliffs:	2018' MD,	1982' TVD
Lewis:	2109' MD,	2068' TVD
Chacra:	2461' MD,	2407' TVD
Cliffhouse:	3585' MD,	3484' TVD
Menefee:	3607' MD,	3506' TVD
Point Lookout:	4277' MD,	4249' TVD
Mancos:	4587' MD,	4458' TVD
Mancos Up:	4950' MD,	4819' TVD
Gallup:	4961' MD,	4830' TVD



TD: 11092' MD
TVD: 5513'
PBTD: 11001' MD

Land well @ 6154', mule shoe, 1jt 2 3/8 j-55 tubing, 1.87XN-nipple 6122.54', 6 jt 2-3/8"-4.7#-J55, 2 7/8 x 2 3/8 xover, 7.0" AS1-X Packer 5929 ,On/Off tool w/ 2.25"F 5922.42, 1-4' pup jt 2-7/8"-6.5#-J55, 1 jt 2-7/8"-6.5#-J55 Tubing, GLV # 1, 10 jts, 2.31" X-nipple 5553.84, 13 jts 2-7/8"-6.5#-J55 Tubing, GLV # 2, 15 jts 2-7/8"-6.5#-J55 Tubing, GLV # 3, 16 jts 2-7/8 6.5# j55 tubing, GLV # 4, 16 jts 2-7/8 6.5# J55 tubing, GLV # 5, 115 jts 2-7/8 J55 tubing, GLV # 6, 16 jts 2-7/8 J55 tubing, GLV #7, 20 jts 2-7/8 J55 tubing, GLV #8, 23 jts 2-7/8J55 tubing, GLV #9, 335 jts 2-7/8 J55 tubing, TUBING HANGER, KB 14.5'.

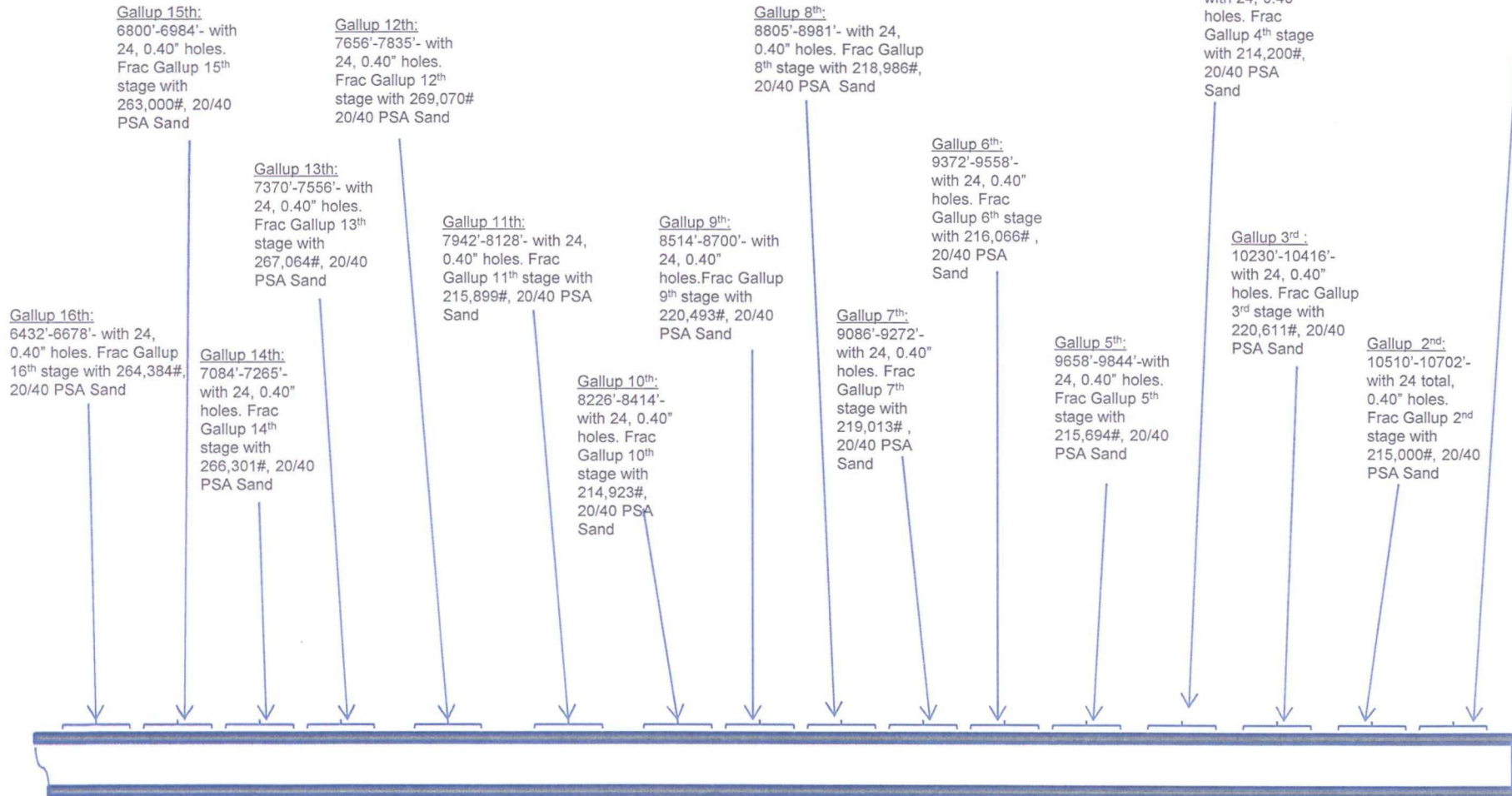
HOLE SIZE	CASING	CEMENT	VOLUME	CMT TOP
12-1/4"	9-5/8"	245 sx	222 cu.ft.	Surface
8-3/4"	7"	1066 sx	1546 cu. ft.	Surface
6-1/8"	4-1/2"	415 sx	1171 cu. ft.	TOL 5961'

CONFIDENTIAL

NE CHACO COM #197H

CHACO UNIT NE HZ (OIL) (page 2 – lateral with completion)

Gallup 1st:
10802'-10927' +
RSI TOOL
@10990'
217,231 # 20/40
PSA Sand



See page 1 for upper portion of hole