

NE Chaco Com #210H Chaco Unit NE HZ (oil)

(page 1)

Spud: 3/22/15

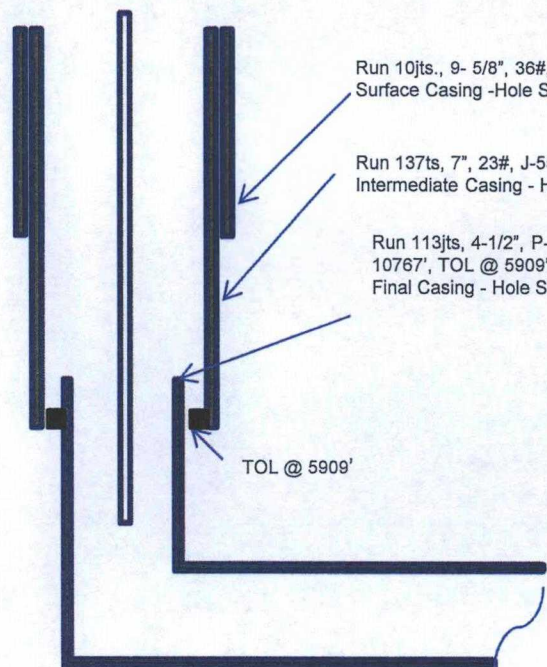
Completed: 7/11/15

SHL: 1371' FSL & 377' FWL
NW/4 SW/4 Section 16 (L), T23N, R6W

BHL: 611' FSL & 8' FWL
SW/4 SW/4 Section 17 (M), T23N, R6W

RIO ARRIBA NM
Elevation: 6858
API: 30-039-31293

Tops	MD	TVD
OJO_ALAMO	1338	1327
KIRTLAND	1465	1451
PICTURE_CLIFFS	1959	1931
LEWIS	2068	2037
CHACRA	2392	2353
CLIFF_HOUSE	3514	3445
MENEFEE	3536	3467
PT_LOOKOUT	4281	4191
MANCOS	4487	4392
GALLUP	4886	4782



Run 10jts., 9- 5/8", 36#, J-55, ST&C csg, set @ 324', FC @ 290'
Surface Casing -Hole Size: 12-1/4"

Run 137jts, 7", 23#, J-55 LT&C, 8RD casing set @ 6037' (5490'TVD) FC @ 5992'.
Intermediate Casing - Hole Size: 8-3/4"

Run 113jts, 4-1/2", P-110, 11.6#, LT&C. 8RD, CSG set @ 10870', LC @ 10778', RSI tools
10767', TOL @ 5909'.
Final Casing - Hole Size: 6-1/8"

TOL @ 5909'

TD: 10878' MD
TVD: 5427'
PBTD: 10778' MD

Land tbg @ 6001'. As follows, Run production tbg with GLV on 2 7/8" N-80 tbg 36 jts of 2 7/8" 1113.14 GLV #9 @1143.04
4.10 25 jts of 2 7/8" 774.67 GLV #8 @1921.81 4.10 20 jts of 2 7/8"
620.22 GLV #7 @2546.13 4.10 16 jts of 2 7/8"
495.29 GLV #6 @3045.52 4.10 17 jts of 2 7/8 527.00 GLV #5 @3576.62
4.10 16 jts of 2 7/8" 493.95 GLV #4 @4074.67
4.10 17 jts of 2 7/8" 525.60 GLV #3 @4604.37 4.10 17 jts of 2 7/8
525.88 GLV #2 @5134.35 4.10 12 jts of 2 7/8"
372.82 2.313" XN @5508.37 1.20 9 jts of 2 7/8" 279.84 GLV #1
@5792.31 4.10 1 jt of 2 7/8" 31.14 2 7/8" pup jt and on/off tool 6.02
7" ASI-X packer set @5836.97 7.50 2 7/8" x 2 3/8" x 50 4 jts of 2 3/8" J-55 tbg 128.74 1.791" XN @5967.46 1.25 1 jt of 2 3/8" w/ MS collar
33.51 EOT @6000.97

HOLE SIZE	CASING	CEMENT	VOLUME	CMT TOP
12-1/4"	9-5/8"	185 sx	222 cu.ft.	Surface
8-3/4"	7"	1147 sx	1554 cu.ft	Surface
6-1/8"	4-1/2"	495 sx	748 cu. ft.	TOL 5909'

LG7/14/15

CONFIDENTIAL

OIL CONS. DIV DIST. 3

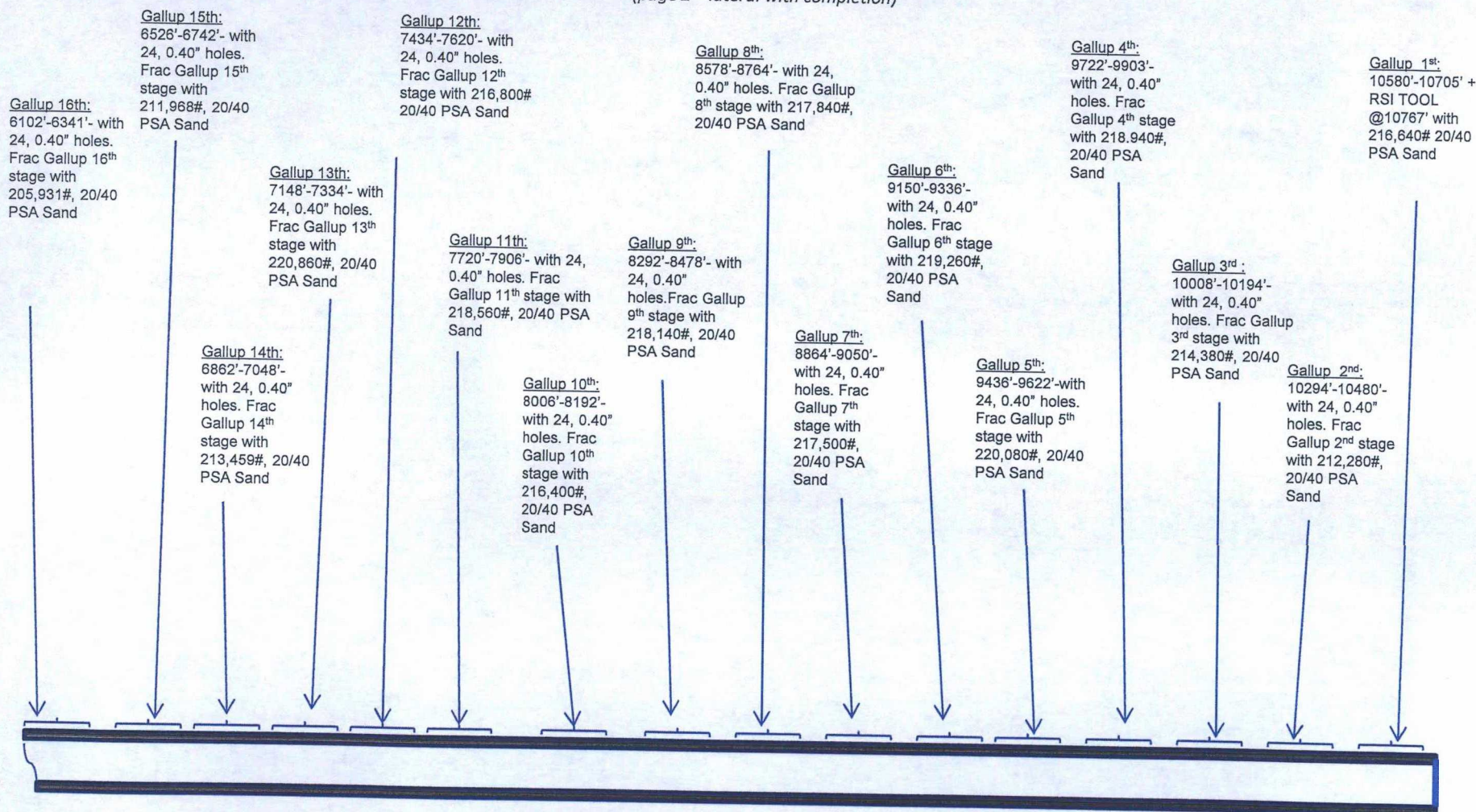
JUL 17 2015

PV

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(page 2 – lateral with completion)



See page 1 for upper portion of hole