

Chaco 2307 17H #163H

Basin Mancos

(page 1)

Spud: 8/25/14

Completed: 6/5/15

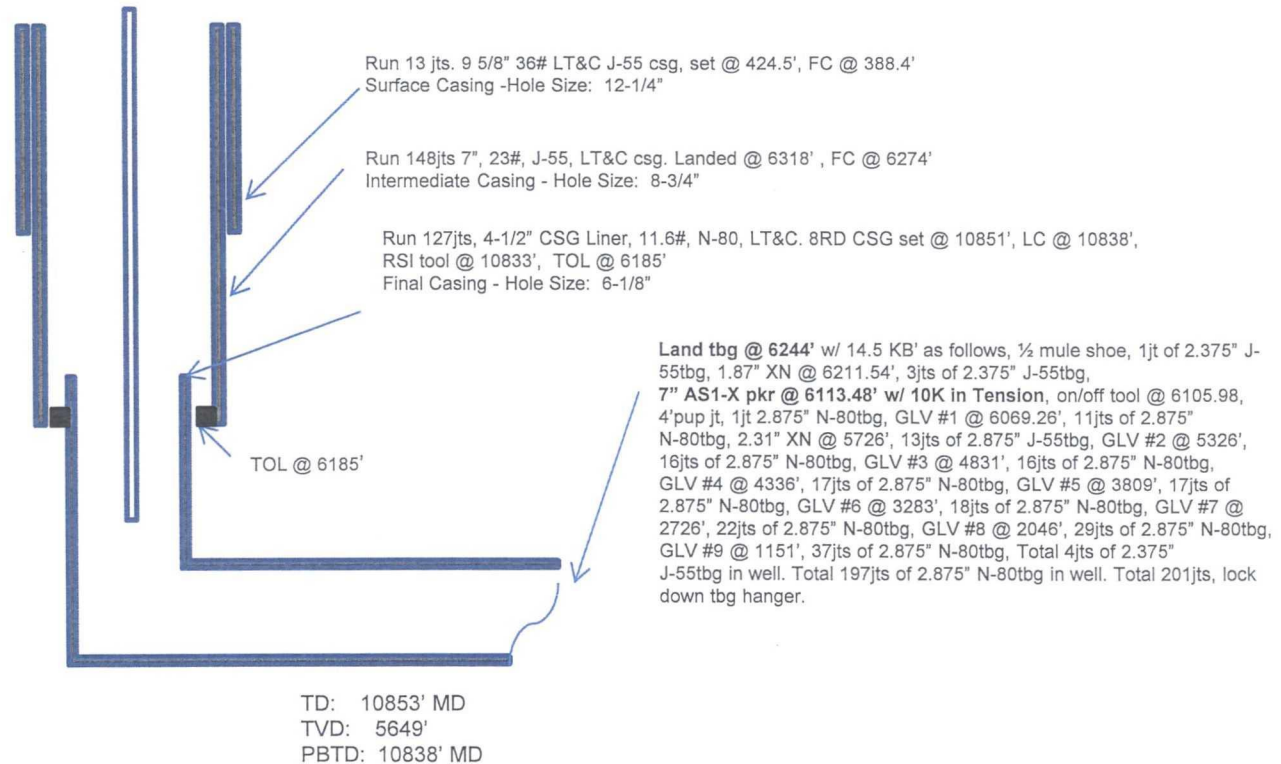
CONFIDENTIAL

SHL: 1871' FNL & 372' FEL
SE/4 NE/4 Section 17(H), T23N, R7W

BHL: 1615' FNL & 311' FWL
SW/4 NW/4 Section 17 (E), T23N, R7W

RIO ARRIBA NM
Elevation: 7257'
API: 30-039-31226

Tops	MD	TVD
OJO_ALAMO	1494	1477
KIRTLAND	1795	1765
PICTURE_CLIFFS	2138	2096
LEWIS	2240	2194
CHACRA	2570	2513
CLIFF_HOUSE	3689	3590
MENEFEE	3725	3624
PT_LOOKOUT	4552	4421
MANCOS	4697	4565
GALLUP	5126	4994



HOLE SIZE	CASING	CEMENT	VOLUME	CMT TOP
12-1/4"	9-5/8"	245 sx	222 cu.ft.	Surface
8-3/4"	7"	1187 sx	1695cu.ft	Surface
6-1/8"	4-1/2"	380sx	509cu. ft.	TOL 6185'

MJ 6/10/15

AV

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(page 2 – lateral with completion)

Gallup 15th:
6363'-6549'- with
24, 0.40" holes.
Frac MANCOS 15th
stage with
213,100#, 20/40
PSA Sand

Gallup 12th:
7221'-7422'- with
24, 0.40" holes.
Frac MANCOS 12th
stage with
214,200#, 20/40
PSA Sand

Gallup 8th:
8425'-8626'- with 24,
0.40" holes. Frac
MANCOS 8th stage with
208,200#, 20/40 PSA
Sand

Gallup 4th:
9629'-9875'-
with 24, 0.40"
holes. Frac
MANCOS 4th
stage with
215,600#, 20/40
PSA Sand

Gallup 1st:
10652'-10786' +
RSI TOOL
@10833' with
180,140# 20/40
PSA Sand

Gallup 13th:
6935'-7116'- with
24, 0.40" holes.
Frac MANCOS
13th stage with
221,300#, 20/40
PSA Sand

Gallup 11th:
7522'-7723'-
with 24, 0.40" holes.
Frac MANCOS 11th
stage with
216,500#, 20/40 PSA
Sand

Gallup 9th:
8124'-8328'- with
24, 0.40" holes.
Frac MANCOS 9th
stage with
221,100#, 20/40
PSA Sand

Gallup 6th:
9027'-9229'-
with 24, 0.40"
holes. Frac
MANCOS 6th
stage with
213,100#, 20/40
PSA Sand

Gallup 3rd :
9975'-10221'- with
24, 0.40" holes.
Frac MANCOS 3rd
stage with
215,600#, 20/40
PSA Sand

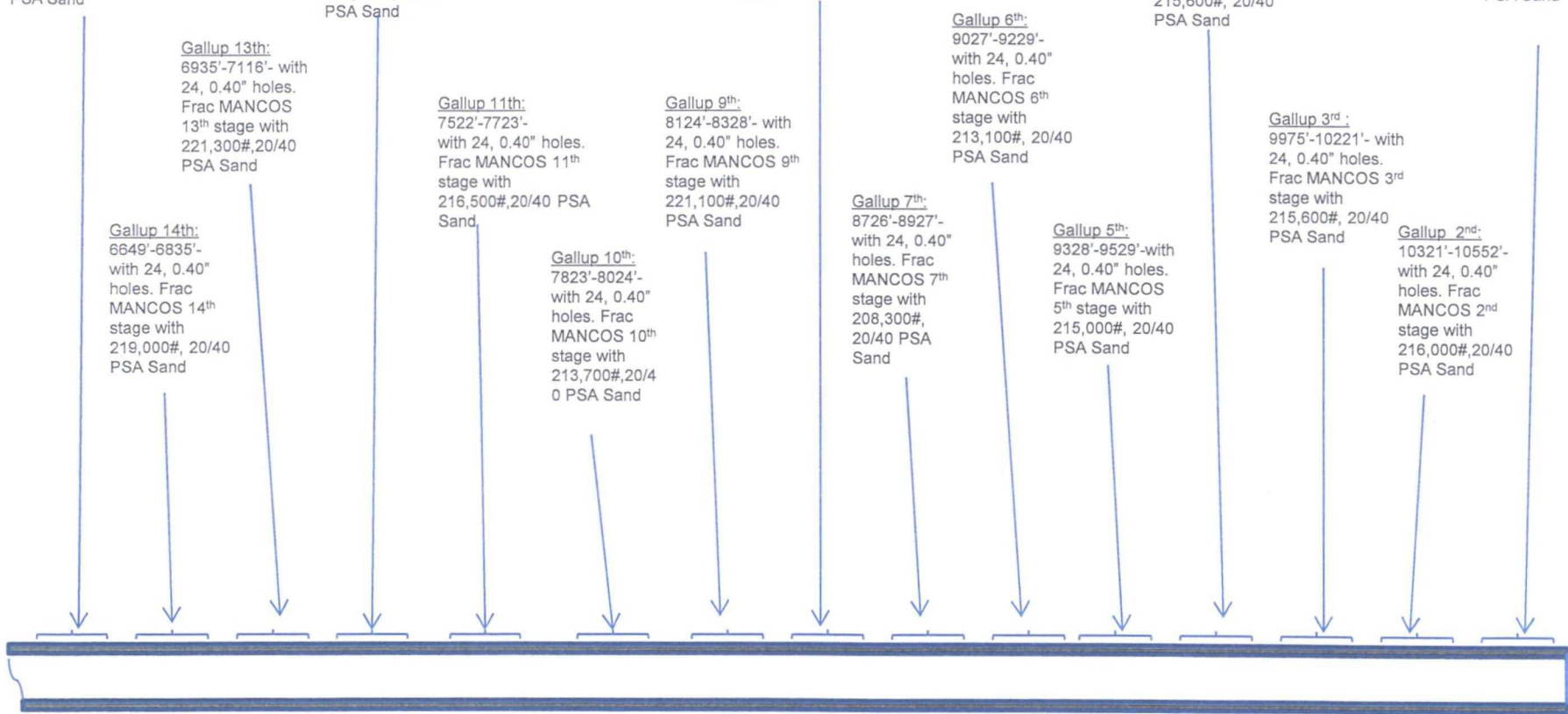
Gallup 2nd:
10321'-10552'-
with 24, 0.40"
holes. Frac
MANCOS 2nd
stage with
216,000#, 20/40
PSA Sand

Gallup 14th:
6649'-6835'-
with 24, 0.40"
holes. Frac
MANCOS 14th
stage with
219,000#, 20/40
PSA Sand

Gallup 10th:
7823'-8024'-
with 24, 0.40"
holes. Frac
MANCOS 10th
stage with
213,700#, 20/40
PSA Sand

Gallup 7th:
8726'-8927'-
with 24, 0.40"
holes. Frac
MANCOS 7th
stage with
208,300#,
20/40 PSA
Sand

Gallup 5th:
9328'-9529'-with
24, 0.40" holes.
Frac MANCOS
5th stage with
215,000#, 20/40
PSA Sand



See page 1 for upper portion of hole