

NE Chaco Com #166H Chaco Unit NE HZ (oil)

(page 1)

Spud: 8/13/14

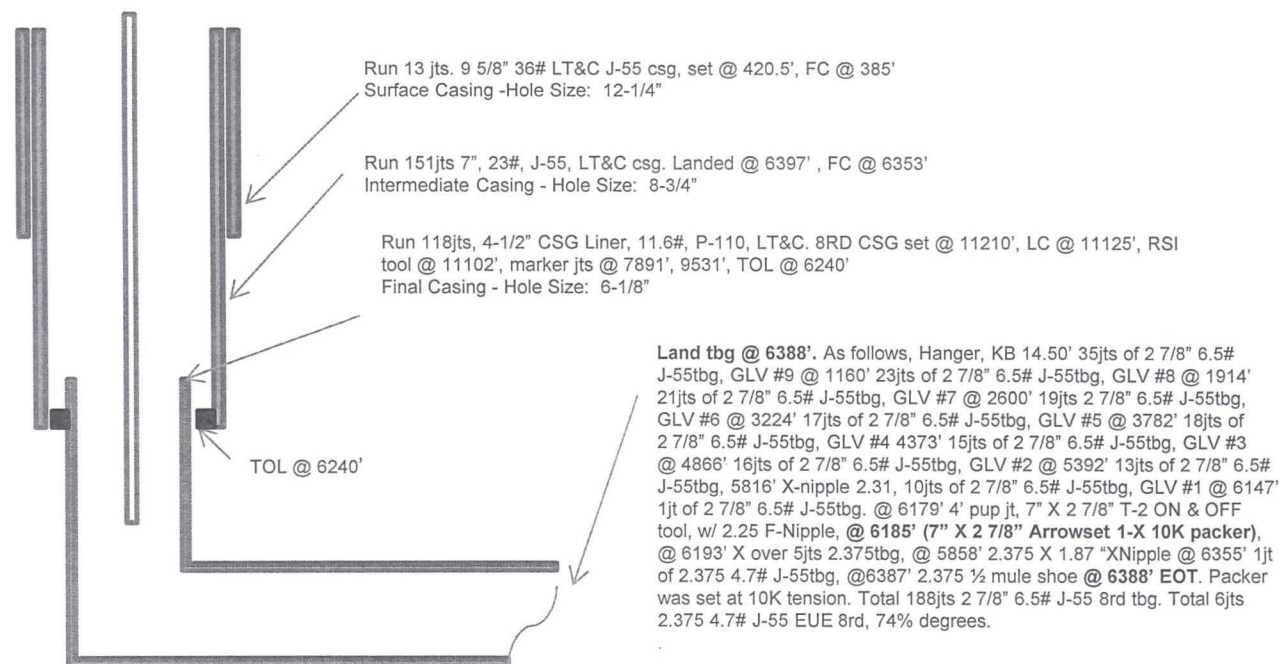
Completed: 3/23/15

SHL: 1310' FSL & 512' FWL
SW/4 SW/4 Section 15(M), T23N, R7W

BHL: 1770' FSL & 81' FWL
NW/4 SW/4 Section 14 (L), T23N, R7W

RIO ARRIBA NM
Elevation: 7295'
API: 30-039-31202

Tops	MD	TVD
OJO_ALAMO	1545	1522
KIRTLAND	1881	1848
PICTURE_CLIFFS	2210	2166
LEWIS	2335	2287
CHACRA	2635	2578
CLIFF_HOUSE	3764	3669
MENEFEE	3790	3694
PT_LOOKOUT	4627	4498
MANCOS	4777	4643
GALLUP	5209	5064



TD: 11217' MD
TVD: 5779'
PBTD: 11125' MD

CONFIDENTIAL

HOLE SIZE	CASING	CEMENT	VOLUME	CMT TOP
12-1/4"	9-5/8"	245 sx	222 cu.ft.	Surface
8-3/4"	7"	1112 sx	1523 cu.ft.	Surface
6-1/8"	4-1/2"	400 sx	568 cu. ft.	TOL 6240'

MJ 3/26/15

AV

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(page 2 – lateral with completion)

Gallup 15th:
6512'-6698'- with
24, 0.40" holes.
Frac Gallup 15th
stage with
248,189#, 20/40
PSA Sand

Gallup 12th:
7370'-7556'- with
24, 0.40" holes.
Frac Gallup 12th
stage with 265,851#
20/40 PSA Sand

Gallup 8th:
8574'-8820'- with 24,
0.40" holes. Frac Gallup
8th stage with 214,647#,
20/40 PSA Sand

Gallup 4th:
9898'-10084'-
with 24, 0.40"
holes. Frac
Gallup 4th stage
with 207,537#,
20/40 PSA
Sand

Gallup 1st:
10856'-11020' +
RSI TOOL @
11102' with
226,642# 20/40
PSA Sand

Gallup 13th:
7084'-7262'- with
24, 0.40" holes.
Frac Gallup 13th
stage with
261,504#, 20/40
PSA Sand

Gallup 11th:
7656'-7842'- with 24,
0.40" holes. Frac
Gallup 11th stage with
259,201#, 20/40 PSA
Sand

Gallup 9th:
8228'-8474'- with
24, 0.40" holes.
Frac Gallup 9th
stage with
218,736#, 20/40
PSA Sand

Gallup 6th:
9266'-9506'-
with 24, 0.40"
holes. Frac
Gallup 6th stage
with 210,329# ,
20/40 PSA
Sand

Gallup 3rd:
10184'-10364'-
with 24, 0.40"
holes. Frac Gallup
3rd stage with
215,830#, 20/40
PSA Sand

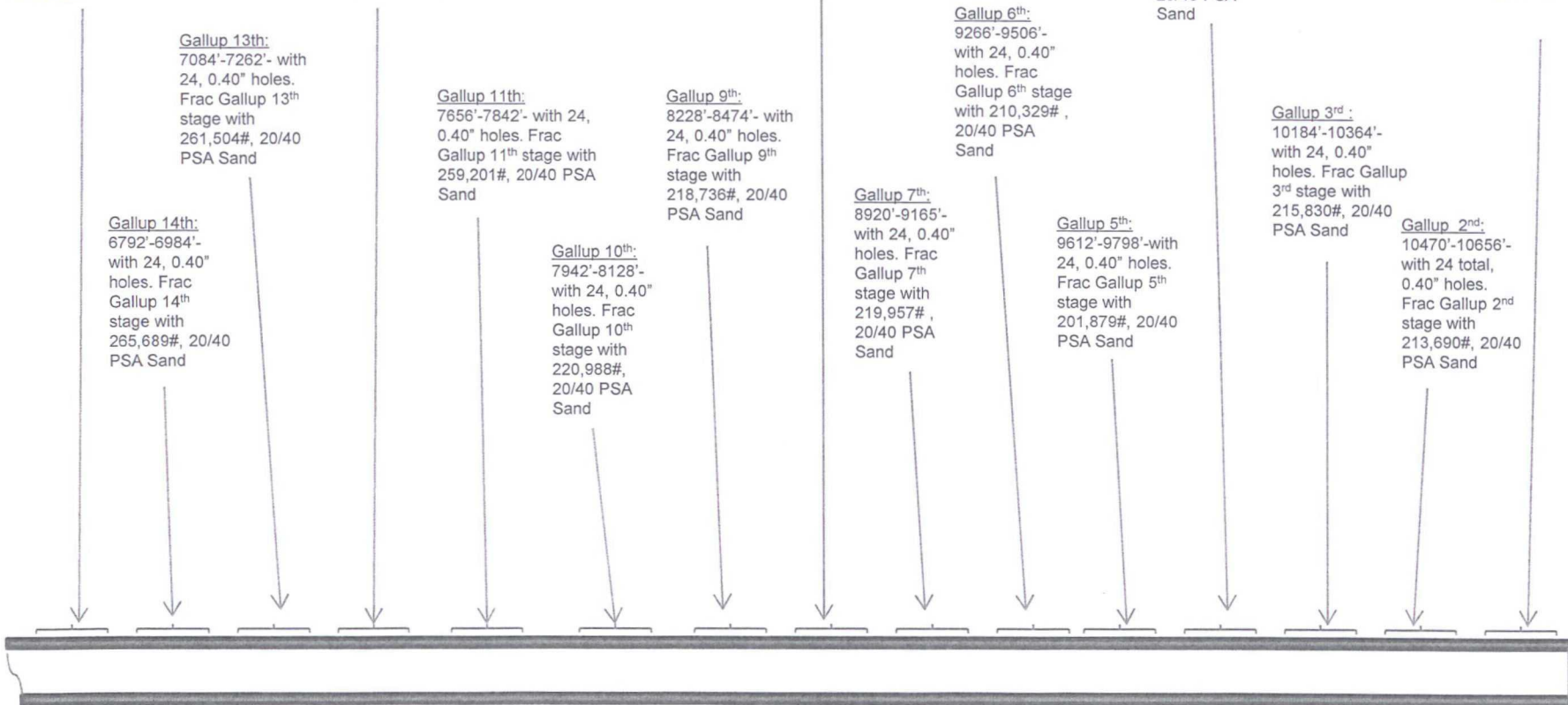
Gallup 14th:
6792'-6984'-
with 24, 0.40"
holes. Frac
Gallup 14th
stage with
265,689#, 20/40
PSA Sand

Gallup 10th:
7942'-8128'-
with 24, 0.40"
holes. Frac
Gallup 10th
stage with
220,988#,
20/40 PSA
Sand

Gallup 7th:
8920'-9165'-
with 24, 0.40"
holes. Frac
Gallup 7th
stage with
219,957# ,
20/40 PSA
Sand

Gallup 5th:
9612'-9798'-with
24, 0.40" holes.
Frac Gallup 5th
stage with
201,879#, 20/40
PSA Sand

Gallup 2nd:
10470'-10656'-
with 24 total,
0.40" holes.
Frac Gallup 2nd
stage with
213,690#, 20/40
PSA Sand



See page 1 for upper portion of hole