

NE CHACO COM #267H CHACO UNIT NE HZ (OIL) (page 1)

Spud: 10/31/14

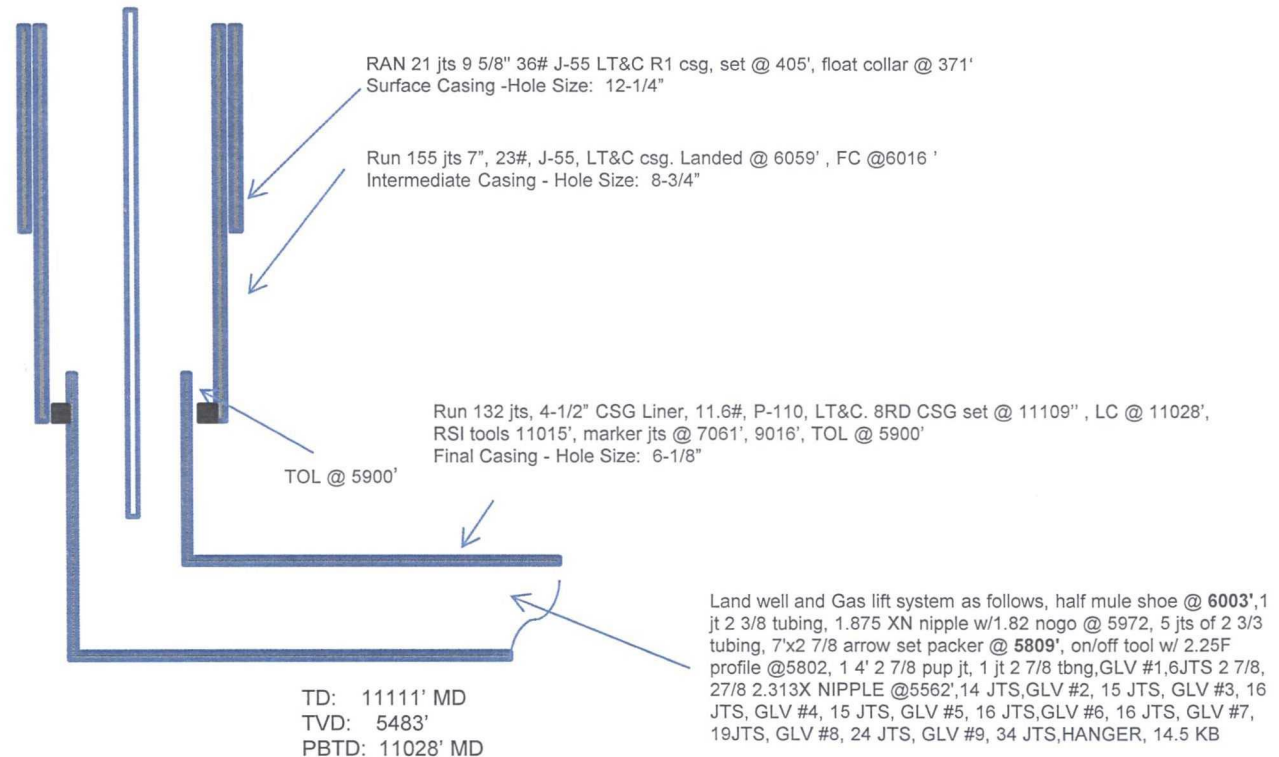
Completed: 3/5/15

SHL: 1435' FNL & 174' FWL
SW/4 NW/4 Section 8(E), T23N, R6W

BHL: 2614' FSL & 243' FEL
NE/4 SE/4 Section 8 (I), T23N, R 6W

RIO ARRIBA NM
Elevation: 6845'
API: 30-039-31267

Tops	MD	TVD
Ojo Alamo	1379' MD	1368' TVD
Kirtland:	1696' MD	1674' TVD
Picture Cliffs:	2002' MD	1970' TVD
Lewis:	2083' MD	2047' TVD
Chacra:	2441' MD	2392' TVD
Cliff House:	3562' MD	3475' TVD
Menefee:	3614' MD	3524' TVD
Point Lookout:	4330' MD	4217' TVD
Mancos:	4558' MD	4442' TVD
Gallup:	4969' MD	4854' TVD



HOLE SIZE	CASING	CEMENT	VOLUME	CMT TOP
12-1/4"	9-5/8"	245 sx	222 cu.ft.	Surface
8-3/4"	7"	997 sx	1449 cu. ft.	Surface
6-1/8"	4-1/2"	410 sx	1058 cu. ft.	TOL 5900'

CONFIDENTIAL

Lg 3/11/15

AV

NE CHACO COM #267H CHACO UNIT NE HZ (OIL) (page 2 – lateral with completion)

Gallup 17th:
6124'-6340'- with
24, 0.40" holes.
Frac Gallup 17th
stage with
263,223#, 20/40
PSA Sand

Gallup 15th:
6746'-6929'- with
24, 0.40" holes.
Frac Gallup 15th
stage with
261,307#, 20/40
PSA Sand

Gallup 12th:
7604'-7790'- with
24, 0.40" holes.
Frac Gallup 12th
stage with 210,251#
20/40 PSA Sand

Gallup 10th:
8176'-8362'-
with 24, 0.40"
holes. Frac
Gallup 10th
stage with
216,200#,
20/40 PSA
Sand

Gallup 8th:
8798'-8987'- with 24,
0.40" holes. Frac Gallup
8th stage with 214,139#,
20/40 PSA Sand

Gallup 4th:
9942'-10128'-
with 24, 0.40"
holes. Frac
Gallup 4th stage
with 214,956#,
20/40 PSA
Sand

Gallup 1st:
10830'-10955' +
RSI TOOL
@11018'
216,355 # 20/40
PSA Sand

Gallup 2nd:
10544'-10730'-
with 24 total,
0.40" holes.
Frac Gallup 2nd
stage with
216,849#, 20/40
PSA Sand

Gallup 6th:
9366'-9556'-
with 24, 0.40"
holes. Frac
Gallup 6th stage
with 212,065#,
20/40 PSA
Sand

Gallup 9th:
8512'-8698'- with
24, 0.40"
holes. Frac Gallup
9th stage with
216,524#, 20/40
PSA Sand

Gallup 7th:
9084'-9270'-
with 24, 0.40"
holes. Frac
Gallup 7th
stage with
214,049#,
20/40 PSA
Sand

Gallup 5th:
9656'-9842'-with
24, 0.40" holes.
Frac Gallup 5th
stage with
203,768#, 20/40
PSA Sand

Gallup 3rd:
10258'-10444'-
with 24, 0.40"
holes. Frac Gallup
3rd stage with
211,882#, 20/40
PSA Sand

Gallup 13th:
7318'-7504'- with
24, 0.40" holes.
Frac Gallup 13th
stage with
266,240#, 20/40
PSA Sand

Gallup 14th:
7032'-7221'-
with 24, 0.40"
holes. Frac
Gallup 14th
stage with
263,420#, 20/40
PSA Sand

Gallup 16th:
6456'-6647'- with
24, 0.40" holes.
Frac Gallup 16th
stage with
269,133#, 20/40
PSA Sand

Gallup 11th:
7890'-8076'-
with 24, 0.40"
holes. Frac
Gallup 11th
stage with
216,600#,
20/40 PSA
Sand

See page 1 for upper portion of hole