

NE CHACO COM #177H CHACO UNIT NE HZ (OIL)(page 1)

Spud: 10/6/14

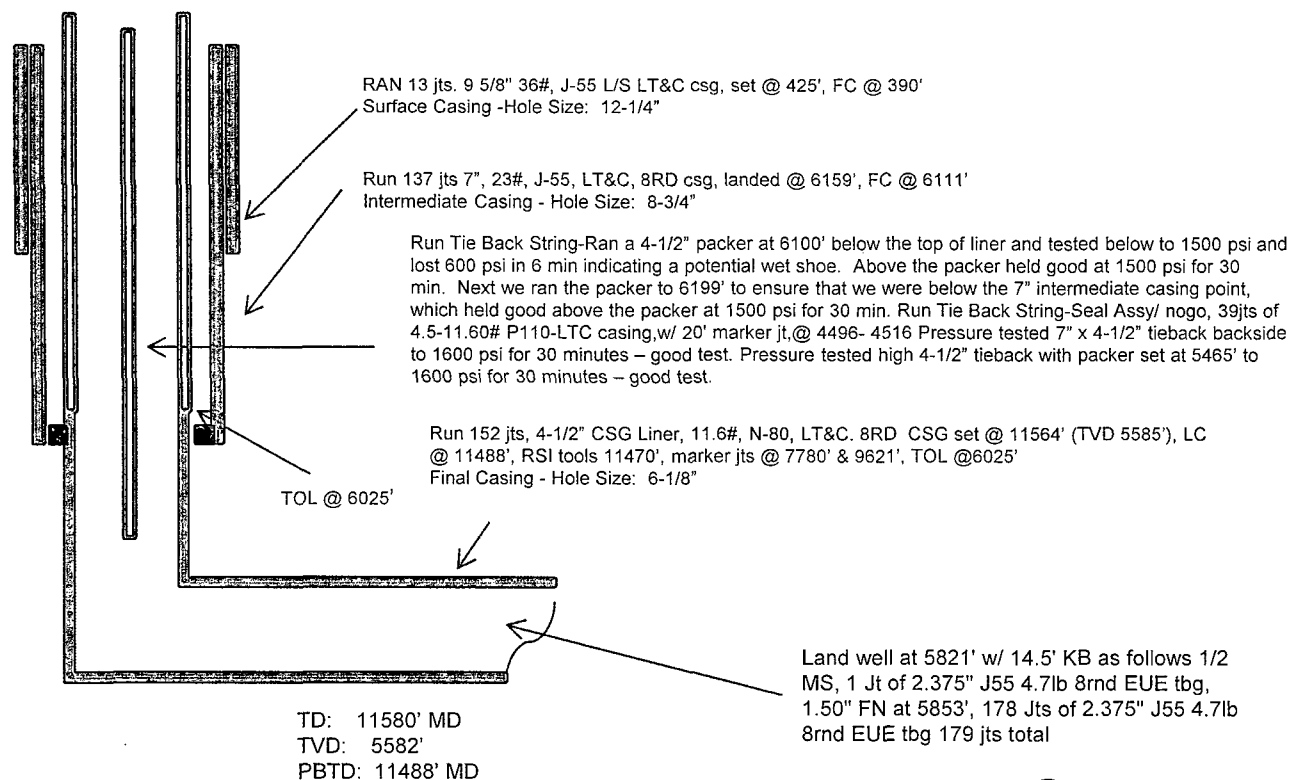
Completed: 12/15/14

SHL: 1132' FNL & 755' FWL
NW/4 NW/4 Section 6(D), T23N, R6W

BHL: 1348' FNL & 230' FWL
SW/4 NW/4 Section 1(E), T23N, R 7W

RIO ARRIBA NM
Elevation: 6982'
API: 30-039-31252

Tops	MD	TVD
OJO_ALAMO	1639	1629
KIRTLAND	1829	1816
PICTURE_CLIFFS	2137	2119
LEWIS	2250	2231
CHACRA	2589	2566
CLIFF_HOUSE	3699	3665
MENEFEE	3741	3706
PT_LOOKOUT	4429	4386
MANCOS	4649	4605
GALLUP	5076	5031



HOLE SIZE	CASING	CEMENT	VOLUME	CMT TOP
12-1/4"	9-5/8"	245 sx	222 cu.ft.	Surface
8-3/4"	7"	927 sx	1344 cu. ft.	Surface
6-1/8"	4-1/2"	430 sx	605 cu. ft.	TOL 6025'

Lg 12/16/14

CONFIDENTIAL
OIL CONS. DIV DIST. 3
DEC 19 2014

AV

NE CHACO COM #177H CHACO UNIT NE HZ (OIL) (page 2 – lateral with completion)

Gallup 18th:
6206'-6431'-
with 24, 0.40"
holes. Frac
Gallup 18th
stage with
264,166#,
20/40 PSA
Sand

Gallup 15th:
7133'-7305'- with
24, 0.40" holes.
Frac Gallup 15th
stage with
265,785#, 20/40
PSA Sand

Gallup 12th:
7961'-8147'- with
24, 0.40" holes.
Frac Gallup 12th
stage with 215,500#
20/40 PSA Sand

Gallup 11th:
8247'-8433'- with
24, 0.40" holes.
Frac Gallup 11th
stage with
216,125#, 20/40
PSA Sand

Gallup 8th:
9070'-9255'-
with 24, 0.40" holes. Frac
Gallup 8th stage with
214,032#, 20/40 PSA
Sand

Gallup 6th:
9737'-10043'-
with 24, 0.40"
holes. Frac
Gallup 6th stage
with 215,572# ,
20/40 PSA
Sand

Gallup 4th:
10519'-10705'-
with 24, 0.40"
holes. Frac
Gallup 4th stage
with 215,249#,
20/40 PSA
Sand

Gallup 3rd:
10805'-10976'-
with 24, 0.40"
holes. Frac Gallup
3rd stage with
213,759#, 20/40
PSA Sand

Gallup 2nd:
11076'-
11247'- with
24 total, 0.40"
holes. Frac
Gallup 2nd
stage with
214,224#,
20/40 PSA
Sand

Gallup 5th:
10143'-10419'-
with 24, 0.40"
holes. Frac
Gallup 5th stage
with 215,083#,
20/40 PSA
Sand

Gallup 7th:
9361'-9631'-
with 24, 0.40"
holes. Frac
Gallup 7th
stage with
215,757# ,
20/40 PSA
Sand

Gallup 10th:
8533'-8704'-
with 24, 0.40"
holes. Frac
Gallup 10th
stage with
214,776#,
20/40 PSA
Sand

Gallup 14th:
7404'-7575'-
with 24, 0.40"
holes. Frac
Gallup 14th
stage with
263,991#, 20/40
PSA Sand

Gallup 13th:
7682'-7861'- with
24, 0.40" holes.
Frac Gallup 13th
stage with
214,925#, 20/40
PSA Sand

Gallup 16th:
6847'-7033'-
with 24,
0.40" holes.
Frac Gallup
16th stage
with
241,628#,
20/40 PSA
Sand

Gallup 17th:
6538'-6747'-
with 24, 0.40"
holes. Frac
Gallup 17th
stage with
266,081#,
20/40 PSA
Sand

Gallup 1st:
11347'-11410' +
RSI TOOL @
11473' 211,080
20/40 PSA
Sand

See page 1 for upper portion of hole

OIL CONS. DIV DIST. 3

DEC 1 9 2014