

# Chaco 2306-19E #205H

## LYBROOK GALLUP Horizontal

(page 1)

Spud: 4/5/14

Completed: 9/7/14

SHL: 1801' FNL & 302' FWL  
SW/4 NW/4 Section 19 (E), T23N, R6W

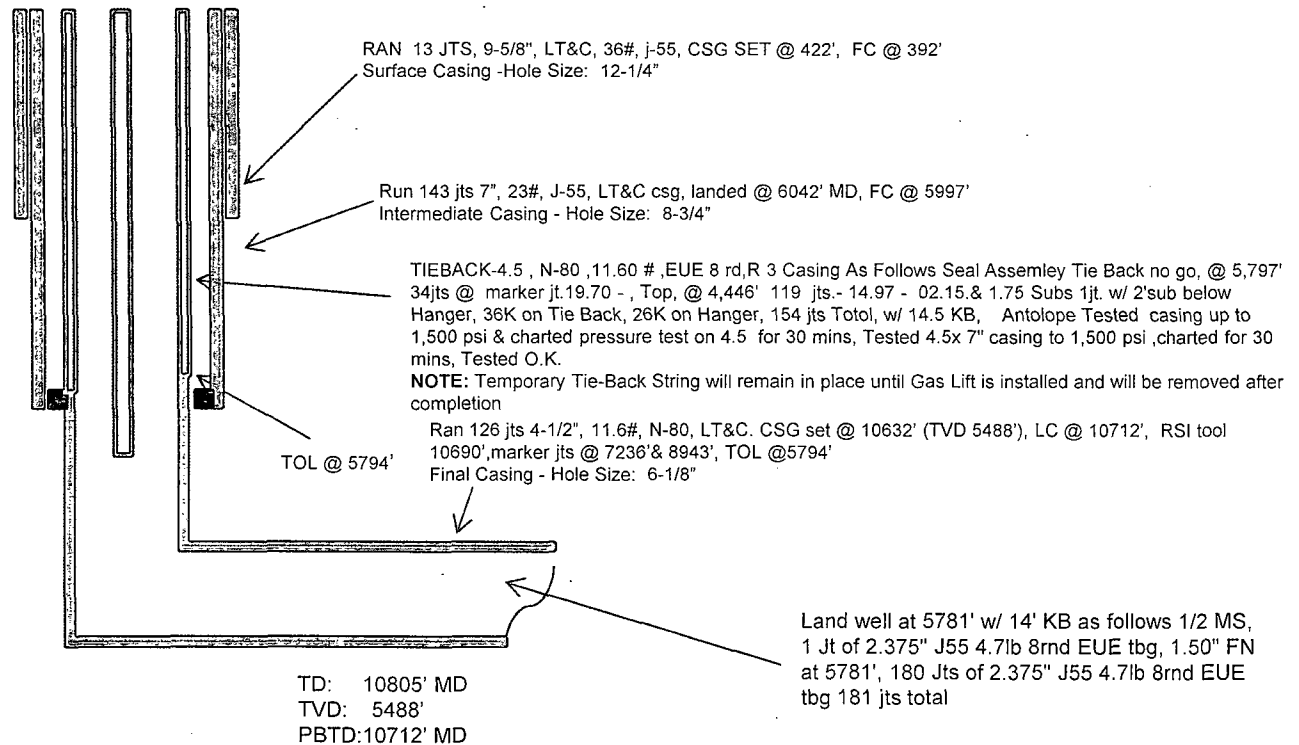
BHL: 1382' FNL & 231' FEL  
SE/4 NE/4 Section 19 (H), T23N, R 6W

SANDOVAL., NM

Elevation: 6965'

API: 30-043-21204.

| Tops            | MD    | TVD   |
|-----------------|-------|-------|
| Ojo Alamo       | 1368' | 1357' |
| Kirtland        | 1629' | 1607' |
| Pictured Cliffs | 1943' | 1910' |
| Lewis           | 2054' | 2017' |
| Chacra          | 2381' | 2332' |
| Cliff House     | 3524' | 3430' |
| Menefee         | 3544' | 3449' |
| Point Lookout   | 4324' | 4203' |
| Mancos          | 4502' | 4379' |
| Gallup          | 4931' | 4807' |



CONFIDENTIAL

ROUND SEP 23 '14  
OIL CONS. DIV.  
DIST. 3

| HOLE SIZE | CASING | CEMENT | VOLUME       | CMT TOP   |
|-----------|--------|--------|--------------|-----------|
| 12-1/4"   | 9-5/8" | 245 sx | 222 cu.ft.   | Surface   |
| 8-3/4"    | 7"     | 810 sx | 1167 cu. ft. | 454' to c |
| 6-1/8"    | 4-1/2" | 380 sx | 536 cu. ft.  | TOL 5794' |

Lg 9/16/14

AV

Gallup 14th:  
6130'-6320'- with  
24, 0.40"  
holes. Frac Gallup  
14th stage with  
272,669#, 20/40  
PSA Sand

## Chaco 2306-19E #205H LYBROOK GALLUP Horizontal

(page 2 – lateral with completion)

Gallup 6th:  
8842'-9030'-  
with 24, 0.40"  
holes. Frac  
Gallup 6th stage  
with 215,200# ,  
20/40 PSA  
Sand

Gallup 4th:  
9422'-9604'-  
with 24, 0.40"  
holes. Frac  
Gallup 4th stage  
with 212,600# ,  
20/40 PSA  
Sand

Gallup 1st:  
10299'-10462' +  
RSI TOOL @  
10539' with 18,  
0.40" holes  
Frac Gallup 1st  
stage 10299'-  
10,539' -with  
210,000 # 20/40  
PSA Sand

Gallup 13th:  
6430'-6660'- with  
24, 0.40" holes.  
Frac Gallup 13th  
stage with  
290,700#, 20/40  
PSA Sand

Gallup 11th:  
7154'-7389'-  
with 24, 0.40" holes.  
Frac Gallup 11th stage  
with 243,800#, 20/40  
PSA Sand

Gallup 9th:  
7868'-8102'- with  
24, 0.40" holes.  
Frac Gallup 9th  
stage with  
213,600# , 20/40  
PSA Sand

Gallup 7th:  
8506'-8722'-  
with 24, 0.40"  
holes. Frac  
Gallup 7th  
stage with  
214,700# ,  
20/40 PSA  
Sand

Gallup 5th:  
9133'-9322'-with  
24, 0.40" holes.  
Gallup 5th stage  
with 218,500# ,  
20/40 PSA  
Sand

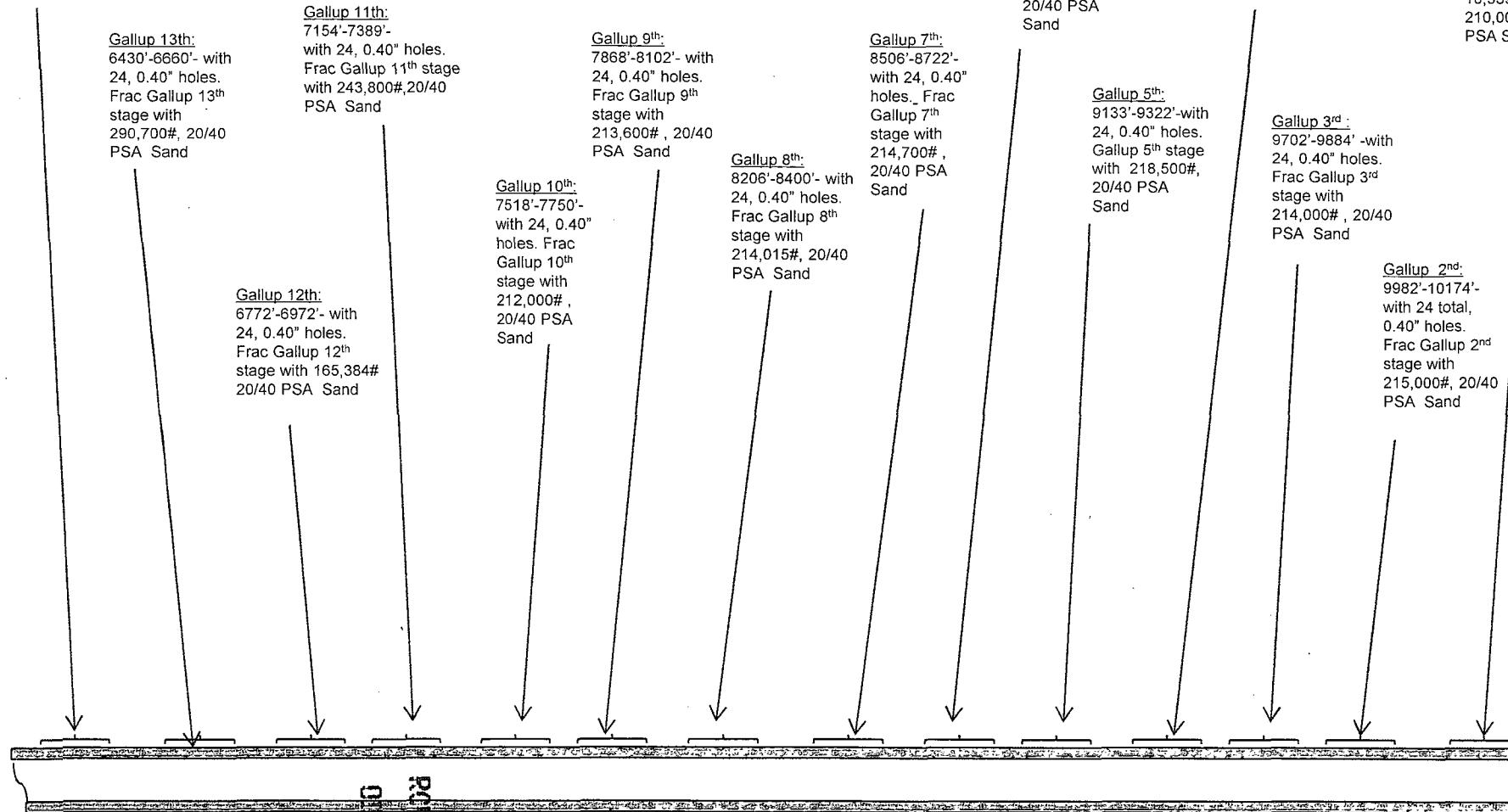
Gallup 3rd:  
9702'-9884' -with  
24, 0.40" holes.  
Frac Gallup 3rd  
stage with  
214,000# , 20/40  
PSA Sand

Gallup 2nd:  
9982'-10174'-  
with 24 total,  
0.40" holes.  
Frac Gallup 2nd  
stage with  
215,000#, 20/40  
PSA Sand

Gallup 12th:  
6772'-6972'- with  
24, 0.40" holes.  
Frac Gallup 12th  
stage with 165,384#  
20/40 PSA Sand

Gallup 10th:  
7518'-7750'-  
with 24, 0.40"  
holes. Frac  
Gallup 10th  
stage with  
212,000# ,  
20/40 PSA  
Sand

Gallup 8th:  
8206'-8400'- with  
24, 0.40" holes.  
Frac Gallup 8th  
stage with  
214,015# , 20/40  
PSA Sand



RD SEP 23 '14  
OIL CONS. DIV.  
DIST. 3

See page 1 for upper portion of hole