

Chaco 2206-02P#228H
LYBROOK GALLUP Horizontal
 (page 1)

Spud: 6/15/13

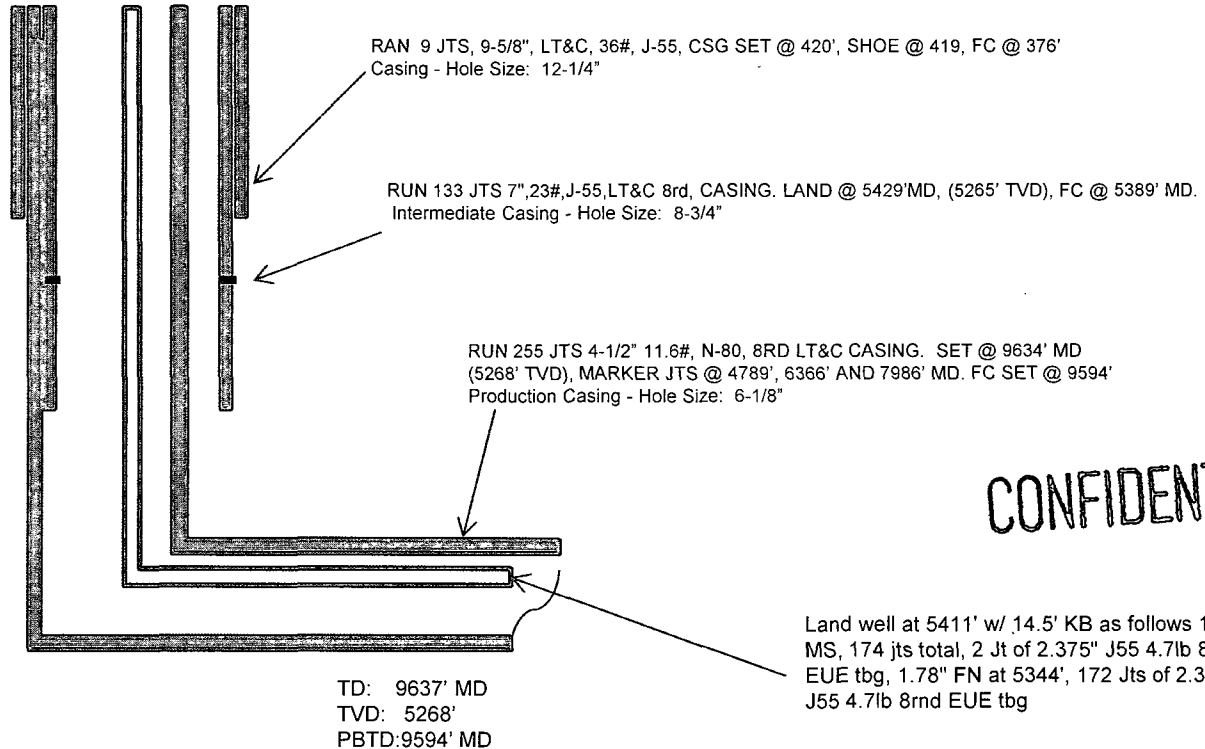
Completed: 8/24/13

Surface Location: 577' FSL & 805' FEL
 SE/4 NE/4 Section 2 (P), T22N, R6W

BHL: 389' FSL & 341' FWL
 SW/4 SW/4 Section 2 (M), T22N, R6W

SANDOVAL Co., NM
Elevation: 6944' GR
API: 30-043-21147

<i>Tops</i>	<i>MD</i>	<i>TVD</i>
Ojo Alamo	1273'	1272'
Kirtland	1531'	1530'
Pictured Cliffs	1808'	1806'
Lewis	1906'	1903'
Chacra	2226'	2219'
Cliff House	3365'	3320'
Menefee	3396'	3350'
Point Lookout	4111'	4057'
Mancos	4289'	4235'
Gallup	4667'	4610'



CONFIDENTIAL

HOLE SIZE	CASING	CEMENT	VOLUME	CMT TOP
12-1/4"	9-5/8"	255 sx	298 cu.ft.	Surface
8-3/4"	7"	750sx	1032 cu. ft.	Surface
6-1/8"	4-1/2"	540 sx	524 cu. ft.	3220' TOC

Lg 8/29/13

AV

RCVD AUG 29 '13
 OIL CONS. DIV.
 DIST. 3

Gallup 14th:
5545'-5769'- with
32, 0.40" holes.
Frac Gallup 14th
stage with
263,300# , 20/40
PSA Sand

Gallup 12th:
6112'-6287'- with
32, 0.40" holes.
Frac Gallup 12th
stage with 263,300#
, 20/40 PSA Sand

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LYBROOK GALLUP Horizontal

(page 2 – lateral with completion)

Gallup 6th:
7870'-8050' with
32, 0.40" holes.
stage with
215,200# ,
20/40 PSA
Sand

Gallup 5th:
8109'-8333'-with
32, 0.40" holes.
Frac Gallup 5th
stage with
215,000# , 20/40
PSA Sand

Gallup 1st:
9289'-9502'
stage with
217,800# 20/40
PSA Sand

Gallup 13th:
5860'-6056'- with
32, 0.40" holes.
Frac Gallup 13th
stage with
262,500# , 20/40
PSA Sand

Gallup 11th:
6393'-6622'- with
32, 0.40" holes
265,300# , 20/40
PSA Sand

Gallup 9th:
7051'-7257'- with
32, 0.40" holes.
stage with
214,800# , 20/40
PSA Sand

Gallup 7th:
7593'-7793'-
with 32, 0.40"
holes. Frac
Gallup 7th
stage with
215,600# ,
20/40 PSA
Sand

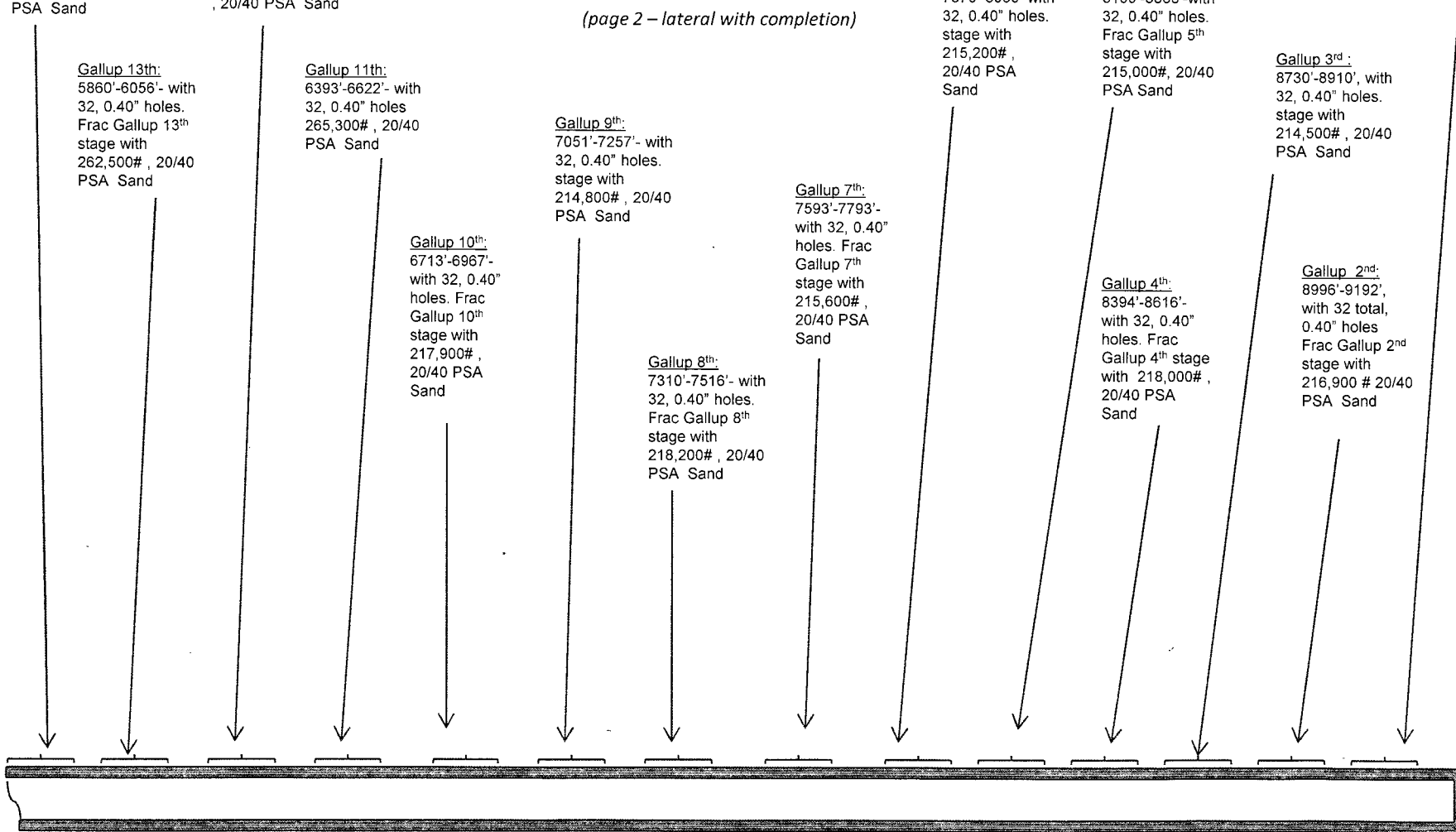
Gallup 3rd:
8730'-8910', with
32, 0.40" holes.
stage with
214,500# , 20/40
PSA Sand

Gallup 10th:
6713'-6967'-
with 32, 0.40"
holes. Frac
Gallup 10th
stage with
217,900# ,
20/40 PSA
Sand

Gallup 8th:
7310'-7516'- with
32, 0.40" holes.
Frac Gallup 8th
stage with
218,200# , 20/40
PSA Sand

Gallup 4th:
8394'-8616'-
with 32, 0.40"
holes. Frac
Gallup 4th stage
with 218,000# ,
20/40 PSA
Sand

Gallup 2nd:
8996'-9192',
with 32 total,
0.40" holes
Frac Gallup 2nd
stage with
216,900 # 20/40
PSA Sand



See page 1 for upper portion of hole