

NE CHACO COM #184H CHACO UNIT NE HZ (OIL)(page 1)

Spud: 6/4/14

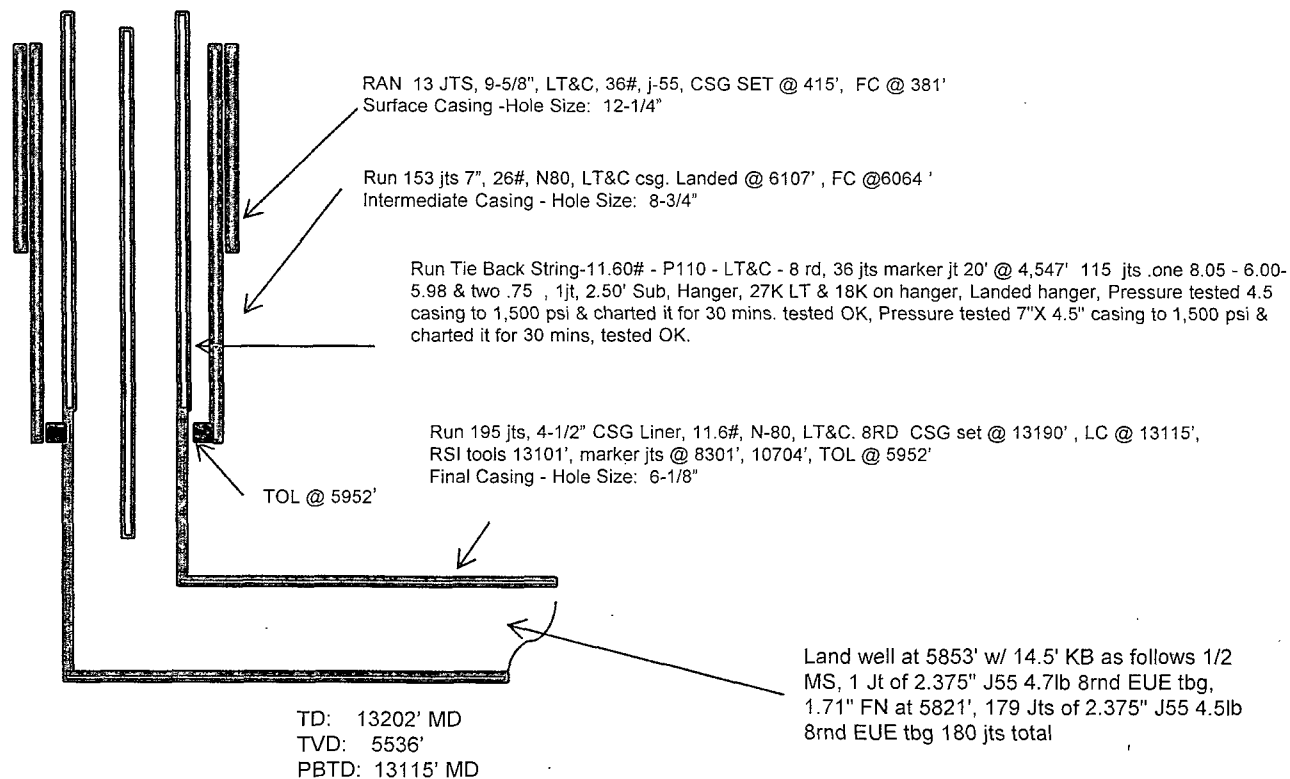
Completed: 12/6/14

SHL: 929' FNL & 18' FEL
NE/4 NE/4 Section 13(A), T23N, R7W

BHL: 417' FSL & 1914' FWL
SE/4 SW/4 Section 11 (N), T23N, R 7W

RIO ARRIBA NM
Elevation: 6991
API: 30-039-31224

| Top | MD | TVD |
|----------------|------|------|
| Ojo Alamo | 1411 | 1400 |
| Kirtland | 1735 | 1719 |
| Picture Cliffs | 2032 | 2012 |
| Lewis | 2123 | 2101 |
| Chacra | 2453 | 2431 |
| Cliff House | 3539 | 3508 |
| Menefee | 3584 | 3558 |
| Point Lookout | 4320 | 4270 |
| Mancos | 4535 | 4486 |
| Gallup | 4932 | 4888 |



| HOLE SIZE | CASING | CEMENT | VOLUME | CMT TOP |
|-----------|--------|--------|----------------|-----------|
| 12-1/4" | 9-5/8" | 245 sx | 222 cu.ft. | Surface |
| 8-3/4" | 7" | 892 sx | 1322.1 cu. ft. | Surface |
| 6-1/8" | 4-1/2" | 535 sx | 564.21 cu. ft. | TOL 5952' |
| | | | | |
| | | | | |

CONFIDENTIAL

OIL CONS. DIV DIST. 3

DEC 15 2014

LG 12/9/14

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Gallup 22nd:
6463'-6679'-
with 24, 0.40"
holes. Frac
Gallup 22nd
stage with
269,230#, 20/40
PSA Sand

Gallup 19th:
7426'-7657'-
with 24, 0.40" holes.
Frac Gallup 19th stage
with 262,905#, 20/40
PSA Sand

Gallup 21st:
6779'-6995'-
with 24, 0.40"
holes. Frac
Gallup 21st
stage with
267,660#, 20/40
PSA Sand

Gallup 18th:
7757'-7988'- with
24, 0.40" holes.
Frac Gallup 18th
stage with
261,134#, 20/40
PSA Sand

Gallup 20th:
7095'-7326'- with
24, 0.40" holes.
Frac Gallup 20th
stage with
264,470#, 20/40
PSA Sand

Gallup 17th:
8088'-8274'-
with 24, 0.40"
holes. Frac
Gallup 17th
stage with
218,760#, 20/40
PSA Sand

Gallup 16th:
8374'-8560'- with
24, 0.40" holes.
Frac Gallup 16th
stage with
215,300#, 20/40
PSA Sand

Gallup 15th:
8660'-8842'- with
24, 0.40"
holes. Frac Gallup
15th stage with
214,070#, 20/40
PSA Sand

Gallup 13th:
9232'-9418'- with
24, 0.40" holes.
Frac Gallup 13th
stage with
207,057#, 20/40
PSA Sand

Gallup 14th:
8946'-9132'-
with 24, 0.40"
holes. Frac
Gallup 14th
stage with
215,624#, 20/40
PSA Sand

Gallup 12th:
9520'-9701'- with
24, 0.40" holes.
Frac Gallup 12th
stage with 212,857#
20/40 PSA Sand

Gallup 11th:
9804'-9990'- with 24,
0.40" holes. Frac
Gallup 11th stage with
211,076#, 20/40 PSA
Sand

Gallup 10th:
10090'-
10291'- with
24, 0.40"
holes. Frac
Gallup 10th
stage with
218,017#,
20/40 PSA
Sand

Gallup 9th:
10391'-10607'-
with 24, 0.40"
holes. Frac Gallup
9th stage with
216,366#, 20/40
PSA Sand

Gallup 8th:
10715'-10923'- with 24,
0.40" holes. Frac Gallup
8th stage with 214,000#,
20/40 PSA Sand

Gallup 7th:
11028'-
11239'- with
24, 0.40"
holes. Frac
Gallup 7th
stage with
215,371#,
20/40 PSA
Sand

Gallup 6th:
11339'-11555'-
with 24, 0.40"
holes. Frac
Gallup 6th stage
with 215,340#,
20/40 PSA
Sand

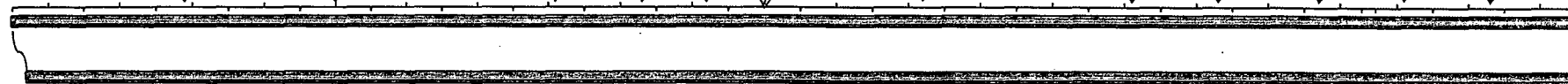
Gallup 5th:
11655'-11871'-
with 24, 0.40"
holes. Frac
Gallup 5th stage
with 215,000#,
20/40 PSA
Sand

Gallup 4th:
11974'-12187'-
with 24, 0.40"
holes. Frac
Gallup 4th stage
with 216,700#,
20/40 PSA
Sand

Gallup 3rd:
12287'-12503'-
with 24, 0.40"
holes. Frac Gallup
3rd stage with
215,000#, 20/40
PSA Sand

Gallup 2nd:
12603'-
12821'- with
24 total, 0.40"
holes. Frac
Gallup 2nd
stage with
213,500#,
20/40 PSA
Sand

Gallup 1st:
12919'-13044' +
RSI TOOL @
13103' with
214,460 # 20/40
PSA Sand



See page 1 for upper portion of hole

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