

# Rosa Unit # 643H

## Basin Mancos

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Spud: 7/26/15

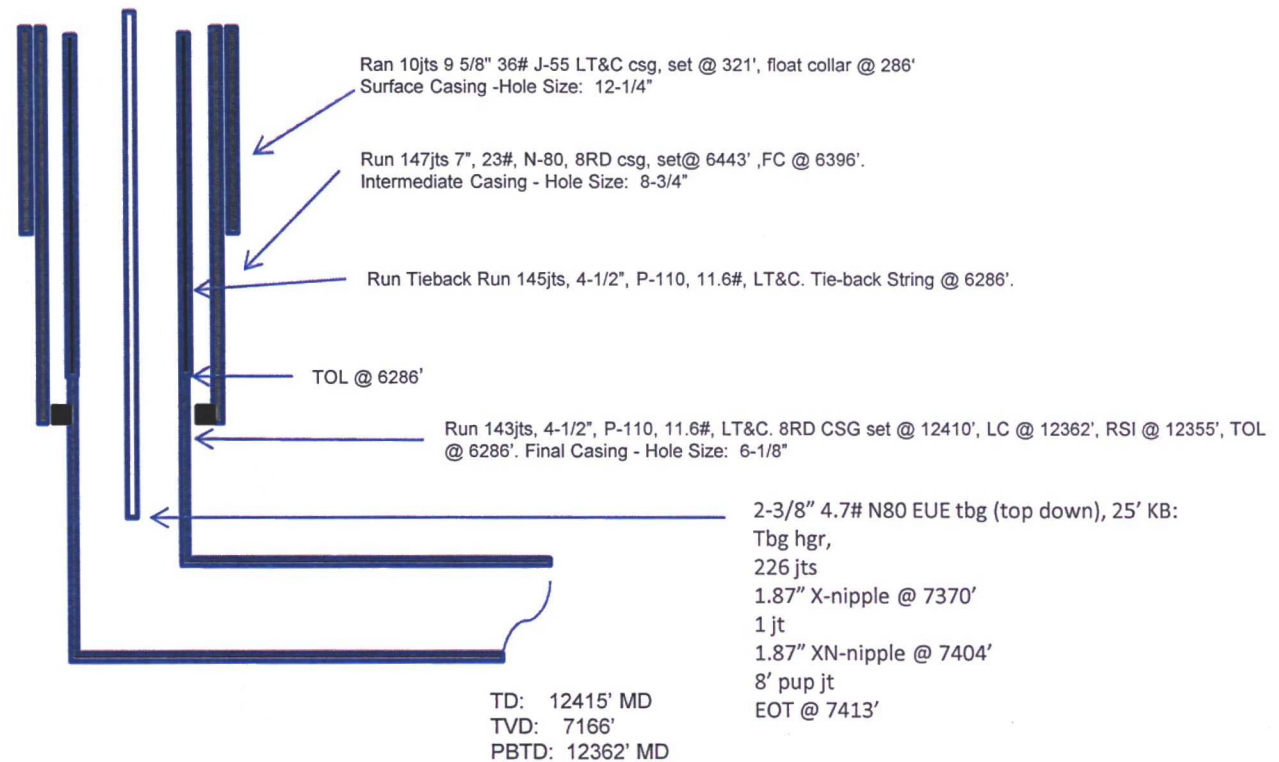
Completed: 12/12/15

**SHL:** 972' FNL & 510' FWL  
NE/4 NW/4 Section 19(C), T31N, R5W

**BHL:** 1927' FNL & 44' FWL  
SW/4 NW/4 Section 24 (E), T31N, R6W

Rio Arriba, NM  
**Elevation:** 6305'  
**API:** 30-039-31317

| Tops           | MD   | TVD  |
|----------------|------|------|
| Ojo Alamo      | 2461 | 2433 |
| Kirtland       | 2575 | 2545 |
| Picture Cliffs | 3397 | 3354 |
| Lewis          | 3588 | 3542 |
| Chacra         | 4641 | 4582 |
| Cliff House    | 5449 | 5376 |
| Menefee        | 5494 | 5420 |
| Point Lookout  | 5723 | 5645 |
| Mancos         | 6205 | 6121 |



| HOLE SIZE | CASING | CEMENT | VOLUME     | CMT TOP     |
|-----------|--------|--------|------------|-------------|
| 12-1/4"   | 9-5/8" | 10 lsx | 163cu.ft.  | Surface     |
| 8-3/4"    | 7"     | 1492sx | 2114cu.ft. | TOC @ 425'  |
| 6-1/8"    | 4-1/2" | 740sx  | 947cu.ft.  | TOL @ 6286' |