

# N Escavada Unit #317H API #: 30-043-21295

SHL: 228' FSL 1547' FEL Sec: 9 Twnshp: 22N Rge: 7W  
BHL: 1839' FSL 2284' FEL Sec: 5 Twnshp: 22N Rge: 7W

Spud Date: 11/21/2017  
Completion Date: 1/20/19

Lat: 36.148044 °N Long: 107.574119 °W  
Escavada Mancos W  
County: Sandoval NM  
Elevation: 6864'

Created By: mwarp 1/16/19  
Modified By: mwarp 1/21/19  
Modified By: lgranillo 1/31/19  
Amended By: lgranillo 2/11/19

## Current Wellbore

**CONFIDENTIAL**

12 1/4" Hole

8 3/4" Hole

TOL @ 4650'

| Formation       | MD   | TVD  |
|-----------------|------|------|
| OJO ALAMO       | 762  | 760  |
| KIRTLAND        | 965  | 960  |
| PICTURED CLIFFS | 1302 | 1287 |
| LEWIS           | 1411 | 1390 |
| CHACRA          | 1715 | 1674 |
| CLIFF HOUSE     | 2908 | 2774 |
| MENEFEE         | 2942 | 2806 |
| POINT LOOKOUT   | 3885 | 3673 |
| MANCOS          | 4052 | 3827 |
| GALLUP          | 4410 | 4169 |

### Directional Data:

40° @ ~4,984'  
50° @ ~5,079'  
60° @ ~5,174'/ 4,813' TVD  
70° @ ~5,269'  
80° @ ~5,395'  
90° @ ~5,522'/ 4,895' TVD

6 1/8" Hole

KOP~ 4,351'

**9 5/8" Surface** 15 jnts 36# J-55 LTC  
@ 330' Cmt w/ 101 sx type I-II Lead  
@ 14.5 ppg. Dropped plug & disp w/  
23.7 bbls H2O, bumpb plug, circ 10  
bbls cmt to surface.

**7" Intermediate** 136 jnts 23#  
LT&C to 5,663'. Cemented w/  
460 sx Lead, 490 sx Tail.  
Circulated 80 bbls cmt to  
surface. BURST = 6340 psi.

**4-1/2" Production** 215 jnts 11.6# P-110 to  
15,113' (LT&C). PBD = 15,037'. Cemented  
Pumped 40 bbls tuned spacer @ 11.5#,  
followed by 905 sx 13.3# lead cement,  
displaced with 203 bbls. Dropped plug, floats  
held. Circulated 40 bbl good cmnt back to  
surface.

### 55 Stage Completion (12/5/2018-12/29/18):

Perfs: 5,745 – 14,998'  
.37"-.42" EHD perfs (1979 holes)  
Effective Lateral: 9,975'  
Perf Spacing: 17.5'  
Ft/Stg: 180 ft/stg  
Total Fluid: 8,252,779 gal  
Fluid/stg: 150,050.52 gal/stg

RCS: 1,433,740 lbs  
Total Prop: 18,052,482 lbs  
# Sand/Effect Ft: 1,810 lbs/ft

### BHA Detail: (1/21/2019)

5 jts 2 7/8" 6.5# L80 (bullplugged btm)  
6' Desander  
3550 Series ESP (112.65')  
128 jts 2 7/8" 6.50# L80  
ESP Intake @ 3,989.14'  
EOT @ 4191.97' (132 jts 2 7/8" tbg total)

Fish 9,127'-13,627'

(4) Dissolvable Plugs

Perfd @ 5745'-14998', 0.35" & .42" diameter w/ 1979 total holes.  
Frac'd @ 5745'-14998' w/ 55 stages of 30/50 & 20/40 sand of 18,052,482# total.

PBD: 15,065'  
TD: 15,115' MD  
TVD: 4,960.04'