

**N ESCAVADA UNIT 312H**  
**API # 30-043-21294**



**Location**

SHL: 515' FSL 2378' FEL Sec: 11 Twnshp: 22N Rge: 7W  
 BHL: 2290' FSL 476' FWL Sec: 3 Twnshp: 22N Rge: 7W

Spud Date: 9/13/2017

Elevation: 6961'

Lat: 36.147895

Completion: 2/14/2018

County Sandoval

Long: -107.543854

Pool Name: Escavada N; Mancos

Wellbore updated 2/27/18

| Formation       | MD   | TVD  |
|-----------------|------|------|
| OJO ALAMO       | 993  | 991  |
| KIRTLAND        | 1162 | 1158 |
| PICTURED CLIFFS | 1463 | 1457 |
| LEWIS           | 1578 | 1571 |
| CHACRA          | 1875 | 1867 |
| CLIFF HOUSE     | 2951 | 2935 |
| MENEFEE         | 3025 | 3008 |
| POINT LOOKOUT   | 3877 | 3857 |
| MANCOS          | 4038 | 4018 |
| GALLUP          | 4373 | 4353 |

Tubing :Land Production string /Gas lift system. Landed @ 5461'. 166 Jnts of 2 7/8" 6.5# J-55. Packer set @ 5296', 9 Gas Lift Valves

12 1/4"  
Hole

8 3/4"  
Hole

6 1/8"  
Hole

Surface: 9-5/8" 15 jnts 36# J-55 ST&C  
 csg, set @ 330', float collar @ 307'  
 Cmt'd 101sx of Type I-II. Circ., 10bbbls  
 of cmt to surface.

TD @ 335'.

Intermediate: 7" csg set @ 5630', 129jts of  
 CP-80, 23#, FC @ 5584'. Cmt'd w/ Lead @  
 (465sx/161.5bbbls) of Halcem, followed by  
 Tail @ (470sx/108.8bbbls) of Varicem. w/  
 68bbbls of good cement back to surface.

TOL @ 5492'.

TD @ 5640'

Prod Liner: 4 1/2" csg set @ 15434', 225 jts  
 2 PUPS JTS of P-110, 11.6#. LC @ 15388',  
 RSI @ 15366', TOL @ 5492'.  
 Cmt'd 935sx of Extendacem. Circ., 50 Bbl  
 Good Cement to Surface

TD @ 15435'

PBTD @ 15388'.

Perf'd w/ 4spf @ 5650'-15365' w/ , 0.35" diameter w/  
 752 total holes.

Frac'd w/ @ 5650'-15365' w/ 32 stages of 20/40 sand  
 of 9,280,000# total.

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