

# N Escavada Unit #316H API #:30-043-21300

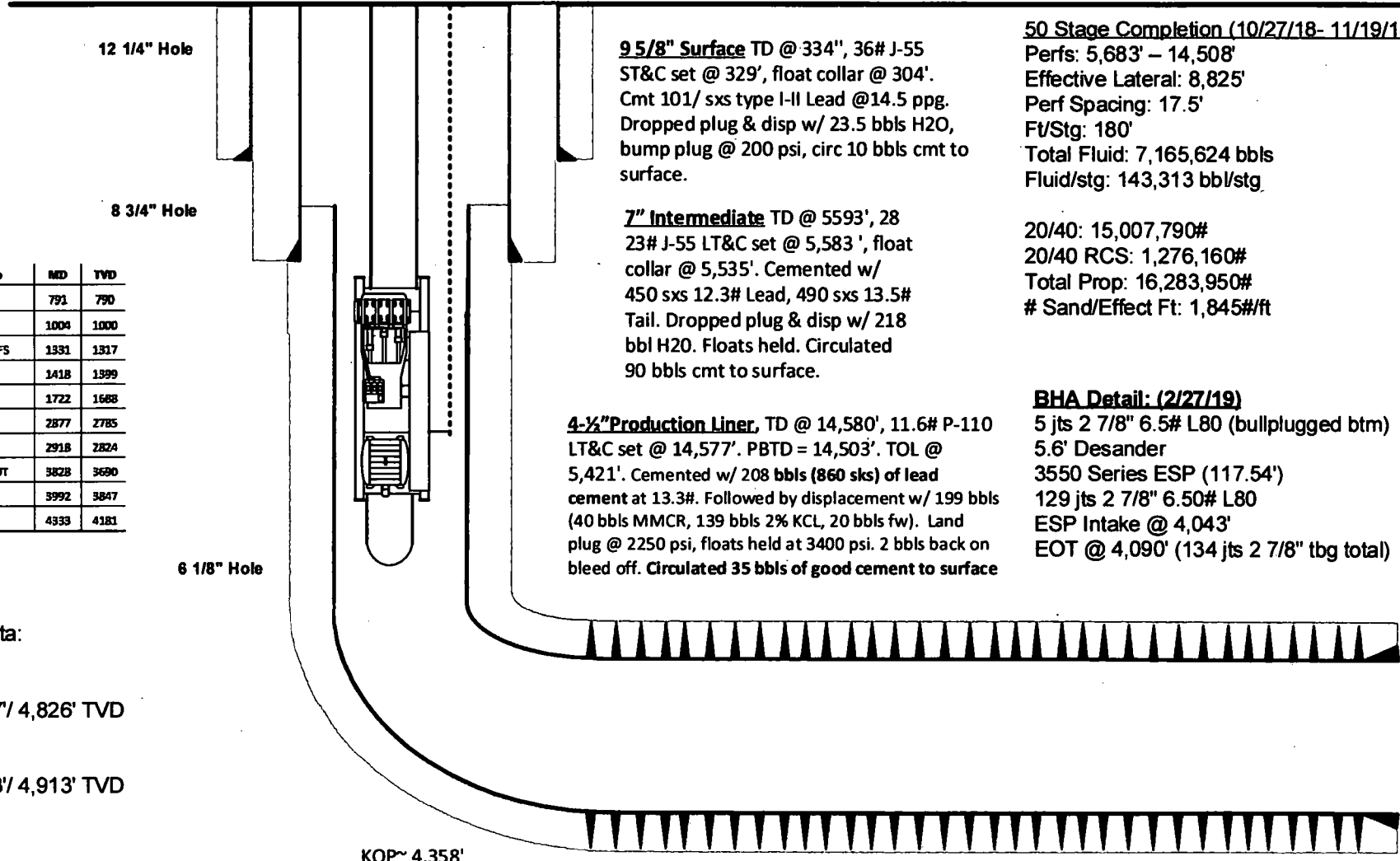
SHL: 1590' FSL      211' FWL      Sec: 10    Twnshp: 22N    Rge: 7W  
 BHL: 2306' FSL      1040' FEL      Sec: 5     Twnshp: 22N    Rge: 7W

Spud Date: 10/27/2017  
 Completion Date: 1/31/19  
 Tbg Change: 2/27/19

Lat: 36.15177 °N    Long: 107.570449 °W  
 Escavada Mancos W  
 County: Sandoval NM  
 Elevation: 6860.01'

Created By: mwarp 10/19/18  
 Modified By: mwarp 2/5/19  
 Modified By: Igranillo 2/6/19  
 Modified By: Igranillo 3/14/19

## Current Wellbore



Formation Top	MD	TVD
OJO ALAMO	791	790
KIRTLAND	1004	1000
PICTURED CLIFFS	1331	1317
LEWIS	1418	1399
CHACRA	1722	1668
CLIFF HOUSE	2877	2785
MENEFEE	2918	2824
POINT LOOKOUT	3828	3690
MANCOS	3992	3847
GALLUP	4333	4181

Directional Data:  
 40° @ ~4,897'  
 50° @ ~4,992'  
 60° @ ~ 5,087/ 4,826' TVD  
 70° @ ~5,182'  
 80° @ ~ 5,309'  
 90° @ ~ 5,683/ 4,913' TVD

KOP~ 4,358'

**9 5/8" Surface** TD @ 334", 36# J-55  
 ST&C set @ 329', float collar @ 304'.  
 Cmt 101/ sxs type I-II Lead @14.5 ppg.  
 Dropped plug & disp w/ 23.5 bbls H2O,  
 bump plug @ 200 psi, circ 10 bbls cmt to  
 surface.

**7" Intermediate** TD @ 5593', 28  
 23# J-55 LT&C set @ 5,583', float  
 collar @ 5,535'. Cemented w/  
 450 sxs 12.3# Lead, 490 sxs 13.5#  
 Tail. Dropped plug & disp w/ 218  
 bbl H2O. Floats held. Circulated  
 90 bbls cmt to surface.

**4-1/2" Production Liner**, TD @ 14,580', 11.6# P-110  
 LT&C set @ 14,577'. PBD = 14,503'. TOL @  
 5,421'. Cemented w/ 208 bbls (860 sks) of lead  
 cement at 13.3#. Followed by displacement w/ 199 bbls  
 (40 bbls MMCR, 139 bbls 2% KCL, 20 bbls fw). Land  
 plug @ 2250 psi, floats held at 3400 psi. 2 bbls back on  
 bleed off. Circulated 35 bbls of good cement to surface

**50 Stage Completion (10/27/18- 11/19/18):**  
 Perfs: 5,683' – 14,508'  
 Effective Lateral: 8,825'  
 Perf Spacing: 17.5'  
 Ft/Stg: 180'  
 Total Fluid: 7,165,624 bbls  
 Fluid/stg: 143,313 bbl/stg

20/40: 15,007,790#  
 20/40 RCS: 1,276,160#  
 Total Prop: 16,283,950#  
 # Sand/Effect Ft: 1,845#/ft

**BHA Detail: (2/27/19)**  
 5 jts 2 7/8" 6.5# L80 (bullplugged btm)  
 5.6' Desander  
 3550 Series ESP (117.54')  
 129 jts 2 7/8" 6.50# L80  
 ESP Intake @ 4,043'  
 EOT @ 4,090' (134 jts 2 7/8" tbg total)

Perf'd @ 5683'-14508', 0.35" & .42" diameter w/ 1764 total holes.  
 Frac'd @ 5683'-14508' w/ 50 stages of 20/40 sand

PBD: 14,530'  
 TD: 14,580' MD  
 TVD: 5,010'