

N Escavada Unit #331H API #:30-043-21298

SHL: 1584' FSL 192' FWL Sec: 10 Twnshp: 22N Rge: 7W
BHL: 2319' FNL 1662' FEL Sec: 15 Twnshp: 22N Rge: 7W

Spud Date: 10/24/2017
Completion Date: 2/6/19

CONFIDENTIAL

Lat: 36.151213 °N Long: 107.570647 °W
Escavada Mancos W
County: Sandoval NM
Elevation: 6860.01'

Created By: mwarp 10/17/18
Modified By: mwarp 2/6/19
Modified by: Igranillo 2/13/19

Current Wellbore

9 5/8" Surface TD @ 344', 36# J-55
ST&C set @ 339' Cmt 101/ sxs type I-II
Lead @14.5 ppg. Dropped plug & disp
w/ 24.5 bbls H2O, bump plug @ 200 psi,
circ 10 bbls cmt to surface.

7" Intermediate TD @ 5620', 126
jts 23# J-55 LT&C set @5,608'.
Cemented w/ 460 sx 12.3# Lead,
485 sx 13.5# Tail. Circulated 105
bbls cmt to surface.

4-1/2" Production Liner, TD @ 11,025', 11.6# P-110
to 11,020'. PBTD = 10,973'. TOL @ 5,454'.
Cemented Pumped 40 bbls tuned spacer @ 11.5#.
Pumped 128 bbls (530 sxs) of lead cement at 13.3#.
Followed by displacement w/ 142 bbls (40 bbls MMCR,
62 bbls 2% KCL, 20 bbls fw, 48.6 bbl 2% KCL) Land plug
@ 1800 psi, floats held at 3000 psi. 1.5 bbls back on
bleed off plug down. Circulated 31 bbls of good cement
to surface.

30 Stage Completion (11/22/18- 12/1/18):

Perfs: 5,717' – 13,213'
Effective Lateral: 5,181'
Perf Spacing: 17.5'
Ft/Stg: 180
Total Fluid: 102,250 bbls
Fluid/stg: 3408 bbl/stg

30/50: 8,978,650#
20/40 RCS: 748,880#
Total Prop: 9,727,530#
Sand/Effect Ft: 1,878#/ft

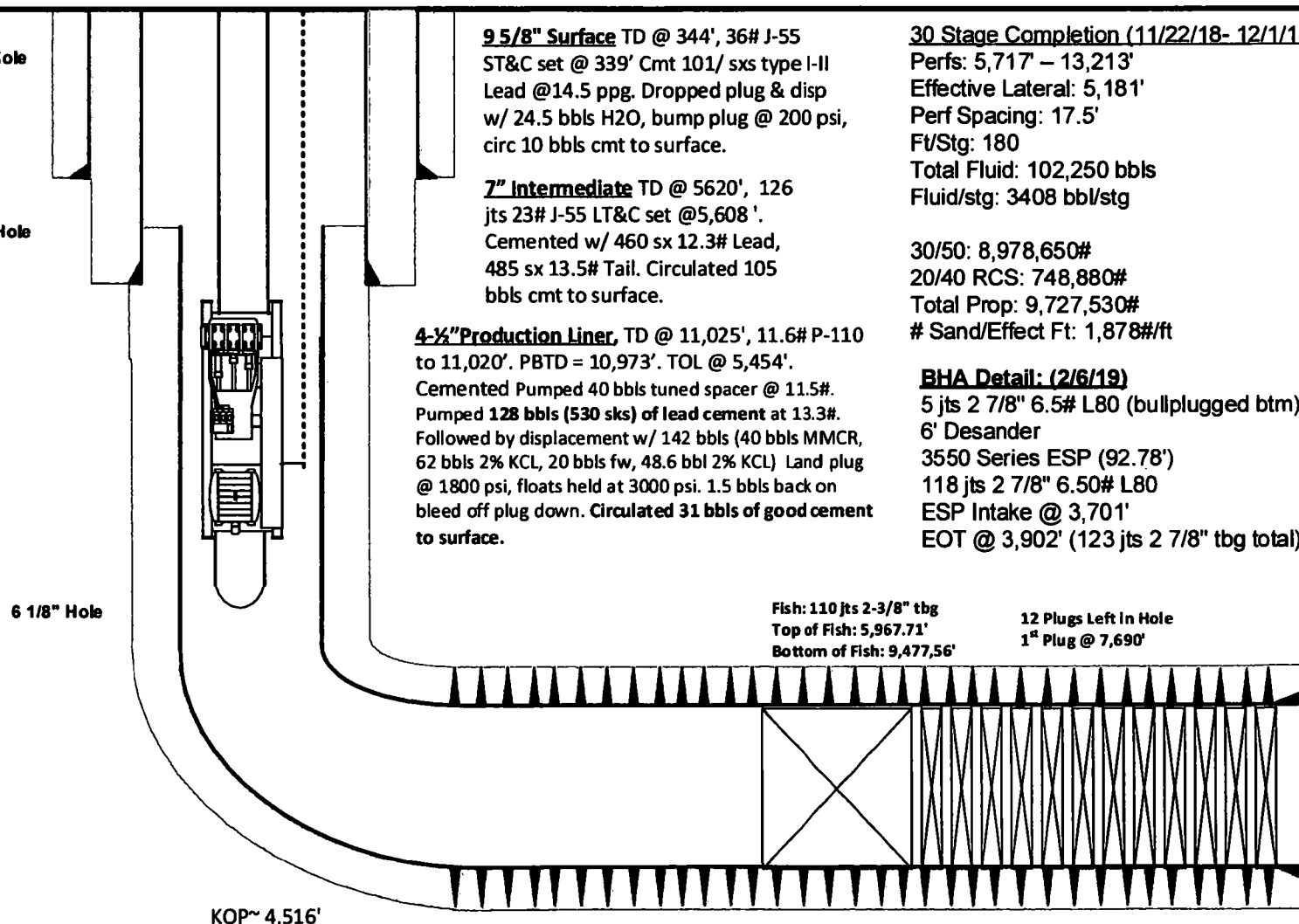
BHA Detail: (2/6/19)

5 jts 2 7/8" 6.5# L80 (bullplugged btm)
6' Desander
3550 Series ESP (92.78')
118 jts 2 7/8" 6.50# L80
ESP Intake @ 3,701'
EOT @ 3,902' (123 jts 2 7/8" tbgs total)

Formation Top	MD	TVD
OJO ALAMO	787	784
KIRTLAND	1003	997
PICTURED CLIFFS	1331	1316
LEWIS	1426	1407
CHACRA	1724	1693
CLIFF HOUSE	2896	2791
MENEFEE	2943	2836
POINT LOOKOUT	3848	3698
MANCOS	4009	3852
GALLUP	4357	4186

Directional Data:

40° @ ~4,927'
50° @ ~5,054'
60° @ ~ 5,149' / 4,845' TVD
70° @ ~5,245'
80° @ ~ 5,339'
90° @ ~ 5,435' / 4,917' TVD



Fish: 110 jts 2-3/8" tbgs
Top of Fish: 5,967.71'
Bottom of Fish: 9,477.56'

12 Plugs Left In Hole
1" Plug @ 7,690'

KOP~ 4,516'

Perf'd @ 5725'-10950', 0.35" & .42" diameter w/ 1044 total holes.
Frac'd @ 5725'-10950' w/ 30 stages of 30/50 sand.

PBTD: 10973'
TD: 11,025' MD
TVD: 4,915.07'