

W Lybrook UT 749H
Lybrook Mancos W
(page 1)

Spud: 2/19/16

Completed: 6/18/16

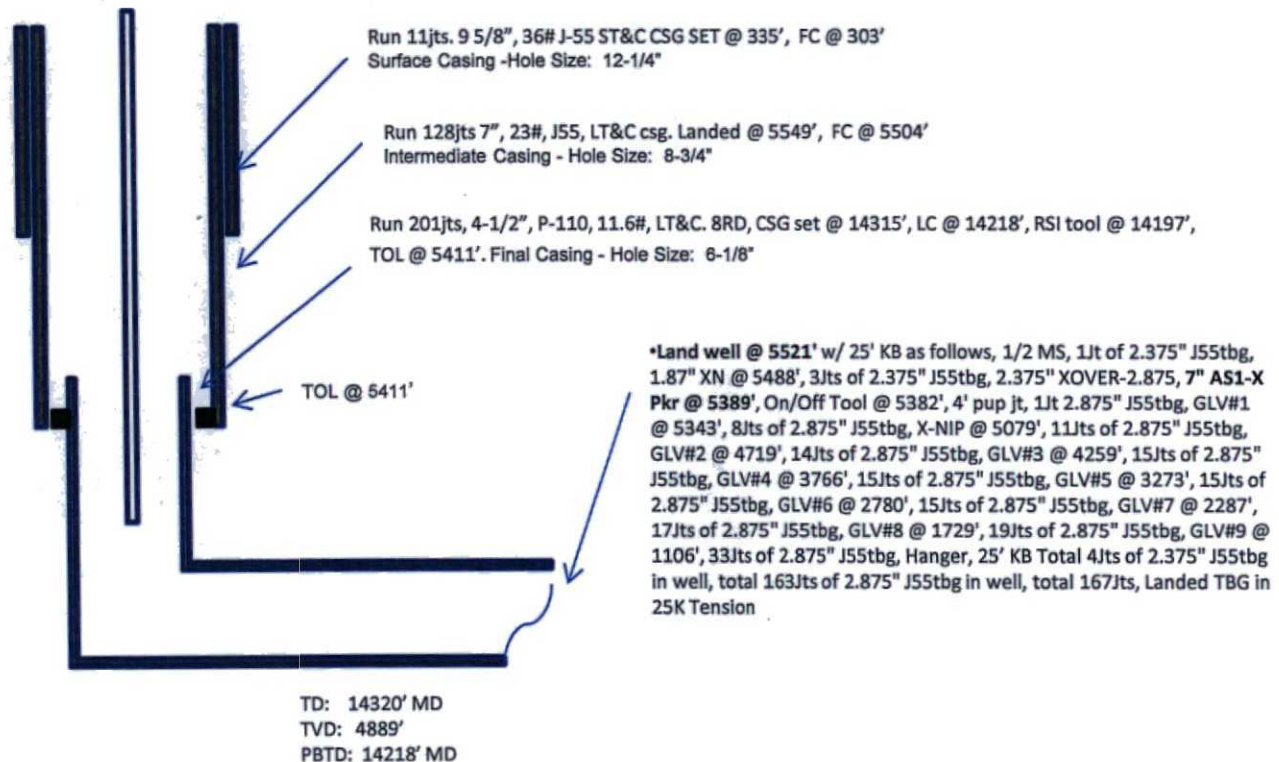
CONFIDENTIAL

SHL: 828' FSL & 480' FEL
SE/4 SE/4 Section 12 (P), T23N, R9W

BHL: 945' FNL & 336' FEL
NE/4 NE/4 Section 19 (A), T23N, R8W

San Juan NM
Elevation: 6733'
API: 30-045-35744

	MD	TVD
OJO ALAMO	589	589
KIRTLAND	757	757
PICTURE CLIFFS	1274	1264
LEWIS	1424	1408
CHACRA	1655	1623
CLIFF HOUSE	2864	2735
MENEFEE	2879	2749
PT LOOKOUT	3849	3641
MANCOS	4030	3808
GALLUP	4383	4133



HOLE SIZE	CASING	CEMENT	VOLUME	CMT TOP
12-1/4"	9-5/8"	10 lxx	162 cuft	Surface
8-3/4"	7"	925sx	1542 cuft	Surface
6-1/8"	4-1/2"	800sx	1088 cuft	TOL 5411'

MJ 6/29/16

W

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(page 2 – lateral w/ completion)

Mancos 24th
9296'-9446'- w/ 24,
0.35" holes. Frac
Mancos 24th stage
w/ 311,320#, 20/40
PSA Sand

Mancos 21st
9914'-10070'- w/
24, 0.35" holes.
Frac Mancos 21st
stage w/ 310,200#,
20/40 PSA Sand

Mancos 19th
10326'-10482'- w/
24, 0.35" holes.
Frac Mancos 19th
stage w/ 302,240#,
20/40 PSA Sand

Mancos 17th
10738'-10894'- w/
24, 0.35" holes.
Frac Mancos 17th
stage w/
310,686#, 20/40
PSA Sand

Mancos 15th
11150'-11306'-
w/ 24, 0.35"
holes. Frac
Mancos 15th
stage w/
310,380#, 20/40
PSA Sand

Mancos 13th
11562'-11718'-
w/ 24, 0.35"
holes. Frac
Mancos 13th
stage w/
309,920#, 20/40
PSA Sand

Mancos 11th
11974'-12130'-
w/ 24, 0.35"
holes. Frac
Mancos 11th
stage w/
310,140#, 20/40
PSA Sand

Mancos 9th
12386'-12542'- w/
24, 0.35" holes.
Frac Mancos 9th
stage w/ 310,057#,
20/40 PSA Sand

Mancos 7th
12798'-12954'-
w/ 24, 0.35"
holes. Frac
Mancos 7th
stage w/
310,420#,
20/40 PSA Sand

Mancos 5th
13,212'-13366'-
w/ 24, 0.35"
holes. Frac
Mancos 5th stage
w/ 310,193#,
20/40 PSA Sand

Mancos 3rd
13622'-13778'-
w/ 24, 0.35"
holes. Frac
Mancos 3rd stage
w/ 315,940#,
20/40 PSA Sand

Mancos 1st
14034'-14138' +
RSI TOOL @
14197', w/ 18,
0.35" holes. Frac
Mancos 2nd stage
w/ 311,268#,
20/40 PSA Sand

Mancos 23rd
9502'-9658'- w/ 24,
0.35" holes. Frac
Mancos 23rd stage
w/ 312,620#, 20/40
PSA Sand

Mancos 20th
10120'-10276'-
w/ 24, 0.35"
holes. Frac
Mancos 20th
stage w/
310,900#,
20/40 PSA Sand

Mancos 22nd
9708'-9864'- w/
24, 0.35" holes.
Frac Mancos
22nd stage w/
307,920#, 20/40
PSA Sand

Mancos 18th
10532'-10688'- w/
24, 0.35" holes.
Frac Mancos 18th
stage w/
309,920#, 20/40
PSA Sand

Mancos 16th
10944'-11100'-
w/ 24, 0.35"
holes. Frac
Mancos 16th
stage w/
312,000#, 20/40
PSA Sand

Mancos 14th
11360'-11512'-
w/ 24, 0.35"
holes. Frac
Mancos 14th
stage w/
309,740#, 20/40
PSA Sand

Mancos 12th
11768'-11926'-
w/ 24, 0.35"
holes. Frac
Mancos 12th
stage w/
310,203#,
20/40 PSA Sand

Mancos 10th
12180'-12336'-
w/ 24, 0.35"
holes. Frac
Mancos 10th
stage w/
311,111#, 20/40
PSA Sand

Mancos 8th
12598'-12748'-
w/ 24, 0.35"
holes. Frac
Mancos 8th
stage w/
310,210#,
20/40 PSA Sand

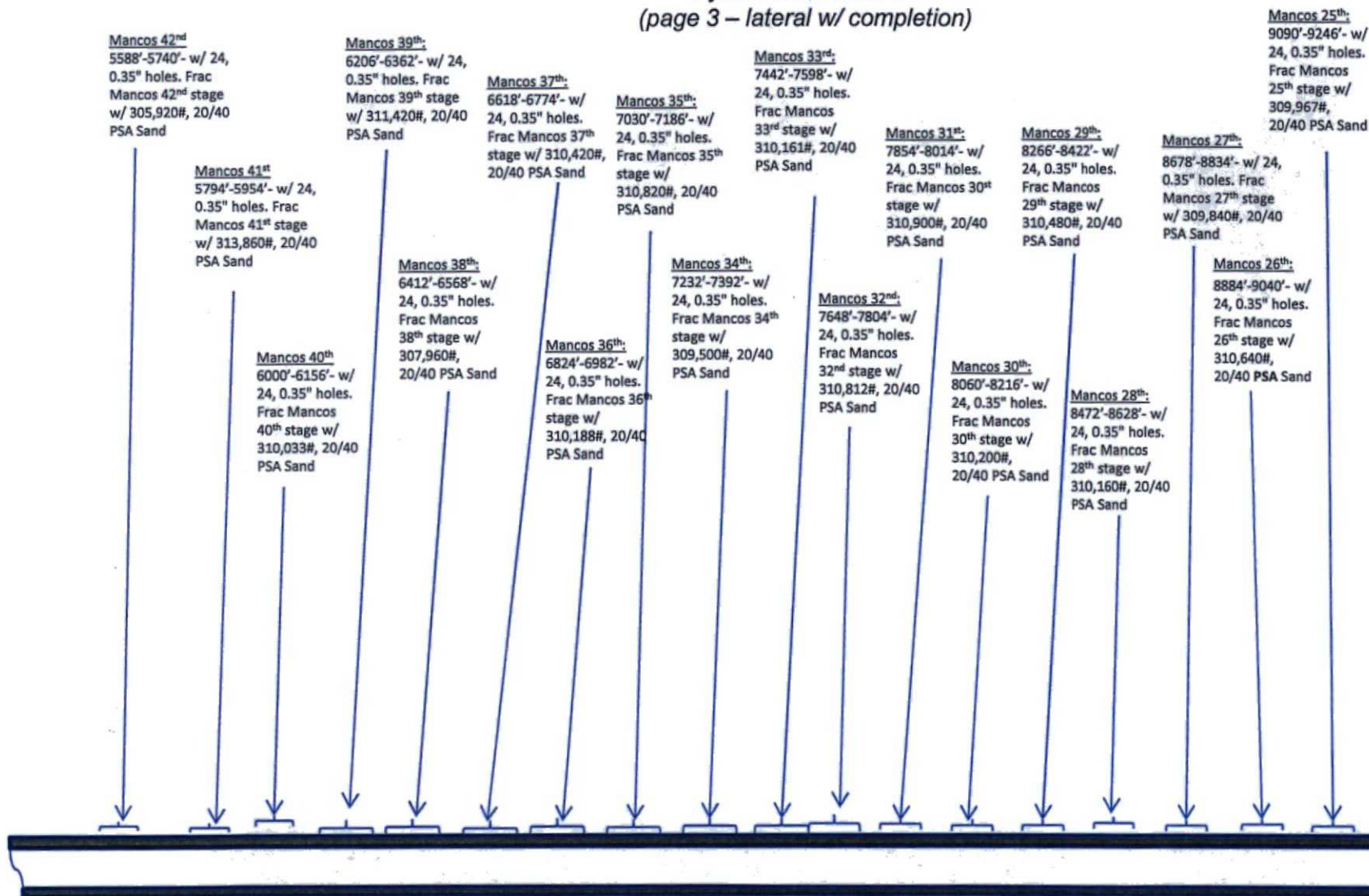
Mancos 6th
13004'-13160'-
w/ 24, 0.35"
holes. Frac
Mancos 6th
stage w/
310,299#,
20/40 PSA Sand

Mancos 4th
13416'-13572'-
w/ 24, 0.35"
holes. Frac
Mancos 4th stage
w/ 310,220#,
20/40 PSA Sand

Mancos 2nd
13828'-13982'-
w/ 24, 0.35"
holes. Frac
Mancos 2nd
stage w/
310,302#,
20/40 PSA Sand

See page 1 for upper portion of hole

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(page 3 – lateral w/ completion)



See page 1 for upper portion of hole