

NE CHACO COM #169H
API # 30-039-31211



Location

SHL: 1524' FNL 262' FWL Sec: 12 Twnshp: 23N Rge: 7W
 BHL: 1819' FNL 129' FWL Sec: 11 Twnshp: 23N Rge: 7W

Spud Date: 3/6/2014
 Completion: 5/5/2014
 Pull Tieback run GLV: 6/13/2014
 Current GLV: 7/11/2017
 Rod Pump: 10/24/2018

Lg 10/29/2018

Tops

MD

TVD

Ojo Alamo	1460'	1454'
Kirtland	1767'	1759'
Pictured Cliffs	2058'	2047'
Lewis	2170'	2159'
Chacra	2501'	2486'
Cliff House	3593'	3579'
Menefee	3623'	3609'
Point Lookout	4364'	4349'
Mancos	4566'	4552'
Gallup	4982'	4967'

RAN 13 JTS, 9-5/8", LT&C, 36#, J-55, CSG SET @ 423', FC @ 387'
 Surface Casing -Hole Size: 12-1/4"

Run 146 jts 7", 23#, J-55, LT&C csg. Landed @ 6113, FC @ 6068'
 Intermediate Casing - Hole Size: 8-3/4"

Run 128 jts 4-1/2", 11.6#, N-80, LT&C. CSG
 set @ 10594' (TVD 5516'), LC @ 10510',
 RSI tools 10483'-10490', marker jts
 @7231'&8870', TOL @5565'
 Final Casing - Hole Size: 6-1/8"

Frac: 6122'-10490' MD

TOL @ 5565' TD: 10690' MD
 TVD: 5514'
 PBTD:10510' MD

Land tubing @ 5554' w 177 jnts of 2-7/8", J-55, 6.5#
 Tubing/ Unset TAC and POOH w/ 1-jnt 2 7/8 J-55 yellow band
 tubing, 1-10' pup jnt, 141 jnt's of 2 7/8 J-55 yellow band
 tubing, 7" TAC, 1- jnt 2 7/8J-55 yellow band tubing, 2.25 SN, 2
 3/8 to 2 7/8 cross over, 3' 2 3/8 pup jnt, 1-2 3/8 hybrid gas and
 sand separator.

Rod detail: PRIME PUMP W/DIESEL, PICK UP NEW RODS
 OFF TRAILER, { ROD STRING, 1 1/2" X 26' SPRAY POLISH
 ROD, 6' X 7/8" PONY SUB, 18 X 7/8" SLICK RODS, 178 X
 3/4" GUIDED W/4 PER, 22 X 7/8" GUIDED W/4 PER, SHEAR
 SUB 26K, 2 1/2" X 1 1/2" X 14' RHBC PUMP W/30' X 1 1/4"
 DIP TUBE. } TAG SPACE OUT, LOAD/TEST TO 450/PSI.
 STROKE W/RIG AND HAD GOOD PUMP ACTION. LEFT
 132" STICK UP AS REQUESTED BY BLACK ARROW AND 8"
 OFF TAG.

HOLE SIZE	CASING	CEMENT	VOLUME	CMT TOP
12-1/4"	9-5/8"	245 s x	222 cu.ft.	Surface
8-3/4"	7"	890 s x	1137 cu. ft.	Surface
6-1/8"	4-1/2"	355 s x	552 cu. ft.	TOL 5565'