

NE CHACO COM #239H API # 30-039-31204



Location

SHL: 1704' FSL 517' FWL Sec: 6 Twnshp: 23N Rge: 6W
BHL: 2586' FNL 230' FWL Sec: 1 Twnshp: 23N Rge: 7W

Lat: 36.25117
Long: -107.51743

Spud Date: 12/11/2013
Completion: 3/7/2014
Pool Name: CHACO UNIT NE HZ OIL
Run GLV: 6/3/2014
Rod 10/30/2018

wellbore update: 11/6/18 LG

Tops	MD	TVD
Ojo Alamo	1463'	1448'
Kirtland	1788'	1763'
Pictured Cliffs	2078'	2044'
Lewis	2203'	2164'
Chacra	2541'	2492'
Cliff House	3653'	3568'
Menefee	3709'	3622'
Point Lookout	4440'	4333'
Mancos	4653'	4545'
Gallup	5076'	4967'

Tubing/Rod detail: Took well pressures C=0 T=0 BH=0 psi. Pick up and RIHW 2-1/2 x 1-1/4 x 16' RHBC Rod pump, 26k shear tool, 19 3/4 x 2-1/2" 5 per guided rods, 139 3/4 x 2 1/4 per guided, 50 7/8 x 2 1/4 per guided, 18 7/8 slick rods. 6' 7/8" pony rod, 1 1/2 x 26 Spray metal polished rod. Spaced out per Black Arrows recommendations. Loaded tubing with 33 bbl's of 2% Kcl water, pressured up to 500# tubing held (good test). Stroked pump with the rig tubing pressured up to 300# (good pump action)

Frac: 6236'-10443'

12 1/4"
Hole

8 3/4"
Hole

6 1/8"
Hole

Surface: TD 12-1/4" SURF HOLE @ 412', 0945 HRS.
RAN 13 JTS, 9-5/8", LT&C, 36#, J-55, CSG SET @ 407', FC @ 374'
Pump 10 bbls gel water, 10 bbls FW spacer, & 50.2 bbls Type G cmt (245 sxs) @ 15.8 PPG. Drop plug & disp w/ 28.9 bbls H2O. Bump plug @ 250 psi. Circ 25 bbls good cmt to surface.

Intermediate: TD 8-3/4" intermediate hole @ 6180' (TVD 5624') , 0630 hrs .Run 152 Jts 7", 23#, J-55, LT&C csg.

Landed @ 6178, FC @ 6134' Test cmt lines @ 5130# w/ h2o & 7000# w/ N2. Start cmt job w/ 10 bbl FW ahead, 40 bbl chem wash, 10 bbl fw, Lead foamed cmt as follows, 575 sks, 828 cu ft, 147 bbls, 50/50 poz premium, 0.2% veraset, 0.15% halad 766, 1.5% chem-foamer 760. Tail cmt 100 sks, 129 cu ft, 23 bbls, 50/50 poz premium, 0.2% veraset, 0.15% halad 766. Drop top plug & displace 7" csg w/ 241 bbls drlg mud @ 8.9 ppg, P.D. @ 13:38 hrs 01/24/2014. Bump plug to 1267#. Circ out 20 bbls foamed cmt to surface. Pump cap cmt, 100 sks, 117 cu ft, 21 bbls, Primary cmt, w/ 2% cacl.

Prod Liner: TD 6-1/8" lateral @ 10642' (TVD 5523') , 2030 hrs
Run 123 Jts 4-1/2", 11.6#, N-80, LT&C csg set @ 10,618' (5524' TVD), LC @ 10,539', 2 RSI tools 10,519'-10,526', marker jts @ 7517' & 9057', TOL @ 5977'
Test cmt lines @ 8500# [OK] Start job 10 bbl fw, 40 bbl tuned spacer 10 bbl fw ahead. 40 sks, 58.4 cu ft, 10.4 bbl premium cmt w/ 0.1% halad 766 [yld=1.46 wt=13 ppg] Lead foamed cmt 220 sks, 321 cu ft, 57 bbl 50/50 poz standard, 0.2% veraset, 0.2% halad-766, 1.5% chemfoamer, [yld=1.46 wt=13 ppg] Tail cmt, 100 sks, 130 cu ft, 23 bbls, 50/50 poz premium, 0.2% veraset, 0.05% halad-766, 0.05% sa-1015. [yld=1.3 wt=13.5 ppg] Drop dart displace w/ 130 bbl 2% kcl, late press=490# bump plug @ 1486#, Drop ball & Rupture disk @ 6427#, Reliese from liner hanger & circ out 15 bbls cmt to pit circ 1 1/2 times annular volume to pit. shut in well & test versaflex liner top @ 1500# f/ 30 min [OK] Run 159 Jts 4-1/2", 11.6#, N-80, LT&C csg Marker jt @ 4892', W/ no-go on bottom ; & sting seals into 4.5" X 7" VERSAFLEX liner hanger. RU MIT UNIT & TEST CASING AND PBR SEALS @ 1500# F/ 30 MIN [GOOD TEST]

TD @ 10642'

PBTD @ 10539.