NE CHACO COM #912H CHACO UNIT NE HZ OIL (page 1)

Spud: 7/7/15

Completed: 1/26/16

SHL: 2425' FNL & 231' FWL SW/4 NW/4 Section 5(E), T23N, R6W

BHL: 792' FNL & 337' FEL

NE/4 NE/4 Section 8 (A), T23N, R6W

RIO ARRIBA NM Elevation: 6882 API: 30-039-31298

OJO ALAMO	1492	1483
KIRTLAND	1778	1756
PICTURE		
CLIFFS	2118	2080
LEWIS	2226	2182
CHACRA	2590	2525
CLIFF HOUSE	3744	3617
MENEFEE	3770	3642
PTLOOKOUT	4511	4346
MANCOS	5171	4988
GALLUP	5435	5208

Run 14jts. 9 5/8", 36# J-55 LT&C CSG SET @ 323', FC @ 298' Surface Casing -Hole Size: 12-1/4" Run 141jts 7", 23#, J55, LT&C csg. Landed @ 6030', FC @ 5983'. DV tool @ 2455'. Intermediate Casing - Hole Size: 8-3/4" Run 144 jts, 4-1/2", P-110, 11.6#, LT&C. 8RD, CSG set @ 12219', LC @ 12128', RSI tool @ 12108', TOL @ 5879'. Final Casing - Hole Size: 6-1/8" TOL @ 5879'

Land well at 5,887' w/ 25' KB as follows, 1/2 MS, 1 Jt of 2.375" J55 tbg, 1.87" XN set at 6,014', 5 Jts of 2.375" J55 tbg, 2.375" XOVER- 2.875, 7" AS1-X Pkr set at 5853' w/ 15K in Tension, On/Off Tool at 5845', 4' pup jt, 1 Jt 2.875" J55 tbg, GLV #1 set at 5806', 9 Jts of 2.875" J55 tbg, X-NIP set at 5,509', 11 Jts of 2.875" J55 tbg, GLV #2 set at 5149', 14 Jts of 2.875" J55 tbg, GLV #3 set at 4688', 15 Jts of 2.875" J55 tbg, GLV #4 set at 4,195', 14 Jts of 2.875" J55 tbg, GLV #5 set at 3735', 15 Jts of 2.875" J55 tbg, GLV #6 set at 3241', 14 Jts of 2.875" J55 tbg, GLV #7 set at 2781', 15 Jts of 2.875" J55 tbg, GLV #8 set at 2288', 16 Jts of 2.875" J55 tbg, GLV #9 set at 1762', 20 Jts of 2.875" J55 tbg, GLV #10 set at 1106'. 33 Jts of 2.875" J55 tbg, Hanger, Total 6 Jts of 2.375" J55 tbg in well, Total 174 Jts of 2.875" J55 tbg in well, Total 177 Jts, NU production tree, lock down tbg hanger.

TD: 12225' MD TVD: 5412' PBTD: 12128' MD

HOLE SIZE	CASING	CEMENT	VOLUME	CMT TOP
12-1/4"	9-5/8"	101 sx	162.24 cu.ft.	Surface
8-3/4"	7"	845 sx	1404.62 cu.ft	Surface
6-1/8"	4-1/2"	675 sx	864 cu. ft.	TOL 5789'

OIL CONS. DIV DIST. 3 FEB 0 3 2016

LG 1/28/16



GL 1st: GL 3rd: NE CHACO COM #912H GL 5th: 11910'-GL 7th: 10419'-10571'- 10846'-11047'-11378'-11579'-12050' + RSI CHACO UNIT NE HZ OIL(page 2 - lateral with completion) with 24, 0.40" GL 215T: with 24, 0.40" TOOL @ with 24, 0.40" 7415'-7571'- with GL 19th: holes. Frac GL 3rd GL 23RD 12108', with holes. Frac GL 5th holes, Frac GL GL 15th: stage with 7003'-7158'- with 24, 0.40" holes. 243,094# 7830'-7983'stage with 7th stage with GL 9th: 8651'-8806'-236,885#, 30/50 24, 0.40" holes. Frac GL 21st 236,500#, 30/50 30/50 PSA with 24, 0.40" 235,220#, with 24, 0.40" •9962'-10162'- with GL 17th 30/50 PSA Sand PSA Sand PSA PSA Sand Frac GL 23rd Sand stage with GL 13th: holes. Frac 8239'-8394'- with holes. Frac GL 24, 0.40" holes. stage with 237,400#, 30/50 GL 19th stage GL 2nd: 9063'-9218'-Sand 24, 0.40" holes. 15th stage with GL 11th: Frac GL 9th stage 238,000#, 30/50 PSA Sand 11644'with 24, 0.40" with Frac GL 17th 9475'-9631'-237,600#, with 195,300#, **PSA Sand** GL 6th: 11841'-with 238,100#, holes. Frac GL GL 4th: 30/50 PSA with 24, 0.40" 30/50 PSA Sand stage with 10625'-24, 0.40" 30/50 PSA 13th stage with 236,000#, 30/50 Sand holes. Frac GL 11112'-11313'-10781'- with holes. Frac GL 237,400#, Sand 11th stage with PSA Sand with 24, 0.40" GL 8th: 24, 0.40" 2nd stage with GL 22ND 30/50 PSA 237,500#, holes. Frac GL 4th 237,900#, 10213'-10368'-7212'-7364'- with Sand holes. Frac GL 30/50 PSA stage with 30/50 PSA with 24, 0.40" 6th stage with 24, 0.40" holes. GL 20th: Sand 238,200#, 30/50 GL 16th: Sand Frac GL 22nd 7621'-7777'-GL 18th: holes. Frac GL 237,200#, **PSA Sand** 8445'-8600'with 24, 0,40" 8033'-GL 10th: 8th stage with 30/50 PSA stage with GL 14h: with 24, 0.40" 237,000#, 30/50 holes, Frac 8189'-9696'-198,200#, Sand 8852'-9012'-GL 12th: holes. Frac GL PSA Sand GL 20th stage with 24. 9896'- with 30/50 PSA Sand 9269'-9425'with 24, 0.40" 16th stage with 0.40" 24. 0.40" with with 24, 0.40" holes. Frac GL 238,700#, holes. 237,400#, holes. Frac holes. Frac GL 14th stage with 30/50 PSA 30/50 PSA Frac GL GL 10th 12th stage with 239,500#, 18th stage Sand Sand stage with 237,200#, 30/50 PSA with 225,000#, 30/50 PSA Sand 237,200#, 30/50 PSA Sand 30/50 PSA Sand Sand

NE CHACO COM #912H CHACO UNIT NE HZ OIL

GL 24th:

