Chaco 2307-13I #204H Chaco Unit NE HZ (oil) (page 1)

Spud: 6/30/14

Completed: 9/26/14

SHL: 1740' FSL & 274' FEL NE/4 SE/4 Section 13 (I), T23N, R7W

BHL: 871' FSL & 331' FWL SW/4 SW/4 Section 17 (M), T23N, R 7W

RIO ARRIBA NM Elevation: 6926' API: 30-039-31245

Tops	MD	TVD
Ojo Alamo Kirtland Pictured Cliffs Lewis Chacra Cliff House Menefee Point Lookout Mancos	1323' 1633' 1922' 2027' 2339' 3423 ' 3456' 4209' 7391'	1321' 1629 ' 1916' 2021' 2334' 3418 ' 3451' 4204' 4386 '
Gallup	4789′	4784'

run 13 jts. 9 5/8" 36# L/S LT&C csq, set @ 424', float collar @ 388' Surface Casing -Hole Size: 12-1/4" Run 140 jts 7", 23#, J-55, LT&C csg. Landed @ 5899', FC @ 5855' Intermediate Casing - Hole Size: 8-3/4" Run Tie Back String-TIH with seal assembly, No-Go, and 4 1/2" 11.6# N80 casing as follows; Seal Assembly with No-Go 5.85" OD 4.00" ID, 27 Jts 4 1/2" 11.6# N80 casing, 12' X 4 1/2" 11.6# N80 casing sub/ Marker Jt set @ 4528' - 4540', 1 = 20 Jts 4 1/2" 11.6# N80 casing, 8', 8', 14' casing subs, 1 Jt 4 1/2 " 11.6# N80 casing, 1 X 1.5' casing sub, and casing hanger. Total length of all Tubulars ran in well = 5536.73'. Had an up wt of 66K and down wt of 56K. Landed with 32K on liner top and leaving 24K on hanger. Total with KB difference is 5548.11'. Antelope psi test 4 1/2" casing to 1500 psi, held for 30 minutes, and recorded on chart. Psi tested 7" X 4 1/2" to 1500 psi, held for 30 minuted, and recorded on chart. All tests were good. Run 144 jts 4-1/2", 11.6#, N-80, LT&C csg. Landed @ 11,051', LC @ 10,971', RSI @ 10,944'-10.952', marker its @ 9.174' & 7.398'. TOL @ 5.544' Final Casing - Hole Size: 6-1/8" TOL @ 5544'

Land well at 5703' w/ 14.5' KB as follows 1/2 MS, 1 Jt of 2.375" J55 4.7lb 8rnd EUE tbg, 1.50" FN at 5631', 182 Jts of 2.375" J55 4.7lb 8rnd EUE tbg 183 its total

TD: 11280' MD TVD: 5480' PBTD: 10971' MD

HOLE SIZE	CASING	CEMENT	VOLUME	CMT TOP
12-1/4"	9-5/8"		222 cu.ft.	Surface
8-3/4"	7"		1461 cu. ft.	
6-1/8"				TOL 5544'
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Lg 10/1/14

-DNFIDENTIAL

Chaco 2307-13I #204H Chaco Unit NE HZ (oil) (page 2 – lateral with completion)

Gallup 1st; 10698'-10792' + RSI TOOL @ 10951' with 18. 0.40" holes with 201,000 # 20/40 PSA Sand.

