Chaco 2307-12L #171H CHACO UNIT NE HZ (OIL)(page 1)

Spud: 6/25/14

Completed: 10/7/14

SHL: 1987' FSL & 331' FWL NW/4 SW/4 Section 12(L), T23N, R7W

BHL: 2398' FSL & 1728' FWL NE/4 SW/4 Section 11 (H), T23N, R 7W

RIO ARRIBA NM Elevation: 7002 API: 30-039-31217

Tops	MD	TVD
Ojo Alamo	1400′	1393
Kirtland	1748'	1716'
Pictured Cliffs	2072'	2012'
Lewis	2174'	2103'
Chacra	2548'	2440'
Cliff House	3748 '	3542 '
Menefee	3808'	3597'
Point Lookout	4552′	4286'
Mancos	4774'	4489 '
Gallup	5207′	4898'

RAN 13 JTS, 9-5/8", LT&C, 36#, j-55, CSG SET @ 421', FC @ 386' Surface Casing -Hole Size: 12-1/4" Run 150 jts 7", 23#, J-55, LT&C, 8RD csg, landed @ 6318', FC @ 6275' Intermediate Casing - Hole Size: 8-3/4" Run Tie Back String-No-Go, and 4 1/2" 11.6# N80 casing as follows; Seal Assembly with No-Go 5.85" OD 4.00" ID, 46 Jts 4 1/2" 11.6# N80 casing, 12' X 4 1/2" 11.6# N80 casing sub/ Marker Jt set @ 4476' - 4496', 120 Jts 4 1/2" 11.6# N80 casing, 8.90', 2', 5.41' 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 = 6197'. Had an up wt of 58K and down wt of 48K. Landed with 26K on liner top and leaving 22K on hanger. 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 114 jts, 4-1/2" CSG Liner, 11.6#, N-80, LT&C. 8RD CSG set @ 10415' (TVD 5449'), LC @ 10337', RSI tools 10323', marker its @ 7237' & 8781', TOL @6198' Final Casing - Hole Size: 6-1/8" TOL @ 6198'

TD: 10425' MD TVD: 5549' PBTD: 10337' MD Land well at 5041' w/ 14.5' KB as follows 1/2 MS, 1 Jt of 2.375" J55 4.7lb 8rnd EUE tbg, 1.50" FN at 5010', 191 Jts of 2.375" J55 4.7lb 8rnd EUE tbg 192 its total

> RCVD OCT 16'14 OIL CONS. DIV. DIST. 3

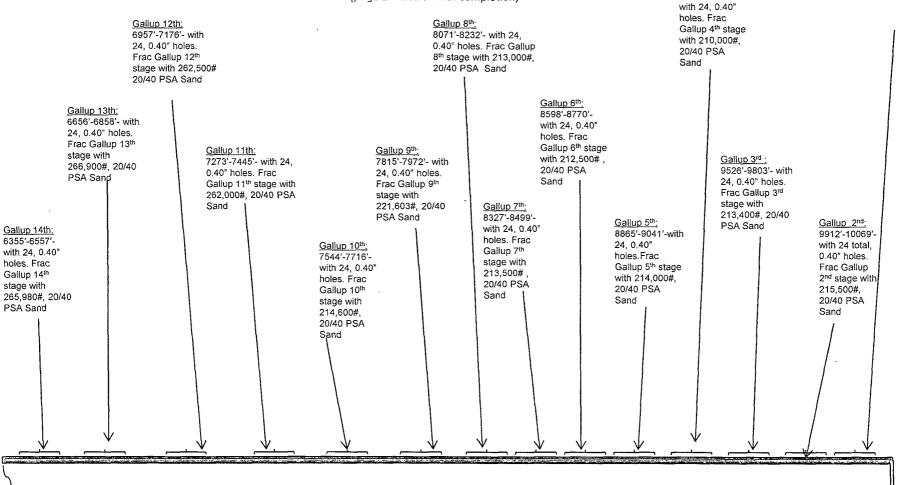
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	CASING	CEMENT	VOLUME	OMI I OI
12-1/4"	9-5/8"	245 sx	222 cu.ft.	Surface
	7"	820 s x	1461 cu. ft.	Surface
6-1/8"		360 s x		TOL 6198'
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La 10/9/14

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(page 2 – lateral with completion)



See page 1 for upper portion of hole

Gallup_1st: 10168'-10274' + RSI TOOL @ 10327' with 217,116 # 20/40 PSA Sand

Gallup 4th:

9140'-9417'-