

CHACO 2308-24H #153H

Basin Mancos (page 1)

Spud: 11/10/14

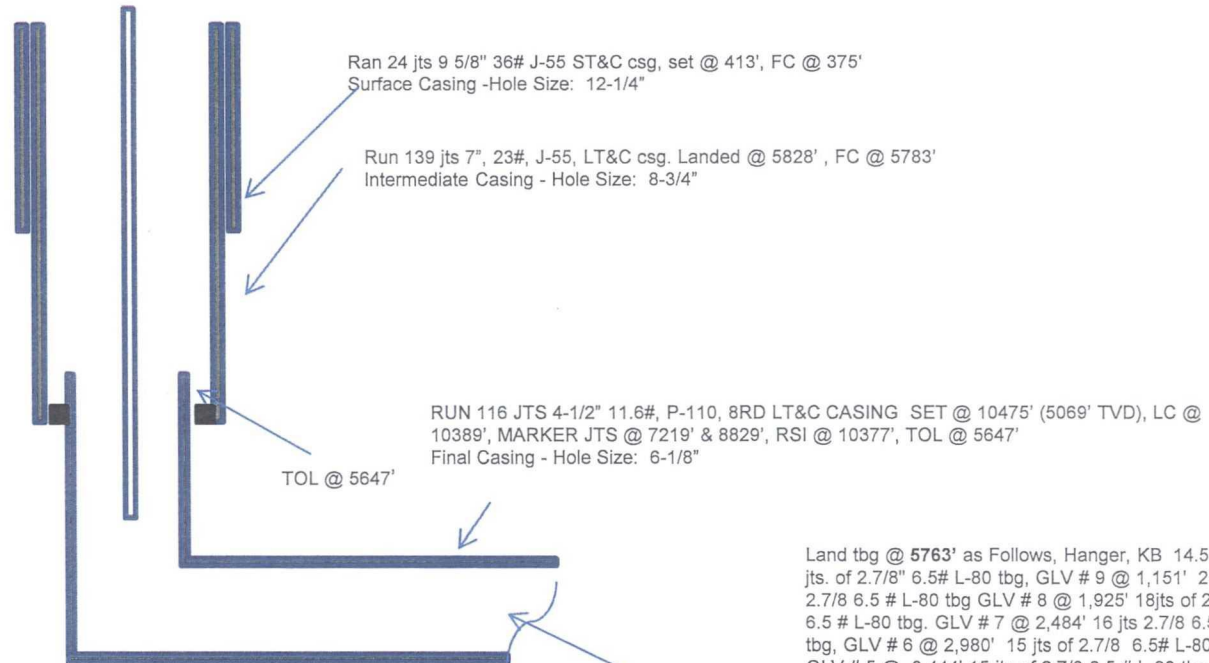
Completed: 5/30/15

SHL: 1722' FNL & 195' FEL
SE/4 NE/4 Section 24 (H), T23N, R8W

BHL: 346' FNL & 231' FWL
NW/4 NW/4 Section 24 (D), T23N, R 8W

RIO ARRIBA NM
Elevation: 6894
API: 30-045-35550

Tops	MD	TVD
Ojo Alamo:	952	951
Kirtland:	1132	1130
Picture Cliffs:	1600	1589
Lewis:	1722	1708
Chacra:	1983	1964
Cliffhouse:	3087	3049
Menefee:	3146	3107
Point Lookout:	4006	3953
Mancos:	4195	4140
Gallup:	4534	4478



TD: 10485' MD
TVD: 5069'
PBTD: 10389' MD

Land tbg @ 5763' as Follows, Hanger, KB 14.50' 37 jts. of 2.7/8" 6.5# L-80 tbg, GLV # 9 @ 1,151' 25 jts of 2.7/8 6.5 # L-80 tbg GLV # 8 @ 1,925' 18jts of 2.7/8 6.5 # L-80 tbg. GLV # 7 @ 2,484' 16 jts 2.7/8 6.5# L-80 tbg, GLV # 6 @ 2,980' 15 jts of 2.7/8 6.5# L-80 tbg, GLV # 5 @ 3,444' 15 jts of 2.7/8 6.5 # L-80 tbg. GLV # 4 @ 3,910' 14 jts of 2.7/8 6.5# L-80 GLV # 3 @ 4,343' 15 jts of 2.7/8 6.5# L-80 tbg, GLV # 2 @ 4,810' 11 jts of 2.7/8 6.5 # L-80 tbg, 5,307' X-nipple 2.31 , 13 jts of 2.7/8 6.5 # L-80 tbg, GLV # 1 @ 5,555' 1 jt of 2.7/8 6.5 # L-80 tbg. @ 5,586' 4' Pup jt, 7"X 2.7/8 T-2 ON & Off Tool,w/ 2.25 F-Nipple, @ 5,592 (,7"X 2.7/8 Arrowset 1- X 10 K packer), @ 5,599' X over 4 jts 2.375 tbg,@ 5,728' 2.375 X 1.87 " X Nipple' @ 5,729' 1jt of 2.375 4.7# J-55 tbg, @ 5,762' 2.375 1/2 Mull shoe @ 5,763' EOT , Packer was set at 12 K tension,76% Degrees, Total 180 jt 2.7/8 .6.5# J-55 8rd tbg, Total 5 jt 2.375 4.7# J-55 eue 8 rd

CONFIDENTIAL

HOLE SIZE	CASING	CEMENT	VOLUME	CMT TOP
12-1/4"	9-5/8"	245 sx	222 cu.ft.	Surface
8-3/4"	7"	997sx	1543cu. ft.	Surface
6-1/8"	4-1/2"	370sx	510cu. ft.	TOL 5647'

Lg 6/1/15

OIL CONS. DIV DIST. 3

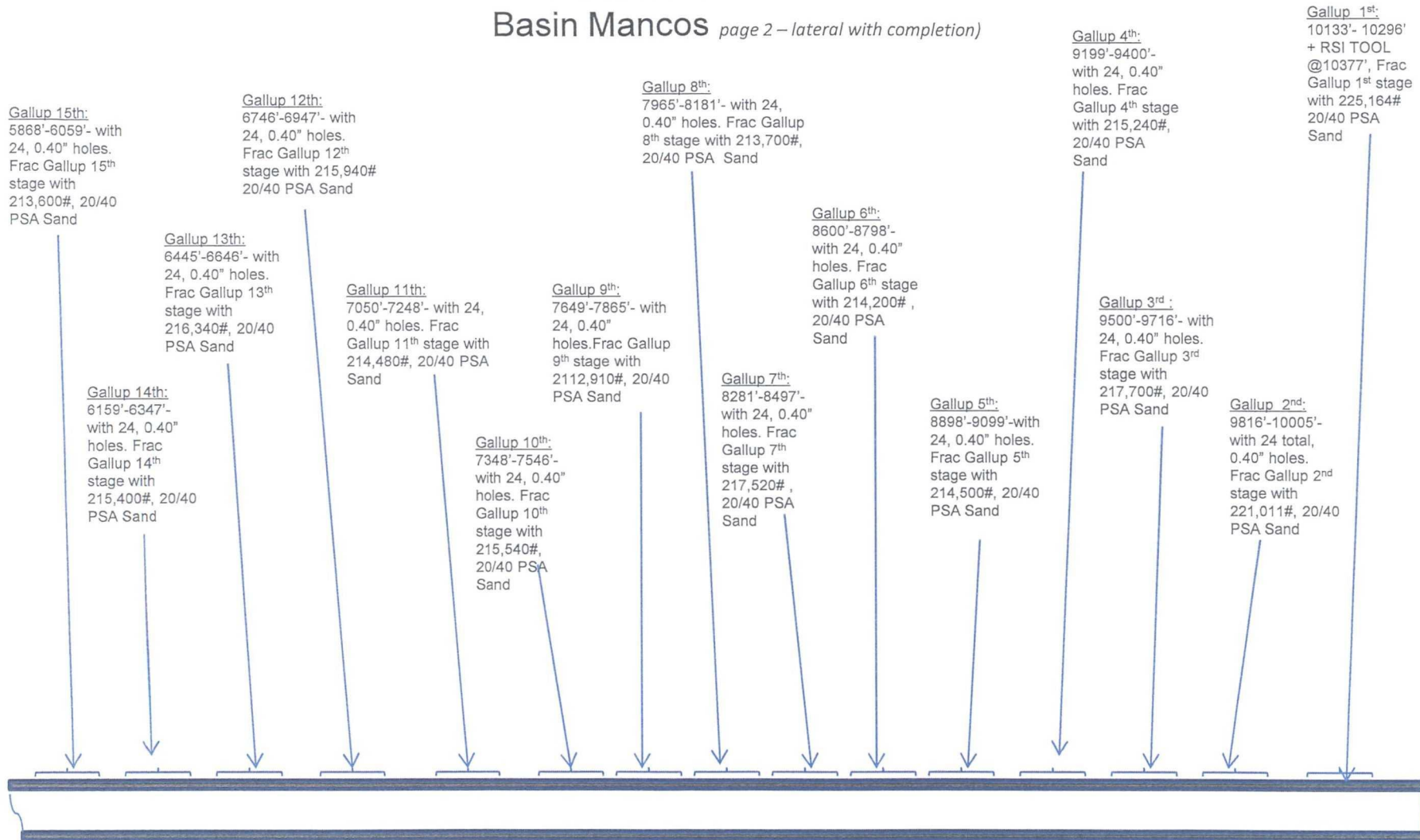
JUN 05 2015

AV

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Basin Mancos *page 2 – lateral with completion)*



See page 1 for upper portion of hole