

NW Lybrook UT # 289H Lybrook Unit NW HZ(OIL) (page 1)

CONFIDENTIAL

Spud: 4/28/14

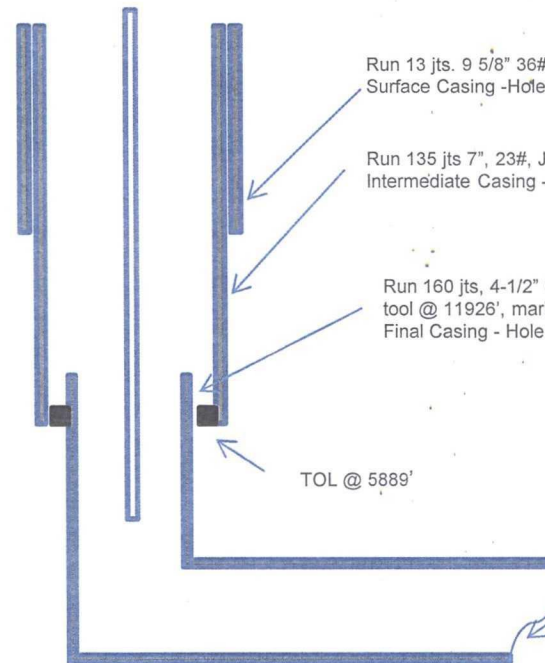
Completed: 1/26/15

SHL: 255' FSL & 374' FWL
SW/4 SW/4 Section 25(M), T24N, R8W

BHL: 1010' FSL & 1051' FWL
SW/4 SW/4 Section 30 (M), T24N, R7W

SAN JUAN NM / RIO ARRIBA NM
Elevation: 6846'
API: 30-045-35529

Tops	MD	TVD
OJO_ALAMO	1206	1199
KIRTLAND	1349	1336
PICTURE_CLIFFS	1895	1855
LEWIS	1990	1948
CHACRA	2333	2278
CLIFF_HOUSE	3452	3352
MENEFEE	3488	3387
PT_LOOKOUT	4325	4196
MANCOS	4598	4467
GALLUP	4959	4828



Run 13 jts. 9 5/8" 36# LT&C J-55 csg, set @ 423', FC @ 389'
Surface Casing - Hole Size: 12-1/4"

Run 135 jts 7", 23#, J-55, LT&C csg. Landed @ 6091', FC @ 6043'
Intermediate Casing - Hole Size: 8-3/4"

Run 160 jts, 4-1/2" CSG Liner, 11.6#, N-80, LT&C. 8RD CSG set @ 12017', LC @ 11938', RSI
tool @ 11926', marker jts @ 8034', 9981', TOL @ 5889'
Final Casing - Hole Size: 6-1/8"

TOL @ 5889'

TD: 12029' MD
TVD: 5492'
PBDT: 11938' MD

RIH w/ gas lift & tubing. Land tbg at 6,060' as Follows, Hanger, KB
14.50' 36jts., of 2 7/8" 6.5# J-55tbg, GLV #9 @ 1,183' 24jts of 2.7/8"
6.5# J-55tbg, GLV #8 @ 1,955' 19jts of 2.7/8" 6.5# J-55tbg, GLV #7 @
2,565' 17jts 2.7/8" 6.5# J-55tbg, GLV #6 @ 3,110' 16jts of 2.7/8" 6.5#
J-55tbg, GLV #5 @ 3,622' 16jts of 2.7/8" 6.5# J-55tbg, GLV #4 @
4,134' 16jts of 2.7/8" 6.5# J-55, GLV #3 @ 4,651' 15jts of 2.7/8" 6.5#
J-55tbg, GLV #2 @ 5,134' 16jts of 2.7/8" 6.5# J-55tbg, 5,651'
pro-nipple 2.31, 5jts of 2.7/8" 6.5# J-55tbg, GLV #1 @ 5,817' 1jt of
2.7/8" 6.5# J-55tbg, @ 5,849' 4' Pup jt, 7"X 2.7/8" T-2 ON & Off Tool,
w/ 2.25 F- nipple @ 5,855, 7"X 2.7/8 Arrowset 1- X 10 K packer, @
5,863' X over 5jts 2.375tbg, @ 6,025', 2.375 X 1.79 " X Nipple @
6,027', 1jt of 2.375 4.7# J-55tbg @ 6,059', 2.375 1/2 Mull shoe @
6,060' EOT, Packer was set at 10K tension, Total 175jt 2.7/8 6.5#
J-55 8rd tbg, Total 6jt 2.375 4.7# J-55 EUE 8rd, 70% Degrees.
RD rig & Equipment.

HOLE SIZE	CASING	CEMENT	VOLUME	CMT TOP
12-1/4"	9-5/8"	245 sx	222 cu.ft.	Surface
8-3/4"	7"	947 sx	1389 cu. ft.	Surface
6-1/8"	4-1/2"	470 sx	662 cu. ft.	TOL 5889'

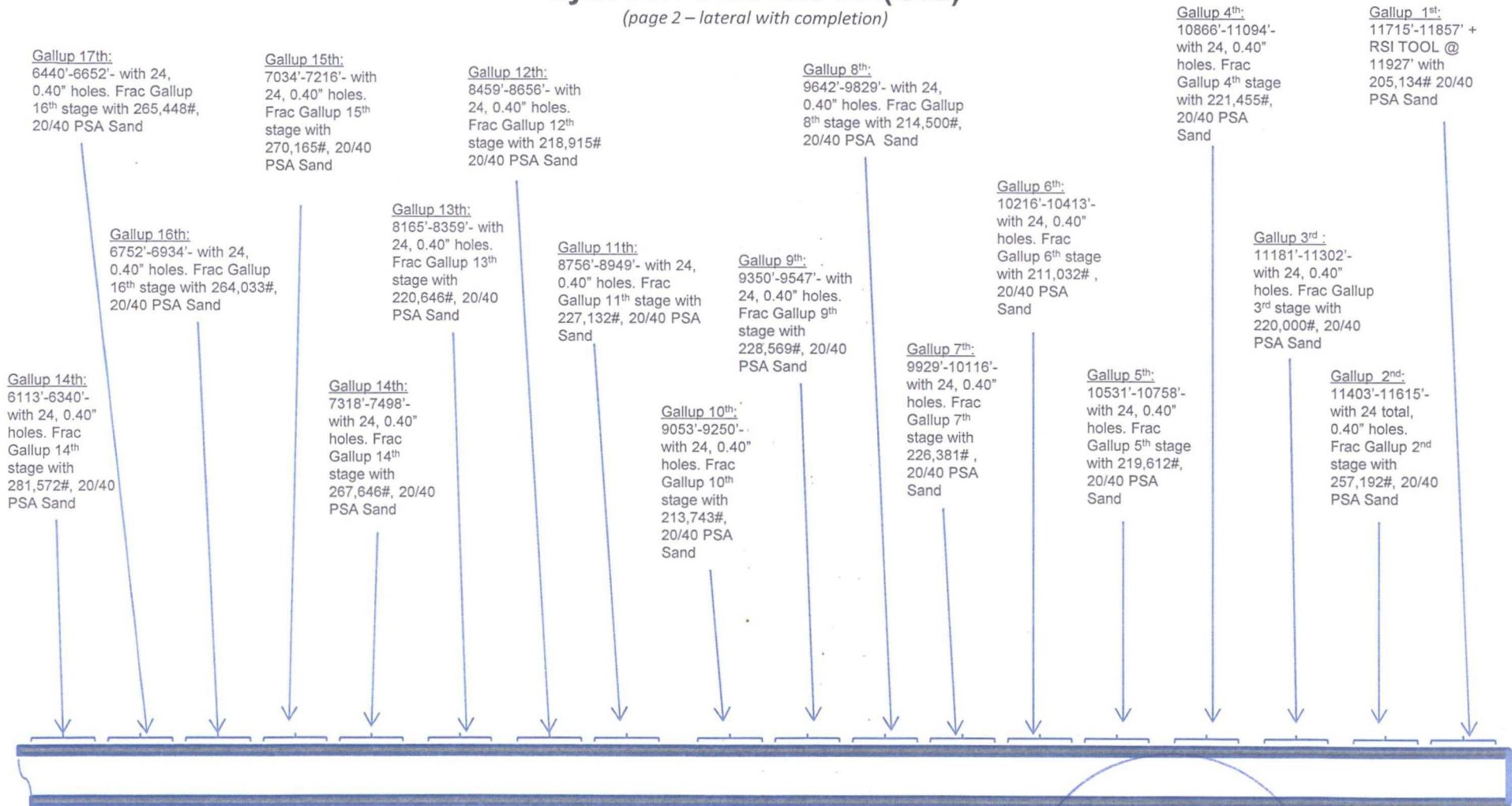
mj 1/28/15

N



NW Lybrook UT # 289H Lybrook Unit NW HZ(OIL)

(page 2 – lateral with completion)



See page 1 for upper portion of hole

