NW Lybrook Unit #133H Lybrook Unit NW HZ (oil)(page 1)

Spud: 2/25/15

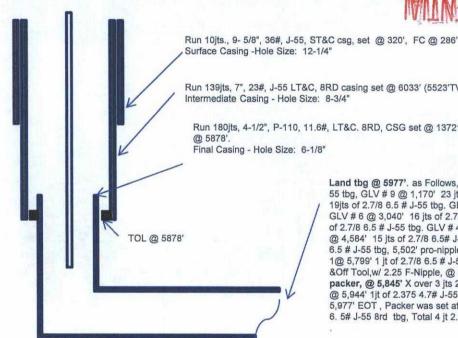
Completed: 8/13/15

SHL: 736' FSL & 2531' FEL SW/4 SE/4 Section 36(O), T24N, R8W

BHL: 1592' FSL & 219' FWL NW/4 SW/4 Section 35 (L), T24N, R8W

San Juan Elevation: 6893' API: 30-045-35623

Tops	MD	TVD		
OJO ALAMO	1303	1294		
KIRTLAND	1343	1333		
PICTURE CLIFFS	1852	1832		
LEWIS	2044	2020		
CHACRA	2316	2288		
CLIFF HOUSE	3394	3341		
MENEFEE	3443	3389		
PT LOOKOUT	4267	4190		
MANCOS	4505	4425		
GALLUP	4861	4780		



Run 139jts, 7", 23#, J-55 LT&C, 8RD casing set @ 6033' (5523'TVD) FC @ 5988' Intermediate Casing - Hole Size: 8-3/4"

Run 180jts, 4-1/2", P-110, 11.6#, LT&C. 8RD, CSG set @ 13721', LC @ 13627', RSI tools 13619', TOL

Land tbg @ 5977'. as Follows, Hanger, KB 25.00' 35 its. of 2.7/8" 6.5# J-55 tbg, GLV # 9 @ 1,170' 23 its of 2.7/8 6.5 # J-55 tbg GLV # 8 @ 1,923' 19jts of 2.7/8 6.5 # J-55 tbg. GLV # 7 @ 2,547' 15 jts 2.7/8 6.5# J-55 tbg. GLV # 6 @ 3,040' 16 jts of 2.7/8 6.5# J-55 tbg, GLV # 5 @ 3,565' 16 jts of 2.7/8 6.5 # J-55 tbg. GLV # 4 @ 4,091' 15 its of 2.7/8 6.5# J-55 GLV # 3 @ 4,584' 15 jts of 2.7/8 6.5# J-55 tbg, GLV # 2 @ 5,077' 13 jts of 2.7/8 6.5 # J-55 tbg, 5,502' pro-nipple 2.31, 9 jts of 2.7/8 6.5 # J-55 tbg, GLV # 1@ 5,799' 1 jt of 2.7/8 6.5 # J-55 tbg. @ 5,832' 4' Pup jt, 7"X 2.7/8 T-2 ON &Off Tool,w/ 2.25 F-Nipple, @ 5,838 ,7"X 2.7/8 Arrowset 1- X 10 K packer, @ 5,845' X over 3 jts 2.375 tbg,@ 5,942' 2.375 X 1.87 " X Nipple' @ 5,944' 1jt of 2.375 4.7# J-55 tbg, @ 5,976' 2.375 1/2 Mull shoe @ 5,977' EOT, Packer was set at 10 K Compression, Totol 177 its 2.7/8 6. 5# J-55 8rd tbg, Total 4 it 2.375 4.7# J-55 eue 8 rd.

TD: 13741' MD TVD: 5470' PBTD: 13627' MD

HOLE SIZE	CASING	CEMENT	VOLUME	CMT TOP
12-1/4"	9-5/8"	101sx	162 cu.ft.	Surface
8-3/4" 7"		1137 sx	1595 cu.ft	Surface
6-1/8"	4-1/2"	775 sx	1053 cu. ft.	TOL 5878'

OIL CONS. DIV DIST. 3 AUG 26 2015

Lg 8/20/15

NW Lybrook Unit #133H Lybrook Unit NW HZ (oil)(page 2 - lateral with completion)

Gallup 29th; 6510'-6691'- with 24, 0.40" holes. Frac Gallup 29th stage with 219,380#, 20/40 PSA Sand	Gallup 27th; 6990'-7171'- with 24, 0.40 holes. Frac Gallup 27 th stage with 213,440#, 20/40 PSA Sand			holes, Frac Gallup 21st stage with		91'- 9390'-98 9.40" with 24, 930'-98 90'-98	571'- 987' 0.40" with rac hole 7th Gall th stag #, 20/40 215,	0'-10051'- 24, 0.40" s. Frac up 15 th e with 300#, 0 PSA	Gallup 13th: 10350'- 10531'- with 24.0.40" holes. Frac Gallup 13th stage with 214,460#, 20/40 PSA Sand	Gallup 11th: 10832'- 11011'- with 24, 0.40" holes. Frac Gallup 11 th stage with 215,805#, 20/40 PSA Sand	with 24, 0	491'- 1 .40" w ic h stage G	tallup 7th: 1795'-11971 1th 24, 0.40" oles. Frac tallup 7th stag 1th 225,660# 0/40 PSA Sa	12270'-12451 with 24, 0.40" ge holes. Frac	24, 0.40 holes. F ge Gallup: stage w	13410 with 13551 " RSI TO rac @ 136 grd with ith 216,98 #, 20/40
Gallup 30th; 6270'-6451'- with 24, 0.40" holes. Frac Gallup 30th stage with 222,640#, 20/40 PSA Sand	24, 0.40* holes. Frac Gallup 28th stage with 217,380#,	Gallup 26h: 7230'- 7411'- with 24, 0.40" holes. Frac Gallup 26 th stage with 215,320#, 20/40 PSA Sand	Gallup 24th: 7710'-7891'- with 24, 0.40" holes. Frac Gallup 24th stage with 217,240#, 20/40 PSA Sand	Gallup 22nd: 8192'-8371'- with 24, 0.40" holes. Frac Gallup 22nd stage with 218,800#, 20/40 PSA Sand	Gallup 20th; 8670'-8851'- with 24, 0.40' holes. Frac Gallup 20th stage with 212,060#, 20/40 PSA Sand	Gallup 18th; 9150'-9331'- with 24, 0.40' holes. Frac Gallup 18th stage with 217,160#, 20/40 PSA Sand	Gallup 16th; 9630'-9806'- with 24, 0.40' holes. Frac Gallup 16th stage with 220,840#, 20/40 PSA Sand	Gallup 1 10110'- 10291'- 24, 0.40 holes. F Gallup 1 stage w 216,520 20/40 P Sand	10590 with 1077* 24, 0. rac holes. 4th Gallui ith stage	0'- 110 1'- with 112 40" 24, Frac hole p 12th Gal with stag 20# 216 PSA 20/4	lup 10th; 170'- 151'- with 0.40" 9s. Frac lup 10th 9s with 5,500#, 40 PSA	Gallup 8th: 11550'-11' with 24, 0. holes. Frac Gallup 8th: with 218,0 20/40 PSA	731'- 12: 40" 24, 5 stage Ga 40#, sta 5 Sand 21!	030'- 211'- with 12, 0.40" 124, 0.40" 125, Frac 118up 6th 126 Ga 126 ge with 127, 060#, 128 200 129 200 120 210 220 12	allup 4th; 510"- 736'- with , 0.40" les. Frac allup 4th age with 9,160#, /40 PSA	13110'- 13336'- with 24, 0.40" holes. Frac Gallup 2 nd stage with 215,120#, 20/40 PSA Sand
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