

BELCO		GEOLOGIC PROGNOSIS			DISTRIBUTION																		
Lobitos Offshore AREA		Z2A-21-568-D-L06 OFFICIAL WELL NUMBER		L06-24 BELCONo		TYPE OF WELL Development		RIG No III															
OBJECTIVE		PRIMARY: Rio Bravo				SECONDARY: -----																	
SURFACE COORDINATES						TARGET COORDINATES																	
N 1'598,632.55 9'509,027.45						m, E 124,664.66 459,313.86						N 1'598,680 9'509,095						m, E 125,190 459,825					
ELEVATIONS	K.B.		50 FT.		DIRECTION OF DEVIATED WELL		N 85 ° E		DRILLED DEPTH TO TARGET		3900 FT.												
	☒ WATER DEPTH		335 FT.		(INITIAL) CONDUCTOR ANGLE FROM VERTICAL		---		TRUE VERTICAL DEPTH TO TARGET		3220 FT.												
	☐ GROUND LEVEL				RECOMMENDED DEPTH OF K.O.P.		800 FT.		EST. DEVIATION (MAX. ANGLE)		45 °												
	ESTIMATED FINAL DRILLED DEPTH		5800 FT.		BUILD UP ANGLE AT		4 ° PER 100 FT.		HORIZONTAL DRIFT TO TARGET		1840 FT.												
EST. DRILLING TIME TO T.D.		25 DAYS						HORIZONTAL DRIFT TO TOTAL DEPTH		3060 FT.													
EXPECTED STRATIGRAPHIC SEQUENCE	FORMATION / MEMBER		DRILLED TOP		SUBSEA TOP		OBSERVATIONS / POSSIBLE PROBLEMS																
	Talara		AT Surface																				
	Chacra		2650		2250																		
	Rio Bravo Sdy.		3900		3170		Pay Zone																
	Rio Bravo Shly.		5600		4300																		
	T.D.		5800		4450																		
CONTROL	TARGET LIMITS		TOP		LEFT 200		RIGHT 200		OBSERVATIONS														
	BASE		300		300		300																
	BIT SAMPLES TO BE TAKEN:		EVERY 30		FT.FROM SURF TO		2000 AND																
		EVERY 10		FT.FROM		2000		TO TOTAL DEPTH															
RECOMMEND.FOR PALEO-PALYNOLOGY		At the request of geology supervisor.																					
LOGGING	RECOMMENDED OPEN HOLE		DLL-MSFL-GR; FDC-CNL-GR.																				
	RECOMMENDED AFTER CASING		GR-CCL																				
	NEARBY WELLS FOR CORRELATION		L06-13X, L04-7, L04-13, L04-15																				
EVALUATION	SIDEWALL CORES		Not considered																				
	CONVENTIONAL OR ◇ CCRES		None																				
	GAS LOGGER		None																				
	FORMATION TESTING		None																				
PREPARED BY: Mario Chávez Cerna		July 18th, 1984		DATE		APPROVED		LIMA PERU		July 18/84		DATE											

N 85° E

WSW

LOG

SEA LEVEL

ENE

SEA BOTTOM

TALARA GROUP

LOG-16

CHACRA

Cc.

D-8

CHACRA

RIO
BRAVO
SDY.

LOG-16

PROPOSED WELL 32A-21-568-D-LOG
(LOG-24)

RIO
BRAVO
SANDY

R.B.
SHY.

LOG-16

RIO
BRAVO
SANDY

LOG-13

PALEGREDA

RIO BRAVO SHALY

R.B.
SHY.

LOG-15
projected.

PALEGREDA

13X

BELCO PETROLEUM CORPORATION OF PERU,
LOBITOS OFFSHORE.

W-E STRUCTURAL CROSS SECTION FOR
PROPOSED WELL
32A-21-568-D-LOG (LOG-24)

SCALE 1:10,000

M. CHAVEZ CERNA

JULY 1984.

BELCO PETROLEUM CORPORATION OF PERU

MEMORANDUM

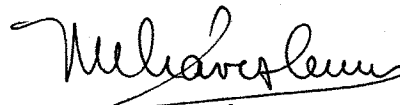
A: Geology Manager

Fecha July 18th, 1984

DE: Mario Chávez

Asunto Geological Comments for well
L06-24.-

1. Present location is recommended in an undrilled block of 240 acres, bounded by "B", "Y", L04'14 and L06-16 faults.
2. This location is a double spacing offset of well L04-13 which have a cumulative production of 436,182 BO in 762 days, actually producing at a rate of 141 BOPD on GL.


Mario Chávez

MCG/ghp.

BELCO PETROLEUM CORPORATION OF PERU

M E M O R A N D U M

A : GEOLOGY MANAGER

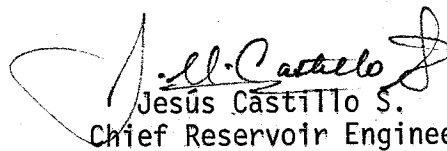
Fecha July 18th, 1984

DE : CHIEF RESERVOIR ENGINEER

Asunto WELL L06-24

Reservoir Department concurs with your prognosis for the next (3rd) well from L06. It is oriented towards known production trends and is offsetting wells L04-7, 13 and 15 at adequate spacing in an expected different block.

Logging program includes DLL-MSFL-GR and FDC-CNL-GR as per guidelines for first well in a quadrant. Target size is slightly below specified diameter due to the possibility of faults near the location.


Jesús Castillo S.
Chief Reservoir Engineer

JCS/rmr.