

DISCUSSION

Lobitos Offsh. AREA		Z2 Z2A-21-575-D-LO6 OFFICIAL WELL NUMBER		LO6-21 BELCON?		TYPE OF WELL DEVELOPMENT		DIP NO III	
OBJECTIVE		PRIMARY: Río Bravo				SECONDARY:			
SURFACE COORDINATES						TARGET COORDINATES			
N 9'509,020.94 m, E 459,308.78 m		N 9'508,750 m, E 459,390 m		1'598,626.04		1'598,340		124,760	
ELEVATIONS	K.B. 50 FT.		DIRECTION OF DEVIATED WELL S20 ° E		DRILLED DEPTH TO TARGET 3450 FT.				
	<input checked="" type="checkbox"/> WATER DEPTH 335 FT.		(INITIAL) CONDUCTOR ANGLE FROM VERTICAL		VERT. ° TRUE VERTICAL DEPTH TO TARGET 3200 FT.				
	<input type="checkbox"/> GROUND LEVEL		RECOMMENDED DEPTH OF K.O.P. 700 FT.		EST. DEVIATION (MAX. ANGLE) 25 °				
ESTIMATED FINAL DRILLED DEPTH 21 FT.			BUILD UP ANGLE AT 4 ° PER 100 FT.			HORIZONTAL DRIFT TO TARGET 1020 FT.			
EST. DRILLING TIME TO T.D. 5600 DAYS						HORIZONTAL DRIFT TO TOTAL DEPTH 1930 FT.			
EXPECTED STRATIGRAPHIC SEQUENCE	FORMATION / MEMBER		DRILLED TOP		SUBSEA TOP		OBSERVATIONS / POSSIBLE PROBLEMS		
	TALARA		At Surface						
	CHACRA		2500		2300				
	RIO BRAVO SDY		3450		3150		Pay Zone		
	RIO BRAVO SHY		5400		4930				
	TD		5600		5100				
CONTROL	TARGET LIMITS		LEFT TOP 250 BASE 350		RIGHT TOP 250 BASE 350		OBSERVATIONS		
	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		Per Geology Supervisor Request.*						
LOGGING	RECOMMENDED OPEN HOLE		DLL-MSFL-GR, FDC-CNL-GR						
	RECOMMENDED AFTER CASING		GR-CCL						
	NEARBY WELLS FOR CORRELATION		LOG-13X, LO6-16, LO6-24						
EVALUATION	SIDEWALL CORES		Not considered						
	CONVENTIONAL OR ◊ CORES		None						
	CAS LOGGER		None						
	FORMATION TESTING		None						
PREPARED BY:		Mario Chávez		August 10th, 84		DATE		APPROVED	
								Aug 11/84	

NW

SEA LEVEL

LOG

SE

SEA BOTTOM.

BELCO PETROLEUM CORP. OF PERU

LOBITOS OFFSHORE

NW-SE STRUCTURAL CROSS SECTION

FOR PROPOSED WELL

Z2A-21-575-D-LOG (LOG-21)

SCALE 1:10,000

M. CHAVEZ-CERNA

AUG. 84

TALARA

TALARA

CHACRA

CHACRA

CHACRA

Rio
BRAVO
SANDY

Rio
BRAVO
SANDY.

Rio BRAVO SHALY

R.B. SHALY

R.
B.
SDY.

Rio
BRAVO
SDY.

R.B. SHY.

16

13x

PROPOSED WELL
Z2A-21-575-D-LOG (LOG-21)

BELCO PETROLEUM CORPORATION OF PERU

MEMORANDUM

A: Geology Manager

Fecha August 10th, 1984

DE: Mario Chávez

Asunto Geological Comments
for well L06-21

- Present location will be located in the southern quadrant of Platform L06, and in a large undrilled reservoir block according to present interpretation.
- This well should penetrate the entire section of Río Bravo which was partially faulted in the vertical well L06-13X
- Purpose of this well is to confirm the extension towards south of the good Río Bravo sands encountered in well L06-24.

Mario Chávez
Area Geologist.

BELCO PETROLEUM CORPORATION OF PERU

M E M O R A N D U M

A: GEOLOGY MANAGER

Fecha August 10th, 1984


DE: CHIEF RESERVOIR ENGINEER

Asunto WELL L06-21

This is the fourth well proposed to be drilled from L06. It has as objective to prove up an undrilled quadrant. Rio Bravo at shallow depth is expected and as such, and particularly after preliminary data from L06-24, with good chances of discovering high productivity reservoirs.

Logging program (DLL-MSFL-GR and FDC-CNL-GR) as well as target size are in accordance with the guidelines.

Reservoir concurs with the location as proposed.


Jesús Castillo S.
Chief Reservoir Engineer

JCS/rmr.