

PETRO-TECH



PERUANA S.A.

EPPM-018-94

TO: Eng. Carlos Valdizán
Operations Manager

FROM: Exploration-Production Planning Manager

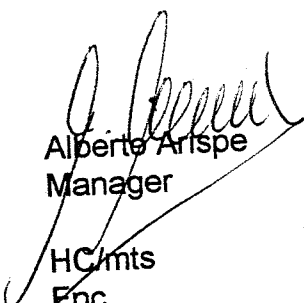
SUBJECT: GEOLOGIC PROGNOSIS - LO16 PLATFORM

DATE: January 31, 1995

(LO16-14)

Enclosed please find the formal Geologic Prognosis of next Well to be drilled from LO16 Platform, Lobitos Area.

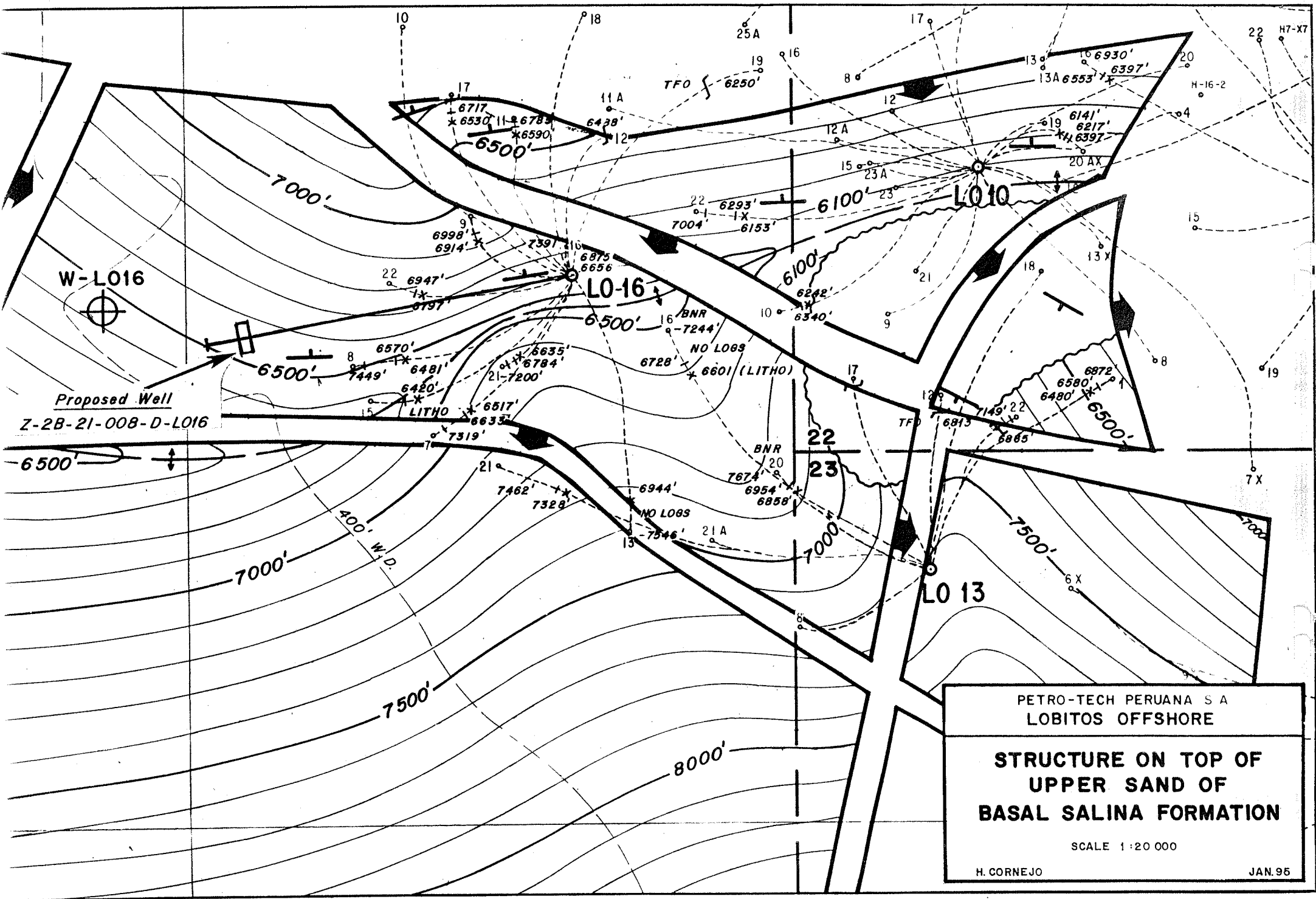
Should you have any question, do not hesitate to contact us.


Alberto Arispe
Manager

HCmts
Enc.

cc: R. Samaniego
R. Francia
J. Mego
Well File
200.2.2

PETRO-TECH PERUANA S.A.				GEOLOGIC PROGNOSIS		
AREA LOBITOS OFFSHORE		OFFICIAL WELL NUMBER Z-2B-21-008-D-LO16		PETRO-TECH N° LO16 - 14		
				TYPE OF WEL DEVELOPMENT		
OBJECTIVE		PRIMARY: BASAL SALINA		SECONDARY: -----		
SURFACE COORDINATES (UTM) 9°506,368.69mN; 459,710.25mE				TARGET COORDINATES (UTM) 9°506,130.00mN; 458,300.00mE		
E L E V A T I O N	KB:	DIRECTION OF DEVIATED WELL S 79° W		T A R G E T	DRILLED DEPTH: 8,150 FT.	
	WATER DEPTH	(INITIAL) CONDUCTOR ANGLE FROM VERTICAL VERTICAL			ESTIMATED FINAL DRILLED DEPTH: 9,300 FT.	
	309 FT.	RECOMMENDED DEPTH OF K.O.P. 600 FT.			VERTICAL DEPTH: 6,580 FT.	
	GROUND LEVEL				HORIZONTAL DRIFT TO TOTAL DEPTH: 5,300 FT.	
					HORIZONTAL DRIFT: 4,600 FT.	
ESTIMATED DRILLING TIME TO T. D.		BUILD UP ANGLE AT 3 DEGREES/ 100 FT.		TARGET LIMITS (DIAMETER): TOP: 400 FT. BASE: 400 FT.		
S T R A T I G R A P H I C S E Q U E N C E C O N T R O L L O G G I N G E V A L U A T I O N	FM/MEMBER		DRILLED TOP	SUBSEA TOP	OBSERVATIONS	
	TALARA		FROM SEA	BOTTOM		
	CHACRA		2,900	2,550		
	PARIÑAS		4,050	3,500		
	PALEGREDA		4,250	3,650		
	MOGOLLON		6,450	5,300		
	SAN CRISTOBAL		7,150	5,800		
	BASAL SALINA		8,150	6,530		OBJECTIVE
	BALCONES		9,150	7,350		
	TD		9,300	7,450		
BIT SAMPLES TO BE TAKEN		EVERY 30 FT. FROM SURF. TO 3000' AND EVERY 10 FT. FROM 3000' TO TOTAL DEPTH			REMARKS	
RECOMMENDED FOR PALEO-PALYNOLOGY		THROUGHOUT THE WELL				
RECOMMENDED OPEN HOLE		DLL-MSFL-GR, LDT-CNT-GR				
RECOMMENDED AFTER CASING		GR-CCL				
NEARBY WELLS FOR CORRELATION		LO16-8, LO16-16, LO16-7, LO16-22				
SIDEWALL CORES		SWC HRCT NOT CONSIDERED				
CONVENTIONAL CORES		NOT CONSIDERED				
GAS LOGGER		NOT CONSIDERED				
FORMATION TESTING		NOT CONSIDERED				
RECOMMENDED BY:		DATE		APPROVED BY:		
HUGO CORNEJO		JANUARY 31, 1995		ALBERTO ARISPE		
HECTOR CHANG		JANUARY 31, 1995		JANUARY 31, 1995		



PETRO-TECH PERUANA S A
LOBITOS OFFSHORE

**STRUCTURE ON TOP OF
UPPER SAND OF
BASAL SALINA FORMATION**

SCALE 1:20 000

H. CORNEJO JAN.95

SW

NE

Sea level
Sea bottom

L016

L010

T A L A R A

C H A C R A

PARIÑAS

P A L E G R E D A

23

MOGOLLON

MOGOLLON

SAN CRISTOBAL

SAN CRISTOBAL

BASAL SALINA

BASAL SALINA

22

8

Projected

Proposed Well

Z-2B-21-008-D-L016

PETRO-TECH PERUANA S.A.
LOBITOS OFFSHORE

NE-SW STRUCTURAL SECTION
FOR PROPOSED WELL
Z-2B-21-008-D-L016 (L016 -)

SCALE $\frac{V}{H}$: 1/20 000

H. CORNEJO

JAN-95