

CR 1.03

March 21, 1958

File: CR-30

Subject: WELL DATA FROM THREE TESTS
DRILLED BY UNION OIL OF CAL.
IN COSTA RICA

AM-62

Mr. H. A. Wright
Producing Coordination
30 Rockefeller Plaza
New York 20, N.Y.

Dear Sir:

Under separate cover we are sending you well data as listed in an attachment to this letter from the following tests drilled by Union Oil of California in Costa Rica:

<u>Well</u>	<u>T. D.</u>
Fatino No. 2	10,128'
Cocoas No. 2	7,407'
Bris No. 1	7,969'

A general summary is attached for each well.

The material on these Union Oil of California wells in Central America was the result of an agreement signed on January 16, 1958 between Esso Standard Oil, S.A. and Union Oil of California. Union agreed to furnish Esso with information on the wells listed above and Esso agreed to furnish Union with information from its Bafios No. 1 drilled in Cuba and such other wells Esso drills in the Caribbean area, that in their opinion the release of information is not detrimental to them. The exchange includes samples and general well information such as logs, DSTs, etc. and is on a foot for foot basis.

We have the same set we are sending you in our Havana office. The purpose of sending you a set is for security and your use.

Very truly yours,

ESSO STANDARD OIL, S.A.

ORIGINAL
SIGNED J. H. SAWYER

J. H. Sawyer

AS:er

Atts.

CR. 1.03

Union Oil Company of CaliforniaPat 180 No. 2

Location: 5 Kms. southwest of Puerto Viejo in SE Limon Province
(Caribbean side), Costa Rica.

Coordinates: Lat. 9° 39' 14" - Long. 82° 48' 10"

Dates: Commenced: 2/21/55
Completed: 4/19/55

Status: D & A

Total Depth: 10,128' formation unknown as yet. Probably Eocene.

Shows: No oil or gas shows.

DST's: None.

Location based on: Surface: Puerto Viejo Anticline.

General Dip - SW 55°.

Electric Log: Shale line thruout.

3,500 - Fresh water.

3,880 - 3,920 - Fresh water.

4,270 - 4,310)

4,380) Probably salt water.

6,640 - 6,660)

6,750 - 6,860)

Log indicates poor prospects for oil production
because of shaly nature.

Note: Attempted to run E log to TD of 10,128' but cable would not go
below 8,050'.

List of material received to date:Electric logs

Run 1 0 - 1,130'

Run 3 2,100' - 3,051'

Run 4 2,950' - 4,368'

Composite Log Runs 1 thru 8 0 - 9,124'

Extra Curves

ES-3 2,090' - 3,050'

ES-3 50 ohms 2,100' - 3,060'

ES-7 6,210' - 7,500'

ES-5 4,100' - 5,290'

Overlaps

ES-7 20 ohms 490' - 7,500'

Diameter

Runs 1 & 2

Lithologic Log

Scale 1:600 surface to 10,128' T.D. includes location plat.

Drilling Report from Feb. 21, 1955 (spud date) to April 19,
1955 (when D & A).

ORIGINAL
SIGNED. [illegible]

AS:cr
3/21/58.

CIA. PETROLERA DE COSTA RICA, LTDA.
WEEKLY CHRONOLOGICAL WELL REPORT

District Puerto Viejo

Week Ending 0800 February 28, 1955

Well No Patino #2

Date	Total Depth	Progress	Days in Drilling	Observations
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Feb 22	400'	400'	1	Spudded at 11:00 AM Monday 21 Feb. 1955. Drilled 7 hrs to 180'. Ran Totco at 180'- $\frac{1}{4}$ ". Drilled at 3-5000# 12 $\frac{1}{2}$ " hole for 12 $\frac{1}{2}$ hrs to 400'. Ran Totco at 338'- $\frac{1}{4}$ ". Repair pump $\frac{1}{2}$ hr. Now drilling. <u>Geology</u> : Apparently spudded in "B" series Gatum & now drilling in "C" series Gatum. Patino #2 spudded approximately 1300' higher in the section than Patino #1.
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Feb 23	987'	587'	2	Drilled 3 hrs to 500'. Ran Totco at 500'- $\frac{1}{4}$ ". Circ $\frac{1}{2}$ hr to clean hole for core. 1 hr pulled out and went back in with Reed 8 $\frac{3}{4}$ " core head on conv. barrel. Cored 1 hr 500-515'. Pulled out & rec'd
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Core #1 500'-515' Rec'd 13'6"
13'6" Siltst sandy argill gen mass Dip 17°
dk gry carb occ shell
frags fairly hard non
calc.

Went back in hole drilled 8 $\frac{1}{2}$ hrs to 828'. Ran Totco at 600'- $\frac{1}{4}$ " & at 725'- $\frac{1}{4}$ ". Drilled 5 $\frac{1}{2}$ hrs with 5-10000 #s to 987'. Ran Totco at 886'- $\frac{1}{4}$ " & at 980'- $\frac{1}{4}$ ". Pulled out of hole 1 $\frac{1}{2}$ hrs picked up core barrel and back in with same. Now circ to clean hole and barrel. Using a natural clay mud mixed with water & gel.

Feb 24	1138'	151'	3	Circ $\frac{1}{2}$ hr to clean core barrel. Cored 1 $\frac{1}{2}$ hrs interval 987'-997'. 1 $\frac{1}{2}$ hrs pulled out recovered core & went back in hole with 12 $\frac{1}{2}$ " bit.
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Core #2 987'-997' Rec'd 6'6"
6'6" Shale silty-sandy mass dk Dip 19°
gry occ fossils v carb

Drilled 5 $\frac{1}{2}$ hrs to 1138'. Circ $\frac{1}{2}$ hr. 1 $\frac{1}{2}$ hrs pulled out of hole and back to bottom. Circ $\frac{1}{2}$ hrs to clean hole for logging. Ran Totco at 1135'- $\frac{1}{4}$ ". Pulled out of hole (1 $\frac{1}{2}$ hrs) to the sandberger 3 $\frac{1}{2}$ hrs

CIA. PETROLERA DE COSTA RICA, LTDA.

WEEKLY CHRONOLOGICAL WELL REPORT

District Patino #2 Puerto ViejoWeek Ending 0600 Monda y 28 February 1955Well No Patino #2

Date	Total Depth	Progress	Days in Drilling	Observations
Feb 24 (cont)				running Schlumberger "E" log, 20 & 50 ohm resist. 100 millivolt SP. from 1131' to surface. Went in hole with 12 $\frac{1}{2}$ " x 17 $\frac{1}{2}$ " pilot bit to ream 12 $\frac{1}{2}$ " hole to 17 $\frac{1}{2}$ ". Reamed 8 hrs to 202'. Now reaming
Feb 25	1138'	—	4	Reamed 4 hrs to 475'. Circ 1 hr to clean hole 1 $\frac{1}{2}$ hr ran 16 jts 13 3/8" 48# casing to 470' cemented with 375 sax Dyerhof constr. cement. Bumped plug at 7:10 PM Feb 24. Stood cemented 8 hrs. Rigged down casing tools. Spotted B.B.P controls clean cellar & misc const.
Feb 26	1138'	—	5	16 hrs WOC. Welded on Braden head & nipped up BOP and hydril. Building sheds. Rigged up & drilled mouse hole. 1 hr ran in hole with 12 $\frac{1}{2}$ " bit to 468'. Closed hydril & tested "CP at 1500# for 30 minutes. 1 hr displaced mud in hole with water. Now circ and mixing mud.
Feb 27	1138'	—	6	Circ & cond mud 10 hrs. Drilled plug & shoe at 470'. Tried to go to bottom with 12 $\frac{1}{2}$ " bit, would not go. Pulled out & picked up 8 $\frac{1}{2}$ " bit and went to bottom. Displaced old mud in hole with new. Pulled out to build up volume. Reamed 2 hrs to 768', hole caving badly. Circ to condition mud 4 hrs at 768'.
Feb 28	1138' 1217'	— 79'	7	Circ & cond mud 16 hrs. Using Lime-Oil Emulsion mud. Reamed 962'-1138'. Drilled 5 $\frac{1}{2}$ hrs with 4000# to 1217'. Now drilling.