FORM 66 2-66 PRINTED IN U.S.A.

PAN AMERICAN PETROLEUM CORPORATION RESEARCH CENTER WATER ANALYSIS

LOCATION SAMPLED: Division Fort	t Worth District _	Lubb	ock	Area _	<u> </u>		
Operator (Plant) Fan Ameri can	Well No		Lagra	So. Matt:	ix Unit Tre	ater	
State (Province) New Mexico	County (Parish	n)	Lea				
Twp. Rng. Sec.	Quarter (Lsd.)		Other	(Meridian)			
Field name Fowler Lower Paddock (C	Od 3 Dissa		· · · · · · · · · · · · · · · · · · ·	Wildca	t() Fiel	ld Well (
Field name Fowler Doner Fauctor	JLL RIM)	San	nple used for	detailed an	alyses		
bample concetted from	Sample collected	bv	T • W • W I	TEON .	Date		
interval sampledtoto	Interval name						
Recovery							
Recovery	<u>/</u> Da	te transm	itted <u>8-3</u>	-67, File	: VES-318	- 538	
Technical Service request authorized by			Off	ice			
		Tec	hnical Service	e Number:_	3094		
ORGANIC CONSTITUENTS in mg/1							
BOTTOM MIDDLE TOP MUD		CON	ENTIONAL MAJOR ION ANALYSIS				
Benzene							
Toluene			Major	% of Total	Reaction	% of Total	
Phenols			lons	Major	Value	Reaction	
HC Gases	- Sodium	Na+	$\frac{mg/1!}{61,443}$	lons	meq/12	Value	
		Ca++				41.85	
	Magnesium		<u>6,800</u>		<u> 339.32</u>	<u> 5.31</u>	
	Potassium		2,210	<u>1.20</u>	<u> 181.66</u>	2.84	
DESCRIPTION OF CAMPUS			770 000	60.00	2.750.10		
DESCRIPTION OF SAMPLE	Bicarbonate	HCO -			3,158.40	49.45	
Condition as received		SO ₁	0	0	0	0	
Color	Carbonate		1,700		<u>35.36</u>	55	
Odor	TOTAL	<u>CO3</u>	0 184,153	O	0		
Suspended solids	TOTAL		104,173				
Bottom sediment					700 760		
Oil content	NoCl resistivi	Total solids by evaporation 189,160 mg NaCl resistivity equivalent (Dunlap) 185,173 mg					
		ity equival	ient (Duniap)	<u> 100 july 1</u>	mg/	
QUALITY OF SAMPLE	Kesistivity		Ohi	m-meters at	77	<u> </u>	
Chloride BOTTOM MIDDLE	TOP Ryznar stabili	Spec	ific gravity	1:120 at		°	
on mg/1:	Kyznai stabili	ity maex	(2pHs-pH)	at.		· · · · · · · · · · · · · · · · · · ·	
Comments on quality		OTHE	R IONS AND	DISSOLVE	פתווחפ ת		
	CATIONS		ANIONS			mg/1	
	Lithium Li+		Bromide Br		Iron Fe	1118/	
			Iodide I-		Boron B		
					Silica SiO ₂		
					<u> </u>		
Data previously reported on Form 66 7.62	d I I' pp.						
Data previously reported on Form 66 7-62 under meq/1 means milligram equivalents per liter.	the heading P.P.M. was actua	lly in milli	grams per liter	. By definitio	n, ppm = mg/1	/sp. gr.	
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REMARKS AND CONCLUSIONS:	· · · · · · · · · · · · · · · · · · ·						
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					-		
cc: D	Date received 8-22-67	7 - 12	101-1				
	TECTIVEU		ield sample ab. p6		T-18718		
A	nalyst Din	المركب	ab. 110			6:7	
**	- FLAN	- yee		D	ate9 <u>-6</u>		