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

CIL MERICAN PETROLEUM CORPORTION RESEARCH CENTER WATER ANALYSIS

Toluene Ions Major Walue Major Wal	LOCATION SAMPLED: Division Fort Worth	L District	Lubbock	Area	Hobbs		
Sance (Province) New Mexico County (Parish) Jess Twp. Rog. Sec. Quarter (lad.) Other (Meridian) Waldcart () Field Well (X.) Sample collected from Sample collected by T. W. Wilson Date directed sampled to Interval name secondary Transmitted by V. E. Stazley Date transmitted \$3-3-67, File: VES-315-538 Technical Service Number: 305% ORGANIC CONSTITUENTS in mg/1 Settlement MidDle Top MuD ORGANIC CONSTITUENTS in mg/1 Settlement MidDle Top MuD ORGANIC CONSTITUENTS in mg/1 Settlement Top MuD ORGANIC CONSTITUENTS in mg/1 ORGANIC CONSTITUENTS in mg/1 ORGANIC CONSTITUENTS in mg/1 Settlement Top MuD ORGANIC CONSTITUENTS in mg/1 ORGANIC CONSTITUENTS ORGANIC CONSTITU	Operator (Plant) Pan American	Well No	3 Lease	State "D	l†		
Sample collected from Sample collected by Sample used for detailed analyse collected from Sample collected by T. W. Wilson Date	State (Province) New Mexico	County (Parish) Lea					
Sample collected from Sample collected by Sample used for detailed analyse collected from Sample collected by T. W. Wilson Date	Twp Rng Sec	Quarter (Lsd.)	Other	(Meridian)			
Sample collected from				Wildcat	() Field	Well (X)	
Interval name Interval nam	Field name Fowler Devonian		Sample used for	detailed an	alyses		
Date transmitted by V. E. Staley Date transmitted 8-3-67, File; VES-315-536							
Technical Service Number: 3094							
Technical Service Number: 3094	Recovery V F Stalon		8 2 6	7 77 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	TDG 215 520		
Technical Service Number: 3094	Form 9/ transmitted by V. E. Bulley	Date trans	mitted 0-3-0	File:	<u> лтр-3т)-530</u>	· · · · · · · · · · · · · · · · · · ·	
ORGANIC CONSTITUENTS in mg/1 SOTTOM MIDDLE TOP MUD Major Nactions Nactions Major Nactions Nations Nactions	Technical Service request authorized by	ተ	Ott	ice	2001:		
SOTTOM MIDDLE TOP MUD CONVENTIONAL MADR ION ANALYSIS	•	• 1	echnical Service	Number:	3094		
SOTTOM MIDDLE TOP MUD CONVENTIONAL MADR ION ANALYSIS	ORGANIC CONSTITUENTS in mg/1						
Description of Sample		CC	CONVENTIONAL MAJOR ION ANALYSIS				
Column C	Benzene		•				
Phenois	Toluene		•				
Contact Cont	Phenois			•			
DESCRIPTION OF SAMPLE Description Descriptio	HC Gases	Sodium Na+	51,C79	31.26	2,221.92		
DESCRIPTION OF SAMPLE Chloride C1 100,000 61,20 2,820,00 49,51		Calcium Ca++	8,800		439.12	7.71	
DESCRIPTION OF SAMPLE Elicarbonate HCO,			2,250	1.38	184.95	3,25	
Example 1							
Sulfate SO, - 1,200 .73 .24.96 .44 Color	DESCRIPTION OF SAMPLE	<i>v</i> s ————————					
Color Ddor TOTAL 163,392 Suspended solids Suspended Suspende		<u></u>					
Dotrom sediment Doll content Doll content QUALITY OF SAMPLE Chloride BOTTOM MIDDLE COMMENTS on IT SAMINE COMMENTS on MIDDLE COMMENTS on QUALITY DOTHER IONS AND DISSOLVED SOLIDS CATIONS MIDDLE CATIONS MIDDLE Data previously reported on Form 66 7-62 under the heading P.P.M. was actually in milligrams per liter. By definition, ppm = mg/1 /sp. gr. COMMENTS AND CONCLUSIONS: Date received EXAMPLE Total solids by evaporation 170,320 mg/1 Molnlap 164,556 mg/1 PH 6.0 Specific gravity 1.115 at ope of ph 6.0 Specific gravity 1.115 at op ph 6.0 Specific gravi							
Suspended solids Bottom sediment			***			0	
Total solids by evaporation 170,320 mg/l	Odor		103,392				
Oil content QUALITY OF SAMPLE QUALITY OF SAMPLE QUALITY OF SAMPLE Resistivity OD4 ohm-meters at 77 oppH 6.0 Specific gravity 1.115 at oppH 6.0 Specific	Bottom sediment	Total colide by asset			170 220		
QUALITY OF SAMPLE Resistivity PH 6.0 Specific gravity 1.115 at	Oil content	NaCl resistivity equ	ivalent (Dunlar	- \	164.556	_	
pH 6.0 Specific gravity 1.115 at open mode of the specific gravity open mode of the specific gravity 1.115 at o		Resistivity • 0	154 oh	m-meters at	77	mg/i	
Chloride BOTTOM MIDLE TOP Ryznar stability index (2pHs-pH) at oF on mg/1: Comments on quality OTHER IONS AND DISSOLVED SOLIDS CATIONS mg/1 ANIONS mg/1 OTHERS mg/1 Lithium Li+ Bromide Br Iron Fe lodide I- Boron B Silica SiO ₂ Data previously reported on Form 66 7-62 under the heading P.P.M. was actually in milligrams per liter. By definition, ppm = mg/1 /sp. gr. REMARKS AND CONCLUSIONS: Date received 8-22-67 Field sample no. Lab. no. T-18715	QUALITY OF SAMPLE	pH 6.0 s	pecific gravity	1.115 at	· · · · · · · · · · · · · · · · · · ·	r	
OTHER IONS AND DISSOLVED SOLIDS CATIONS mg/1 ANIONS mg/1 OTHERS mg/1 Lithium Li+ Bromide Br Iron Fe Iodide I- Boron B Silica SiO. Data previously reported on Form 66 7-62 under the heading P.P.M. was actually in milligrams per liter. By definition, ppm = mg/1 /sp. gr. REMARKS AND CONCLUSIONS: Date received 8-22-67 Field sample no. Lab. no. T-18715	Chloride BOTTOM MIDDLE TOP					°F	
Comments on quality OTHER IONS AND DISSOLVED SOLIDS CATIONS mg/1 ANIONS mg/1 OTHERS mg/1	ion mg/1:						
CATIONS mg/1 ANIONS mg/1 OTHERS mg/1 Lithium Li+ Bromide Br Iron Fe Iodide IT Boron B Silica SiO ₂ Data previously reported on Form 66 7-62 under the heading P.P.M. was actually in milligrams per liter. By definition, ppm = mg/1 /sp. gr. req/1 means milligram equivalents per liter. Date received 6-22-67 Field sample no. Lab. no. T-18715			HER IONS AN	D DISSOLVE	D SOLIDS		
Iodide IT Boron B Silica SiO ₂		CATIONS mg/1	ANIONS	mg/1	OTHERS	mg/1	
Data previously reported on Form 66 7-62 under the heading P.P.M. was actually in milligrams per liter. By definition, ppm = mg/1 /sp. gr. meq/1 means milligram equivalents per liter. REMARKS AND CONCLUSIONS: Date received 8-22-67 Field sample no. Lab. no. T-18715		Lithium Li+			Iron Fe		
Data previously reported on Form 66 7-62 under the heading P.P.M. was actually in milligrams per liter. By definition, ppm = mg/1 /sp. gr. req/l means milligram equivalents per liter. REMARKS AND CONCLUSIONS: Date received 8-22-67 Field sample no. Lab. no. T-18715			Iodide I	•		·	
REMARKS AND CONCLUSIONS: CC: Date received 8-22-67 Field sample no. Lab. no. T-18715					Silica SiO ₂		
REMARKS AND CONCLUSIONS: CC: Date received 8-22-67 Field sample no. Lab. no. T-18715		· · · · · · · · · · · · · · · · · · ·	-				
REMARKS AND CONCLUSIONS: CC: Date received 8-22-67 Field sample no. Lab. no. T-18715		·	_	-			
REMARKS AND CONCLUSIONS: CC: Date received 8-22-67 Field sample no							
REMARKS AND CONCLUSIONS: CC: Date received 8-22-67 Field sample no	1 Data previously reported on Form 66 7-62 under the hea	ding P.P.M. was actually in r	nilligrams per lite	er. Bv definitio	on. ppm = mg/1	/sp. gr.	
cc: Date received <u>8-22-67</u> Field sample no	² meq/I means milligram equivalents per liter.			•	, , ,	7-1- 8	
cc: Date received 8-22-67 Field sample no			ŕ				
cc: Date received 8-22-67 Field sample no	REMARKS AND CONCLUSIONS:						
	NEMANING AND CONCESSIONS.						
							
	cc: Date re	eceived 8-22-67	_Field sample	no			
Analyst Date		0 0	Lab. no	<u> </u>			
	Analyse	- Devred	<u></u>	I	Date <u> </u>	67	