



CORE SERVICE, INC.

"Core Analysis"

CORPUS CHRISTI, HEBBRONVILLE,  
VICTORIA, CARRIZO SPRINGS,  
COTULLA, SAN ANTONIO

## PRELIMINARY

COMPANY U.S. GOVERNMENT DATE ON 10/26/83 JOB NO. \_\_\_\_\_  
 WELL LACKLAND A.F.B. NO. 1 DATE OFF \_\_\_\_\_ ANALYST RTE-CLZ  
 FIELD WILDCAT DRILLING FLUID \_\_\_\_\_ WATER BASE MUD \_\_\_\_\_  
 COUNTY BEXAR STATE TEXAS TYPE CORES \_\_\_\_\_ PERCUSSION \_\_\_\_\_

These opinions and interpretations represent the best judgment of Core Service, Inc. The analyses are based on material supplied by the client for whose confidential and exclusive use this report is made. Core Service, Inc., its officers and employees assume no responsibility or make no warranty as to the proper operation, productivity, or profitability of any hydrocarbon or mineral lease or well in connection with which this report is used or relied upon.

## Sidewall Core Analysis Report

DEPTH FEET	PERM. MD.	POROSITY PERCENT	RESIDUAL SATURATION				PROBABLE PRODUCTION	° API	GAS UNITS	RECOVERY INCHES	LITHOLOGICAL DESCRIPTION
			% BY VOLUME		% PORE SPACE						
			OIL	GAS	OIL	TOTAL WATER					
438	1.5	20.5	7.4	5.1	36.1	39.0	OIL	28	86	½	Frm v shy ls, Strks yell flu
442			No Analysis						0	½	Frm v lmy shale
444	3.7	23.8	6.6	7.4	27.7	41.2	OIL	26	6	½	Frm v shy ls, Strk yell flu
774	15	21.4	2.5	5.9	11.7	60.8	OIL	31	0	1	Vfg shy v lmy sd, Ev gold flu
779	10	21.0	2.8	4.5	13.3	65.2	OIL		0	1	Same as above
782	22	21.3	3.2	5.6	15.0	58.7	OIL	32	0	1½	Same as above
796	18	21.5	4.5	5.7	20.9	52.6	OIL		0	1½	Vfg shy lmy sd, Fly ev yell flu
797	27	22.3	4.1	5.1	18.4	58.7	OIL	27	0	1½	Same as above
798			Broken & Insufficient						0	½	Vfg v shy v lmy sd, Dull yell flu
994			Broken & Insufficient						0	½	Soft glauc ls, Min flu
995			Broken & Insufficient						0	½	Same as above
996			Broken & Insufficient						0	½	Same as above
997			Broken & Insufficient						0	½	Same as above, Sh strk, Strk yell flu
1864			Broken & Insufficient						0	½	Soft granular ls, Min flu
1866									0		No Recovery
1918			Broken & Insufficient						0	½	Soft granular ls, Ft flu
1919									0		No Recovery
1964			Broken & Insufficient						0	½	Soft gran ls, No flu
1966	< 0.1	11.2	0.0	1.8	0.0	83.9	(*)		0	½	Same as above

(\*) - Very Low Permeability Limestone.





# CORE SERVICE PRELIMINARY INC.

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*"Core Analysis"*

CORPUS CHRISTI, HERBRONVILLE,  
VICTORIA, CARRIZO SPRINGS,  
COTULLA, SAN ANTONIO

COMPANY U.S. GOVERNMENT DATE ON 10/26/83 JOB NO. \_\_\_\_\_  
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 COUNTY BEXAR STATE TEXAS TYPE CORES \_\_\_\_\_ PERCUSSION

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## Sidewall Core Analysis Report

DEPTH FEET	PERM. MD.	POROSITY PERCENT	RESIDUAL SATURATION				PROBABLE PRODUCTION	° API	GAS UNITS	RECOVERY INCHES	LITHOLOGICAL DESCRIPTION
			% BY VOLUME		% PORE SPACE						
			OIL	GAS	OIL	TOTAL WATER					
438	1.5	20.5	7.4	5.1	36.1	39.0	OIL	28	86	1/2	Frm v shy ls, Strks yell flu
442			No Analysis						0	1/2	Frm v lmy shale
444	3.7	23.8	6.6	7.4	27.7	41.2	OIL	26	6	1/2	Frm v shy ls, Strk yell flu
774	15	21.4	2.5	5.9	11.7	60.8	OIL	31	0	1	Vfg shy v lmy sd, Ev gold flu
779	10	21.0	2.8	4.5	13.3	65.2	OIL		0	1	Same as above
782	22	21.3	3.2	5.6	15.0	58.7	OIL	32	0	1 1/2	Same as above
796	18	21.5	4.5	5.7	20.9	52.6	OIL		0	1 1/2	Vfg shy lmy sd, Fly ev yell flu
797	27	22.3	4.1	5.1	18.4	58.7	OIL	27	0	1 1/2	Same as above
798			Broken & Insufficient						0	1/2	Vfg v shy v lmy sd, Dull yell flu
994			Broken & Insufficient						0	1/2	Soft glauc ls, Min flu
995			Broken & Insufficient						0	1/2	Same as above
996			Broken & Insufficient						0	1/2	Same as above
997			Broken & Insufficient						0	1/2	Same as above, Sh strk, Strk yell flu
1864			Broken & Insufficient						0	1/2	Soft granular ls, Min flu
1866			Broken & Insufficient						0		No Recovery
1918			Broken & Insufficient						0	1/2	Soft granular ls, Ft flu
1919			Broken & Insufficient						0		No Recovery
1964			Broken & Insufficient						0	1/2	Soft gran ls, No flu
1966	< 0.1	11.2	0.0	1.8	0.0	83.9	(*)		0	1/2	Same as above

(\*) - Very Low Permeability Limestone.



# PRELIMINARY REPORT

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COMPANY U. S. GOVERNMENT DATE 10-26-83  
 WELL LACKLAND AFB No. 1 FIELD WCT COUNTY BEAR  
 CORES PERCUSSION DRILLING FLUID WBM STATE TX PAGE 1 OF 1

DEPTH FEET	PERMEABILITY MILLIDARCY	POROSITY PERCENT	RESIDUAL SATURATION				PROBABLE PRODUCTION	° API	GAS UNITS	REMARKS
			% BY VOLUME		% PORE SPACE					
			OIL	GAS	OIL	TOTAL WATER				
438	1.5	20.5	7.4	5.1	36.1	39.0	OIL	28	84	
44	3.7	23.8	6.4	7.4	27.7	41.2	OIL	26	6	
774	15	21.4	2.5	5.9	11.7	60.8	OIL	31	0	
79	10	21.0	2.8	4.5	13.3	65.2	OIL		0	
82	22	21.3	3.2	5.6	15.0	58.7	OIL	32	0	
796	18	21.5	4.5	5.7	20.9	52.6	OIL		0	
97	27	22.3	4.1	5.1	18.4	58.7	OIL	27	0	
1964	<0.1	11.2	0.0	1.8	0.0	83.9	*		0	
*	VERY LOW PERMEABILITY LIMESTONE									