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CORE LABORATORIES. INC. Petroleum Reservoir Engineering DALLAS. TEXAS PRELIMINARY PRINT

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CORE ANALYSIS RESULTS

-	-	ETROLEUM COMPAN	ا	Formation	GRAYE		File Dat	e Report_9-15-	-69
Well_	LEAMEX NO.	. 15				ND 4 3/8"		alysts <u>BOON</u>	
Field_	MALJAMAR]	Drilling, Flu	id <u>WATER</u>	R BASE MID		, <u> </u>	
County	LEA	State_NEW_MEX_	_Elev	l	Location_1	980' FNL, 7	OUPEL_SE		
			Lith	ological A	bbrevia			FRACTURED - FRAC	BLIGHTLY-S
SAND-SO Shale-B		ANHYDRITE - ANHY CONGLOMERATE - CONG	SANDY - S Shaly - S	SHY MEDIUM-MED		CRYSTALLINE-XLN Grain-Grn Granular-Grnl	BROWN - BRN GRAY - GY VUGGY - YGY	LAMINATION - LAM	VERY . V/ WITH . W/
LIME - LM GYPSUM - GYP		POSSILIPEROUS-FOSS	LINY-LM	RESIDUAL SATURATION PER CENT PORE			SAMPLE	SAMPLE DESCRIPTION	
INMPLE	DEPTH PEET	PERMEABILITY Millidarcys	POROSITY PER CENT	DIL	TOTAL WATER	-		REMARKS	<u> </u>
	CONVEN	TIONAL ANALYSIS							
	CORE NO. 1-						•		
	4290.0-22.0					Dolomit	e		
1	4322.0-23.0	<0.1	3.8	0.0	79-0	Sand, g	r y, fn gr n		
2	-23.0-24.0	\0.1	4-8	0-0			ry, fn grn		
		<u><0.1</u>	5.8	0	76.0-	Sand 8	ry, fn-gra	<u></u>	
3	4325.0-40.0		210	•••		Dolomit	:e		
	4323.0-40.0 CORE NO. 2-	4340 0 <u>-</u> 90 0							
	4340.0-55.0			•		Dolomit	e, anhy		
1.	4355.0-56.0	<0.1	5_3		79.2	Sand	ry, fn gri	}	
4 -	56.0-57.0	0.8	7.0	7.2	65.7	• •	gry, fn grr	•	
5	57.0-58.0	13.	18.0	-	42.3		gry, fn gri		
6	58.0-59.0	11	18.3		37.7	Sand, g	gry, fn gri	ı	
7	59.0-60.0	7.5	15.4	•	40.9	Sand, s	gry, fn gru	ı	
8	60.0-61.0	5.1	15.5		38.1		gry, fn gru		
9	4361.0-62.0	4.8	16.7		46.1		gry, fn gri		
10	4362.0-71.0	4.0	2007				te, anhy		
	4371.0-72.0	1.6	6.5	13.8	50.8		gry, fn gri	n	
11	4372.0-73.0	1.0	10.0		44.0	•	gry, fn gri		
12	4373.0-90.0						te, anhy		
		4390.0-40.0							
	4390.0-91.0	4370.0 40.0				Dolomi	te, shy		
	4391.0-01.0					Dolomi	te, anhy		
	4401.0-04.0	•	•			Dolomi	te, shy		
	4404.0-09.5					Dolomi	te, anhy		
12	4409.5-10.0	7.4	18.0	15.0	47.2	Sand,	gry, fn gr	n	
13 14	10.0-11.0		15.0		38.0) Sand,	gry, fn gr	n	
	11.0-12.0		10.0		48.2		gry, fn gr	n	
15 16	12.0-13.0	•	12.9		45.0		gry, fn gr	'n	
	4413.0-13.5		12.		53.5		gry, fn gr		
17	4413.0-13.5					Sand			
	14.0-33.0						te, anhy		
							te, shy		
	33.0-34.0						te, anhy		
	4434.0-40.0						· ·		

These analyses, opinons or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitableness of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

CORE LABORATORIES. INC. Petroleum Reservoir Engineering DALLAS. TEXAS

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Well LEAMEX NO. 15

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY Millidarcys	POROSITY	RESIDUAL BATURATION		SAMPLE DESCRIPTION	
			PER CENT			AND REMARKS	
*	CORE NO. 4-	4440.0-90.0					
	444 0.0- 46.0					Dolomite	
	46.0-48.0					Dolomite, sdy	
	4448.0-49.5					Sand .	
18	4449.5-50.0	0.4	7.7	18.2	46.8	Sand, gry, fn grn	
19	50.0-51.0	0.6	11.2	24.1	42.8	Sand, gry, fn grn	
20	4451.0-52.0	0.1	7.5	9.4	52.7	Sand, gry, fn grn	
	4452.0-53.0					Sand	
	4453.0-58.0					Dolomite	
	4458.0-67.0		•			Dolomite, shy	
	4467.0-71.0		· .			Sand, shy	
	4471.0-75.0					Dolomite, shy	
	4475.0-78.0					Sand, shy	
	4478.0-81.0					Dolomite	
	4481.0-84.0			•		Sand, shy	
	4484.0-86.0					Dolomite, shy	
	4486.0-87.0		•			Sand, shy	
	4487.0-90.0					Dolomite	

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