

Darrell W. Smith Co.

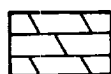
PHONE MU 2-4336—MIDLAND, TEXAS

CORE ANALYSIS REPORT

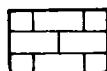
Operator Tom Brown, Jr. & Walter Krug Date _____ Lab No. 1290
 Well No. 1 Ben-Federal Location 2004 FSL 666 FEL Sec 15 265 32E
 Field Wildcat County Lea State New Mexico
 Formation Delaware Depths 4544

SAMPLE NO.	DEPTH, FEET	EFFECTIVE POROSITY PER CENT	PERMEABILITY MILLIDARCS	SATURATION % PORE SPACE		DESCRIPTION
				RESIDUAL OIL	WATER	
		Core No. 1 4544-4597 (53 Ft.) Recovered 4544-4597 (53 Ft.)				
	4544-97	-	-	-	-	NSL
		Core No. 2 4597-4649 (52 Ft.) Recovered 4597-4649 (52 Ft.)				
	4597-4620	-	-	-	-	
1	4620-21	16.7	2.7	0	62.3	SS vf-fg lmy sl shy NA
2	4621-22	16.6	1.8	Trace	56.9	SS vf-fg lmy sl shy
3	4622-23	19.5	6.4	8.7	52.3	SS vf-fg lmy sl shy
4	4623-24	20.1	8.0	8.0	50.7	SS fg lmy
5	4624-25	20.8	5.9	6.7	52.4	SS fg sl lmy
6	4625-26	20.8	4.1	0	44.7	SS fg lmy
7	4626-27	20.5	5.9	3.6	56.6	SS fg lmy
8	4627-28	17.4	10	6.9	62.6	SS fg lmy
9	4628-29	18.6	3.1	2.7	39.8	SS fg lmy
10	4629-30	18.5	5.9	2.2	58.9	SS fg lmy
11	4630-31	20.1	2.8	4.0	28.4	SS fg lmy
12	4631-32	19.5	5.9	3.6	30.3	SS fg lmy
13	4632-33	20.8	11	5.8	22.6	SS fg lmy
14	4633-34	18.8	9.8	9.0	38.8	SS fg lmy
15	4634-35	19.8	9.1	9.6	39.9	SS fg lmy
16	4635-36	18.9	7.0	5.8	25.4	SS fg lmy
17	4636-37	19.5	7.0	5.6	49.7	SS fg lmy
18	4637-38	17.9	5.9	7.3	51.4	SS fg lmy
19	4638-39	19.8	5.2	2.1	66.2	SS fg lmy
20	4639-40	20.5	7.6	1.0	60.5	SS fg lmy
21	4640-41	19.8	4.7	Trace	70.7	SS fg lmy
22	4641-42	19.2	5.9	Trace	65.6	SS fg lmy
23	4642-43	17.9	3.7	0	68.2	SS fg lmy
24	4643-44	18.3	4.8	1.0	62.3	SS fg lmy
25	4644-45	17.0	1.6	1.2	70.0	SS fg lmy Sh Lam
26	4645-46	19.1	4.3	5.2	45.5	SS fg lmy
27	4646-47	18.0	10	14.4	46.7	SS fg lmy
28	4647-48	14.5	5.0	9.0	53.1	SS fg lmy
29	4648-49	17.9	9.6	7.3	49.2	SS fg lmy

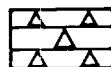
LITHOLOGY



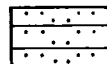
ANHYDRITE



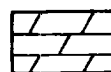
LIMESTONE



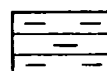
CHERT



SANDSTONE



DOLOMITE



SHALE

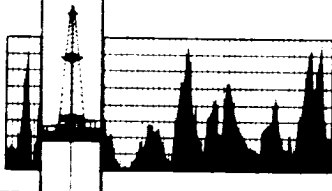
DESCRIPTION OF CORE

Ahy	Anhydrite	Gran	Granular
ahyd	Anhydritic	Gyp	Gypsum
Bn	Barren	Lam	Laminations
Ca	Calcite	lmy	Limy
Carb	Carbonaceous Material	Ls	Limestone
Cg	Coarse Grain	NA	Not Analyzed per
Ch	Chert		Operators Instructions
D	Dense	NR	Not Recovered
Dol	Dolomite	NS	No Stain
dolo	Dolomitic	NSL	Not Sent to Lab
F	Fracture	oo	Oolitic
	C Cemented	ptg	Parting
	H Horizontal	PPP	Pin Point Porosity
	I Inclined	S	Stain
	M Multiple	Sc	Scattered
	R Random	SS	Sandstone
	V Vertical	sdv	Sandy
FQG	Frosted Quartz Grains	shy	Shaly
Fg	Fine Grain	sl	Slightly
Fl	Fluorescence	Sol Cav	Solution Cavity
Fs	Fossiliferous	Sol Chan	Solution Channels
Gil	Gilsonite	Sty	Stylolite
*	Plug-	stgr	Stringer
	Sample Not Suitable	SV	Small Vugs
	For Full Diameter	Tr	Trace
	Analysis	V	Vuggy
		X	Crystalline

TEXTURE

FLUORESCENCE

Cg	Coarse Grain	D	Dense	G	Good	Tr	Trace
Fg	Fine Grain	Fx	Fine Cryst.	F	Fair	Sc	Scattered
Silty		Mx	Medium Cryst.	Dl	Dull		
		Cx	Coarse Cryst.				
		Gran	Granular				



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OPERATOR TOM BROWN, JR. & WALTER KRUG WELL NO 1 BEN-FEDERAL

FIELD WILDCAT COUNTY LEA STATE NEW MEXICO

