

Arco Oil & Gas
Langley-Meyers #1 Well
Lea County, New Mexico

Field: Deep Langley

Laboratory: Midland, Texas
File No: 10150341
Date: 9-5-85
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FULL DIAMETER CORE ANALYSIS

SMP. NO.	DEPTH FEET	PERMEABILITY TO AIR MAX.	TO AIR 90°	POROSITY PERCENT	SATURATION WTR OIL	GRAIN DENSITY	LITHOLOGY	FLUORESCENCE
CORE NO. 1 Cut 11' & Rec'd 9'								
1	9209.0-10.0	.24	.10	1.8	34.0	51.3	2.71	LS, LTGY, VFXLN, STY
2	9210.0-11.0	.35	.10	1.4	38.5	51.4	2.71	LS, LTGY, VFXLN, STY
3	9211.0-12.0	.33	.17	1.3	36.0	36.0	2.71	LS, LTGY, VFXLN, STY
4	9212.0-13.0	.21	.20	0.8	19.7	0.0	2.71	LS, LTGY, VFXLN, STY
5	9213.0-14.0	.36	.26	0.7	24.4	24.4	2.71	LS, LTGY, VFXLN, STY
6	9214.0-15.0	.32	.31	0.6	53.0	0.0	2.71	LS, LTGY, VFXLN, STY
7	9215.0-16.0	.28	.07	0.8	26.1	34.9	2.67	LS, LTGY, VFXLN, STY, CHTY
8	9216.0-17.0	.58	.55	1.2	65.7	24.3	2.68	LS, LTGY, VFXLN, STY, CHTY
9	9217.0-18.0	.86	.48	0.7	43.9	32.5	2.67	LS, LTGY, VFXLN, STY
	9218.0-20.0							LOST CORE
CORE NO. 2 Cut 7' & Rec'd 6'								
10	9220.0-21.0	.59	.59	0.9	89.0	0.0	2.71	LS, LTGY, VFXLN, CHERT
11	9221.0-22.0	.47	.33	1.0	70.2	0.0	2.70	LS, LTGY, VFXLN, CHERT
12	9222.0-23.0	.13	.07	0.5	79.0	0.0	2.72	LS, LTGY, VFXLN, CHERT
13	9223.0-24.0	.93	.93	0.6	50.4	TR	2.71	LS, LTGY, VFXLN, CHERT
14	9224.0-25.0	.67	.67	0.6	88.4	0.0	2.70	LS, LTGY, VFXLN, CHERT
15	9225.0-26.0	.99	.65	0.6	89.0	0.0	2.60	LS, LTGY, VFXLN, CHERT
	9226.0-27.0							LOST CORE
	9227.0-9374.0							DRILLED
CORE NO. 3 Cut 52' & Rec'd 52'								
16	9374.0-75.0	.53	.52	1.7	41.9	0.0	2.80*	LS, LTGY, BREC, VTRFAC, PYR
								STY
17	9375.0-76.0	.20	.11	1.5	43.3	0.0	2.73	LS, LTGY, BREC, VTRFAC, SPYR, STY
								TR YL
18	9376.0-77.0	.36	.02	1.0	45.4	0.0	2.72	LS, LTGY, BREC, VTRFAC, SPYR, STY
								TR YL
19	9377.0-78.0	.10	.03	0.6	51.5	0.0	2.72	LS, LTGY, BREC, VTRFAC, SPYR, STY
								TR YL
20	9378.0-79.0	7.4	5.9	0.7	36.8	0.0	2.98*	LS, LTGY, BREC, VTRFAC, PYR
								NOD, STY
21	9379.0-80.0	.17	.14	0.3	83.0	0.0	2.84	LS, LTGY, BREC, VTRFAC, PYR, STY
								MINERAL
22	9380.0-81.0	.17	.14	0.6	29.7	0.0	2.80	LS, LTGY, VFXLN, PYR, STY
								MINERAL
23	9381.0-82.0	.16	.12	0.9	36.0	0.0	2.74	LS, LTGY, VFXLN, STY
								MINERAL
24	9382.0-83.0	.87	.36	1.0	22.5	0.0	2.70	LS, LTGY, VFXLN, STY, CHTY
								MINERAL
25	9383.0-84.0	.16	.05	0.6	13.5	0.0	2.72	LS, LTGY, VFXLN, STY, CHTY
								MINERAL
26	9384.0-85.0	.23	.09	0.7	54.8	0.0	2.71	LS, LTGY, VFXLN, VTRFAC, STY
								MINERAL
27	9385.0-86.0	.81	.45	0.5	35.8	0.0	2.71	LS, LTGY, VFXLN, VTRFAC, STY
								MINERAL

* Values checked twice for accuracy.

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