

CORE LABORATORIES

PIONEER NATURAL RESOURCES
LUSK DEEP UNIT "A" NO. 22
1600'FNL&1800'FWL, SEC 20, UNIT 20, UNIT F, T19S, R32E
LEA COUNTY, NEW MEXICO

Field : WEST LUSK FIELD
Formation : DELAWARE
Coring Fluid : FRESH MUD
Elevation : 3594' KB

File No.: 57181-17747
Date : 9-30-97
API No. : 30-025-34032
Analysts: FULLINWIDER

SIDEWALL CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH ft	Sample Rec. in.	PERMEABILITY (HORIZONTAL) Kair md	POROSITY (HELIUM) %	SATURATION		SATURATION		GRAIN DENSITY gm/cc	GAS DETECTOR UNITS	DESCRIPTION
					(PORE VOLUME) OIL %	(PORE VOLUME) WATER %	(BULK VOLUME) OIL %	(BULK VOLUME) GAS %			

DRILLED SIDEWALL ANALYSIS

1	4705.0	2.0	0.04	9.0	17.4	62.4	1.6	1.8	2.71	52.	Sd gry, vf gr, sl dolo, 25% yel flu
2	4708.0	1.9	0.30	11.5	15.9	49.8	1.8	3.9	2.72	52.	Sd gry, vf gr, sl dolo, 65% yel flu
3	4719.0	1.9	0.25	11.2	17.2	48.5	1.9	3.8	2.72	82.	Sd gry, vf gr, sl dolo, 85% yel flu
4	4742.0	2.0	0.14	9.8	16.0	51.0	1.6	3.2	2.70	71.	Sd gry, vf gr, sl dolo, 60% yel flu
5	4753.0	1.8	0.17	10.4	17.4	51.9	1.8	3.2	2.71	45.	Sd gry, vf gr, sl dolo, 75% yel flu
6	4809.0	1.9	1.69	13.1	15.3	66.5	2.0	2.4	2.71	38.	Sd gry, vf gr, sl dolo, 80% yel flu
7	4830.0	1.9	0.39	11.9	13.4	56.2	1.6	3.6	2.71	46.	Sd gry, vf gr, sl dolo, 60% yel flu
8	4864.0	2.0	0.07	10.4	15.4	66.4	1.6	1.9	2.69	47.	Sd gry, vf gr, sl dolo, 45% yel flu
9	4870.0	1.7	0.51	14.4	18.5	55.2	2.7	3.8	2.69	59.	Sd gry, vf gr, sl dolo, 75% yel flu
10	4878.0	1.8	2.41	17.1	15.8	69.3	2.7	2.5	2.68	43.	Sd gry, vf gr, sl dolo, 80% yel flu
11	4919.0	2.0	1.24	16.1	15.7	58.0	2.5	4.2	2.68	65.	Sd gry, vf gr, sl dolo, 70% dull yel flu
12	4929.0	1.7	7.23	19.9	14.3	68.8	2.8	3.4	2.68	68.	Sd gry, vf gr, sl dolo, 90% dull yel flu
13	5134.0	1.7	8.09	18.0	12.5	55.9	2.3	5.7	2.69	63.	Sd gry, vf gr, sl dolo, 70% v dull yel-brn flu
14	5140.0	1.7	1.65	18.4	7.7	79.1	1.4	2.4	2.68	9.	Sd gry, vf gr, sl dolo, 5% v dull yel-brn flu
15	6927.0	2.0	0.21	13.2	9.5	55.7	1.3	4.6	2.69	82.	Sd gry, vf gr, sl dolo, lam, 45% yel flu
16	7042.0	1.7	0.18	12.8	5.8	67.3	0.7	3.4	2.69	4.	Sd gry, vf gr, lam, sl dolo, 10% v dull yel flu
17	7101.0	1.6	0.05	11.3	17.6	57.2	2.0	2.8	2.70	39.	Sd gry, vf gr, lam, sl dolo, 65% yel flu

