

CORE LABORATORIES

RONADERO COMPANY, INC.
HOSS STATE NO. 1
1980' FSL & 660' FEL, SEC. 2, T-25-S, R-28-E
EDDY COUNTY, NEW MEXICO

Field : SAN LORENZO FIELD
Formation : DELAWARE/BONE SPRING
Coring Fluid : CUT BRINE W/ STARCH, KCL
Elevation : 2946' GL

File No.: 57181-17160
Date : 12-12-94
API No. : 30-015-28002
Analysts: FULLINWIDER

S I D E W A L L C O R E A N A L Y S I S R E S U L T S

SAMPLE NUMBER	DEPTH ft	SAMPLE REC. in.	PERMEABILITY (HORIZONTAL) K _{air} 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

DELAWARE FORMATION

1	4622.0	1.5	4.74	15.4	0.0	78.3	0.0	3.3	2.65	0.	Sd gry, vf gr, sl calc, tr pyr, 0% flu no cut
2	4629.0	1.6	6.03	17.3	12.5	63.0	2.2	4.2	2.67	65.	Sd gry, vf gr, sl calc, tr pyr, 85% dull yel flu
3	4726.0	1.5	0.86	13.6	17.0	52.7	2.3	4.1	2.65	120.	Sd tn-gry, vf gr, sl calc, 95% dull yel flu
4	4743.0	1.5	0.08	12.3	0.0	85.4	0.0	1.8	2.66	9.	Sd gry, vf gr, sl calc, tr pyr, 0% flu sl tr cut
5	4856.0	1.5	0.30	11.5	0.0	85.2	0.0	1.7	2.65	2.	Sd gry, vf gr, sl calc, 0% flu no cut
6	4867.0	1.7	0.02	10.0	0.0	90.9	0.0	0.9	2.66	6.	Sd gry, vf gr, sl calc, tr pyr, lam, 0% flu no cut
7	4900.5	1.6	3.16	14.3	15.3	56.3	2.2	4.1	2.65	95.	Sd gry, vf gr, sl calc, 90% yel flu
8	4904.0	1.5	25.7	18.6	16.9	62.3	3.1	3.9	2.65	160.	Sd gry, vf gr, sl calc, 95% yel flu
9	4909.0	1.7	0.47	11.2	0.0	87.8	0.0	1.4	2.65	1.	Sd gry, vf gr, sl calc, 0% flu no cut
10	5233.5	1.5	6.68	10.4	0.0	78.7	0.0	2.2	2.64	3.	Sd gry, vf gr, f, sl calc, 0% flu no cut
11	5260.5	1.6	0.25	5.4	4.6	77.0	0.2	1.0	2.69	40.	Sd gry-dk gry, slt-vf gr, pyr, lam, 2% lt yel flu
12	5267.0	1.6	0.05	8.3	3.6	74.5	0.3	1.8	2.66	18.	Sd gry-dk gry, slt-vf gr, pyr, lam, 5% lt yel flu
13	5352.0	1.6	5.31	15.3	6.3	69.3	1.0	3.7	2.64	20.	Sd gry, slt-vf gr, lam, 25% lt yel flu
14	5357.0	1.6	0.02	4.2	7.7	79.8	0.3	0.5	2.69	70.	Sd gry-blk, slt-vf gr, pyr, lam, 15% lt yel flu
15	5370.0	1.7	0.08	3.8	9.0	80.9	0.3	0.4	2.69	45.	Sd gry-blk, slt-vf gr, pyr, lam, 10% pale yel flu
16	5393.5	1.6	0.50	11.4	0.0	81.7	0.0	2.1	2.65	1.	Sd gry, vf gr, sl calc, 0% flu no cut
17	5396.0	1.7	0.54	9.5	7.4	73.0	0.7	1.9	2.67	11.	Sd gry-blk, slt-vf gr, sl pyr, lam, 10% lt yel flu
18	5403.0	1.7	0.17	10.2	0.0	93.3	0.0	0.7	2.65	1.	Sd gry, vf gr, sl calc, lam, 0% flu no cut
19	5449.0	1.7	4.35	12.9	4.7	68.3	0.6	3.5	2.66	30.	Sd gry-dk gry, slt-vf gr, sl calc, lam, 20% lt yel flu
20	5457.0	1.6	0.01	2.7	3.5	85.5	0.1	0.3	2.63	18.	Slstn, dk gry, shly, 0% flu tr cut
21	5470.5	1.2	11.0	13.4	15.0	53.8	2.0	4.2	2.65	150.	Sd gry, vf gr, sl calc, 80% yel flu
22	5499.0	1.5	0.30	13.9	0.0	89.8	0.0	1.4	2.65	3.	Sd gry, vf gr, sl calc, 0% flu no cut