
* CORIBAND *

* SCHLUMBERGER *

COMPANY PHILLIPS PETROLEUM COMPANY

WELL LAMBIRTH # A-3

FIELD SOUTH PETERSON

COUNTY ROOSEVELT

STATE NEW MEXICO

DATE 06-JUN-79

COMPUTED AT:- PERMIAN BASIN COMPUTING CENTER

THIS JOB IS LISTED FROM TOP TO BOTTOM

THIS IS A 01 FOOT LISTING

LISTING IS DISCRIMINATED FOR VSH>50%

LISTING IS DISCRIMINATED FOR PHI<1.9%

PERMEABILITY = (62500(PHI**6))/(SW**2) [10%<SW<50%]

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT
7160.0	0.05	76	7.7 0.0	2.81	8	13.67 5.98
7161.0	0.12	52	8.8 0.0	2.78	1	13.59 5.95
7162.0	0.02	42	6.4 0.0	2.77	0	13.50 5.91
7220.0	0.00	100	3.5 0.0	2.62	42	13.37 5.89
7221.0	0.00	100	3.3 0.0	2.61	44	13.34 5.89
7222.0	0.00	100	3.7 0.0	2.61	40	13.30 5.89
7223.0	0.00	100	4.4 0.0	2.76	34	13.27 5.89
7224.0	0.16	45	9.0 0.0	2.80	0	13.22 5.89
7247.0	0.00	96	3.9 0.0	2.64	18	13.12 5.84
7253.0	0.00	100	4.7 0.0	2.76	31	13.07 5.84
7254.0	0.00	100	5.1 0.0	2.66	28	13.01 5.84
7255.0	0.00	100	3.4 0.0	2.61	43	12.96 5.84
7258.0	0.00	100	3.6 0.0	2.89	41	12.92 5.84
7259.0	0.01	64	5.7 0.0	2.87	23	12.88 5.84
7294.0	0.04	64	7.3 0.0	2.74	11	12.79 5.82
7295.0	0.14	48	9.0 0.0	2.78	0	12.71 5.79
7296.0	0.00	76	4.4 0.0	2.82	0	12.63 5.75
7299.0	0.00	100	2.0 0.0	2.84	11	12.58 5.75
7305.0	0.00	100	2.9 0.0	2.84	4	12.55 5.75
7306.0	0.00	100	4.4 0.0	2.85	2	12.51 5.75
7307.0	0.00	100	5.2 0.0	2.82	23	12.47 5.75
7308.0	0.01	100	6.1 0.0	2.84	20	12.42 5.75
7309.0	0.01	95	5.9 0.0	2.82	0	12.35 5.74
7310.0	0.00	100	3.5 0.0	2.79	0	12.30 5.74
7311.0	0.00	100	2.9 0.0	2.80	0	12.27 5.74
7312.0	0.00	100	3.0 0.0	2.80	0	12.24 5.74
7313.0	0.00	100	4.5 0.0	2.81	0	12.21 5.74
7314.0	0.00	100	5.1 0.0	2.83	0	12.16 5.74
7315.0	0.00	100	3.6 0.0	2.82	0	12.11 5.74
7333.0	0.00	100	4.5 0.0	2.70	0	11.97 5.74
7334.0	0.02	97	6.5 0.0	2.73	0	11.92 5.74
7335.0	0.01	98	5.8 0.0	2.78	0	11.85 5.74
7336.0	0.00	100	2.9 0.0	2.80	0	11.80 5.74
7357.0	0.00	100	2.5 0.0	2.66	19	11.63 5.74
7361.0	0.00	100	3.3 0.0	2.71	30	11.59 5.74
7362.0	0.01	41	5.5 0.0	2.73	4	11.55 5.73
7363.0	0.00	98	2.6 0.0	2.75	0	11.50 5.71
7395.0	0.00	96	4.2 0.0	2.74	18	11.24 5.70

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. % %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT
7408.0	0.00	100	2.0 0.0	2.60	48	11.14 5.68
7413.0	0.00	100	2.0 0.0	2.70	3	11.08 5.68
7418.0	0.00	11	2.1 0.0	2.70	15	11.02 5.65
7419.0	0.00	20	2.1 0.0	2.69	0	11.00 5.64
7428.0	0.00	100	2.2 0.0	2.67	0	10.87 5.58
7429.0	0.00	100	2.4 0.0	2.61	41	10.84 5.58
7434.0	0.00	100	2.1 0.0	2.60	45	10.83 5.58
7435.0	0.00	78	4.1 0.0	2.67	20	10.80 5.58
7436.0	0.02	23	5.1 0.0	2.74	0	10.76 5.56
7446.0	0.00	100	4.5 0.0	2.63	2	10.66 5.54
7447.0	0.00	100	2.4 0.0	2.61	41	10.62 5.54
7448.0	0.00	100	2.6 0.0	2.88	38	10.60 5.54
7449.0	0.00	77	4.9 0.0	2.71	11	10.57 5.54
7450.0	0.00	55	4.9 0.0	2.68	0	10.51 5.52
7452.0	0.00	100	2.1 0.0	2.68	46	10.46 5.50
7457.0	0.00	100	2.6 0.0	2.62	38	10.44 5.50
7458.0	0.00	100	2.2 0.0	2.67	10	10.41 5.49
7459.0	0.00	99	3.3 0.0	2.64	20	10.39 5.49
7460.0	0.00	100	2.3 0.0	2.62	43	10.36 5.49
7463.0	0.00	37	3.5 0.0	2.60	27	10.33 5.49
7464.0	0.00	37	3.6 0.0	2.67	26	10.30 5.47
7465.0	0.00	36	3.5 0.0	2.78	27	10.26 5.44
7466.0	0.00	36	3.2 0.0	2.88	31	10.23 5.42
7467.0	0.00	37	3.5 0.0	2.89	27	10.20 5.40
7468.0	0.00	38	3.4 0.0	2.75	28	10.16 5.38
7469.0	0.00	37	4.3 0.0	2.65	18	10.13 5.36
7473.0	0.00	100	4.3 0.0	2.61	17	10.06 5.32
7474.0	0.00	100	2.3 0.0	2.62	42	10.02 5.32
7488.0	0.00	100	2.4 0.0	2.70	42	10.01 5.32
7489.0	0.01	55	5.7 0.0	2.66	2	9.97 5.32
7496.0	0.00	99	2.3 0.0	2.70	15	9.89 5.31
7505.0	0.01	80	5.8 0.0	2.61	0	9.81 5.29
7506.0	0.00	100	2.3 0.0	2.61	43	9.75 5.28
7518.0	0.00	70	4.1 0.0	2.73	20	9.72 5.28

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. % %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT
7541.0	0.00	100	2.2 0.0	2.73	44	9.58 5.27
7543.0	0.00	100	2.4 0.0	2.67	42	9.56 5.27
7544.0	0.00	100	2.5 0.0	2.83	40	9.53 5.27
7547.0	0.00	100	2.3 0.0	2.61	43	9.51 5.27
7548.0	0.01	100	5.3 0.0	2.72	7	9.48 5.27
7549.0	0.01	45	6.0 0.0	2.67	0	9.43 5.26
7559.0	0.00	63	4.5 0.0	2.68	15	9.30 5.21
7563.0	0.00	100	2.4 0.0	2.67	15	9.25 5.19
7564.0	0.00	100	4.4 0.0	2.61	17	9.22 5.19
7569.0	0.00	77	3.5 0.0	2.63	27	9.18 5.19
7570.0	0.00	33	4.5 0.0	2.60	15	9.15 5.18
7571.0	0.02	29	5.5 0.0	2.60	5	9.10 5.15
7572.0	0.00	100	4.1 0.0	2.60	20	9.05 5.12
7585.0	0.00	100	3.2 0.0	2.89	31	9.03 5.12
7600.0	0.00	77	3.1 0.0	2.61	31	8.96 5.10
7601.0	0.00	54	4.7 0.0	2.61	13	8.93 5.09
7602.0	0.00	100	2.2 0.0	2.61	43	8.88 5.08
7604.0	0.00	100	2.1 0.0	2.61	45	8.87 5.08
7605.0	0.00	57	4.9 0.0	2.69	11	8.84 5.08
7610.0	0.00	100	2.5 0.0	2.72	17	8.75 5.07
7618.0	0.00	100	4.0 0.0	2.64	21	8.72 5.07
7621.0	0.00	97	2.3 0.0	2.70	11	8.64 5.06
7627.0	0.00	100	2.1 0.0	2.65	16	8.60 5.06
7628.0	0.00	92	4.4 0.0	2.69	13	8.58 5.06
7629.0	0.00	95	4.4 0.0	2.70	17	8.54 5.06
7630.0	0.00	100	2.5 0.0	2.60	39	8.50 5.05
7631.0	0.00	100	3.0 0.0	2.69	33	8.47 5.05
7632.0	0.01	63	6.0 0.0	2.69	0	8.44 5.05
7641.0	0.00	100	2.6 0.0	2.60	39	8.37 5.04
7644.0	0.00	100	2.0 0.0	2.66	47	8.36 5.04
7645.0	0.00	72	3.4 0.0	2.65	10	8.33 5.04
7649.0	0.00	74	4.6 0.0	2.78	14	8.29 5.03

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. % %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT
7650.0	0.00	67	3.0 0.0	2.78	10	8.25 5.02
7656.0	0.00	100	2.2 0.0	2.60	44	8.22 5.01
7663.0	0.00	100	2.3 0.0	2.90	43	8.21 5.01
7664.0	0.01	48	5.6 0.0	2.77	4	8.17 5.01
7667.0	0.00	52	4.3 0.0	2.80	17	8.10 4.98
7668.0	0.01	27	5.0 0.0	2.78	2	8.05 4.95
7686.0	0.00	29	3.2 0.0	2.64	0	8.00 4.93
7691.0	0.00	37	2.4 0.0	2.67	0	7.94 4.90
7692.0	0.00	25	2.1 0.0	2.68	0	7.92 4.89
7712.0	0.00	32	3.8 0.0	2.61	23	7.81 4.84
7713.0	0.00	31	3.1 0.0	2.61	32	7.78 4.81
7714.0	0.00	31	3.2 0.0	2.64	30	7.75 4.79
7718.0	0.00	91	2.9 0.0	2.66	2	7.70 4.77
7719.0	0.00	99	3.0 0.0	2.61	33	7.66 4.77
7729.0	0.00	99	3.5 0.0	2.61	26	7.65 4.77
7730.0	0.02	38	6.0 0.0	2.66	0	7.60 4.75
7738.0	0.00	34	2.7 0.0	2.69	0	7.53 4.72
7739.0	0.00	36	2.5 0.0	2.69	0	7.50 4.71
7742.0	0.00	38	1.9 0.0	2.70	0	7.46 4.69
7749.0	0.03	43	6.6 0.0	2.69	0	7.38 4.67
7750.0	1.51	27	11.1 0.0	2.70	0	7.30 4.62
7751.0	2.11	22	11.0 0.0	2.71	0	7.18 4.53
7752.0	0.13	21	6.7 0.0	2.70	0	7.08 4.45
7753.0	0.00	37	2.2 0.0	2.70	0	7.03 4.41
7760.0	0.00	33	2.0 0.0	2.70	0	6.99 4.40
7763.0	0.00	21	2.6 0.0	2.70	0	6.94 4.37
7764.0	0.00	19	2.5 0.0	2.70	0	6.91 4.35
7768.0	0.00	100	2.3 0.0	2.61	42	6.84 4.31
7771.0	0.00	100	2.6 0.0	2.61	39	6.82 4.31
7772.0	0.00	61	2.4 0.0	2.62	41	6.80 4.31
7773.0	0.00	69	3.0 0.0	2.61	33	6.77 4.30
7774.0	0.00	66	3.7 0.0	2.67	24	6.74 4.29
7775.0	0.00	63	3.3 0.0	2.61	29	6.70 4.27

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. % %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT
7776.0	0.00	91	3.4 0.0	2.62	29	6.67 4.27
7777.0	0.00	67	4.5 0.0	2.74	15	6.64 4.26
7792.0	0.00	37	2.5 0.0	2.61	40	6.47 4.23
7793.0	0.00	33	3.8 0.0	2.65	23	6.45 4.21
7794.0	0.02	24	5.2 0.0	2.69	7	6.41 4.19
7804.0	0.00	49	3.7 0.0	2.66	7	6.30 4.15
7805.0	0.00	50	3.7 0.0	2.66	7	6.26 4.13
7806.0	0.00	64	2.7 0.0	2.67	0	6.23 4.11
7813.0	0.00	93	2.3 0.0	2.75	21	6.15 4.10
7814.0	0.12	30	7.5 0.0	2.77	10	6.11 4.09
7815.0	1.85	24	11.0 0.0	2.83	0	6.03 4.03
7816.0	2.22	26	11.6 0.0	2.87	0	5.91 3.94
7817.0	0.00	99	3.4 0.0	2.83	12	5.81 3.88
7818.0	3.43	24	12.3 0.0	2.66	24	5.77 3.87
7819.0	10.45	21	14.0 0.0	2.72	18	5.65 3.78
7822.0	0.00	100	2.2 0.0	2.70	13	5.54 3.71
7823.0	0.00	57	4.3 0.0	2.71	4	5.51 3.70
7826.0	0.00	74	2.7 0.0	2.70	0	5.44 3.69
7827.0	0.00	68	2.5 0.0	2.70	0	5.41 3.68
7829.0	0.00	69	2.5 0.0	2.71	2	5.37 3.68
7830.0	0.00	77	2.1 0.0	2.76	0	5.35 3.67
7832.0	0.00	42	4.3 0.0	2.82	0	5.31 3.66
7833.0	0.28	27	8.3 0.0	2.83	0	5.26 3.63
7834.0	2.01	22	10.9 0.0	2.82	0	5.16 3.56
7835.0	2.68	26	12.0 0.0	2.84	0	5.05 3.47
7836.0	13.14	24	15.3 0.0	2.85	0	4.93 3.38
7837.0	59.80	20	18.6 0.0	2.84	0	4.76 3.25
7838.0	38.63	20	17.3 0.0	2.84	0	4.58 3.11
7839.0	10.22	20	13.9 0.0	2.85	0	4.41 2.98
7840.0	1.05	20	9.5 0.0	2.83	0	4.28 2.87
7841.0	0.09	32	7.4 0.0	2.83	0	4.20 2.81
7842.0	2.95	25	12.1 0.0	2.86	0	4.11 2.75
7843.0	12.96	21	14.7 0.0	2.86	0	3.98 2.65
7844.0	3.80	23	12.2 0.0	2.85	0	3.84 2.54
7845.0	1.71	23	10.8 0.0	2.84	0	3.72 2.45
7846.0	1.44	22	10.3 0.0	2.85	0	3.61 2.37
7847.0	0.26	23	7.8 0.0	2.83	1	3.51 2.29
7848.0	0.01	27	5.0 0.0	2.80	3	3.44 2.24
7849.0	0.00	49	2.7 0.0	2.79	2	3.40 2.21
7873.0	0.00	44	3.4 0.0	2.82	0	3.26 2.19

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. % %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT
7900.0	0.00	100	2.0 0.0	2.79	2	3.08 2.16
7901.0	0.00	100	2.2 0.0	2.80	0	3.06 2.16
7902.0	0.00	100	2.4 0.0	2.83	0	3.03 2.16
7932.0	0.00	99	4.8 0.0	2.69	5	2.88 2.16
7933.0	0.01	94	5.8 0.0	2.66	0	2.83 2.16
7934.0	0.01	99	5.5 0.0	2.67	0	2.77 2.16
7935.0	0.00	100	4.3 0.0	2.70	3	2.72 2.16
7936.0	0.00	95	4.7 0.0	2.69	2	2.68 2.16
7937.0	0.01	70	5.4 0.0	2.67	0	2.63 2.15
7938.0	0.00	72	5.1 0.0	2.66	0	2.57 2.14
7939.0	0.01	69	5.3 0.0	2.66	0	2.52 2.12
7940.0	0.00	99	4.0 0.0	2.65	3	2.47 2.11
7941.0	0.00	100	2.5 0.0	2.67	36	2.44 2.11
7948.0	0.00	70	4.4 0.0	2.87	38	2.41 2.11
7949.0	0.08	30	7.1 0.0	2.84	18	2.35 2.08
7950.0	1.81	12	8.8 0.0	2.89	7	2.28 2.02
7951.0	0.12	18	6.3 0.0	2.89	13	2.19 1.95
7952.0	0.12	22	6.7 0.0	2.88	9	2.13 1.90
7953.0	0.11	14	5.8 0.0	2.89	0	2.06 1.84
7954.0	0.68	5	6.9 0.0	2.89	0	2.00 1.79
7955.0	2.62	5	8.7 0.0	2.86	0	1.93 1.72
7956.0	1.51	8	7.9 0.0	2.83	5	1.84 1.64
7957.0	1.51	12	8.6 0.0	2.74	8	1.76 1.57
7958.0	0.43	19	7.9 0.0	2.77	12	1.68 1.50
7959.0	0.00	37	4.1 0.0	2.86	40	1.61 1.44
7961.0	0.00	46	3.5 0.0	2.89	46	1.59 1.43
7962.0	0.30	25	8.2 0.0	2.88	10	1.54 1.41
7963.0	0.62	11	7.1 0.0	2.89	2	1.46 1.34
7964.0	0.47	4	6.5 0.0	2.89	1	1.39 1.28
7965.0	3.01	5	8.9 0.0	2.86	0	1.32 1.21
7966.0	1.30	7	7.7 0.0	2.90	0	1.23 1.13
7967.0	0.23	12	6.2 0.0	2.88	8	1.16 1.06
7968.0	0.05	16	5.3 0.0	2.89	15	1.10 1.01
7969.0	0.01	18	4.0 0.0	2.90	12	1.06 0.97
7970.0	0.00	19	3.3 0.0	2.89	5	1.02 0.94
7971.0	0.00	24	3.4 0.0	2.89	5	0.99 0.92
7972.0	0.01	20	4.1 0.0	2.90	0	0.95 0.89
7973.0	0.01	19	4.3 0.0	2.90	0	0.91 0.86
7974.0	0.05	9	4.5 0.0	2.89	0	0.87 0.82
7975.0	0.35	4	6.2 0.0	2.87	2	0.82 0.78
7976.0	0.30	4	6.0 0.0	2.85	4	0.76 0.72
7977.0	0.28	4	6.0 0.0	2.86	4	0.70 0.67
7978.0	0.67	4	6.9 0.0	2.88	0	0.64 0.61
7979.0	0.21	4	5.7 0.0	2.89	0	0.57 0.54

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY		MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
			TOTAL %	SEC. %			POR-FT	HC-FT
7980.0	1.15	3	7.5	0.0	2.88	0	0.52	0.49
7981.0	2.00	3	8.3	0.0	2.88	0	0.44	0.41
7982.0	0.43	5	6.4	0.0	2.88	0	0.36	0.34
7983.0	6.25	4	10.0	0.0	2.88	0	0.29	0.27
7984.0	1.08	5	7.5	0.0	2.89	0	0.19	0.18
7985.0	0.82	6	7.1	0.0	2.88	0	0.12	0.11
7986.0	2.09	7	8.3	0.0	2.86	0	0.04	0.04