
* CORIAND *

* SCHLUMBERGER *

COMPANY PHILLIPS PETROLEUM COMPANY

WELL LAMBIRTH A#2

FIELD SOUTH PETERSON

COUNTY ROOSEVELT

STATE NEW MEXICO

DATE 30-MAR-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
7401.0	0.00	100	4.5 0.0	2.72	28	11.52 6.53
7402.0	0.04	100	7.4 0.0	2.74	0	11.47 6.53
7403.0	0.00	60	4.3 0.0	2.77	0	11.40 6.52
7404.0	0.00	36	3.3 0.0	2.75	0	11.36 6.50
7405.0	0.00	31	2.4 0.0	2.74	2	11.33 6.48
7414.0	0.00	100	3.8 0.0	2.84	36	11.26 6.47
7415.0	0.01	100	5.5 0.0	2.75	18	11.22 6.47
7416.0	0.00	76	4.5 0.0	2.70	0	11.16 6.47
7417.0	0.00	34	2.7 0.0	2.68	0	11.13 6.46
7418.0	0.00	23	3.4 0.0	2.67	0	11.10 6.44
7419.0	0.04	18	5.3 0.0	2.65	4	11.06 6.41
7420.0	0.00	100	4.9 0.0	2.61	24	11.00 6.37
7425.0	0.00	100	3.9 0.0	2.76	35	10.96 6.37
7426.0	0.00	99	4.6 0.0	2.71	11	10.92 6.37
7432.0	0.00	100	4.2 0.0	2.83	31	10.85 6.36
7433.0	0.04	65	7.3 0.0	2.79	1	10.79 6.36
7434.0	0.05	47	7.5 0.0	2.78	0	10.72 6.32
7435.0	0.04	45	7.1 0.0	2.79	0	10.65 6.29
7436.0	0.00	59	4.5 0.0	2.73	0	10.58 6.25
7437.0	0.00	39	4.7 0.0	2.74	0	10.54 6.23
7438.0	0.01	39	5.2 0.0	2.76	7	10.49 6.20
7439.0	0.01	36	5.5 0.0	2.76	18	10.44 6.17
7440.0	0.00	50	4.6 0.0	2.63	27	10.39 6.14
7441.0	0.00	100	2.8 0.0	2.62	48	10.34 6.12
7456.0	0.00	100	3.4 0.0	2.86	41	10.33 6.12
7457.0	0.02	100	6.3 0.0	2.80	10	10.29 6.12
7458.0	0.03	84	7.0 0.0	2.70	0	10.22 6.12
7459.0	0.00	29	4.1 0.0	2.73	0	10.16 6.10
7460.0	0.01	31	4.9 0.0	2.74	0	10.12 6.07
7461.0	0.01	36	5.5 0.0	2.75	0	10.07 6.04
7462.0	0.00	42	4.1 0.0	2.73	0	10.02 6.01
7463.0	0.00	34	3.7 0.0	2.71	0	9.98 5.98
7464.0	0.00	37	3.4 0.0	2.71	1	9.94 5.96
7465.0	0.00	62	2.0 0.0	2.70	2	9.91 5.94
7489.0	0.00	100	2.9 0.0	2.60	47	9.82 5.91
7490.0	0.01	100	6.1 0.0	2.67	13	9.79 5.91
7491.0	0.06	44	7.5 0.0	2.73	0	9.72 5.90
7492.0	0.01	40	5.6 0.0	2.73	0	9.65 5.86
7493.0	0.01	35	5.1 0.0	2.73	0	9.60 5.83
7494.0	0.00	38	4.2 0.0	2.73	2	9.55 5.79
7495.0	0.00	48	3.1 0.0	2.72	6	9.51 5.77
7510.0	0.00	100	2.3 0.0	2.86	43	9.36 5.72

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. % %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT
7516.0	0.00	100	2.4 0.0	2.90	46	9.35 5.72
7517.0	0.01	72	5.4 0.0	2.78	6	9.32 5.72
7518.0	0.00	46	4.6 0.0	2.77	1	9.26 5.69
7519.0	0.00	69	2.8 0.0	2.74	8	9.22 5.67
7529.0	0.00	100	2.8 0.0	2.61	35	9.18 5.67
7538.0	0.00	100	2.2 0.0	2.69	48	9.14 5.65
7539.0	0.00	42	3.2 0.0	2.69	23	9.11 5.65
7556.0	0.00	100	4.1 0.0	2.76	22	9.07 5.64
7557.0	0.00	72	3.1 0.0	2.75	8	9.03 5.64
7558.0	0.00	56	2.2 0.0	2.75	8	9.00 5.62
7559.0	0.00	75	2.0 0.0	2.75	10	8.98 5.62
7578.0	0.00	100	2.4 0.0	2.85	45	8.96 5.61
7579.0	0.00	99	4.4 0.0	2.74	15	8.93 5.61
7580.0	0.00	100	2.6 0.0	2.71	15	8.89 5.61
7581.0	0.00	100	2.0 0.0	2.72	15	8.87 5.61
7591.0	0.00	100	5.0 0.0	2.74	11	8.82 5.61
7592.0	0.00	100	2.9 0.0	2.67	0	8.76 5.61
7611.0	0.00	100	3.9 0.0	2.77	24	8.71 5.61
7612.0	0.00	64	4.8 0.0	2.74	11	8.66 5.61
7613.0	0.00	81	3.7 0.0	2.72	14	8.62 5.59
7614.0	0.00	90	3.4 0.0	2.73	23	8.58 5.58
7615.0	0.00	91	3.3 0.0	2.73	33	8.55 5.58
7618.0	0.00	100	2.7 0.0	2.73	40	8.52 5.58
7619.0	0.00	100	5.0 0.0	2.69	11	8.48 5.58
7620.0	0.00	51	3.7 0.0	2.70	7	8.43 5.57
7624.0	0.00	100	3.0 0.0	2.88	36	8.39 5.55
7625.0	0.01	100	5.6 0.0	2.71	2	8.36 5.55
7626.0	0.00	44	2.9 0.0	2.70	0	8.31 5.55
7627.0	0.00	39	4.0 0.0	2.72	0	8.28 5.53
7628.0	0.00	88	4.2 0.0	2.73	5	8.24 5.51
7629.0	0.01	63	5.8 0.0	2.72	0	8.19 5.50
7630.0	0.00	47	4.9 0.0	2.68	0	8.13 5.48
7631.0	0.00	37	4.1 0.0	2.66	0	8.09 5.45
7632.0	0.00	37	3.4 0.0	2.67	0	8.04 5.42
7633.0	0.00	30	2.8 0.0	2.68	0	8.01 5.40
7634.0	0.00	28	3.1 0.0	2.67	0	7.98 5.38
7635.0	0.01	24	4.7 0.0	2.68	0	7.95 5.36
7636.0	0.00	30	4.1 0.0	2.67	0	7.90 5.32
7637.0	0.00	39	2.9 0.0	2.67	0	7.86 5.30

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. % %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT
7638.0	0.00	52	2.1 0.0	2.69	0	7.84 5.28
7639.0	0.00	58	2.1 0.0	2.69	0	7.82 5.27
7650.0	0.00	100	2.0 0.0	2.64	10	7.73 5.27
7651.0	0.00	100	1.9 0.0	2.64	24	7.71 5.27
7657.0	0.00	100	4.2 0.0	2.76	11	7.68 5.26
7658.0	0.00	19	3.3 0.0	2.68	0	7.63 5.26
7659.0	0.00	11	2.4 0.0	2.69	0	7.61 5.23
7660.0	0.00	19	3.4 0.0	2.71	0	7.58 5.21
7661.0	0.00	30	3.0 0.0	2.68	0	7.55 5.18
7662.0	0.00	27	3.1 0.0	2.68	0	7.52 5.16
7663.0	0.01	19	3.8 0.0	2.71	0	7.48 5.14
7664.0	0.00	29	2.2 0.0	2.69	0	7.45 5.11
7665.0	0.00	30	2.1 0.0	2.69	0	7.43 5.10
7666.0	0.00	29	2.2 0.0	2.69	0	7.41 5.08
7678.0	0.00	100	3.4 0.0	2.72	21	7.30 5.06
7679.0	0.00	94	4.4 0.0	2.63	0	7.26 5.06
7680.0	0.00	51	2.4 0.0	2.68	0	7.22 5.06
7682.0	0.00	55	2.0 0.0	2.70	0	7.18 5.04
7683.0	0.00	36	2.4 0.0	2.68	0	7.17 5.03
7684.0	0.00	29	2.9 0.0	2.68	0	7.14 5.02
7707.0	0.00	100	4.6 0.0	2.79	6	7.04 5.00
7708.0	0.00	49	4.8 0.0	2.75	0	6.99 5.00
7709.0	0.00	51	3.2 0.0	2.73	0	6.95 4.98
7710.0	0.00	56	3.3 0.0	2.71	0	6.91 4.96
7711.0	0.00	61	2.9 0.0	2.69	0	6.88 4.95
7712.0	0.00	99	1.9 0.0	2.69	0	6.86 4.94
7714.0	0.00	100	2.1 0.0	2.68	0	6.82 4.94
7715.0	0.00	85	2.5 0.0	2.68	0	6.79 4.94
7716.0	0.00	71	2.1 0.0	2.68	0	6.77 4.94
7719.0	0.00	77	2.1 0.0	2.69	0	6.71 4.92
7720.0	0.00	98	2.5 0.0	2.68	0	6.70 4.92
7721.0	0.00	78	2.6 0.0	2.67	0	6.67 4.91
7722.0	0.00	38	3.1 0.0	2.67	0	6.64 4.90
7723.0	0.00	27	3.0 0.0	2.67	0	6.61 4.88
7726.0	0.00	36	2.2 0.0	2.68	0	6.55 4.84
7727.0	0.00	31	2.6 0.0	2.69	0	6.52 4.83
7728.0	0.00	25	3.5 0.0	2.68	0	6.50 4.81
7729.0	0.01	22	4.4 0.0	2.68	0	6.46 4.78
7730.0	0.00	26	3.8 0.0	2.69	0	6.42 4.75
7731.0	0.00	22	3.1 0.0	2.68	0	6.38 4.72

DEPTH FEET	PERM.TU OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT		
7732.0	0.00	27	2.2	0.0	2.69	3	6.35	4.70
7773.0	0.00	100	3.2	0.0	2.61	25	6.24	4.67
7774.0	0.00	76	3.8	0.0	2.67	16	6.21	4.67
7796.0	0.00	52	2.3	0.0	2.60	39	6.09	4.66
7804.0	0.00	99	1.9	0.0	2.70	39	6.05	4.65
7807.0	0.00	100	2.4	0.0	2.61	37	6.02	4.65
7808.0	0.00	100	2.4	0.0	2.61	38	6.00	4.65
7814.0	0.00	100	3.5	0.0	2.66	20	5.95	4.65
7815.0	0.00	64	3.2	0.0	2.69	13	5.92	4.65
7816.0	0.00	56	2.8	0.0	2.68	16	5.89	4.63
7817.0	0.00	43	2.9	0.0	2.63	26	5.86	4.62
7818.0	0.00	58	3.0	0.0	2.61	28	5.83	4.61
7819.0	0.00	46	2.2	0.0	2.60	42	5.80	4.59
7821.0	0.00	45	1.9	0.0	2.61	47	5.76	4.57
7822.0	0.00	55	1.9	0.0	2.62	47	5.74	4.56
7823.0	0.00	67	2.7	0.0	2.71	33	5.72	4.56
7831.0	0.00	49	4.5	0.0	2.80	6	5.66	4.53
7832.0	3.18	16	10.5	0.0	2.80	0	5.61	4.51
7833.0	11.76	15	12.7	0.0	2.82	0	5.50	4.41
7834.0	13.73	16	13.5	0.0	2.80	0	5.37	4.30
7835.0	14.03	17	13.9	0.0	2.80	0	5.24	4.19
7836.0	9.25	19	13.3	0.0	2.81	0	5.10	4.08
7837.0	5.21	21	12.4	0.0	2.80	0	4.97	3.97
7838.0	3.25	21	11.5	0.0	2.80	0	4.84	3.88
7839.0	2.82	20	11.1	0.0	2.81	0	4.73	3.79
7840.0	4.60	17	11.6	0.0	2.81	0	4.62	3.70
7841.0	3.98	18	11.4	0.0	2.80	0	4.50	3.60
7842.0	4.23	18	11.5	0.0	2.82	0	4.39	3.51
7843.0	4.49	17	11.4	0.0	2.82	0	4.28	3.42
7844.0	5.39	16	11.4	0.0	2.80	0	4.16	3.32
7845.0	3.50	14	10.4	0.0	2.79	0	4.05	3.23
7846.0	2.73	13	9.6	0.0	2.81	0	3.95	3.14
7847.0	2.36	14	9.7	0.0	2.82	0	3.85	3.06
7848.0	4.68	13	10.6	0.0	2.81	0	3.75	2.97
7849.0	15.18	11	12.3	0.0	2.81	0	3.64	2.87
7850.0	38.58	10	13.9	0.0	2.79	0	3.51	2.76
7851.0	39.51	10	14.0	0.0	2.80	0	3.37	2.64
7852.0	10.49	11	11.6	0.0	2.79	0	3.24	2.52
7853.0	4.49	12	10.2	0.0	2.79	0	3.13	2.42
7854.0	1.34	16	9.1	0.0	2.78	0	3.03	2.33
7855.0	1.80	16	9.7	0.0	2.80	0	2.94	2.26

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT
7856.0	0.81	18	8.8	0.0	2.81	0 2.84 2.18
7857.0	0.43	20	8.1	0.0	2.83	0 2.75 2.11
7858.0	0.89	18	8.9	0.0	2.81	0 2.67 2.04
7859.0	1.67	16	9.5	0.0	2.80	0 2.58 1.97
7860.0	4.30	14	10.7	0.0	2.81	0 2.48 1.89
7861.0	8.51	13	11.5	0.0	2.82	0 2.37 1.79
7862.0	10.63	12	11.8	0.0	2.81	0 2.26 1.69
7863.0	7.37	14	11.6	0.0	2.81	0 2.14 1.59
7864.0	2.82	16	10.4	0.0	2.82	0 2.03 1.49
7865.0	0.83	18	8.8	0.0	2.82	0 1.93 1.41
7866.0	0.81	15	8.2	0.0	2.81	0 1.84 1.34
7867.0	1.19	16	9.0	0.0	2.78	0 1.76 1.27
7868.0	2.19	18	10.4	0.0	2.79	1 1.67 1.19
7869.0	1.96	20	10.5	0.0	2.81	0 1.56 1.11
7870.0	1.88	23	10.8	0.0	2.81	0 1.46 1.03
7871.0	3.00	23	11.7	0.0	2.79	0 1.35 0.94
7872.0	2.02	24	11.1	0.0	2.78	0 1.23 0.85
7873.0	0.71	24	9.4	0.0	2.79	0 1.12 0.77
7874.0	0.48	23	8.7	0.0	2.80	0 1.03 0.70
7875.0	0.23	26	7.9	0.0	2.80	0 0.94 0.64
7876.0	0.21	26	7.9	0.0	2.81	0 0.86 0.58
7877.0	0.20	28	8.0	0.0	2.80	0 0.79 0.52
7878.0	0.37	30	9.1	0.0	2.80	0 0.70 0.46
7879.0	0.54	37	10.3	0.0	2.80	0 0.61 0.40
7880.0	0.86	34	10.9	0.0	2.81	0 0.51 0.33
7881.0	0.61	34	10.2	0.0	2.82	0 0.40 0.26
7882.0	0.23	40	9.2	0.0	2.83	1 0.30 0.20
7883.0	0.21	38	8.9	0.0	2.82	1 0.21 0.15
7884.0	0.19	29	8.0	0.0	2.81	4 0.12 0.09
7885.0	0.34	24	8.3	0.0	2.82	1 0.04 0.03