

# WRS COMPLETION REPORT

COMPLETIONS SEC 35 TWP 17S RGE 33E  
PI# 30-T-0010 05/04/87 30-025-29814-0000 PAGE 1

NMEX LEA \* 1980FNL 560FEL SEC SE NE  
STATE COUNTY FOOTAGE SPCT  
PHILLIPS PET WELL CLASS INIT FIN  
OPERATOR 19 PHILMEX  
WELL NO. 4127KB 4117GR  
OPER ELEV VACUUM  
FIELD POOL AREA  
API 30-025-29814-0000

LEASE TYPE NO. PERMIT OR WELL I.D. NO.  
01/13/1987 03/25/1987 ROTARY OIL  
SPUD DATE COMP. DATE TYPE TOOL STATUS  
4900 GRBG-SAD ROD RIC CORP 9 RIG SUB 9  
PROJ. DEPTH PROJ. FORM CONTRACTOR  
DTD 4800 PB 4618 FM/TD SN ANDRS  
DRILLERS T.D. LOG T.D. PLUG BACK TD OLD T.D. FORM T.D.

## LOCATION DESCRIPTION

9 MI SE MALJAMAR, NM

## CASING/LINER DATA

CSG 8 5/8 @ 1540 W/ 1000 SACKS  
CSG 5 1/2 @ 4800 W/ 1100 SACKS

## TUBING DATA

TBG 2 3/8 AT 4608

## INITIAL POTENTIAL

IPP 80BOPD 40 MCFD 175BW 24HRS  
GRBG-SAD PERF W/ 2/FT 4335- 4602 GROSS  
GTY 37.2 GOR 500

TYPE	FORMATION	LTH	TOP DEPTH/SUB	BSE DEPTH/SUB
LOG	YATES		2822 1305	
LOG	QUEEN		3806 321	
LOG	GRAYBURG		4185 -58	
LOG	SN ANDRS		4552 -425	

## PRODUCTION TEST DATA

PTS 10BW  
GRBG-SAD PERF W/ 2/FT 4335- 4670 GROSS  
PERF 4335- 4340 4380- 4384 4388- 4451 4459- 4461

CONTINUED IC# 300257035186

Petroleum Information

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PI-WRS-GET  
Form No 187

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PHILLIPS PET  
 19 PHILMEX D DO

PRODUCTION TEST DATA

PERF 4484- 4486 4488- 4492 4513- 4515 4533- 4535  
 PERF 4542- 4551 4577- 4586 4594- 4602 4628- 4636  
 PERF 4639- 4646 4654- 4670

PTS 1BOPD  
 GRBG-SAD PERF W/ 2/FT 4335- 4670 GROSS 24HRS  
 ACID 4335- 4670 7800GALS  
 15% NEFE HCL  
 SWBD 1 BO + 150 BLW IN 24 HRS

GRBG-SAD PERF W/ 2/FT 4335- 4670 GROSS  
 SWFR 4335- 4670 74000GALS 132000LBS SAND  
 2% KCL WTR 20/40 MESH ADDTVGELA  
 BRPG 4628- 4670 DEPTH 4618  
 SWBD 38 BLW IN 2 HRS

PTS 10BO  
 GRBG-SAD PERF W/ 208BW 2/FT 4335- 4602 GROSS 10HRS

PTS 32BO  
 GRBG-SAD PERF W/ 2/FT 4335- 4602 GROSS 10HRS  
 SWBD 32 BO + 185 BLW IN 10 HRS

PTS 8BO  
 GRBG-SAD PERF W/ 32BW 2/FT 4335- 4602 GROSS 2HRS

PTP 38BO  
 GRBG-SAD PERF W/ 2/FT 4335- 4602 GROSS 18HRS  
 PPD 38 BO + 147 BLW IN 18 HRS

PTP 80BOPD  
 GRBG-SAD PERF W/ 142BW 2/FT 4335- 4602 GROSS 24HRS

PTP 80BOPD  
 GRBG-SAD PERF W/ 181BW 2/FT 4335- 4602 GROSS 24HRS

LOGS AND SURVEYS /INTERVAL,TYPE/

LOGS 2500- 4800 DLL 2500- 4800 MSFL 2500- 4800 CAL  
 LOGS 2500- 4800 CNL 2500- 4800 LDT 2500- 4800 GR  
 LOGS 3700- 4800 LSS 1755- 3500 GR 1755- 3500 CCL

CONTINUED

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PHILLIPS PET PHILMEX D DO  
19

LOGS AND SURVEYS /INTERVAL,TYPE/  
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LOGS CNL CDL GR  
LOGS BHC AVL

DRILLING PROGRESS DETAILS  
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PHILLIPS PET  
4001 PENBROOK ROOM 401  
ODESSA, TX 79762  
915-367-1266  
12/09 LOC/1986/  
01/16 DRLG 2100  
01/20 DRLG 4524  
01/22 4800 TD, WOCT  
02/03 4800 TD, WOCT  
02/25 4800 TD, WOCT  
03/02 4800 TD, PB 4746, PREP ACID  
03/03 4800 TD, PB 4746, RECG LD  
03/05 4800 TD, PB 4746, PREP TEST  
03/10 4800 TD, PB 4746, RECG LD  
03/12 4800 TD, PB 4618, RECG LD  
03/16 4800 TD, PB 4618, RECG LD  
03/20 4800 TD, PB 4618, RECG LD  
03/23 4800 TD, PB 4618, TSTG  
03/25 4800 TD, PB 4618, TSTG  
03/26 4800 TD, PB 4618, WOCT  
BHT 28 F @ 102 CIRC 4HRS  
TD REACHED 01/22/87 RIG REL 01/22/87  
04/30 4800 TD, PB 4618  
COMP 3/25/87, IPP 80 BO, 40 MCFG, 175 BWP  
GOR 500, GTY 37.2  
PROD ZONE - GRAYBURG-SAN ANDRES 4335-4602  
NO CORES OR DSTS RPTD

35-17-33  
Unit HPHILLIPS PETROLEUM COMPANY  
WILMEX NO. 19

DEPTH (FEET)	SHEAR MODULUS (MODULUS UNITS ARE MILLION PSI)	BULK MODULUS (MODULUS UNITS ARE MILLION PSI)	YOUNG'S MODULUS (MODULUS UNITS ARE MILLION PSI)	POISSON'S RATIO	FRACTURE GRADIENT (PSI/FT)	CLOSURE GRADIENT (PSI/FT)	DIFF. PRESSURE (PSI/FT)
3620.0	3.309	7.347	8.631	0.304	0.966	0.958	1746.278
3622.0	3.375	7.691	8.834	0.309	0.986	0.968	1748.199
3624.0	3.824	8.200	9.929	0.298	0.945	0.944	1750.097
3626.0	2.998	6.445	7.787	0.299	0.946	0.932	1751.975
3628.0	1.734	3.641	4.488	0.295	0.960	0.841	1753.723
3630.0	1.839	3.872	4.763	0.295	0.967	0.828	1755.389
3632.0	2.230	4.804	5.794	0.299	0.977	0.846	1735.438
3634.0	2.932	6.632	7.666	0.307	0.990	0.926	1733.683
3636.0	3.479	7.387	9.022	0.296	0.941	0.931	1731.833
3638.0	3.214	6.988	8.360	0.301	0.951	0.946	1729.957
3640.0	2.889	6.506	7.549	0.307	0.983	0.938	1728.074
3642.0	3.978	9.081	10.412	0.309	0.987	0.968	1726.167
3644.0	3.680	8.276	9.615	0.306	0.976	0.963	1724.230
3646.0	3.471	7.666	9.048	0.303	0.962	0.955	1722.309
3648.0	4.048	8.822	10.532	0.301	0.952	0.950	1720.401
3650.0	3.886	8.393	10.098	0.299	0.948	0.947	1718.507
3652.0	3.428	7.759	8.964	0.307	0.981	0.965	1716.600
3654.0	3.054	7.636	8.083	0.324	1.056	1.003	1714.635
3656.0	4.239	9.196	11.024	0.300	0.950	0.948	1712.679
3658.0	3.787	8.604	9.907	0.308	0.984	0.966	1710.765
3660.0	2.637	6.039	6.906	0.309	0.996	0.942	1708.857
3662.0	3.534	8.240	9.276	0.312	1.003	0.976	1706.944
3664.0	3.940	8.649	10.261	0.302	0.957	0.953	1705.014
3666.0	3.359	7.508	8.769	0.305	0.971	0.960	1703.107
3668.0	2.639	5.872	6.884	0.305	0.973	0.940	1701.203
3670.0	2.871	6.502	7.508	0.308	0.984	0.952	1699.322
3672.0	3.061	7.268	8.054	0.315	1.017	0.983	1697.393
3674.0	3.383	7.829	8.872	0.311	0.998	0.974	1695.436
3676.0	3.965	9.069	10.381	0.309	0.989	0.969	1693.487
3678.0	3.506	7.427	9.088	0.296	0.940	0.939	1691.563
3680.0	2.315	4.845	5.991	0.294	0.939	0.887	1689.728
3682.0	2.872	5.603	7.359	0.281	0.896	0.851	1687.984
3684.0	3.617	7.734	9.388	0.298	0.944	0.943	1686.216
3686.0	4.387	10.021	11.484	0.309	0.988	0.968	1684.318
3688.0	3.325	7.118	8.630	0.298	0.944	0.934	1682.432
3690.0	2.981	6.068	7.684	0.289	0.922	0.906	1680.580
3692.0	4.345	9.129	11.249	0.295	0.937	0.936	1678.729
3694.0	3.868	8.807	10.123	0.308	0.985	0.967	1676.824
3696.0	3.446	7.412	8.951	0.299	0.946	0.944	1674.936
3698.0	3.686	8.078	9.599	0.302	0.956	0.952	1673.018
3700.0	3.789	8.519	9.899	0.306	0.976	0.962	1671.113
3702.0	4.091	8.238	10.530	0.287	0.920	0.919	1669.224
3704.0	3.118	6.658	8.091	0.297	0.943	0.942	1667.363
3706.0	3.024	7.474	7.995	0.322	1.048	0.990	1665.448
3708.0	4.427	9.827	11.548	0.304	0.966	0.957	1663.494
3710.0	3.518	8.267	9.242	0.314	1.010	0.979	1661.573
3712.0	3.978	8.801	10.371	0.304	0.963	0.956	1659.628
3714.0	4.023	9.173	10.530	0.309	0.986	0.968	1657.698
3716.0	3.029	6.151	7.807	0.288	0.919	0.891	1655.833
3718.0	3.405	7.546	8.881	0.304	0.966	0.949	1653.994
3720.0	3.817	8.636	9.980	0.307	0.980	0.965	1652.074

PHILLIPS PETROLEUM COMPANY  
 PHILMEX NO. 19

DEPTH (FEET)	SHEAR MODULUS (MODJLUS	BULK MODULUS JNITS ARE	YOUNG'S MODULUS MILLION PSI)	POISSON'S RATIO	FRACTURE GRADIENT (PSI/FT)	CLOSURE GRADIENT (PSI/FT)	DIFF. PRESSURE (PSI/FT)
3722.0	3.636	7.906	9.457	0.301	0.951	0.950	1650.160
3724.0	3.774	8.772	9.903	0.312	1.001	0.975	1648.239
3726.0	4.434	8.931	11.413	0.287	0.920	0.919	1646.324
3728.0	4.029	9.148	10.540	0.308	0.983	0.966	1644.453
3730.0	4.153	9.183	10.827	0.303	0.963	0.956	1642.529
3732.0	3.460	8.211	9.101	0.315	1.017	0.983	1640.611
3734.0	4.664	9.469	12.018	0.288	0.924	0.922	1638.677
3736.0	5.010	10.136	12.904	0.288	0.922	0.921	1636.843
3738.0	3.931	8.550	10.227	0.301	0.952	0.943	1634.988
3740.0	3.073	6.549	7.972	0.297	0.942	0.930	1633.102
3742.0	3.061	6.047	7.856	0.283	0.904	0.868	1631.290
3744.0	3.504	7.384	9.075	0.295	0.938	0.934	1629.489
3746.0	3.044	6.559	7.910	0.299	0.949	0.925	1627.631
3748.0	3.718	8.005	9.658	0.299	0.947	0.946	1625.760
3750.0	3.824	8.396	9.960	0.302	0.957	0.953	1623.864
3752.0	3.625	7.118	9.296	0.282	0.910	0.909	1621.983
3754.0	4.115	9.047	10.720	0.302	0.958	0.954	1620.129
3756.0	2.847	5.033	7.381	0.296	0.940	0.934	1618.253
3758.0	1.794	3.433	4.584	0.277	0.897	0.819	1616.476
3750.0	4.126	8.707	10.689	0.295	0.939	0.938	1614.762
3762.0	4.646	10.641	12.166	0.309	0.990	0.969	1612.865
3764.0	3.573	7.381	9.230	0.292	0.930	0.929	1610.986
3766.0	3.214	5.882	8.155	0.269	0.874	0.856	1609.181
3768.0	4.631	10.013	12.036	0.300	0.948	0.947	1607.384
3770.0	3.793	7.380	9.714	0.281	0.905	0.897	1605.553
3772.0	4.084	7.646	10.399	0.273	0.891	0.888	1603.772
3774.0	4.423	10.613	11.651	0.317	1.025	0.987	1601.893
3776.0	3.651	7.369	9.400	0.287	0.921	0.920	1599.978
3778.0	3.143	5.430	7.903	0.257	0.852	0.841	1598.160
3780.0	4.441	10.411	11.564	0.313	1.008	0.978	1596.377
3782.0	3.709	9.355	9.692	0.307	0.977	0.963	1594.444
3784.0	4.226	9.055	10.971	0.298	0.945	0.944	1592.533
3786.0	4.613	10.729	12.104	0.312	1.002	0.975	1590.615
3788.0	4.815	10.157	12.473	0.295	0.939	0.937	1588.705
3790.0	4.169	8.044	10.665	0.279	0.903	0.902	1586.867
3792.0	3.781	7.611	9.731	0.287	0.920	0.919	1585.046
3794.0	4.240	8.677	10.938	0.290	0.927	0.926	1583.206
3796.0	3.610	7.402	9.315	0.290	0.927	0.920	1581.356
3798.0	3.819	8.371	9.944	0.302	0.956	0.953	1579.490
3800.0	4.090	9.304	10.701	0.308	0.985	0.967	1577.573
3802.0	4.034	9.155	10.553	0.308	0.983	0.966	1575.641
3804.0	4.225	9.281	11.005	0.302	0.958	0.953	1573.718
3806.0	3.503	7.159	9.035	0.290	0.926	0.922	1571.829
3808.0	2.944	5.579	7.510	0.276	0.882	0.838	1570.064
3810.0	3.765	6.426	9.449	0.255	0.842	0.822	1568.401
3812.0	3.782	6.215	9.433	0.247	0.829	0.818	1566.756
3814.0	3.152	5.560	7.953	0.262	0.851	0.819	1565.121
3816.0	2.882	5.651	7.390	0.282	0.903	0.845	1563.459
3818.0	2.955	5.416	7.502	0.269	0.863	0.817	1561.792
3820.0	2.995	5.338	7.569	0.264	0.852	0.811	1560.164
3822.0	2.915	5.341	7.398	0.269	0.865	0.821	1558.533

PHILLIPS PETROLEUM COMPANY  
PHILMEX NO. 19

DEPTH (FEET)	SHEAR MODULUS (MODULUS UNITS)	BULK MODULUS (UNITS ARE MILLION)	YOUNG'S MODULUS (PSI)	POISSON'S RATIO	FRACTURE GRADIENT (PSI/FT)	CLOSURE GRADIENT (PSI/FT)	DIFF. PRESSURE (PSI/FT)
3824.0	2.745	5.084	6.978	0.271	0.868	0.820	1556.896
3826.0	3.115	5.503	7.862	0.262	0.851	0.817	1555.262
3828.0	3.668	5.809	9.090	0.239	0.807	0.790	1553.647
3830.0	3.830	6.185	9.525	0.243	0.821	0.809	1552.064
3832.0	2.908	5.339	7.384	0.269	0.868	0.830	1550.422
3834.0	3.766	6.340	9.430	0.252	0.831	0.807	1548.779
3836.0	4.127	6.579	10.240	0.241	0.818	0.811	1547.165
3838.0	4.195	5.942	10.476	0.249	0.830	0.816	1545.539
3840.0	4.807	7.055	12.253	0.274	0.892	0.886	1543.844
3842.0	4.239	7.300	10.654	0.257	0.845	0.826	1542.126
3844.0	4.182	7.413	10.559	0.263	0.863	0.851	1540.454
3846.0	3.450	6.368	8.768	0.271	0.882	0.873	1538.733
3848.0	3.647	7.004	9.324	0.278	0.899	0.891	1536.976
3850.0	4.127	8.411	10.641	0.289	0.925	0.924	1535.172
3852.0	4.800	9.677	12.358	0.287	0.921	0.920	1533.331
3854.0	4.308	9.679	11.254	0.306	0.975	0.962	1531.457
3856.0	4.693	10.158	12.200	0.300	0.949	0.948	1529.543
3858.0	4.996	10.263	12.896	0.291	0.926	0.927	1527.663
3860.0	4.331	9.118	11.216	0.295	0.938	0.937	1525.806
3862.0	3.970	8.587	10.319	0.300	0.949	0.947	1523.921
3864.0	4.567	10.304	11.938	0.307	0.978	0.964	1522.011
3866.0	5.211	11.091	13.516	0.297	0.942	0.941	1520.106
3868.0	5.216	10.285	13.385	0.283	0.912	0.911	1518.247
3870.0	4.091	9.019	10.661	0.303	0.960	0.955	1516.376
3872.0	4.293	9.993	11.265	0.312	1.002	0.976	1514.456
3874.0	4.188	9.071	10.888	0.300	0.949	0.948	1512.537
3876.0	4.081	8.441	10.543	0.292	0.931	0.930	1510.658
3878.0	3.674	7.273	9.435	0.284	0.913	0.912	1508.810
3880.0	3.953	7.624	10.112	0.279	0.903	0.902	1506.994
3882.0	4.687	9.941	12.152	0.296	0.941	0.940	1505.161
3884.0	4.722	9.789	12.204	0.292	0.932	0.931	1503.292
3886.0	3.673	7.470	9.468	0.289	0.924	0.922	1501.438
3888.0	3.223	5.983	8.380	0.300	0.949	0.942	1499.575
3890.0	4.093	9.718	10.767	0.315	1.017	0.983	1497.655
3892.0	4.173	10.012	10.991	0.317	1.025	0.987	1495.685
3894.0	3.819	8.917	10.025	0.313	1.005	0.977	1493.710
3896.0	3.687	8.218	9.623	0.305	0.969	0.959	1491.777
3898.0	3.485	7.635	9.075	0.302	0.958	0.945	1489.871
3900.0	3.719	7.892	9.642	0.296	0.941	0.940	1487.984
3902.0	3.286	6.840	8.497	0.293	0.933	0.929	1486.114
3904.0	2.859	5.451	7.300	0.277	0.886	0.846	1484.321
3906.0	3.397	5.892	8.549	0.258	0.846	0.822	1482.645
3908.0	3.392	6.260	8.618	0.271	0.875	0.848	1480.981
3910.0	3.868	8.508	10.077	0.303	0.960	0.949	1479.205
3912.0	4.703	10.163	12.224	0.300	0.948	0.947	1477.312
3914.0	4.968	11.383	13.011	0.310	0.990	0.969	1475.394
3916.0	4.513	9.630	11.709	0.297	0.943	0.942	1473.483
3918.0	4.058	8.503	10.503	0.294	0.936	0.935	1471.594
3920.0	4.129	9.172	10.771	0.304	0.970	0.945	1469.723
3922.0	4.741	9.778	12.245	0.291	0.929	0.925	1467.838
3924.0	3.972	7.896	10.205	0.285	0.915	0.914	1465.992

PHILLIPS PETROLEUM COMPANY  
 WILMEX NO. 19

DEPTH (FEET)	SHEAR MODULUS (MODULUS UNITS ARE MILLION PSI)	BULK MODULUS (MODULUS UNITS ARE MILLION PSI)	YOUNG'S MODULUS (MODULUS UNITS ARE MILLION PSI)	POISSON'S RATIO	FRACTURE GRADIENT (PSI/FT)	CLOSURE GRADIENT (PSI/FT)	DIFF. PRESSURE (PSI/FT)
3926.0	4.011	3.865	10.597	0.321	1.044	0.997	1464.104
3928.0	4.602	10.150	11.993	0.303	0.961	0.955	1462.141
3930.0	4.104	8.519	10.608	0.292	0.932	0.931	1460.237
3932.0	4.352	9.639	11.348	0.304	0.964	0.957	1458.350
3934.0	4.864	10.437	12.631	0.298	0.945	0.944	1456.451
3936.0	4.950	10.608	12.851	0.298	0.945	0.941	1454.576
3938.0	4.302	8.902	11.115	0.292	0.931	0.930	1452.702
3940.0	4.551	9.842	11.830	0.300	0.948	0.947	1450.831
3942.0	4.432	9.553	11.514	0.299	0.947	0.946	1448.941
3944.0	4.123	8.893	10.713	0.299	0.947	0.946	1447.050
3946.0	4.488	9.958	11.705	0.304	0.965	0.957	1445.144
3948.0	4.229	9.142	10.991	0.300	0.948	0.947	1443.242
3950.0	3.826	8.463	9.975	0.304	0.963	0.956	1441.346
3952.0	3.807	8.477	9.934	0.305	0.968	0.959	1439.424
3954.0	3.732	8.248	9.728	0.303	0.962	0.956	1437.517
3956.0	3.794	8.351	9.884	0.303	0.959	0.954	1435.600
3958.0	3.965	9.202	10.402	0.312	1.000	0.975	1433.676
3960.0	4.306	9.693	11.252	0.307	0.976	0.963	1431.744
3962.0	4.436	10.013	11.595	0.307	0.979	0.964	1429.812
3964.0	4.240	9.387	11.055	0.304	0.964	0.956	1427.893
3966.0	4.203	9.359	10.968	0.305	0.968	0.959	1425.978
3968.0	4.141	8.869	10.751	0.298	0.945	0.943	1424.074
3970.0	3.665	7.793	9.504	0.297	0.942	0.941	1422.182
3972.0	3.699	7.671	9.541	0.293	0.932	0.923	1420.330
3974.0	4.589	9.265	11.817	0.287	0.921	0.920	1418.482
3976.0	5.611	11.823	14.534	0.295	0.938	0.937	1416.610
3978.0	5.321	11.077	13.759	0.293	0.933	0.932	1414.744
3980.0	3.913	8.257	10.137	0.295	0.939	0.935	1412.882
3982.0	3.599	7.936	9.378	0.303	0.962	0.951	1411.003
3984.0	4.439	9.449	11.513	0.297	0.942	0.941	1409.104
3986.0	4.185	7.363	10.555	0.261	0.865	0.863	1407.279
3988.0	4.284	5.943	10.660	0.244	0.828	0.824	1405.597
3990.0	4.095	7.634	10.421	0.272	0.889	0.889	1403.890
3992.0	3.540	6.262	8.937	0.262	0.856	0.833	1402.154
3994.0	3.248	5.418	8.121	0.250	0.824	0.795	1400.510
3996.0	3.445	5.531	8.558	0.242	0.812	0.793	1398.922
3998.0	3.347	5.173	8.259	0.234	0.793	0.775	1397.351
4000.0	3.452	6.227	8.741	0.266	0.867	0.848	1395.754
4002.0	3.889	8.691	10.153	0.305	0.971	0.959	1393.968
4004.0	3.754	7.720	9.691	0.291	0.929	0.927	1392.092
4006.0	3.656	8.482	9.591	0.312	1.000	0.974	1390.194
4008.0	4.339	10.041	11.378	0.311	0.998	0.973	1388.249
4010.0	4.799	10.761	12.534	0.306	0.974	0.961	1386.323
4012.0	3.924	8.207	10.154	0.294	0.935	0.934	1384.414
4014.0	3.905	7.254	9.932	0.272	0.879	0.855	1382.599
4016.0	4.473	8.811	11.477	0.283	0.911	0.908	1380.844
4018.0	4.267	8.661	10.996	0.288	0.923	0.922	1379.020
4020.0	4.048	8.486	10.478	0.294	0.936	0.935	1377.164
4022.0	4.456	9.199	11.509	0.291	0.930	0.929	1375.296
4024.0	4.458	9.368	11.544	0.295	0.937	0.936	1373.427
4026.0	4.324	8.544	11.100	0.283	0.913	0.912	1371.583

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DEPTH (FEET)	SHEAR MODULUS (MODULUS UNITS ARE MILLION PSI)	BULK MODULUS (MODULUS UNITS ARE MILLION PSI)	YOUNG'S MODULUS (MODULUS UNITS ARE MILLION PSI)	POISSON'S RATIO	FRACTURE GRADIENT (PSI/FT)	CLOSURE GRADIENT (PSI/FT)	DIFF. PRESSURE (PSI/FT)
4028.0	4.278	8.476	10.987	0.284	0.914	0.913	1369.754
4030.0	4.563	9.215	11.750	0.287	0.921	0.920	1367.926
4032.0	4.025	3.775	10.474	0.301	0.952	0.950	1366.054
4034.0	4.366	7.466	11.352	0.300	0.949	0.948	1364.156
4036.0	4.692	10.025	12.177	0.298	0.944	0.942	1362.268
4038.0	5.126	10.748	13.270	0.294	0.936	0.934	1360.383
4040.0	4.207	9.248	10.958	0.303	0.958	0.954	1358.499
4042.0	4.114	8.378	10.607	0.289	0.924	0.918	1356.623
4044.0	4.953	9.905	12.737	0.286	0.917	0.916	1354.807
4046.0	5.434	12.690	14.265	0.313	1.005	0.974	1352.918
4048.0	3.922	8.984	10.271	0.309	0.990	0.970	1350.971
4050.0	3.300	6.187	8.406	0.274	0.887	0.873	1349.099
4052.0	4.114	7.861	10.508	0.277	0.899	0.898	1347.328
4054.0	4.500	8.624	11.499	0.278	0.900	0.900	1345.538
4056.0	4.313	8.166	11.003	0.275	0.896	0.895	1343.731
4058.0	3.855	6.644	9.690	0.257	0.850	0.837	1342.008
4060.0	4.681	8.910	11.950	0.276	0.893	0.878	1340.295
4062.0	3.993	7.852	10.243	0.283	0.911	0.910	1338.508
4064.0	3.388	5.612	8.461	0.249	0.832	0.820	1336.759
4066.0	3.923	7.269	9.974	0.271	0.884	0.876	1335.081
4068.0	4.532	8.844	11.613	0.281	0.908	0.907	1333.303
4070.0	4.014	7.938	10.304	0.284	0.913	0.912	1331.480
4072.0	3.803	7.890	9.831	0.292	0.932	0.928	1329.648
4074.0	3.753	7.991	9.735	0.297	0.942	0.940	1327.780
4076.0	4.068	8.842	10.582	0.301	0.950	0.949	1325.891
4078.0	3.542	6.697	9.033	0.275	0.890	0.872	1324.052
4080.0	3.558	6.504	9.027	0.269	0.873	0.851	1322.325
4082.0	3.771	7.120	9.615	0.275	0.890	0.874	1320.616
4084.0	3.846	7.676	9.887	0.285	0.916	0.914	1318.818
4086.0	3.968	7.533	10.126	0.276	0.896	0.892	1317.020
4088.0	4.163	8.463	10.730	0.289	0.924	0.923	1315.211
4090.0	3.981	7.593	10.166	0.277	0.898	0.897	1313.391
4092.0	3.890	7.769	10.001	0.285	0.917	0.915	1311.581
4094.0	3.979	7.340	10.109	0.270	0.883	0.878	1309.781
4096.0	3.998	7.633	10.212	0.277	0.898	0.894	1308.013
4098.0	3.743	8.727	9.824	0.312	1.004	0.976	1306.161
4100.0	3.558	9.229	9.459	0.329	1.084	1.016	1304.177
4102.0	4.123	9.407	10.792	0.309	0.987	0.968	1192.156
4104.0	5.333	10.895	13.754	0.290	0.926	0.925	1190.256
4106.0	5.647	11.750	14.601	0.293	0.933	0.932	1188.392
4108.0	5.265	11.273	13.667	0.298	0.945	0.943	1186.532
4110.0	4.903	9.984	12.639	0.289	0.923	0.913	1184.667
4112.0	3.694	6.921	9.409	0.273	0.882	0.857	1182.879
4114.0	3.564	7.058	9.153	0.284	0.911	0.899	1181.135
4116.0	3.507	6.425	8.901	0.269	0.877	0.862	1179.371
4118.0	3.676	7.402	9.461	0.287	0.920	0.916	1177.601
4120.0	3.697	7.555	9.536	0.290	0.926	0.924	1175.762
4122.0	3.526	7.400	9.127	0.294	0.935	0.921	1173.924
4124.0	4.236	9.401	11.048	0.304	0.966	0.957	1172.045
4126.0	5.061	10.564	13.092	0.293	0.934	0.932	1170.145
4128.0	5.338	11.183	13.816	0.294	0.936	0.935	1168.285



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4130.0	4.604	3.365	11.867	0.289	0.924	0.923	1166.417
4132.0	3.192	6.759	8.274	0.296	0.938	0.917	1164.558
4134.0	3.820	6.277	9.528	0.247	0.830	0.821	1162.813
4136.0	4.047	6.567	10.072	0.244	0.830	0.827	1161.163
4138.0	3.950	6.600	9.880	0.251	0.842	0.839	1159.501
4140.0	3.666	6.302	9.212	0.256	0.851	0.842	1157.818
4142.0	3.701	7.282	9.495	0.283	0.911	0.910	1156.091
4144.0	4.073	8.512	10.538	0.294	0.935	0.934	1154.247
4146.0	3.885	8.198	10.066	0.295	0.939	0.937	1152.379
4148.0	4.436	9.390	11.497	0.296	0.938	0.916	1150.522
4150.0	4.142	8.318	10.657	0.286	0.913	0.882	1148.709
4152.0	3.588	7.123	9.215	0.284	0.905	0.861	1146.970
4154.0	3.695	7.723	9.559	0.294	0.935	0.929	1145.198
4156.0	3.791	8.446	9.893	0.305	0.968	0.959	1143.312
4158.0	3.358	6.540	8.602	0.281	0.899	0.869	1141.469
4160.0	3.197	6.147	8.175	0.278	0.889	0.845	1139.745
4162.0	3.797	7.227	9.694	0.276	0.891	0.867	1138.037
4164.0	3.674	7.220	9.424	0.282	0.905	0.881	1136.286
4166.0	3.399	6.274	8.638	0.271	0.877	0.856	1134.554
4168.0	3.636	7.836	9.445	0.299	0.948	0.930	1132.771
4170.0	3.324	7.056	8.618	0.296	0.940	0.915	1130.938
4172.0	4.066	9.020	10.613	0.305	0.970	0.960	1129.064
4174.0	4.153	8.947	10.790	0.299	0.947	0.946	1127.158
4176.0	3.548	7.029	9.110	0.284	0.911	0.897	1125.292
4178.0	3.131	5.873	7.976	0.274	0.883	0.856	1123.549
4180.0	3.060	5.002	7.846	0.282	0.900	0.862	1121.827
4182.0	3.530	6.305	8.924	0.264	0.859	0.833	1120.123
4184.0	3.083	5.203	7.723	0.253	0.827	0.791	1118.484
4186.0	3.871	9.595	10.237	0.322	1.050	0.999	1116.714
4188.0	4.756	9.948	12.307	0.294	0.935	0.934	1079.506
4190.0	4.200	9.471	10.977	0.307	0.978	0.963	1077.614
4192.0	5.109	10.891	13.253	0.297	0.943	0.941	1075.707
4194.0	4.460	10.471	11.716	0.314	1.013	0.959	1073.786
4196.0	4.797	10.482	12.486	0.301	0.959	0.935	1071.890
4198.0	5.012	10.819	13.024	0.299	0.948	0.942	1070.015
4200.0	4.800	10.703	12.528	0.305	0.970	0.955	1068.124
4202.0	4.904	11.224	12.841	0.309	0.994	0.948	1066.224
4204.0	5.476	11.892	14.242	0.300	0.950	0.949	1064.319
4206.0	4.897	10.731	12.751	0.302	0.956	0.951	1062.421
4208.0	4.557	9.955	11.862	0.301	0.954	0.949	1060.524
4210.0	5.064	11.126	13.192	0.302	0.958	0.953	1058.623
4212.0	5.273	11.504	13.723	0.301	0.952	0.950	1056.720
4214.0	5.290	11.960	13.832	0.307	0.980	0.964	1054.805
4216.0	4.904	10.691	12.761	0.301	0.953	0.945	1052.890
4218.0	5.226	11.643	13.637	0.305	0.969	0.958	1050.986
4220.0	4.378	9.421	11.371	0.299	0.952	0.916	1049.104
4222.0	5.075	11.175	13.223	0.303	0.961	0.948	1047.249
4224.0	5.331	11.619	13.873	0.301	0.951	0.950	1045.355
4226.0	5.234	11.272	13.597	0.299	0.947	0.945	1043.459
4228.0	4.898	10.887	12.778	0.304	0.967	0.956	1041.560
4230.0	3.590	7.498	9.287	0.294	0.939	0.883	1039.701

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4232.0	4.693	10.354	12.231	0.303	0.967	0.935	1037.905
4234.0	4.107	9.259	10.735	0.307	0.980	0.955	1036.020
4236.0	2.692	4.959	6.839	0.270	0.867	0.814	1034.227
4238.0	2.937	5.882	7.553	0.286	0.930	0.827	1032.586
4240.0	4.891	10.027	12.621	0.290	0.925	0.909	1030.863
4242.0	5.532	10.657	14.149	0.279	0.902	0.898	1029.072
4244.0	5.084	11.049	13.225	0.301	0.950	0.949	1027.220
4246.0	4.475	9.337	11.576	0.293	0.934	0.931	1025.334
4248.0	4.136	9.203	10.790	0.305	0.968	0.958	1023.447
4250.0	4.140	8.538	10.693	0.291	0.929	0.919	1021.554
4252.0	4.615	8.968	11.818	0.280	0.902	0.884	1019.748
4254.0	4.150	7.473	10.505	0.266	0.866	0.844	1018.009
4256.0	4.084	5.813	10.212	0.250	0.833	0.818	1016.344
4258.0	4.033	6.891	10.124	0.255	0.842	0.826	1014.704
4260.0	3.355	5.877	8.457	0.260	0.850	0.823	1013.048
4252.0	2.771	4.937	7.004	0.264	0.850	0.797	1011.423
4264.0	3.755	7.237	9.605	0.279	0.898	0.881	1009.757
4266.0	3.928	7.820	10.095	0.285	0.909	0.879	1008.002
4268.0	3.742	7.204	9.569	0.279	0.893	0.862	1006.253
4270.0	3.508	6.707	8.962	0.277	0.893	0.872	1004.535
4272.0	4.359	8.330	11.135	0.277	0.899	0.897	1002.770
4274.0	4.081	8.199	10.500	0.287	0.915	0.890	1000.980
4276.0	3.933	8.008	10.138	0.289	0.923	0.907	999.191
4278.0	4.503	9.037	11.584	0.286	0.916	0.897	997.376
4280.0	5.311	10.939	13.714	0.291	0.929	0.926	995.553
4282.0	4.343	8.950	11.204	0.290	0.925	0.912	993.709
4284.0	4.674	9.514	12.049	0.289	0.925	0.923	991.887
4286.0	5.453	12.041	14.213	0.303	0.962	0.955	990.020
4288.0	5.210	11.382	13.560	0.301	0.954	0.949	988.116
4290.0	5.570	12.495	14.549	0.306	0.975	0.958	986.212
4292.0	5.531	11.901	14.367	0.299	0.946	0.945	975.899
4294.0	5.626	12.234	14.634	0.301	0.951	0.949	974.004
4296.0	5.643	12.086	14.649	0.298	0.945	0.943	972.111
4298.0	5.188	10.845	13.423	0.294	0.935	0.932	970.236
4300.0	5.367	11.730	13.971	0.301	0.955	0.948	968.357
4302.0	5.066	10.709	13.129	0.296	0.939	0.931	966.476
4304.0	5.262	11.334	13.671	0.299	0.947	0.939	964.606
4306.0	5.244	11.132	13.597	0.296	0.941	0.938	962.726
4308.0	4.799	9.952	12.404	0.292	0.930	0.910	960.872
4310.0	4.477	9.399	11.591	0.294	0.938	0.896	959.054
4312.0	4.913	10.400	12.734	0.296	0.939	0.922	957.258
4314.0	5.130	10.988	13.317	0.298	0.945	0.942	955.397
4316.0	5.310	11.480	13.801	0.300	0.948	0.947	953.509
4318.0	5.521	12.141	14.383	0.303	0.961	0.945	951.621
4320.0	5.587	12.085	14.524	0.300	0.949	0.947	949.473
4322.0	5.413	11.723	14.074	0.300	0.949	0.944	923.849
4324.0	5.206	11.169	13.518	0.298	0.945	0.943	913.505
4326.0	5.205	10.882	13.467	0.294	0.935	0.934	867.355
4328.0	5.149	10.021	13.189	0.281	0.905	0.899	825.314
4330.0	5.392	10.808	13.869	0.286	0.918	0.917	823.499
4332.0	5.107	10.452	13.175	0.290	0.926	0.919	779.913

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4334.0	3.986	7.200	10.096	0.266	0.868	0.847	477.616
4336.0	3.156	4.783	7.761	0.230	0.773	0.740	76.529
4338.0	3.728	5.469	9.114	0.222	0.761	0.736	0.500
4340.0	4.435	5.482	10.835	0.221	0.765	0.746	109.669
4342.0	4.963	8.751	12.523	0.261	0.861	0.850	443.936
4344.0	4.838	8.089	12.101	0.251	0.833	0.816	462.851
4346.0	5.651	11.538	14.575	0.289	0.925	0.921	801.132
4348.0	5.601	11.844	14.516	0.296	0.939	0.937	899.050
4350.0	4.924	11.091	12.868	0.307	0.979	0.954	967.740
4352.0	5.591	12.418	14.584	0.304	0.967	0.955	993.375
4354.0	5.231	11.197	13.579	0.298	0.944	0.934	995.260
4356.0	5.204	11.033	13.492	0.296	0.940	0.928	997.116
4358.0	5.037	11.638	13.117	0.302	0.957	0.947	998.991
4360.0	5.371	11.038	13.864	0.291	0.928	0.927	1000.866
4362.0	5.391	12.487	14.139	0.311	0.999	0.971	1085.195
4364.0	5.019	11.262	13.110	0.306	0.979	0.944	994.384
4366.0	5.218	10.845	13.491	0.293	0.932	0.920	937.448
4368.0	5.441	11.656	14.124	0.298	0.945	0.943	935.588
4370.0	5.459	11.756	14.182	0.299	0.947	0.942	924.817
4372.0	4.625	9.192	11.881	0.285	0.912	0.898	728.472
4374.0	4.207	7.489	10.631	0.263	0.857	0.829	522.983
4376.0	4.309	7.858	10.929	0.268	0.868	0.839	521.316
4378.0	4.779	8.841	12.147	0.271	0.878	0.855	512.127
4380.0	3.599	5.856	8.962	0.245	0.812	0.784	252.942
4382.0	3.122	4.798	7.698	0.233	0.778	0.742	44.281
4384.0	3.513	5.259	8.620	0.227	0.763	0.725	30.702
4386.0	4.859	9.209	12.397	0.276	0.886	0.854	494.467
4388.0	5.597	11.348	14.421	0.288	0.922	0.915	790.874
4390.0	5.593	11.185	14.382	0.286	0.917	0.913	824.736
4392.0	5.037	10.730	13.067	0.297	0.942	0.935	893.305
4394.0	4.767	9.908	12.324	0.293	0.931	0.912	895.153
4396.0	4.733	9.260	12.133	0.282	0.906	0.895	896.952
4398.0	3.774	6.364	9.454	0.252	0.834	0.811	898.635
4400.0	4.378	7.355	10.960	0.252	0.826	0.795	900.234
4402.0	5.445	10.715	13.969	0.283	0.908	0.894	901.948
4404.0	5.642	11.644	14.572	0.291	0.930	0.926	903.777
4406.0	5.199	10.645	13.414	0.290	0.926	0.917	905.620
4408.0	4.812	9.758	12.398	0.288	0.921	0.905	907.440
4410.0	4.228	7.580	10.696	0.265	0.863	0.839	909.170
4412.0	4.932	9.517	12.616	0.279	0.899	0.884	910.898
4414.0	4.702	9.060	12.026	0.279	0.900	0.890	912.679
4416.0	4.131	7.428	10.454	0.265	0.862	0.833	914.389
4418.0	4.875	9.068	12.402	0.272	0.878	0.848	916.072
4420.0	4.707	9.155	12.055	0.281	0.902	0.886	917.827
4422.0	5.295	10.996	13.688	0.293	0.932	0.922	919.627
4424.0	5.190	11.330	13.508	0.301	0.956	0.941	967.496
4426.0	5.515	11.872	14.326	0.299	0.947	0.940	944.820
4428.0	5.017	10.514	12.985	0.294	0.934	0.914	907.722
4430.0	5.381	11.598	13.982	0.299	0.947	0.935	905.879
4432.0	5.230	11.184	13.575	0.298	0.944	0.922	884.447
4434.0	5.169	10.681	13.353	0.292	0.929	0.913	841.672

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DEPTH (FEET)	SHEAR MODULUS (MODULUS UNITS ARE	BULK MODULUS MILLION PSI)	YOUNG'S MODULUS MILLION PSI)	POISSON'S RATIO	FRACTURE GRADIENT (PSI/FT)	CLOSURE GRADIENT (PSI/FT)	DIFF. PRESSURE (PSI/FT)
4435.0	4.729	9.374	12.146	0.284	0.909	0.887	820.470
4438.0	4.814	9.425	12.341	0.282	0.900	0.864	818.727
4440.0	5.492	11.175	14.156	0.289	0.923	0.910	816.955
4442.0	4.931	9.830	12.674	0.285	0.911	0.887	677.380
4444.0	4.532	8.282	11.499	0.269	0.863	0.817	426.969
4446.0	4.364	8.107	11.100	0.272	0.870	0.822	420.441
4448.0	3.907	6.760	9.828	0.258	0.837	0.780	248.430
4450.0	3.898	6.197	9.668	0.240	0.792	0.744	93.754
4452.0	4.516	7.476	11.276	0.249	0.813	0.771	190.829
4454.0	5.341	8.963	13.367	0.251	0.827	0.797	349.059
4456.0	5.217	9.604	13.251	0.270	0.871	0.837	499.959
4458.0	4.781	8.882	12.161	0.272	0.877	0.847	454.758
4460.0	3.874	5.680	9.469	0.222	0.760	0.733	109.408
4452.0	4.385	7.989	11.120	0.268	0.870	0.796	278.990
4454.0	4.534	8.583	11.566	0.275	0.892	0.812	385.537
4466.0	4.864	8.837	12.330	0.267	0.864	0.827	453.924
4468.0	4.926	8.929	12.482	0.267	0.867	0.843	532.184
4470.0	4.290	7.943	10.907	0.271	0.870	0.827	535.678
4472.0	4.971	9.662	12.731	0.280	0.894	0.847	551.164
4474.0	4.295	8.491	11.026	0.284	0.922	0.822	576.954
4476.0	4.437	8.602	11.358	0.280	0.916	0.805	578.571
4478.0	4.999	10.506	12.943	0.295	0.938	0.897	698.128
4480.0	4.906	9.775	12.608	0.285	0.907	0.864	712.925
4482.0	4.749	9.687	12.247	0.289	0.920	0.890	697.063
4484.0	4.056	7.443	10.298	0.269	0.865	0.811	392.865
4486.0	4.262	7.211	10.682	0.253	0.824	0.770	243.856
4488.0	4.176	6.905	10.425	0.248	0.819	0.789	283.690
4490.0	4.265	7.062	10.651	0.249	0.815	0.776	222.304
4492.0	4.814	8.210	12.082	0.255	0.831	0.793	354.153
4494.0	5.150	10.562	13.289	0.290	0.925	0.903	694.458
4496.0	4.134	8.148	10.607	0.283	0.926	0.810	696.156
4498.0	4.934	10.113	12.731	0.290	0.923	0.894	698.450
4500.0	4.912	9.198	12.509	0.273	0.885	0.868	674.933
4502.0	4.900	9.516	12.546	0.280	0.896	0.860	666.272
4504.0	4.925	9.634	12.625	0.282	0.900	0.866	664.551
4506.0	4.824	9.103	12.299	0.275	0.887	0.865	662.819
4508.0	4.782	9.139	12.216	0.277	0.891	0.862	630.754
4510.0	4.417	8.007	11.193	0.267	0.861	0.823	465.261
4512.0	4.587	8.276	11.614	0.266	0.862	0.832	415.586
4514.0	3.669	5.499	9.004	0.227	0.767	0.734	119.072
4516.0	4.361	5.993	10.831	0.242	0.804	0.775	177.735
4518.0	4.603	7.880	11.558	0.256	0.834	0.799	381.239
4520.0	4.732	9.223	12.122	0.281	0.901	0.876	667.321
4522.0	4.582	9.119	11.774	0.285	0.907	0.862	669.055
4524.0	4.521	8.917	11.601	0.283	0.903	0.864	670.790
4526.0	4.674	9.497	12.046	0.289	0.919	0.888	726.518
4528.0	4.754	9.221	12.170	0.280	0.896	0.860	647.747
4530.0	4.441	8.863	11.415	0.285	0.908	0.867	628.749
4532.0	4.068	7.472	10.330	0.270	0.865	0.813	390.403
4534.0	3.804	5.812	9.369	0.231	0.772	0.731	78.437
4536.0	4.836	3.155	12.113	0.252	0.825	0.787	298.166

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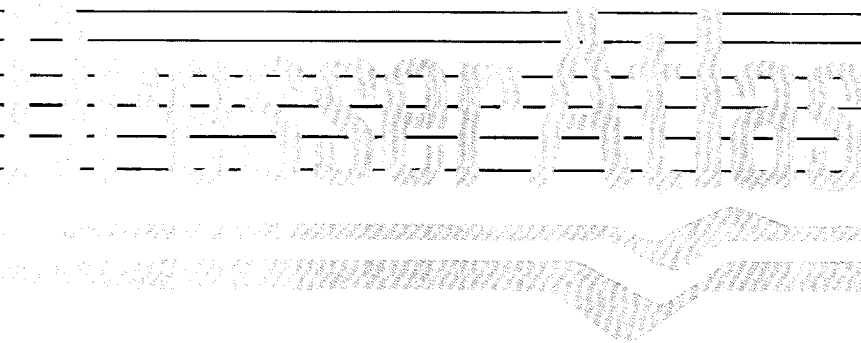
DEPTH (FEET)	SHEAR MODULUS (MODULUS UNITS ARE MILLION PSI)	BULK MODULUS (MODULUS UNITS ARE MILLION PSI)	YOUNG'S MODULUS (MODULUS UNITS ARE MILLION PSI)	POISSON'S RATIO	FRACTURE GRADIENT (PSI/FT)	CLOSURE GRADIENT (PSI/FT)	DIFF. PRESSURE (PSI/FT)
4538.0	5.100	9.380	12.952	0.270	0.875	0.851	575.456
4540.0	3.789	6.814	9.589	0.265	0.858	0.821	395.941
4542.0	2.454	3.584	5.994	0.221	0.763	0.700	157.423
4544.0	2.476	3.344	5.958	0.203	0.729	0.671	156.042
4546.0	2.249	3.299	5.497	0.222	0.781	0.692	154.683
4548.0	2.479	3.403	5.985	0.207	0.737	0.676	153.316
4550.0	2.498	3.554	6.072	0.215	0.754	0.689	151.949
4552.0	3.603	5.402	8.843	0.227	0.780	0.707	150.575
4554.0	4.489	8.221	11.393	0.269	0.869	0.838	482.597
4556.0	4.476	8.459	11.415	0.275	0.879	0.831	490.542
4558.0	4.276	8.281	10.944	0.280	0.907	0.820	490.485
4560.0	4.737	9.957	12.265	0.295	0.946	0.879	660.889
4562.0	4.270	8.407	10.956	0.283	0.917	0.825	500.940
4564.0	4.015	8.416	10.392	0.294	0.966	0.822	467.886
4566.0	3.923	7.930	10.104	0.288	0.942	0.816	433.483
4568.0	3.736	7.072	9.530	0.275	0.900	0.800	345.226
4570.0	3.773	7.222	9.640	0.278	0.920	0.782	320.905
4572.0	3.263	7.175	8.500	0.303	0.991	0.845	500.573
4574.0	3.460	7.276	8.959	0.295	0.976	0.802	408.664
4576.0	4.306	8.909	11.107	0.290	0.945	0.829	484.151
4578.0	4.013	8.197	10.350	0.290	0.952	0.812	448.188
4580.0	3.308	6.581	8.501	0.285	0.948	0.796	392.459
4582.0	3.290	6.611	8.466	0.287	0.953	0.784	290.545
4584.0	5.425	10.132	13.810	0.273	0.891	0.797	367.495
4586.0	5.227	9.844	13.322	0.274	0.881	0.844	539.626
4588.0	4.500	8.748	11.523	0.280	0.897	0.843	541.298
4590.0	3.970	7.217	10.064	0.268	0.865	0.801	542.945
4592.0	4.423	8.818	11.368	0.285	0.910	0.877	644.009
4594.0	5.602	10.442	14.258	0.272	0.895	0.788	395.274
4596.0	4.693	9.277	12.049	0.284	0.912	0.840	496.967
4598.0	4.344	8.444	11.125	0.280	0.904	0.829	510.722
4600.0	3.989	7.823	10.229	0.282	0.920	0.813	453.567
4602.0	4.341	8.628	11.188	0.289	0.936	0.840	562.688
4604.0	4.762	9.704	12.278	0.289	0.919	0.879	737.729
4606.0	4.653	9.463	11.994	0.289	0.920	0.891	789.438
4608.0	4.699	9.501	12.103	0.288	0.915	0.880	791.201
4610.0	4.360	9.212	11.298	0.296	0.947	0.886	792.964
4612.0	4.316	8.544	11.082	0.284	0.906	0.855	794.699
4614.0	4.863	9.937	12.543	0.290	0.921	0.887	796.442
4616.0	5.734	11.961	14.833	0.293	0.933	0.924	942.970
4618.0	5.769	11.725	14.868	0.289	0.923	0.912	944.840
4620.0	5.344	11.608	13.898	0.300	0.953	0.938	990.448
4622.0	5.329	10.744	13.719	0.287	0.920	0.914	904.879
4624.0	5.214	10.314	13.387	0.284	0.907	0.879	832.834
4626.0	5.359	11.047	13.839	0.291	0.927	0.906	831.053
4628.0	4.514	8.666	11.538	0.278	0.889	0.847	609.127
4630.0	4.507	8.833	11.556	0.282	0.912	0.827	510.937
4632.0	4.149	8.223	10.654	0.284	0.914	0.842	578.623
4634.0	3.825	7.409	9.791	0.280	0.909	0.815	451.718
4636.0	4.259	8.573	10.962	0.287	0.935	0.823	493.669
4638.0	4.275	8.664	11.013	0.288	0.923	0.862	609.253

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DEPTH (FEET)	SHEAR MODULUS (MODULUS UNITS)	BULK MODULUS (UNITS ARE MILLION PSI)	YOUNG'S MODULUS (MILLION PSI)	POISSON'S RATIO	FRACTURE GRADIENT (PSI/FT)	CLOSURE GRADIENT (PSI/FT)	DIFF. PRESSURE (PSI/FT)
4640.0	4.226	7.985	10.777	0.275	0.903	0.793	406.104
4642.0	4.067	7.827	10.400	0.279	0.901	0.820	455.551
4644.0	4.234	7.956	10.788	0.274	0.889	0.807	432.697
4646.0	4.321	8.758	11.133	0.288	0.930	0.847	554.738
4648.0	4.343	8.457	11.124	0.281	0.897	0.861	656.725
4650.0	4.342	8.515	11.207	0.290	0.926	0.879	734.702
4652.0	4.244	8.504	10.917	0.286	0.915	0.856	654.760
4654.0	3.972	7.981	10.221	0.287	0.936	0.820	463.872
4656.0	3.682	6.900	9.378	0.273	0.907	0.776	279.890
4658.0	3.698	7.429	9.515	0.287	0.952	0.786	318.327
4660.0	4.040	7.729	10.321	0.277	0.913	0.792	358.886
4652.0	4.060	9.304	10.633	0.310	1.019	0.845	554.727
4664.0	4.048	9.014	10.562	0.305	0.998	0.851	613.500
4666.0	4.179	8.941	10.847	0.298	0.980	0.823	516.518
4668.0	3.727	7.520	9.595	0.287	0.945	0.808	440.717
4670.0	3.906	7.876	10.055	0.287	0.944	0.809	431.064
4672.0	4.120	8.508	10.641	0.292	0.956	0.821	495.360
4674.0	4.045	8.363	10.450	0.292	0.944	0.850	561.130
4676.0	3.793	7.687	9.772	0.288	0.931	0.844	666.602
4678.0	3.922	8.119	10.134	0.292	0.929	0.909	903.891
4680.0	3.499	6.940	8.986	0.284	0.928	0.816	905.597
4682.0	3.240	6.918	8.408	0.297	0.983	0.811	907.195
4684.0	3.581	6.378	9.050	0.263	0.854	0.790	908.794
4686.0	4.204	7.720	10.675	0.270	0.876	0.957	910.449
4688.0	4.399	8.454	11.247	0.278	0.898	0.824	912.137
4690.0	4.342	8.616	11.152	0.284	0.922	0.827	913.784
4692.0	4.377	8.190	11.145	0.273	0.887	0.804	915.406
4694.0	4.711	8.937	12.021	0.276	0.882	0.837	917.054
4696.0	5.122	10.274	13.177	0.286	0.914	0.860	918.760
4698.0	4.995	10.408	12.918	0.293	0.932	0.913	920.544
4700.0	4.564	8.871	11.687	0.280	0.902	0.886	922.336
4702.0	4.543	8.515	11.571	0.274	0.884	0.860	924.070
4704.0	4.785	9.514	12.293	0.285	0.910	0.884	925.821
4706.0	3.955	7.205	10.031	0.268	0.871	0.851	927.566
4708.0	3.706	5.233	9.278	0.252	0.822	0.780	929.157
4710.0	4.078	7.639	10.386	0.273	0.875	0.830	930.776
4712.0	3.811	6.896	9.655	0.267	0.857	0.806	932.419
4714.0	4.125	8.641	10.675	0.294	0.946	0.870	934.102
4716.0	4.216	8.454	10.844	0.286	0.910	0.869	935.847
4718.0	4.244	8.221	10.863	0.280	0.903	0.894	937.610
4720.0	4.200	8.377	10.797	0.285	0.907	0.866	939.366
4722.0	4.152	8.662	10.743	0.294	0.962	0.828	941.048
4724.0	3.982	7.736	10.197	0.280	0.905	0.828	942.708
4726.0	3.725	7.096	9.511	0.277	0.896	0.814	944.342
4728.0	3.627	7.376	9.349	0.289	0.954	0.800	945.958
4730.0	4.100	8.331	10.566	0.289	0.920	0.895	947.658
4732.0	3.774	7.405	9.677	0.282	0.909	0.835	949.382
4734.0	3.447	6.427	8.773	0.273	0.907	0.770	950.968
4736.0	3.356	6.460	8.582	0.279	0.922	0.784	952.521
4738.0	3.066	6.480	7.945	0.296	0.977	0.809	954.112
4740.0	2.959	5.202	7.462	0.261	0.872	0.755	955.674

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DEPTH (FEET)	SHEAR MODULUS (MODULUS UNITS ARE MILLION PSI)	BJLK MODULUS (MODULUS UNITS ARE MILLION PSI)	YDJNG'S MODULUS (MODULUS UNITS ARE MILLION PSI)	POISSON'S RATIO	FRACTURE GRADIENT (PSI/FT)	CLOSURE GRADIENT (PSI/FT)	DIFF. PRESSURE (PSI/FT)
4742.0	2.998	4.473	7.352	0.226	0.795	0.693	957.117
4744.0	3.078	5.995	7.885	0.281	0.944	0.762	958.572
4746.0	3.183	5.871	8.088	0.270	0.910	0.754	960.092
4748.0	3.705	5.918	9.196	0.241	0.828	0.717	961.554
4750.0	4.031	7.393	10.233	0.269	0.888	0.779	963.064
4752.0	3.431	6.398	8.733	0.273	0.903	0.776	992.307
4754.0	3.442	6.752	8.826	0.282	0.938	0.781	990.755
4756.0	3.327	6.170	8.460	0.271	0.897	0.779	989.190
4758.0	3.039	5.251	7.642	0.257	0.872	0.738	987.672
4760.0	3.172	5.416	7.963	0.255	0.869	0.731	986.193
4762.0	3.453	6.908	8.879	0.286	0.952	0.781	984.686
4764.0	3.344	5.412	8.545	0.278	0.927	0.772	983.130
4766.0	3.220	5.023	8.198	0.273	0.906	0.776	981.586
4768.0	3.021	5.862	7.733	0.280	0.933	0.776	980.036
4770.0	3.203	6.559	8.265	0.290	0.967	0.782	978.469



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