GEOLOGICAL SURVEY OF CANADA
COMMISSION GEOLOGIQUE DU CANADA

Open File 3493

ROCK-EVAL/TOC DATA FOR SIX ALBERTA FOOTHILLS WELLS (TOWNSHIPS 23 TO 27 AND RANGES 5W5 TO 7W5)

By

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AUGUST 1997

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Cuttings samples have been analyzed using a Rock-Eval/TOC pyrolysis apparatus on a 30 foot or 10 metre spacing over the depth intervals noted for the six wells listed below from the area near Moose Mountain. The samples for most of the wells are from the Geological Survey of Canada archive set for Alberta wells and therefore a maximum of 100 mg of material is available for any depth. Duplicate or repeat analyses cannot be run if an instrument failure is suspected and thus the data are presented in an unedited form and must be used with caution. Every effort is made to obtain a representative sample from the vial of cuttings, but because of the small sample size, mixed lithology samples may not be completely representative and mixed lithology intervals may yield some scatter in the data. The samples for the well 10-14-23-7W5 were aliquots from large cuttings samples (about 500 ml) collected at the well site specifically for geochemical analysis). Homogeneity of the samples for this set should not be a significant problem because a few grams of material is pulverized (homogenized) and a 100 mg portion used for analysis.

Well name and location	**Depth Range**	
Shell Mobil Bragg 15-7-23-5W5	10	12 680 ft
Shell Chevron Moose 11-12-23-6W5	470	4560 m
Husky Rigel Moose Mtn. 10-14-23-7W5	100	3090 m
Shell PCP Salter 11-14-27-7W5	400	3810 m
Shell PCP Jumping Pound 11-16-26-6W5	400	3860 m
PCP Morley 6-10-26-7W5	4500	11610 ft

Depth units used (feet or metres) are those in which the original well was drilled and logged, and in which the samples are currently labelled. Formation names and depths listed at the end of each well are those in the Alberta Energy Resources Conservation Board files.

Shell Mobil Bragg 15-7-23-5W5

Thermal maturity increases smoothly from the early oil window (about 440°C Tmax or about 0.8% VRo) at 1500 feet (about 450 metres) depth to beyond the oil window (Tmax ≈ 480°C about equal to 1.5% VRo) at a depth of 10,800 feet (about 3300 m). Between the surface and 1500 feet, the Tmax data are somewhat higher than the immediately underlying units and also somewhat more scattered. This is interpreted to be due to the presence of recycled (mature) or reworked (partially oxidized) organic matter. Below about 10,800 feet, the

Tmax values are highly scattered and this is interpreted to be the result of poorly defined S2 peak shapes because of low yield (overmature) and/or the presence of organic contamination in the samples. Production Index (S1/[S1+S2]) values are consistent with the maturity inferred from the Tmax in that the values increase from about .25 in the upper portions of the well to about .50 toward the bottom. The Belly River section (top at about 1928 feet) shows higher Production Index values than the surrounding sections indicating the presence of allogenic or migrated hydrocarbons.

The *total organic carbon* (TOC) content is generally low (< 1%) but with a few notable exceptions. There are a number of high TOC samples (10 to 20%) in the Blairmore and Kootenay groups. These samples are interpreted to contain a significant amount of coaly material. Some of the elevated TOC samples in the Mount Head, Turner Valley and Shunda formations at the bottom of the well (below 12,170 feet) may contain bitumen or organic drilling fluid contaminants.

The *organic matter type* present through most of the well is dominated by higher land plant material (Type III). This interpretation is based on the fact the Hydrogen Index values rarely exceed 200 mg HC/g TOC even though the S2/S3 ratio is very high for samples in the lower portion of the Blackstone Formation and the upper portion of the Blairmore Group. Similarly, there are a number of samples with high S2/S3 ratios in the upper portion of the well (<3800 ft), but these rarely correspond with elevated HI values.

The Rock-Eval/TOC data indicate that the Kootenay and Blairmore groups have significant residual petroleum source potential. Elevated TOC contents and somewhat elevated Hydrogen Index values persist for these units despite the fact that they appear to be at quite a high level of thermal maturity (late oil window). This residual potential results from the presence of organic matter which is apparently unreactive at lower levels of thermal stress.

Shell Chevron Moose 11-12-23-6W5

The absolute level of *thermal maturity* for the deeper portions of this well are very similar to the Bragg 15-7-23-5W5 well discussed above, that is, Tmax is about 480°C (equivalent to about 1.5% VRo) for the Kootenay Group at a depth of about 3500 m. The maturity trend is somewhat different, however, because the Tmax values for the shallower portions of the Moose 11-12 well are somewhat higher than for the comparable interval in the Bragg well. Below 3800 m, the maturity is too high for reliable determination of Tmax because the residual amount of pyrolyzable material is too small to define the shape (and hence top) of the S2 peak.

The *total organic carbon* (TOC) content is below 1% for almost all samples in this well. Exceptions include a few samples in the Wapiabi Formation (650 to 690 m), a few samples in the Kootenay and Fernie groups (3420 to 3540 m), and a single sample in each of the Blackstone Formation (1690 m), Blairmore Group (3070 m), and Exshaw Formation (4145 m). Although contamination of these individual samples with organic matter is certainly possible, elevated TOC contents would be expected within each of these units. Drilling mud contamination would be

expected to affect more than a single sample and thus these higher TOC values probably do reflect a real inhomogeneity in the lithology.

The *organic matter type* indicators (Hydrogen Index, S2/S3 ratio) are similar to those noted in the Bragg 15-7 well. HI values exceed 200 mg HC/g TOC only occasionally, with most of these samples occurring in the Wapiabi and Blackstone formations. The HI value of 820 mg HC/g TOC at 2510 m depth is an artifact resulting from an error in the TOC determination (0.05% compared with values of about 0.40 to 0.60% immediately above and below).

The petroleum source potential for this well must be considered as similar to that for the Bragg 15-7 well discussed above. That is, there is gas generation potential and some residual potential for liquid hydrocarbons mainly associated with the Kootenay Group even though the estimated thermal maturity is quite high (about 1.45% VRo or Tmax $\approx$ 480°C). Again, it is unclear whether the low pyrolysis yields for samples below about 3800 m result from low initial TOC contents or from the inferred high level of thermal maturity. The latter (high maturity) is the preferred interpretation on the basis of the maturity trend established in the shallower parts of the well as well as the single high TOC but low HI sample from the Exshaw Formation.

Husky Rigel Moose Mtn. 10-14-23-7W5

The level of *thermal maturity* cannot be directly determined for the Moose 10-14 well because the Tmax data are either undefined (<400°C) or badly scattered. In general, when the S2 or pyrolyzable hydrocarbon yields are less than about 0.20 mg HC/g rock, the S2 peak shape is too poorly defined to reliably determine the true top (Tmax). The maturity is inferred to be high on the basis of comparison of these results with similar aged rocks in the Bragg 15-7 and Moose 11-12 wells where the Paleozoic section is inferred to be overmature. In addition, organic petrographic analysis of pyrobitumens in selected samples indicates that the maturity in the Cambrian Eldon and Cathedral formations (about 1700 to 2500 m) (L.D. Stasiuk, pers. com.) is equivalent to a vitrinite reflectance of 2.5 to 3.5 % VRo, while the underlying Mississippian Turner Valley Formation is at a maturity equivalent to about 1.1 to 1.5% VRo.

TOC or *total organic carbon* concentrations are also very low (generally less than 0.30%) and this is consistent with the Paleozoic sections in the other two wells in this study. Exceptions include the Exshaw Formation samples (up to 1.31% TOC) and a few samples in the Shunda, Pekisko and Banff formations (up to 0.81%). Lost circulation material including wood chips and plastic appear to be contaminating some of the samples notably at about 600 m depth and possibly in the Waterfowl Lakes Formation (1540 m).

Organic matter type cannot be inferred from the HI and S2/S3 ratio because of the low absolute measured values for S2 and TOC.

The high inferred level of thermal maturity and low TOC contents indicate that none of the units represented in this well have any residual hydrocarbon generation potential. The gas, condensate and oil present in the Turner Valley reservoir in this well must have been derived

through fairly extensive lateral migration. For example, the petroleum may have been sourced laterally from an equivalent of the Kootenay Formation as represented in the Moose 11-12 well or Bragg 15-7 well, or possibly from this or another unit structurally underlying the drilled section but at a lower level of thermal maturity. This last possibility would require that the thermal maturity was established prior to thrusting and not reset subsequent to the thrust emplacement. Rock-Eval/TOC data for a number of other wells in the western part of southern Alberta (Snowdon 1993; 1994) indicate that this is not the norm. That is, in most cases the thermal maturity profile has been established after, and in response to, the thrust emplacement and burial of underlying sections.

Shell PCP Salter 11-14-27-7W5

The *thermal maturity* trend for this well is very similar to the Bragg 15-7 well. Tmax values are about 443°C at the upper part of the well (400 m), equivalent to about 0.8 to 0.9% VRo and increase smoothly (despite the thrust repeated intervals of both Blackstone Formation and Blairmore Group) through to about 3500 m (Tmax > 500°C, equivalent to % VRo > 1.5%) where they become undefined because the S2 peaks are too small to have a well defined top. There is a parallel increase in the Production Index. Both maturation parameters indicate that the section represented by the sample set from this well ranges from about peak oil generation through the oil and condensate generation windows and into the gas window.

Total organic carbon contents are generally quite low but with noteworthy peaks within the Blackstone Formation (1200 to 1400 m) and also over the Kootenay to Fernie interval (3300 to 3500 m). The TOC content decreases through the Blackstone and Blairmore formations with increasing depth, almost certainly in response to increasing thermal maturation.

Organic matter type is indicated to be mainly gas prone with some residual liquid hydrocarbon generation potential in selected intervals with Hydrogen Index values in excess of 200 mg HC/g TOC for some of the shallowest (and hence lowest maturity) samples of the Blackstone. High TOC samples in the Kootenay Group (about 3350 m) also show somewhat elevated HI values (about 185 mg HC/g TOC) despite the inferred very high level of thermal maturity. If these analytical results accurately reflect the rocks (that is, they are not the result of contamination), they indicate that there is some hydrocarbon generation potential residual in these rocks.

Shell PCP Jumping Pound 11-16-26-6W5

The level of *thermal maturity* for this well is similar to that of the Salter 11-14 well over the upper part of the section. However, both the Tmax and Production Index parameters indicate that the thermal maturity for the Jumping Pound 11-26 well is not as high as the Salter 11-14 well for the Blairmore section (below about 2300 m) and deeper. As with the other wells in this group, the thermal maturity increases smoothly with depth through the Mesozoic despite the occurrence of thrust faults, indicating that the thermal maturity has been reset since the thrusting event associated with these repeated sections.

The *total organic carbon* contents for the lower half of the Jumping Pound 11-16 well are noticeably higher than those for equivalent sections in the Salter 11-14 well and this is attributed to the lower level of thermal maturity in the former. The Blairmore Group contains a number of samples with TOC contents above 5% and some of these are associated with Hydrogen Index values above a typical Type III (higher land plant, terrestrial) organic matter. For example, at 2800 m, the TOC content is about 8% and the HI is almost 400 mg HC/g TOC.

The *organic matter type* is mainly gas prone (low to moderate Hydrogen Index) but the Blairmore Group must be considered to have some residual potential for generating liquid hydrocarbons on the basis of elevated Hydrogen Index values for selected samples.

PCP Morley 6-10-26-7W5

Thermal maturity in the Morley 6-10 well is not dissimilar to that in the Jumping Pound 11-16 well. That is, maturity extends beyond the normal oil window in the Blairmore Group and continues to increase through the repeated Fernie section. The lower section of this well (10,750' to 11,700') contains 5 to 8% TOC, depite the inferred high level of thermal maturation (Tmax of about 480°C, higher than 1.6% VRo). The Production Index values this section are very low and this is consistent with the organic matter in the samples being indigenous rather than bitumen staining. The fact that the PI values are lower than the overlying section may be consistent with generated hydrocarbons which would normally have been present in the S1 peak having been expelled.

Despite the inferred high level of maturity, the *total organic carbon* content of the lowermost Fernie section is very high (4 to 8%). In addition, the unit immediately above this section contains 1 to 3% TOC.

The *organic matter type* is generally inferred to be gas prone through the Blairmore and Fernie units with a few Blairmore samples showing somewhat elevated Hydrogen Index values. The high Hydrogen Index values (commonly 300 to 500 mg HC/g TOC) for the deepest section of this well (9900' to T.D.) must be considered as highly unusual given the inferred level of thermal maturity. These high Hydrogen Index values are almost certainly an artifact resulting from an analytical error. Additional analytical work indicates that the lowermost section of this well is dominated by coaly organic matter (TOC exceeding 65% is selected cuttings particles) and it is thus presumed that the combustion of the samples in the Rock-Eval instrument (600°C in air) was incomplete because of the high rank of the coals. The incomplete combustion would yield anomalously low TOC contents and thus erroneously high Hydrogen Index values (HI = 100 * S2/TOC). Clearly, there is an inconsistency between the maturity inferred from Tmax and that inferred from the HI versus OI diagram and this inconsistency is almost certainly the result of TOC estimates that were too low.

Other GSC Rock-Eval/TOC Data Available in GSC Open File Reports

Fowler, M.G. and L.R. Snowdon (1988) Rock-Eval/TOC data from an additional seven wells located within the Jeanne d'Arc Basin, offshore Newfoundland; Geological Survey of Canada Open File Report #1735, 48p.

Fowler, M.G. and L.R. Snowdon (1989) Rock-Eval/TOC data from wells located in the southern Grand Banks and the Jeanne d'Arc basin, offshore Newfoundland; Geological Survey of Canada Open File Report #2025, 37p.

Fowler, M.G., L.R. Snowdon, K.R. Stewart and K.D. McAlpine (1990) Rock-Eval/TOC data from 9 wells located offshore Newfoundland; Geological Survey of Canada Open File Report #2271, 74p.

Fowler, M.G., L.R. Snowdon, K.R. Stewart and K.D. McAlpine (1991) Rock-Eval/TOC data from five wills located within the Jeanne d'Arc Basin, offshore Newfoundland; Geological Survey of Canada Open File Report #2392, 41p.

Leckie, D.A., W.D. Kalkreuth and L.R. Snowdon (1987) Results of Rock-Eval/ TOC analysis of core through the Lower Cretaceous; Monkman Pass area, northeastern British Columbia; Geological Survey of Canada Open File Report #1516, 49p.

Núñez-Betelu, L.K. (1993) Rock-Eval/TOC pyrolysis data from the Bastion Ridge Formation (Upper Albian), Glacier Fiord, Ellesmere Islands, Canadian Arctic; Geological Survey of Canada Open File Report #2687, 11p.

Núñez-Betelu, L.K. (1993) Rock-Eval/TOC pyrolysis data from the Kanguk Formation (Upper Cretaceous), Axel Hieberg and Ellesmere Islands, Canadian Arctic; Geological Survey of Canada Open File Report #2727, 29p.

Riediger, C.L. (1990) Rock-Eval/TOC data from the lower Jurassic "Nordegg Member", and the lower and middle Triassic Doig and Montney formations, Western Canada Sedimentary Basin, Alberta and British Columbia; Geological Survey of Canada Open File Report #2308, 27p.

Snowdon, L.R. and C.L. Riediger (1995) Rock-Eval/TOC data for10 eastern Alberta wells (Townships 25-33 Ranges 1-10W4); Geological Survey of Canada Open File Report.

Snowdon, L.R. and C.L. Riediger (1995) Rock-Eval/TOC data for 19 southern Alberta wells (Townships 7 to 41 and Ranges 15W4 to 3W5); Geological Survey of Canada Open File Report 2990, 125p.

Snowdon, L.R. and M.G. Fowler (1986a) Rock-Eval/TOC data from seven wells located within the Jeanne d'Arc Basin, offshore Newfoundland; Geological Survey of Canada Open File Report #1382, 42p.

Snowdon, L.R. and M.G. Fowler (1986b) Oil Show Analyzer, Rock-Eval and TOC data for six Scotian Shelf wells; Geological Survey of Canada Open File Report #1403, 49p.

Snowdon, L.R. and P.W. Price (1994) Rock-Eval/TOC data for three wells in the Kandik Basin, western Yukon Territory; Geological Survey of Canada Open File Report #2899, 31p.

Snowdon, L.R. (1994) Rock-Eval/TOC data for 10 southwest Alberta wells (Townships 16 to 30 Ranges 2 to 10W5); Geological Survey of Canada Open File Report #2916, 113p.

Snowdon, L.R. (1994) Rock-Eval/TOC data for 13 south-central Alberta wells (Townships 36 to 59 Ranges 3 to 21W5); Geological Survey of Canada Open File Report #2935, 87p.

Snowdon, L.R. (1993) Rock-Eval/TOC results from 14 southwest Alberta wells, Townships 3-26: Ranges 1-8W5; Geological Survey of Canada Open File Report #2670, 190p.

Snowdon, L.R. (1990) Rock-Eval/TOC results from 29 Beaufort-Mackenzie wells; Geological Survey of Canada Open File Report #2192, 209p.

Snowdon, L.R. (1990) Rock-Eval/TOC data for 55 northwest and Yukon Territories wells (60-69 degrees N); Geological Survey of Canada Open File Report #2327, 211p.

Snowdon, L.R. (1988) Petroleum source rock potential and thermal maturation reconnaissance in Eagle Plain, Yukon Territory; Geological Survey of Canada Open File Report #1720, 115p.

Shell Mobil Bragg 15-07-23-5W5 **0 12680 ft**

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
Wapiabi Fm			3925F						
Cardium Fm			5360						
Cardium Ss			5617						
Blackstone Fm			5675						
Blairmore Grp			7905						
Dalhousie Cgl			10285						
Kootenay Grp			10484						
Blairmore Grp			10651						
Calhousie Cgl			11783						
kootenay Grp			11805						
Passage Beds			11961						
Nordegg Mbr			12163						
Mount Head Fm			12172						
Turner Valley Fm			12296						
Shunda Fm			12625						
10	.40	.42	.12	333	.05	.07	.15	17	37
30	.29	.29	.07	431	.02	.05	.21	17	72
60	.24	.50	.10	347	.05	.05	.11	20	45
90	.16	.25	.04	344	.01	.03	.09	18	56
120	.05	1.00	.02	0	.02	.00	.01	0	20
150	.05	.50	.08	0	.04	.04	.01	80	20
180	.03	1.00	.03	0	.03	.00	.01	0	33
210	.11	.30	.10	388	.03	.07	.01	63	9
240	.16	.43	.07	334	.03	.04	.01	25	6
270	.72	.05	.41	449	.02	.39	.01	54	1
300	.50	.10	.31	449	.03	.28	.08	56	16
330	1.44	.03	1.79	444	.05	1.74	.07	120	4
360	.24	.00	.11	453	.00	.11	.01	45	4
390	.09	.00	.01	0	.00	.01	.01	11	11
420	.33	.07	.28	445	.02	.26	.02	78	6
450	.57	.02	.63	440	.01	.62	.01	108	1
480	.21	.00	.16	447	.00	.16	.01	76	4
510	.35	.11	.19	447	.02	.17	.01	48	2
540	.29	.00	.18	444	.00	.18	.01	62	3
570	.17	.15	.13	459	.02	.11	.01	64	5
600	.14	.17	.12	349	.02	.10	.01	71	7
630	.25	.00	.12	443	.00	.12	.01	48	4
660	.73	.06	.48	445	.03	.45	.01	61	1
690	.20	.10	.10	412	.01	.09	.01	45	5
703	.52	.27	1.12	453	.30	.82	.03	157	5
720	.30	.16	.19	444	.03	.16	.01	53	3
750	.38	.16	.25	447	.04	.21	.01	55	2
780	.45	.09	.32	450	.03	.29	.01	64	2
810	.33	.27	.48	438	.13	.35	.26	106	78
840	.59	.12	.41	444	.05	.36	.01	61	1
870	.34	.26	.35	442	.09	.26	.01	76	2
900	.25	.22	.18	447	.04	.14	.01	56	4
930	.38	.18	.33	444	.06	.27	.01	71	2
960	.69	.20	.61	442	.12	.49	.04	71	5
990	.18	.40	.15	440	.06	.09	.01	49	5
1020	.69	.22	.87	440	.19	.68	.11	98	15
1050	1.44	.07	1.79	444	.12	1.67	.14	115	9
1080	.28	.25	.12	456	.03	.09	.03	32	10
1110	.48	.19	.16	449	.03	.13	.06	27	12
1140	.56	.18	.39	443	.07	.32	.02	57	3
1170	1.23	.08	1.13	447	.09	1.04	.09	84	7
1200	.91	.07	.70	446	.05	.65	.35	71	38
1230	2.20	.05	3.74	444	.20	3.54	.39	160	17
1260	.89	.17	.48	450	.08	.40	.15	44	16

Shell Mobil Bragg 15-07-23-5W5 **0 12680 ft**

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
1290	.01	.00	.01	0	.00	.01	.01	100	100
1320	.69	.16	.77	444	.12	.65	.08	94	11
1350	.47	.19	.31	450	.06	.25	.50	53	106
1380	.72	.26	.46	441	.12	.34	.14	47	19
1410	.73	.20	.88	438	.18	.70	.09	95	12
1440	.57	.21	.43	437	.09	.34	.13	59	22
1460	.55	.27	.41	434	.11	.30	.11	54	20
1490	.83	.16	.80	440	.13	.67	.12	80	14
1530	.58	.23	.71	441	.16	.55	.05	94	8
1560	.67	.30	.93	440	.28	.65	.10	97	14
1590	.84	.14	1.52	443	.21	1.31	.32	155	38
1620	.58	.25	1.05	435	.26	.79	.13	136	22
1650	.81	.18	.76	443	.14	.62	.13	76	16
1680	.86	.25	1.28	442	.32	.96	.11	111	12
1700	.72	.32	1.17	439	.38	.79	.17	109	23
1730	.59	.28	.78	442	.22	.56	.09	94	15
1760	.63	.28	.96	439	.27	.69	.20	109	31
1800	.77	.21	1.06	441	.22	.84	.15	109	19
1830	.58	.25	.68	433	.17	.51	.20	87	34
1860	.63	.21	.42	439	.09	.33	.12	52	19
1890	.75	.19	.94	441	.18	.76	.20	101	26
1920	.74	.22	.99	438	.22	.77	.27	104	36
1950	.67	.17	.24	449	.04	.20	.17	29	25
1980	.44	.29	1.72	383	.50	1.22	.42	277	95
2010	.49	.39	.75	439	.29	.46	.11	93	22
2040	.24	.28	.43	398	.12	.31	.08	129	33
2070	.33	.37	1.10	380	.41	.69	.23	209	69
2100	.43	.37	1.86	392	.68	1.18	.41	274	95
2130	.32	.45	.55	392	.25	.30	.08	93	25
2160	1.08	.18	1.53	443	.27	1.26	.06	116	5
2190	.41	.33	.48	443	.16	.32	.04	78	9
2220	.47	.43	1.23	355	.53	.70	.15	148	31
2260	1.20	.21	1.95	443	.40	1.55	.13	129	10
2290	.08	.61	.36	348	.22	.14	.03	175	37
2320	.05	.70	.10	304	.07	.03	.03	60	60
2350	.10	.48	.25	369	.12	.13	.01	130	10
2380	1.07	.54	7.35	361	3.97	3.38	.65	315	60
2400	2.22	.08	6.32	442	.52	5.80	.16	261	7
2410	.11	.59	.22	0	.13	.09	.04	81	36
2440	.26	.45	.47	354	.21	.26	.13	100	50
2470	.83	.22	1.06	441	.23	.83	.09	100	10
2500	.39	.26	.34	446	.09	.25	.03	64	7
2530	.46	.30	.61	443	.18	.43	.03	93	6
2560	.46	.40	1.24	438	.49	.75	.35	163	76
2590	.10	.75	.12	340	.09	.03	.01	30	10
2620	.25	.58	.12	365	.07	.05	.01	20	4
2650	.68	.17	.70	443	.12	.58	.02	85	2
2680	.15	.52	.21	419	.11	.10	.01	66	6
2710	.11	.56	.18	323	.10	.08	.01	72	9
2740	.25	.33	.24	445	.08	.16	.01	64	4
2770	.35	.48	1.00	417	.48	.52	.16	148	45
2800	.82	.15	1.12	448	.17	.95	.03	115	3
2830	.46	.29	.28	467	.08	.20	.01	43	2
2860	.12	.63	.30	355	.19	.11	.01	91	8
2890	.19	.57	.07	324	.04	.03	.01	15	5
2920	.34	.21	.29	446	.06	.23	.01	67	2
2950	.62	.21	.58	445	.12	.46	.01	74	1
2980	.69	.15	.61	448	.09	.52	.01	75	1
3010	.26	.64	.61	398	.39	.22	.09	84	34

Shell Mobil Bragg 15-07-23-5W5 **0 12680 ft**

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
3040	.67	.18	.78	448	.14	.64	.03	95	4
3070	.33	.51	.85	393	.43	.42	.16	127	48
3100	.30	.37	.30	445	.11	.19	.06	63	20
3130	.29	.43	.54	441	.23	.31	.03	106	10
3160	.25	.44	.50	399	.22	.28	.04	112	16
3190	.15	.50	.36	355	.18	.18	.01	119	6
3220	.65	.23	.75	462	.17	.58	.02	89	3
3250	.34	.35	.46	445	.16	.30	.01	88	2
3280	.44	.20	.35	449	.07	.28	.05	63	11
3310	.80	.13	.83	450	.11	.72	.01	90	1
3340	.33	.29	.24	450	.07	.17	.01	51	3
3370	.47	.29	.45	447	.13	.32	.02	68	4
3400	.93	.18	1.12	445	.20	.92	.08	98	8
3430	1.17	.13	1.26	448	.16	1.10	.20	94	17
3460	1.36	.12	2.21	446	.26	1.95	.18	143	13
3490	.50	.24	.62	449	.15	.47	.17	94	34
3510	.44	.34	.64	442	.22	.42	.25	95	56
3550	1.33	.10	1.25	449	.12	1.13	.36	84	27
3580	3.36	.05	9.88	444	.51	9.37	.40	278	11
3610	1.98	.06	5.01	448	.31	4.70	.32	237	16
3640	4.70	.05	14.87	445	.74	14.13	.58	300	12
3670	1.44	.08	3.63	448	.29	3.34	.37	231	25
3700	1.00	.10	1.71	452	.17	1.54	.20	154	20
3730	.99	.09	1.17	451	.11	1.06	.16	107	16
3760	1.03	.10	1.05	452	.10	.95	.42	92	40
3790	.48	.24	.45	450	.11	.34	.08	70	16
3820	.47	.20	.69	449	.14	.55	.07	117	14
3850	1.26	.12	1.46	445	.17	1.29	.13	102	10
3880	3.39	.08	8.39	444	.69	7.70	.69	227	20
3910	.86	.11	1.28	452	.14	1.14	.23	132	26
3940	.62	.08	.65	454	.05	.60	.11	96	17
3970	.79	.14	1.20	453	.17	1.03	.17	130	21
4000	.79	.11	.82	450	.09	.73	.16	92	20
4030	.54	.26	.77	449	.20	.57	.18	105	33
4060	.70	.12	.83	450	.10	.73	.14	104	20
4090	1.98	.10	3.26	450	.33	2.93	.49	147	24
4120	.64	.26	.90	450	.23	.67	.18	104	28
4150	.61	.15	.55	454	.08	.47	.11	77	18
4180	.61	.31	1.02	447	.32	.70	.16	114	26
4210	.69	.17	.69	450	.12	.57	.09	82	13
4240	.78	.15	.96	442	.14	.82	.15	105	19
4270	.55	.24	.88	449	.21	.67	.15	121	27
4300	.91	.18	1.31	448	.23	1.08	.19	118	20
4330	.62	.28	.83	447	.23	.60	.19	96	30
4360	.60	.24	.74	449	.18	.56	.15	93	25
4390	.72	.24	1.01	448	.24	.77	.17	106	23
4420	.65	.22	.85	452	.19	.66	.13	101	20
4450	.62	.26	.81	450	.21	.60	.18	96	29
4480	.93	.14	1.54	448	.21	1.33	.12	143	12
4510	.66	.15	1.09	452	.16	.93	.06	140	9
4540	.79	.23	1.42	447	.33	1.09	.12	137	15
4570	.01	.25	2.05	450	.51	1.54	.19	15400	1900
4660	.87	.19	1.62	450	.30	1.32	.34	151	39
4690	1.77	.13	4.29	447	.56	3.73	1.64	210	92
4720	.72	.25	1.32	451	.33	.99	.38	137	52
4750	.64	.25	1.21	448	.30	.91	.28	142	43
4780	.75	.23	1.36	451	.31	1.05	.31	139	41
4810	.77	.20	1.63	449	.32	1.31	.25	170	32
4840	.57	.23	1.29	452	.30	.99	.19	173	33

Shell Mobil Bragg 15-07-23-5W5 **0 12680 ft**

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
4870	.55	.19	1.57	448	.30	1.27	.18	230	32
4900	6.53	.05	16.11	439	.76	15.35	.84	235	12
4930	2.06	.11	3.03	451	.33	2.70	.47	131	22
4960	.93	.18	1.67	449	.30	1.37	.33	147	35
4990	.64	.26	1.04	453	.27	.77	.23	120	35
5030	.62	.19	1.14	450	.22	.92	.22	148	35
5060	.51	.22	1.08	453	.24	.84	.18	164	35
5110	.58	.17	.83	450	.14	.69	.11	118	18
5140	.66	.23	1.24	452	.28	.96	.15	145	22
5170	1.62	.12	3.24	448	.40	2.84	.32	175	19
5200	.64	.24	1.26	451	.30	.96	.22	150	34
5230	1.45	.10	3.47	448	.35	3.12	.51	215	35
5260	.56	.23	1.16	452	.27	.89	.23	158	41
5290	1.08	.16	2.74	450	.44	2.30	.52	212	48
5320	1.05	.15	2.78	451	.42	2.36	.53	224	50
5350	.60	.19	1.60	455	.31	1.29	.47	214	78
5380	.90	.11	1.82	446	.20	1.62	.37	180	41
5410	.75	.14	.80	453	.11	.69	.32	92	42
5440	.61	.23	.74	459	.17	.57	.42	93	68
5470	.56	.17	.81	451	.14	.67	.27	119	48
5500	.52	.24	.91	455	.22	.69	.29	132	55
5530	.45	.22	1.02	457	.22	.80	.27	177	60
5560	.52	.24	.89	454	.21	.68	.25	130	48
5590	.44	.23	.80	453	.18	.62	.24	140	54
5620	.58	.17	1.11	451	.19	.92	.32	158	55
5650	.32	.25	.56	462	.14	.42	.35	131	109
5680	.45	.20	.66	457	.13	.53	.25	117	55
5710	.55	.26	.78	451	.20	.58	.23	105	41
5740	.53	.23	.92	453	.21	.71	.22	133	41
5770	.55	.19	.77	455	.15	.62	.23	112	41
5800	.49	.17	.75	458	.13	.62	.16	126	32
5830	.40	.25	.61	460	.15	.46	.18	115	45
5860	.38	.21	.76	457	.16	.60	.15	157	39
5890	.44	.25	.92	457	.23	.69	.15	156	34
5920	.60	.24	1.50	458	.36	1.14	.18	190	29
5950	.47	.21	1.10	465	.23	.87	.10	185	21
5980	1.12	.17	1.93	453	.33	1.60	.33	142	29
6010	.92	.16	1.91	454	.31	1.60	.25	173	27
6040	.50	.19	1.20	456	.23	.97	.25	194	50
6070	.41	.25	1.12	456	.28	.84	.31	204	75
6100	.56	.18	1.18	454	.21	.97	.29	173	51
6160	.88	.19	2.25	455	.42	1.83	.52	207	59
6190	.88	.20	1.67	455	.33	1.34	.63	152	71
6220	.83	.29	1.82	460	.52	1.30	.68	156	81
6250	.62	.26	1.44	455	.37	1.07	.63	172	101
6280	.63	.26	1.33	460	.35	.98	.51	155	80
6310	.63	.24	1.09	454	.26	.83	.35	131	55
6340	.88	.20	1.91	462	.39	1.52	.33	172	37
6370	.69	.24	1.53	458	.37	1.16	.25	168	36
6400	.73	.22	1.52	458	.33	1.19	.24	163	32
6430	.73	.25	1.86	459	.46	1.40	.20	191	27
6430	.67	.25	1.49	442	.37	1.12	.18	167	26
6460	.73	.28	1.83	458	.51	1.32	.18	180	24
6490	.84	.28	2.19	456	.61	1.58	.35	188	41
6520	.58	.27	1.40	457	.38	1.02	.16	175	27
6550	.42	.30	1.10	458	.33	.77	.12	183	28
6580	.46	.28	1.01	462	.28	.73	.08	158	17
6610	.53	.23	1.22	460	.28	.94	.13	177	24
6640	.42	.24	.87	456	.21	.66	.09	157	21

Shell Mobil Bragg 15-07-23-5W5 **0 12680 ft**

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
6670	.48	.26	.93	459	.24	.69	.10	143	20
6700	.34	.30	.87	459	.26	.61	.07	179	20
6730	.44	.26	1.28	460	.33	.95	.12	215	27
6760	.46	.23	1.22	461	.28	.94	.13	204	28
6790	.47	.28	1.07	460	.30	.77	.15	163	31
6820	.45	.29	.93	457	.27	.66	.01	146	2
6850	.40	.27	1.01	458	.27	.74	.09	185	22
6880	.55	.27	1.57	458	.43	1.14	.05	207	9
6910	.77	.16	1.50	451	.24	1.26	.05	163	6
6940	.46	.26	.91	457	.24	.67	.03	145	6
6970	.01	.00	.01	0	.00	.01	.01	100	100
7000	.44	.24	1.03	456	.25	.78	.01	177	2
7060	.46	.30	.84	460	.25	.59	.01	128	2
7090	.47	.29	1.05	459	.30	.75	.01	159	2
7120	.81	.27	1.72	458	.46	1.26	.07	155	8
7130	.55	.28	1.18	460	.33	.85	.43	154	78
7150	.78	.28	1.59	453	.45	1.14	.03	146	3
7180	.70	.26	1.75	458	.46	1.29	.10	184	14
7210	.58	.23	1.41	456	.33	1.08	.22	186	37
7240	.53	.28	1.27	460	.35	.92	.06	173	11
7270	.63	.29	1.51	458	.44	1.07	.06	169	9
7300	.59	.28	1.55	462	.43	1.12	.08	189	13
7330	.70	.30	1.58	455	.47	1.11	.07	158	10
7360	.70	.30	1.75	459	.53	1.22	.12	174	17
7390	.51	.27	.97	462	.26	.71	.17	139	33
7420	1.30	.19	2.95	455	.57	2.38	.41	183	31
7450	.77	.25	1.62	460	.40	1.22	.22	158	28
7480	.59	.30	1.32	458	.39	.93	.07	157	11
7510	.47	.29	1.21	458	.35	.86	.04	182	8
7540	.44	.28	.90	461	.25	.65	.01	147	2
7570	.35	.27	.91	459	.25	.66	.01	188	2
7600	.52	.31	1.32	459	.41	.91	.09	175	17
7630	.48	.27	1.16	457	.31	.85	.03	177	6
7660	.59	.25	1.41	449	.35	1.06	.05	179	8
7690	.52	.24	1.15	457	.28	.87	.02	167	3
7720	.54	.27	1.46	457	.40	1.06	.14	196	25
7750	.52	.26	1.48	454	.38	1.10	.16	211	30
7780	.53	.21	.92	456	.19	.73	.12	137	22
7810	.47	.33	1.23	460	.40	.83	.06	176	12
7840	.45	.26	.99	461	.26	.73	.17	162	37
7870	.43	.24	1.14	460	.27	.87	.03	202	6
7900	.44	.27	.95	459	.26	.69	.01	156	2
7930	.35	.28	.81	460	.23	.58	.01	165	2
7960	.26	.25	.63	459	.16	.47	.01	180	3
7990	.36	.38	1.11	452	.42	.69	.20	191	55
8020	.05	.63	.08	315	.05	.03	.04	60	80
8050	.32	.23	.71	460	.16	.55	.01	171	3
8080	.24	.22	.49	456	.11	.38	.01	158	4
8110	.24	.21	.52	458	.11	.41	.01	170	4
8140	.39	.29	.84	459	.24	.60	.06	153	15
8170	.20	.28	.32	455	.09	.23	.16	115	80
8200	.36	.19	.78	454	.15	.63	.01	175	2
8230	.24	.27	.52	461	.14	.38	.01	158	4
8260	.30	.21	.48	451	.10	.38	.30	126	100
8290	.09	.29	.21	456	.06	.15	.01	166	11
8320	.20	.22	.36	461	.08	.28	.01	140	5
8350	.37	.23	.65	453	.15	.50	.01	135	2
8380	.31	.26	.47	464	.12	.35	.40	112	129
8410	.20	.30	.44	460	.13	.31	.06	155	30

Shell Mobil Bragg 15-07-23-5W5 **0 12680 ft**

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
8440	.34	.18	.51	351	.09	.42	1.29	123	379
8470	.15	.33	.27	457	.09	.18	.01	119	6
8500	.14	.33	.18	445	.06	.12	.01	85	7
8520	.15	.25	.16	463	.04	.12	.01	80	6
8550	.21	.28	.18	468	.05	.13	.01	61	4
8580	.35	.29	.63	455	.18	.45	.13	128	37
8610	.23	.22	.51	462	.11	.40	.01	173	4
8650	.15	.43	.21	413	.09	.12	.01	80	6
8680	.31	.29	.35	458	.10	.25	.04	80	12
8710	.23	.29	.35	464	.10	.25	.01	108	4
8740	.20	.37	.30	459	.11	.19	.05	95	25
8770	.16	.35	.26	467	.09	.17	.01	106	6
8800	.34	.37	.60	464	.22	.38	.44	111	129
8830	.29	.22	.41	466	.09	.32	.01	110	3
8860	.20	.22	.23	475	.05	.18	.01	90	5
8890	.33	.25	.53	459	.13	.40	.01	121	3
8920	.51	.24	.86	450	.21	.65	.01	127	1
8950	.35	.25	.76	461	.19	.57	.07	162	20
8980	.15	.19	.21	467	.04	.17	.01	113	6
9010	.25	.21	.38	468	.08	.30	.01	120	4
9040	.17	.36	.28	444	.10	.18	.22	105	129
9070	.34	.24	.29	452	.07	.22	.01	64	2
9100	.33	.21	.75	456	.16	.59	.03	178	9
9120	11.11	.37	52.47	345	19.43	33.04	19.06	297	171
9130	15.26	.37	73.51	345	27.03	46.48	22.76	304	149
9140	15.09	.34	44.52	342	15.10	29.42	19.40	194	128
9160	.44	.18	.71	352	.13	.58	.96	131	218
9190	.19	.00	.16	505	.00	.16	.18	84	94
9220	.30	.19	.63	467	.12	.51	.22	170	73
9250	.69	.13	1.10	472	.14	.96	1.06	139	153
9280	.34	.13	.30	486	.04	.26	.71	76	208
9310	.13	.29	.14	419	.04	.10	.06	76	46
9350	.39	.10	.81	430	.08	.73	.09	187	23
9380	.33	.12	.42	464	.05	.37	.06	112	18
9404	7.09	.08	27.23	439	2.30	24.93	1.85	351	26
9410	.36	.27	1.07	455	.29	.78	.20	216	55
9440	.31	.22	.64	466	.14	.50	.08	161	25
9470	.30	.25	.81	458	.20	.61	.04	203	13
9500	.29	.16	.38	459	.06	.32	.05	110	17
9530	.16	.36	.33	462	.12	.21	.01	131	6
9560	.24	.23	.56	463	.13	.43	.31	179	129
9590	.34	.28	.72	467	.20	.52	.23	152	67
9620	.33	.18	.39	507	.07	.32	.19	96	57
9650	6.14	.29	22.23	347	6.52	15.71	12.10	255	197
9690	1.85	.37	6.49	444	2.39	4.10	3.08	221	166
9720	1.25	.27	3.03	341	.81	2.22	3.78	177	302
9750	1.86	.31	6.05	345	1.90	4.15	5.74	223	308
9750	20.16	.38	109.61	335	42.01	67.60	52.43	335	260
9780	.91	.22	1.72	411	.38	1.34	1.39	147	152
9810	.78	.21	1.54	343	.32	1.22	1.65	156	211
9840	.40	.43	.75	480	.32	.43	.40	107	100
9870	.25	.43	.40	462	.17	.23	.37	92	148
9900	.21	.32	.37	457	.12	.25	.23	119	109
9930	.10	.52	.25	372	.13	.12	.40	120	400
9960	.63	.34	1.04	476	.35	.69	.35	109	55
9990	.28	.36	.39	478	.14	.25	.19	89	67
10020	.56	.21	.99	449	.21	.78	.92	139	164
10050	.49	.24	.74	476	.18	.56	.30	114	61
10080	.61	.27	.90	477	.24	.66	.37	108	60

Shell Mobil Bragg 15-07-23-5W5 **0 12680 ft**

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
10110	.49	.32	.84	477	.27	.57	.38	116	77
10140	.46	.34	.80	479	.27	.53	.81	115	176
10170	.38	.41	.68	479	.28	.40	.22	105	57
10200	.20	.41	.34	479	.14	.20	.18	100	90
10230	.33	.41	.49	481	.20	.29	.40	87	121
10260	.15	.50	.18	455	.09	.09	.11	59	73
10290	.18	.54	.46	375	.25	.21	.52	116	288
10320	.29	.43	.69	483	.30	.39	.38	134	131
10350	.38	.54	1.38	364	.75	.63	1.11	165	292
10380	.56	.34	.91	481	.31	.60	.31	107	55
10410	.16	.52	.33	445	.17	.16	.12	100	75
10440	.30	.63	1.00	419	.63	.37	.58	123	193
10470	.18	.55	.38	445	.21	.17	.21	94	116
10500	2.06	.17	3.22	473	.56	2.66	.76	129	36
10530	1.89	.37	5.13	475	1.89	3.24	.94	171	49
10560	3.16	.22	9.68	473	2.14	7.54	.81	238	25
10590	20.21	.06	58.76	482	3.51	55.25	2.79	273	13
10620	2.34	.14	9.13	484	1.30	7.83	.60	334	25
10650	1.08	.40	3.41	481	1.35	2.06	.42	190	38
10680	.47	.49	1.47	360	.72	.75	.57	159	121
10710	1.12	.20	2.41	483	.49	1.92	.64	171	57
10740	.62	.33	1.46	482	.48	.98	.72	158	116
10770	.71	.36	2.24	489	.81	1.43	.69	201	97
10800	1.18	.60	2.83	329	1.69	1.14	3.00	96	254
10830	.29	.32	.53	496	.17	.36	.27	124	93
10860	.26	.16	.49	502	.08	.41	.07	157	26
10890	.35	.44	.73	423	.32	.41	1.11	117	317
10920	.08	.71	.07	425	.05	.02	.11	25	137
10950	.15	.38	.13	411	.05	.08	.09	53	59
10980	2.49	.40	7.36	331	2.91	4.45	6.27	178	251
11010	.07	.67	.03	398	.02	.01	.22	14	314
11040	.13	.50	.02	0	.01	.01	.09	7	69
11070	.17	.50	.08	341	.04	.04	.16	23	94
11100	.13	.43	.14	0	.06	.08	.03	61	23
11130	.16	.28	.18	462	.05	.13	.02	81	12
11160	.29	.26	.34	489	.09	.25	.08	86	27
11190	.33	.49	.70	419	.34	.36	.31	109	93
11220	.29	.18	.44	486	.08	.36	.07	124	24
11250	.54	.27	1.09	473	.29	.80	.41	148	75
11280	.16	.41	.17	388	.07	.10	.06	62	37
11310	.15	.18	.11	455	.02	.09	.07	59	46
11340	.33	.47	.99	373	.47	.52	.47	157	142
11370	.09	.41	.17	356	.07	.10	.08	111	88
11400	.12	.60	.05	336	.03	.02	.03	16	25
11430	.29	.47	.79	373	.37	.42	.29	144	100
11460	.14	.48	.27	375	.13	.14	.12	100	85
11490	.19	.57	.21	418	.12	.09	.07	47	36
11520	.13	.46	.24	376	.11	.13	.07	100	53
11520	.30	.30	.33	501	.10	.23	.03	76	10
11580	.22	.17	.12	455	.02	.10	.01	45	4
11610	.30	.28	.43	470	.12	.31	.03	103	10
11650	.94	.31	2.16	326	.67	1.49	2.60	158	276
11670	.42	.31	.64	479	.20	.44	.32	104	76
11700	.35	.39	.75	474	.29	.46	.36	131	102
11730	.29	.40	.55	474	.22	.33	.27	113	93
11760	.88	.38	2.34	331	.90	1.44	2.57	163	292
11790	.26	.28	.43	456	.12	.31	.13	119	50
11820	.16	.39	.23	464	.09	.14	.05	87	31
11850	.52	.33	.88	478	.29	.59	.40	113	76

Shell Mobil Bragg 15-07-23-5W5 **0 12680 ft**

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
11880	.50	.29	.69	491	.20	.49	.21	98	42
11910	.93	.23	1.19	487	.27	.92	.20	98	21
11940	.84	.25	1.02	489	.26	.76	.34	90	40
11970	.38	.27	.45	493	.12	.33	.27	86	71
12000	.32	.46	.59	433	.27	.32	.29	100	90
12030	.95	.38	2.05	323	.77	1.28	2.43	134	255
12060	.63	.20	.96	481	.19	.77	.50	122	79
12090	.93	.36	2.19	477	.79	1.40	.82	150	88
12120	5.06	.38	16.50	329	6.35	10.15	9.30	200	183
12150	.72	.28	1.25	486	.35	.90	1.65	124	229
12210	.29	.45	.31	503	.14	.17	.33	58	113
12240	.42	.36	.56	346	.20	.36	1.09	85	259
12270	6.56	.29	17.69	333	5.17	12.52	10.42	190	158
12300	6.97	.49	30.83	332	15.10	15.73	11.28	225	161
12330	.17	.35	.23	373	.08	.15	.87	88	511
12360	.91	.31	3.00	344	.93	2.07	3.43	227	376
12390	.41	.49	1.02	340	.50	.52	1.47	126	358
12420	.22	.15	.13	466	.02	.11	.56	50	254
12450	.08	.50	.16	369	.08	.08	.32	100	400
12480	.03	.00	.01	0	.00	.01	.07	33	233
12510	.06	.67	.18	372	.12	.06	.40	100	666
12540	.74	.26	1.88	342	.48	1.40	3.06	189	413
12570	.20	.39	.31	434	.12	.19	.41	95	205
12600	.24	.24	.46	493	.11	.35	.25	145	104
12630	.06	.80	.10	403	.08	.02	.17	33	283
12660	.04	1.00	.04	0	.04	.00	.03	0	75
12680	.34	.31	.85	343	.26	.59	1.81	173	532

Shell Chevron Moose 11-12-23-6W5 **400 4600 m**

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
Wapiabi Fm			656M						
Cardium Fm			1278						
Blackstone Fm			1372						
Blackstone Fm			1608						
Blairmore Grp			2563						
Blairmore Grp			2948						
Cadomin Fm			3378						
Kootenay Grp			3416						
Fernie Grp			3502						
Mount Head Fm			3551						
Turner Valley Fm			3578						
Shunda Fm			3678						
Pekisko Fm			3732						
Shunda Fm			3753						
Pekisko Fm			3786						
Pekisko Fm			3845						
Banff Fm			3955						
Fernie Grp			4036						
Banff Fm			4076						
Exshaw Fm			4138						
Palliser Fm			4144						
Shunda Fm			4188						
Shunda Fm			4249						
Banff Fm			4380						
Shunda Fm			4387						
Pekisko Fm			4414						
Banff Fm			4503						
470M	.28	.67	.98	364	.66	.32	.36	114	128
480	.45	.27	.51	450	.14	.37	.11	82	24
500	.43	.40	.50	448	.20	.30	.11	69	25
510	.37	.43	.58	407	.25	.33	.06	89	16
520	.27	.48	.27	307	.13	.14	.05	51	18
530	.47	.74	2.15	351	1.60	.55	.25	117	53
540	.31	.54	.68	376	.37	.31	.13	100	41
550	.27	.15	.26	451	.04	.22	.01	81	3
560	.41	.36	.67	447	.24	.43	.10	104	24
570	.33	.23	.40	449	.09	.31	.01	93	3
580	.69	.16	1.07	450	.17	.90	.08	130	11
590	.41	.25	.76	448	.19	.57	.06	139	14
600	.60	.54	2.68	366	1.46	1.22	.35	203	58
610	.52	.53	1.72	405	.91	.81	.37	155	71
620	.48	.40	1.41	445	.57	.84	.26	175	54
630	.63	.40	2.03	448	.82	1.21	.27	192	42
640	.75	.41	2.28	447	.94	1.34	.35	178	46
650	1.38	.20	3.11	454	.62	2.49	.28	180	20
660	1.18	.17	3.08	456	.52	2.56	.29	216	24
670	.79	.34	1.92	453	.66	1.26	.41	159	51
680	.83	.33	2.15	452	.70	1.45	.32	174	38
690	1.00	.33	2.37	454	.79	1.58	.32	158	32
700	.70	.46	2.22	447	1.03	1.19	.32	170	45
710	.55	.30	1.02	452	.31	.71	.17	129	30
720	.56	.30	1.06	451	.32	.74	.18	132	32
730	.57	.27	1.01	451	.27	.74	.17	129	29
740	.53	.29	1.06	453	.31	.75	.15	141	28
750	.56	.28	.85	452	.24	.61	.11	108	19
760	.65	.37	1.55	451	.58	.97	.39	149	60
770	.63	.24	.97	451	.23	.74	.16	117	25
780	.51	.31	1.07	454	.33	.74	.24	145	47
790	.51	.32	.79	452	.25	.54	.14	105	27

Shell Chevron Moose 11-12-23-6W5 **400 4600 m**

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
800	.59	.28	1.57	457	.44	1.13	.43	191	72
810	.69	.21	1.41	456	.29	1.12	.30	162	43
830	.67	.25	1.45	456	.36	1.09	.45	162	67
840	.59	.22	1.43	468	.32	1.11	.37	188	62
850	.68	.21	1.77	462	.37	1.40	.37	205	54
860	.63	.16	2.23	454	.35	1.88	.38	298	60
870	.57	.24	1.38	452	.33	1.05	.65	184	114
880	.68	.25	2.03	451	.51	1.52	.51	223	75
890	.72	.22	2.25	453	.50	1.75	.59	243	81
900	.52	.26	1.56	452	.40	1.16	.55	223	105
910	.68	.23	2.19	452	.50	1.69	.55	248	80
920	.69	.25	2.00	450	.51	1.49	.57	215	82
930	.64	.29	1.80	455	.52	1.28	.64	200	100
940	.61	.23	1.76	452	.40	1.36	.47	222	77
950	.75	.24	2.31	451	.56	1.75	.61	233	81
960	.68	.25	2.15	451	.53	1.62	.64	238	94
970	.62	.26	1.63	452	.42	1.21	.53	195	85
980	.54	.26	1.41	448	.36	1.05	.40	194	74
990	.65	.28	1.70	446	.47	1.23	.39	189	60
1000	.66	.28	1.51	448	.43	1.08	.43	163	65
1010	.63	.30	1.86	447	.55	1.31	.51	207	80
1020	.71	.28	2.04	449	.58	1.46	.53	205	74
1030	.71	.28	2.04	447	.58	1.46	.50	205	70
1040	.71	.25	2.34	445	.58	1.76	.41	247	57
1050	.64	.21	2.23	450	.46	1.77	.20	276	31
1060	.66	.23	2.48	448	.57	1.91	.27	289	40
1070	.64	.26	2.03	448	.53	1.50	.31	234	48
1080	.62	.26	1.93	449	.50	1.43	.33	230	53
1090	.68	.26	1.67	448	.44	1.23	.30	180	44
1100	.55	.28	1.36	450	.38	.98	.25	178	45
1110	.49	.24	.99	450	.24	.75	.33	153	67
1120	.54	.25	1.01	452	.25	.76	.29	140	53
1130	.45	.25	.88	454	.22	.66	.21	146	46
1140	.46	.24	1.16	455	.28	.88	.24	191	52
1150	.48	.27	.95	452	.26	.69	.23	143	47
1210	.51	.26	.87	453	.23	.64	.16	125	31
1240	.59	.27	1.10	456	.30	.80	.21	135	35
1250	.57	.26	1.12	457	.29	.83	.21	145	36
1260	.52	.22	1.10	456	.24	.86	.16	165	30
1270	.56	.22	1.36	456	.30	1.06	.20	189	35
1290	.42	.26	.68	459	.18	.50	.08	119	19
1300	.58	.19	.72	460	.14	.58	.11	100	18
1310	.46	.23	.70	460	.16	.54	.15	117	32
1320	.45	.26	.74	456	.19	.55	.09	122	20
1330	.45	.20	.92	459	.18	.74	.08	164	17
1410	.41	.29	.66	458	.19	.47	.17	114	41
1420	.37	.26	.69	463	.18	.51	.14	137	37
1430	.34	.23	.66	458	.15	.51	.08	150	23
1440	.36	.21	.73	460	.15	.58	.19	161	52
1450	.38	.25	.77	457	.19	.58	.20	152	52
1460	.42	.18	1.19	459	.22	.97	.17	230	40
1470	.39	.21	1.25	460	.26	.99	.17	253	43
1490	.46	.21	1.19	455	.25	.94	.20	204	43
1500	.43	.26	.98	456	.25	.73	.22	169	51
1510	.54	.29	1.04	457	.30	.74	.18	137	33
1520	.56	.30	1.21	457	.36	.85	.23	151	41
1530	.57	.35	1.16	456	.41	.75	.33	131	57
1540	.50	.30	1.08	455	.32	.76	.19	152	38
1550	.49	.31	1.06	455	.33	.73	.20	148	40

Shell Chevron Moose 11-12-23-6W5 **400 4600 m**

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
1570	.43	.25	1.06	458	.26	.80	.09	186	20
1580	.45	.25	.95	455	.24	.71	.13	157	28
1590	.40	.30	.98	459	.29	.69	.25	172	62
1600	.66	.54	2.48	447	1.34	1.14	.50	172	75
1610	.48	.38	1.06	456	.40	.66	.24	137	50
1620	.57	.30	1.15	457	.34	.81	.19	142	33
1630	.62	.23	1.04	452	.24	.80	.20	129	32
1640	.45	.25	.75	457	.19	.56	.17	124	37
1650	.64	.28	1.07	453	.30	.77	.17	120	26
1660	.67	.33	1.35	457	.45	.90	.32	134	47
1670	.60	.34	1.07	459	.36	.71	.28	118	46
1680	.61	.33	1.16	460	.38	.78	.20	127	32
1690	2.34	.04	1.13	413	.05	1.08	.94	46	40
1700	.56	.32	1.12	459	.36	.76	.23	135	41
1710	.61	.33	1.11	459	.37	.74	.19	121	31
1720	.47	.31	.95	458	.29	.66	.15	140	31
1730	.57	.36	.90	461	.32	.58	.17	101	29
1740	.53	.35	.81	462	.28	.53	.13	100	24
1750	.55	.35	1.10	457	.39	.71	.39	129	70
1760	.53	.36	1.02	457	.37	.65	.46	122	86
1770	.50	.28	.96	451	.27	.69	.35	138	70
1780	.50	.33	.87	455	.29	.58	.41	116	82
1790	.44	.26	.69	456	.18	.51	.24	115	54
1800	.58	.32	1.11	453	.35	.76	.31	131	53
1810	.61	.36	1.06	461	.38	.68	.29	111	47
1820	.63	.35	1.26	457	.44	.82	.46	130	73
1830	.58	.33	1.02	460	.34	.68	.29	117	50
1850	.66	.36	1.24	459	.45	.79	.34	119	51
1860	.52	.36	.99	460	.36	.63	.35	121	67
1870	.52	.33	.88	457	.29	.59	.31	113	59
1880	.60	.32	1.03	460	.33	.70	.33	116	54
1890	.59	.29	1.13	457	.33	.80	.19	135	32
1900	.55	.32	.98	455	.31	.67	.18	121	32
1910	.59	.32	1.05	457	.34	.71	.18	120	30
1920	.60	.36	1.08	459	.39	.69	.28	114	46
1930	.63	.35	1.10	462	.39	.71	.23	112	36
1940	.74	.37	1.53	460	.57	.96	.37	129	50
1940	.76	.35	1.67	460	.59	1.08	.36	142	47
1960	.78	.41	1.70	461	.69	1.01	.49	129	62
1970	.77	.34	1.73	459	.59	1.14	.39	148	50
1980	.70	.37	1.52	461	.56	.96	.38	137	54
1990	.62	.36	1.17	462	.42	.75	.23	120	37
2000	.67	.32	1.38	462	.44	.94	.22	140	32
2010	.67	.34	1.19	462	.40	.79	.22	117	32
2020	.63	.34	1.15	463	.39	.76	.19	120	30
2030	.45	.32	.79	462	.25	.54	.09	120	20
2040	.60	.34	1.16	461	.39	.77	.16	128	26
2050	.63	.35	1.13	462	.40	.73	.22	115	34
2060	.65	.34	1.22	461	.42	.80	.22	123	33
2070	.62	.34	1.23	462	.42	.81	.22	130	35
2080	.59	.33	1.19	461	.39	.80	.18	135	30
2090	.59	.33	1.15	461	.38	.77	.18	130	30
2100	.69	.33	1.36	459	.45	.91	.24	131	34
2110	.63	.31	1.13	461	.35	.78	.13	123	20
2120	.62	.29	1.19	462	.35	.84	.11	135	17
2130	.63	.32	1.20	460	.38	.82	.16	130	25
2140	.64	.33	1.29	459	.42	.87	.22	135	34
2150	.50	.33	.91	463	.30	.61	.13	122	26
2160	.58	.32	1.13	462	.36	.77	.15	132	25

Shell Chevron Moose 11-12-23-6W5 **400 4600 m**

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
2170	.53	.31	1.09	464	.34	.75	.11	141	20
2180	.58	.30	1.19	461	.36	.83	.18	143	31
2190	.32	.33	.61	463	.20	.41	.06	128	18
2200	.32	.32	.60	463	.19	.41	.13	128	40
2210	.31	.30	.47	464	.14	.33	.01	106	3
2220	.38	.33	.75	458	.25	.50	.04	131	10
2230	.43	.34	.86	460	.29	.57	.16	132	37
2240	.38	.28	.86	463	.24	.62	.10	163	26
2270	.35	.24	.74	464	.18	.56	.01	160	2
2280	.40	.28	.74	462	.21	.53	.01	132	2
2290	.39	.25	.97	461	.24	.73	.08	187	20
2300	.41	.27	.77	460	.21	.56	.11	136	26
2310	.37	.24	.78	462	.19	.59	.08	159	21
2320	.31	.18	.72	463	.13	.59	.01	190	3
2330	.43	.23	.74	460	.17	.57	.06	132	13
2340	.36	.28	.68	460	.19	.49	.19	136	52
2350	.37	.31	.59	463	.18	.41	.14	110	37
2360	.40	.23	.74	461	.17	.57	.09	142	22
2370	.37	.31	.55	462	.17	.38	.17	102	45
2380	.40	.25	.64	460	.16	.48	.17	120	42
2390	.35	.28	.54	462	.15	.39	.03	111	8
2400	.41	.35	.60	463	.21	.39	.09	95	21
2410	.43	.28	.69	459	.19	.50	.04	116	9
2420	.45	.35	.55	463	.19	.36	.15	80	33
2430	.36	.31	.54	461	.17	.37	.06	102	16
2440	.45	.27	.84	457	.23	.61	.15	135	33
2450	.42	.32	.65	461	.21	.44	.15	104	35
2460	.48	.27	.88	458	.24	.64	.07	133	14
2470	.51	.26	.99	458	.26	.73	.11	143	21
2480	.51	.31	.83	464	.26	.57	.14	111	27
2490	.47	.25	.85	462	.21	.64	.06	136	12
2500	.40	.32	.60	459	.19	.41	.07	102	17
2510	.05	.39	.67	460	.26	.41	.12	820	240
2520	.51	.33	.83	461	.27	.56	.18	109	35
2530	.40	.30	.76	464	.23	.53	.22	132	55
2540	.46	.29	.73	460	.21	.52	.24	113	52
2550	.52	.36	.75	464	.27	.48	.26	92	50
2560	.61	.33	.84	462	.28	.56	.16	91	26
2570	.59	.31	.87	462	.27	.60	.22	101	37
2580	.44	.29	.59	465	.17	.42	.13	95	29
2590	.25	.30	.30	480	.09	.21	.24	84	96
2600	.18	.35	.20	472	.07	.13	.02	72	11
2610	.11	.64	.11	397	.07	.04	.05	36	45
2620	.05	1.00	.03	0	.03	.00	.11	0	220
2630	.10	.42	.12	410	.05	.07	.13	70	130
2640	.10	.70	.10	326	.07	.03	.03	30	30
2650	.15	.36	.25	460	.09	.16	.12	106	80
2660	.26	.25	.20	469	.05	.15	.22	57	84
2670	.25	.35	.48	470	.17	.31	.08	124	32
2680	.05	.38	.08	415	.03	.05	.24	100	480
2690	.08	.50	.04	302	.02	.02	.02	25	25
2700	.09	.56	.09	352	.05	.04	.25	44	277
2710	.03	.67	.03	302	.02	.01	.01	33	33
2720	.13	1.00	.02	0	.02	.00	.01	0	7
2730	.07	1.00	.02	0	.02	.00	.04	0	57
2740	.17	.58	.12	382	.07	.05	.10	29	58
2750	.34	.35	.46	459	.16	.30	.29	88	85
2760	.22	.35	.31	463	.11	.20	.13	90	59
2770	.09	.40	.10	388	.04	.06	.01	66	11

Shell Chevron Moose 11-12-23-6W5 **400 4600 m**

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
2780	.09	.80	.05	0	.04	.01	.01	11	11
2790	.10	1.00	.03	0	.03	.00	.01	0	10
2800	.16	.43	.07	344	.03	.04	.01	25	6
2810	.20	.50	.12	350	.06	.06	.01	30	5
2820	.21	.50	.16	429	.08	.08	.01	38	4
2830	.16	.40	.10	302	.04	.06	.01	37	6
2840	.20	.45	.11	381	.05	.06	.10	30	50
2850	.10	.71	.07	346	.05	.02	.04	20	40
2860	.10	.58	.12	0	.07	.05	.01	50	10
2870	.24	.35	.37	435	.13	.24	.13	100	54
2880	.14	.50	.16	402	.08	.08	.02	57	14
2890	.11	.50	.10	354	.05	.05	.01	45	9
2900	.11	.55	.11	355	.06	.05	.01	45	9
2910	.13	.48	.21	350	.10	.11	.03	84	23
2920	.18	.45	.11	377	.05	.06	.02	33	11
2930	.28	.21	.19	494	.04	.15	.01	53	3
2940	.20	.40	.20	395	.08	.12	.13	60	65
2950	.10	.00	.01	0	.00	.01	.04	10	40
2960	.07	.00	.01	0	.00	.01	.01	14	14
2970	.08	1.00	.02	0	.02	.00	.01	0	12
2980	.14	.36	.14	398	.05	.09	.04	64	28
2990	.22	.35	.23	467	.08	.15	.05	68	22
3000	.12	.80	.05	346	.04	.01	.01	8	8
3010	.04	1.00	.05	0	.05	.00	.01	0	25
3020	.04	1.00	.05	0	.05	.00	.03	0	75
3030	.15	.40	.30	460	.12	.18	.20	119	133
3040	.08	.53	.17	405	.09	.08	.01	100	12
3050	.38	.23	.78	460	.18	.60	.15	157	39
3060	.21	.24	.25	464	.06	.19	.06	90	28
3070	1.34	.06	3.46	467	.21	3.25	.13	242	9
3080	.25	.24	.21	479	.05	.16	.06	64	24
3090	.33	.21	.53	470	.11	.42	.07	127	21
3100	.17	.32	.19	480	.06	.13	.07	76	41
3110	.24	.25	.36	468	.09	.27	.01	112	4
3120	.23	.38	.21	471	.08	.13	.01	56	4
3130	.17	.18	.11	494	.02	.09	.02	52	11
3140	.22	.35	.23	471	.08	.15	.02	68	9
3150	.16	.40	.10	491	.04	.06	.02	37	12
3160	.24	.33	.21	477	.07	.14	.01	58	4
3170	.20	.25	.16	485	.04	.12	.06	60	30
3180	.28	.29	.45	460	.13	.32	.06	114	21
3190	.34	.27	.41	488	.11	.30	.01	88	2
3200	.44	.34	.62	474	.21	.41	.11	93	25
3210	.43	.31	.54	477	.17	.37	.10	86	23
3220	.38	.29	.41	484	.12	.29	.08	76	21
3230	.43	.29	.69	456	.20	.49	.12	113	27
3240	.26	.38	.29	475	.11	.18	.06	69	23
3250	.18	.39	.38	425	.15	.23	.20	127	111
3260	.17	.43	.23	467	.10	.13	.10	76	58
3270	.14	.53	.19	451	.10	.09	.10	64	71
3280	.27	.35	.49	462	.17	.32	.14	118	51
3290	.34	.30	.47	478	.14	.33	.16	97	47
3300	.38	.32	.38	478	.12	.26	.14	68	36
3310	.35	.32	.34	478	.11	.23	.09	65	25
3320	.20	.38	.24	451	.09	.15	.13	75	65
3330	.16	.31	.13	465	.04	.09	.02	56	12
3340	.15	.40	.25	469	.10	.15	.07	100	46
3350	.15	.31	.13	428	.04	.09	.09	59	59
3360	.23	.35	.34	458	.12	.22	.20	95	86

Shell Chevron Moose 11-12-23-6W5 **400 4600 m**

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
3370	.12	.57	.07	467	.04	.03	.10	25	83
3380	.08	.44	.09	381	.04	.05	.03	62	37
3390	.10	.50	.18	373	.09	.09	.05	90	50
3400	.12	.59	.22	358	.13	.09	.06	75	50
3410	.20	.52	.25	470	.13	.12	.03	60	15
3420	1.70	.09	3.99	478	.37	3.62	.22	212	12
3430	.45	.21	.82	474	.17	.65	.13	144	28
3440	1.38	.17	1.44	491	.25	1.19	.26	86	18
3450	.71	.19	.85	499	.16	.69	.34	97	47
3460	7.56	.04	11.97	495	.51	11.46	.77	151	10
3470	1.77	.08	2.36	480	.20	2.16	.14	122	7
3480	.67	.13	.94	487	.12	.82	.13	122	19
3490	1.85	.05	5.37	480	.26	5.11	.34	276	18
3500	.55	.15	.60	481	.09	.51	.20	92	36
3510	.92	.28	1.07	482	.30	.77	.29	83	31
3520	2.14	.18	2.55	486	.45	2.10	.43	98	20
3530	1.93	.10	2.48	484	.24	2.24	.25	116	12
3540	1.10	.11	1.38	484	.15	1.23	.17	111	15
3550	.63	.23	.75	480	.17	.58	.13	92	20
3560	.72	.23	.77	488	.18	.59	.25	81	34
3580	.28	.37	.27	490	.10	.17	.09	60	32
3590	.55	.24	.80	481	.19	.61	.28	110	50
3600	.62	.26	1.00	487	.26	.74	.35	119	56
3610	.34	.18	.44	491	.08	.36	.10	105	29
3620	.14	.36	.11	438	.04	.07	.04	50	28
3630	.05	.67	.06	322	.04	.02	.13	40	260
3640	.17	.09	.32	493	.03	.29	.04	170	23
3650	.41	.27	.81	456	.22	.59	.22	143	53
3660	.18	.36	.28	495	.10	.18	.30	99	166
3670	.64	.10	1.09	488	.11	.98	.10	153	15
3680	.34	.10	.50	497	.05	.45	.05	132	14
3690	.06	.14	.14	497	.02	.12	.03	200	50
3700	.09	.42	.12	391	.05	.07	.04	77	44
3710	.10	.71	.17	352	.12	.05	.15	50	150
3720	.26	.29	.42	488	.12	.30	.12	115	46
3730	.45	.22	.73	465	.16	.57	.18	126	40
3740	.30	.24	.37	487	.09	.28	.09	93	29
3750	.21	.27	.30	490	.08	.22	.12	104	57
3760	.20	.36	.25	490	.09	.16	.14	80	70
3770	.05	.67	.06	452	.04	.02	.03	40	60
3780	.29	.27	.33	470	.09	.24	.14	82	48
3790	.13	1.00	.05	0	.05	.00	.12	0	92
3800	.18	.58	.12	390	.07	.05	.16	27	88
3810	.03	1.00	.04	0	.04	.00	.18	0	600
3820	.08	.80	.05	0	.04	.01	.06	12	75
3830	.03	1.00	.03	0	.03	.00	.03	0	100
3840	.15	1.00	.03	0	.03	.00	.03	0	20
3850	.12	1.00	.05	0	.05	.00	.10	0	83
3860	.13	1.00	.04	0	.04	.00	.11	0	84
3870	.03	1.00	.02	0	.02	.00	.01	0	33
3880	.02	1.00	.03	0	.03	.00	.02	0	100
3890	.07	.80	.15	0	.12	.03	.18	42	257
3900	.02	1.00	.05	0	.05	.00	.08	0	400
3910	.01	.83	.06	302	.05	.01	.08	100	800
3920	.03	.80	.05	0	.04	.01	.05	33	166
3930	.01	.00	.01	0	.00	.01	.01	100	100
3940	.02	.80	.05	370	.04	.01	.04	50	200
3950	.06	.67	.06	0	.04	.02	.01	33	16
3960	.07	.83	.06	0	.05	.01	.04	14	57

Shell Chevron Moose 11-12-23-6W5 **400 4600 m**

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
3970	.07	.86	.07	0	.06	.01	.01	14	14
3980	.10	.75	.12	302	.09	.03	.04	30	40
4000	.17	.81	.21	418	.17	.04	.19	23	111
4010	.24	.74	.23	344	.17	.06	.19	25	79
4020	.19	.61	.18	356	.11	.07	.11	36	57
4030	.15	.50	.16	376	.08	.08	.13	53	86
4040	.09	.81	.16	0	.13	.03	.16	33	177
4050	.10	.87	.15	0	.13	.02	.10	20	100
4060	.10	.88	.17	0	.15	.02	.08	20	80
4070	.09	.80	.15	0	.12	.03	.04	33	44
4080	.22	.81	.26	0	.21	.05	.09	22	40
4090	.17	.73	.22	326	.16	.06	.16	35	94
4100	.12	.77	.13	421	.10	.03	.08	25	66
4110	.16	.71	.21	370	.15	.06	.08	37	50
4120	.14	.89	.09	0	.08	.01	.05	7	35
4130	.15	.71	.14	0	.10	.04	.10	26	66
4140	.13	.67	.12	0	.08	.04	.04	30	30
4145	2.30	.33	.69	416	.23	.46	.01	20	0
4150	.28	.55	.11	395	.06	.05	.01	17	3
4160	.02	.00	.01	0	.00	.01	.01	50	50
4170	.03	.83	.06	415	.05	.01	.19	33	633
4170	.03	1.00	.04	0	.04	.00	.15	0	500
4180	.03	1.00	.02	0	.02	.00	.01	0	33
4190	.03	1.00	.01	0	.01	.00	.01	0	33
4200	.03	1.00	.02	0	.02	.00	.01	0	33
4210	.06	.67	.06	0	.04	.02	.01	33	16
4220	.09	1.00	.05	0	.05	.00	.06	0	66
4230	.09	1.00	.02	0	.02	.00	.01	0	11
4240	.08	1.00	.02	0	.02	.00	.01	0	12
4250	.05	1.00	.16	0	.16	.00	.34	0	680
4260	.28	.85	.73	371	.62	.11	.49	39	175
4270	.23	1.00	.02	0	.02	.00	.05	0	21
4280	.29	1.00	.03	0	.03	.00	.02	0	6
4290	.18	1.00	.01	0	.01	.00	.01	0	5
4300	.12	1.00	.03	0	.03	.00	.07	0	58
4310	.04	1.00	.01	0	.01	.00	.01	0	25
4320	.02	1.00	.01	0	.01	.00	.01	0	50
4330	.15	1.00	.01	0	.01	.00	.01	0	6
4340	.13	1.00	.01	0	.01	.00	.01	0	7
4350	.05	1.00	.04	0	.04	.00	.21	0	420
4360	.07	1.00	.03	0	.03	.00	.10	0	142
4370	.05	1.00	.04	0	.04	.00	.06	0	120
4380	.10	1.00	.02	0	.02	.00	.06	0	60
4390	.08	.80	.05	326	.04	.01	.05	12	62
4400	.02	1.00	.01	0	.01	.00	.01	0	50
4410	.01	.00	.01	0	.00	.01	.01	100	100
4420	.08	1.00	.01	0	.01	.00	.06	0	75
4430	.06	.89	.09	302	.08	.01	.18	16	300
4440	.05	1.00	.02	0	.02	.00	.03	0	60
4450	.05	1.00	.03	0	.03	.00	.04	0	80
4460	.05	.88	.08	0	.07	.01	.12	20	240
4470	.07	1.00	.07	0	.07	.00	.09	0	128
4480	.15	.91	1.17	301	1.06	.11	.52	73	346
4490	.01	.80	.05	301	.04	.01	.14	1001400	
4500	.01	1.00	.03	0	.03	.00	.01	0	100
4510	.05	.83	.06	0	.05	.01	.05	20	100
4520	.08	1.00	.03	0	.03	.00	.01	0	12
4530	.14	.78	.09	0	.07	.02	.04	14	28
4540	.10	.78	.09	0	.07	.02	.04	20	40

Shell Chevron Moose 11-12-23-6W5						400 4600 m			
DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
4550	.21	.69	.13	326	.09	.04	.01	19	4
4560	.25	.74	.19	301	.14	.05	.06	20	24

Husky Rigel Moose Mtn. 10-14-23-7W5 100 3090 m

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
Exshaw Fm			777M						
Wabamun Grp			790						
Calmar Fm			1010						
Nisku Fm			1016						
Ireton Fm			1040						
Leduc Fm			1065						
Duvernay Fm			1322						
Cooking Lake Fm			1327						
Beaver Hill Lake Fm			1355						
Sullivan Fm			1518						
Waterfowl Fm			1530						
Arctomys Fm			1588						
Pika Fm			1599						
Eldon Fm			1719						
Stephen Fm			2090						
Cathedral Fm			2108						
Mount Head Fm			2533						
Turner Valley Fm			2604						
Mount Head Fm			2618						
Turner Valley Fm			2629						
Shunda Fm			2773						
Pekisko Fm			2850						
Banff Fm			3058						
100M	.64	.21	1.10	331	.23	.87	3.15	135	492
110	1.00	.27	3.41	341	.93	2.48	4.25	248	425
120	.38	.53	.57	329	.30	.27	2.20	71	578
130	.11	.00	.01	342	.00	.01	.51	9	463
140	.07	.00	.01	0	.00	.01	.15	14	214
150	.07	.00	.01	0	.00	.01	.14	14	200
160	.98	.49	2.98	325	1.45	1.53	4.26	156	434
170	.14	.00	.01	0	.00	.01	.21	7	150
180	.04	.00	.01	0	.00	.01	.24	25	600
190	.08	.00	.01	0	.00	.01	.58	12	725
200	.48	.38	.80	328	.30	.50	2.85	104	593
210	.02	.00	.01	0	.00	.01	.19	50	950
220	.01	.00	.01	0	.00	.01	.06	100	600
230	.03	.00	.01	0	.00	.01	.20	33	666
240	.01	.00	.01	0	.00	.01	.08	100	800
250	.01	.00	.01	0	.00	.01	.11	1001	100
260	.01	.00	.01	0	.00	.01	.20	1002	000
270	.01	.00	.01	310	.00	.01	.10	1001	000
280	.02	.00	.01	0	.00	.01	.08	50	400
290	.11	.00	.01	305	.00	.01	.50	9	454
300	.04	.00	.01	0	.00	.01	.07	25	175
310	.07	.00	.02	313	.00	.02	.41	28	585
320	.34	.24	.46	332	.11	.35	2.06	102	605
330	.08	.32	.19	404	.06	.13	.68	162	850
550	.05	.10	.39	438	.04	.35	1.41	700	2820
560	.27	.45	.40	392	.18	.22	1.91	81	707
570	.92	.66	2.91	406	1.92	.99	4.87	107	529
580	.89	.57	2.72	337	1.55	1.17	4.02	131	451
590	2.11	.42	6.24	351	2.61	3.63	5.17	172	245
600	.15	.59	.17	371	.10	.07	.58	46	386
610	.12	.00	.02	362	.00	.02	.28	16	233
620	.16	.50	.02	417	.01	.01	.33	6	206
630	.15	1.00	.01	0	.01	.00	.19	0	126
640	.16	1.00	.01	0	.01	.00	.13	0	81
650	.24	.20	.05	358	.01	.04	.72	16	300
660	.16	.50	.02	324	.01	.01	.26	6	162

Husky Rigel Moose Mtn. 10-14-23-7W5 100 3090 m

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
670	.15	.50	.02	0	.01	.01	.23	6	153
680	.17	.67	.03	324	.02	.01	.16	5	94
690	.21	.20	.15	401	.03	.12	.29	57	138
700	.40	.18	.44	340	.08	.36	1.89	90	472
710	.30	.60	.05	388	.03	.02	.22	6	73
720	.34	.50	.04	329	.02	.02	.14	5	41
730	.39	.71	.07	0	.05	.02	.24	5	61
740	.39	.25	.04	344	.01	.03	.11	7	28
750	.28	.20	.15	389	.03	.12	.35	42	125
760	.39	.13	.15	413	.02	.13	.24	33	61
770	.41	.43	.07	420	.03	.04	.23	9	56
780	.68	.33	.06	387	.02	.04	.14	5	20
790	1.31	.29	.14	406	.04	.10	.25	7	19
800	.22	.40	.10	377	.04	.06	.34	27	154
810	.50	.50	.02	315	.01	.01	.22	2	44
820	.23	.17	.06	360	.01	.05	.24	21	104
830	.08	1.00	.01	0	.01	.00	.13	0	162
840	.11	.20	.10	382	.02	.08	.54	72	490
850	.07	.50	.04	0	.02	.02	.26	28	371
860	.11	.20	.05	357	.01	.04	.45	36	409
870	.17	.29	.07	412	.02	.05	.23	29	135
880	.22	.50	.02	333	.01	.01	.20	4	90
890	.05	1.00	.01	0	.01	.00	.22	0	440
900	.08	.25	.04	331	.01	.03	.31	37	387
910	.08	.50	.04	328	.02	.02	.25	25	312
920	.08	.50	.02	329	.01	.01	.18	12	225
930	.13	.50	.04	322	.02	.02	.21	15	161
940	.06	.33	.03	323	.01	.02	.21	33	350
950	.07	.33	.03	310	.01	.02	.27	28	385
960	.04	.00	.01	0	.00	.01	.14	25	350
970	.05	.00	.02	333	.00	.02	.22	40	440
980	.01	.20	.05	337	.01	.04	.21	400	2100
990	.06	.00	.02	325	.00	.02	.24	33	400
1000	.08	.00	.06	434	.00	.06	.24	75	300
1010	.04	.00	.01	0	.00	.01	.13	25	325
1020	.03	.00	.01	0	.00	.01	.08	33	266
1030	.03	.00	.01	0	.00	.01	.15	33	500
1040	.06	.00	.01	0	.00	.01	.14	16	233
1050	.05	.00	.01	0	.00	.01	.27	20	540
1060	.08	1.00	.01	0	.01	.00	.15	0	187
1070	.06	.00	.01	0	.00	.01	.19	16	316
1080	.01	.00	.01	0	.00	.01	.11	1001	100
1090	.03	.00	.01	0	.00	.01	.14	33	466
1100	.02	.00	.01	329	.00	.01	.19	50	950
1110	.02	.00	.02	387	.00	.02	.16	100	800
1120	.04	.00	.26	390	.00	.26	.16	650	400
1130	.24	.36	.11	436	.04	.07	.20	29	83
1140	.29	.50	.08	440	.04	.04	.14	13	48
1150	.18	.40	.05	363	.02	.03	.40	16	222
1160	.16	.40	.05	331	.02	.03	.23	18	143
1170	.20	.56	.09	325	.05	.04	.25	20	125
1180	.15	1.00	.01	0	.01	.00	.28	0	186
1190	.16	.67	.03	335	.02	.01	.29	6	181
1200	.16	1.00	.01	0	.01	.00	.15	0	93
1210	.19	.50	.06	417	.03	.03	.42	15	221
1220	.28	.45	.11	443	.05	.06	.36	21	128
1230	.23	.50	.06	367	.03	.03	.41	13	178
1240	.77	.75	.04	326	.03	.01	.50	1	64
1250	.37	1.00	.02	0	.02	.00	.23	0	62

Husky Rigel Moose Mtn. 10-14-23-7W5 100 3090 m

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
1260	.27	.60	.05	319	.03	.02	.35	7	129
1270	.28	1.00	.02	0	.02	.00	.33	0	117
1280	.23	.50	.04	329	.02	.02	.39	8	169
1290	.24	.17	.06	394	.01	.05	.60	20	250
1300	.26	.14	.07	408	.01	.06	.35	23	134
1310	.54	.17	.12	392	.02	.10	.70	18	129
1320	.49	.29	.07	420	.02	.05	.44	10	89
1330	.27	.25	.04	351	.01	.03	.44	11	162
1340	.29	.50	.02	418	.01	.01	.32	3	110
1350	.33	.17	.06	347	.01	.05	.46	15	139
1360	.20	.00	.01	0	.00	.01	.26	5	130
1370	.21	.30	.10	418	.03	.07	.37	33	176
1380	.19	.27	.15	384	.04	.11	.68	57	357
1390	.14	.15	.20	375	.03	.17	.84	121	600
1400	.12	.22	.09	390	.02	.07	.73	58	608
1410	.14	.33	.03	354	.01	.02	.51	14	364
1420	.12	.67	.06	324	.04	.02	.21	16	175
1430	.08	.67	.09	339	.06	.03	.32	37	400
1440	.09	.50	.04	0	.02	.02	.32	22	355
1450	.14	.40	.05	379	.02	.03	.46	21	328
1460	.27	.26	1.06	338	.28	.78	2.94	288	1088
1470	.16	.15	.27	380	.04	.23	1.33	143	831
1480	.11	.40	.05	391	.02	.03	.60	27	545
1490	.17	.38	.13	387	.05	.08	.93	47	547
1500	.14	1.00	.02	0	.02	.00	.59	0	421
1510	.04	.00	.06	373	.00	.06	.89	1502	225
1520	.05	.00	.01	0	.00	.01	.16	20	320
1530	.09	.00	.09	372	.00	.09	.94	991	044
1540	.68	.39	2.26	350	.89	1.37	2.47	201	363
1550	.07	.00	.08	434	.00	.08	.48	114	685
1560	.02	.00	.01	0	.00	.01	.44	502	200
1570	.01	.00	.01	0	.00	.01	.43	1004	300
1580	.15	.46	.26	399	.12	.14	1.07	93	713
1590	.03	.00	.01	0	.00	.01	.69	332	300
1600	.12	.00	.05	348	.00	.05	.66	41	550
1610	.08	.00	.01	0	.00	.01	.21	12	262
1620	.19	.26	.86	320	.22	.64	2.64	336	1389
1630	.06	.00	.01	0	.00	.01	.24	16	400
1640	.09	.00	.06	394	.00	.06	.81	66	899
1650	.17	.18	.92	361	.17	.75	2.71	441	1594
1660	.11	.09	.47	323	.04	.43	2.60	390	2363
1670	.19	.08	.90	384	.07	.83	3.01	436	1584
1680	.28	.08	1.95	393	.16	1.79	3.76	639	1342
1690	.06	.00	.01	0	.00	.01	.77	161	283
1700	.21	.28	.67	399	.19	.48	2.64	228	1257
1710	.26	.13	1.47	392	.19	1.28	3.64	492	1400
1720	.66	.52	1.41	417	.73	.68	5.45	103	825
1730	.11	.00	.12	396	.00	.12	1.63	109	1481
1740	.24	.03	1.09	386	.03	1.06	2.78	441	1158
1750	.10	.00	.01	390	.00	.01	.64	10	640
1760	.22	.16	1.28	359	.20	1.08	3.12	490	1418
1770	.06	.00	.04	325	.00	.04	.33	66	550
1780	.06	.00	.03	379	.00	.03	.31	50	516
1790	.17	.20	.97	399	.19	.78	2.51	458	1476
1800	.19	.08	.85	398	.07	.78	2.69	410	1415
1810	.08	.00	.04	470	.00	.04	.46	50	575
1820	.21	.05	1.26	395	.06	1.20	2.63	571	1252
1830	.22	.09	2.10	402	.18	1.92	3.25	872	1477
1840	.07	.07	.15	443	.01	.14	.61	200	871

Husky Rigel Moose Mtn. 10-14-23-7W5 100 3090 m

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
1850	.05	.00	.06	364	.00	.06	.38	120	760
1860	.08	.00	.12	378	.00	.12	.65	150	812
1870	.11	.18	.11	365	.02	.09	.57	81	518
1880	.08	.00	.05	370	.00	.05	.19	62	237
1890	.08	.00	.09	436	.00	.09	.23	112	287
1900	.06	.00	.03	311	.00	.03	.22	50	366
1910	.07	.00	.04	355	.00	.04	.30	57	428
1920	.04	.00	.01	319	.00	.01	.20	25	500
1930	.06	.00	.05	364	.00	.05	.28	83	466
1940	.08	.00	.07	356	.00	.07	.40	87	500
1950	.06	.00	.10	398	.00	.10	.56	166	933
1960	.14	.13	.08	350	.01	.07	.43	50	307
1970	.11	.07	.15	400	.01	.14	.79	127	718
1980	.09	.00	.11	423	.00	.11	.73	122	811
1990	.13	.05	.22	405	.01	.21	1.04	161	800
2000	.14	.10	.31	398	.03	.28	1.40	200	1000
2010	.05	.00	.03	410	.00	.03	.40	60	800
2020	.06	.00	.01	365	.00	.01	.22	16	366
2030	.13	.11	.18	373	.02	.16	.94	123	723
2040	.10	.00	.06	429	.00	.06	.66	60	660
2050	.09	.00	.06	415	.00	.06	.52	66	577
2060	.09	.20	.05	348	.01	.04	.57	44	633
2070	.22	.14	.57	395	.08	.49	1.41	222	640
2080	.15	.07	.14	436	.01	.13	.77	86	513
2090	.07	.00	.01	0	.00	.01	.19	14	271
2100	.06	.00	.01	0	.00	.01	.17	16	283
2110	.05	.00	.07	414	.00	.07	.22	140	440
2120	.16	.08	.79	391	.06	.73	1.42	456	887
2130	.07	.00	.05	437	.00	.05	.45	71	642
2140	.06	.00	.05	437	.00	.05	.61	83	1016
2150	.07	.00	.08	439	.00	.08	.55	114	785
2160	.08	.00	.08	427	.00	.08	.79	100	987
2170	.13	.06	.16	410	.01	.15	.94	115	723
2180	.12	.10	.21	397	.02	.19	1.18	158	983
2190	.08	.10	.10	414	.01	.09	.85	112	1062
2200	.22	.15	1.01	395	.15	.86	1.98	390	900
2210	.15	.09	.35	392	.03	.32	1.65	213	1100
2220	.20	.21	.78	396	.16	.62	2.11	310	1054
2230	.18	.17	.35	405	.06	.29	1.75	161	972
2240	.08	.00	.04	393	.00	.04	.64	50	800
2250	.22	.02	.83	388	.02	.81	1.74	368	790
2260	.11	.00	.19	436	.00	.19	.83	172	754
2270	.16	.16	.37	398	.06	.31	1.49	193	931
2280	.18	.29	.35	405	.10	.25	1.71	138	949
2290	.08	.14	.07	420	.01	.06	.66	75	825
2300	.10	.10	.10	427	.01	.09	1.00	90	1000
2310	.07	.00	.01	391	.00	.01	.21	14	300
2320	.21	.27	.90	404	.24	.66	1.87	314	890
2330	.18	.20	.56	402	.11	.45	1.97	249	1094
2340	.15	.07	.45	408	.03	.42	1.48	280	986
2350	.08	.10	.10	436	.01	.09	.56	112	700
2360	.26	.06	1.59	394	.10	1.49	2.06	573	792
2370	.19	.10	.73	400	.07	.66	1.74	347	915
2380	.05	.00	.03	346	.00	.03	.40	60	800
2390	.12	.06	.31	396	.02	.29	1.22	241	1016
2400	.08	.37	.19	417	.07	.12	.72	150	900
2410	.08	.00	.04	368	.00	.04	.37	50	462
2420	.10	.17	.06	367	.01	.05	.47	50	470
2430	.10	.00	.07	373	.00	.07	.47	70	470

Husky Rigel Moose Mtn. 10-14-23-7W5 100 3090 m

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
2440	.11	.04	.24	410	.01	.23	.82	209	745
2450	.21	.16	.83	392	.13	.70	1.95	333	928
2460	.13	.09	.32	395	.03	.29	1.51	223	1161
2470	.08	.14	.07	425	.01	.06	.37	75	462
2480	.09	.17	.06	329	.01	.05	.32	55	355
2490	.08	.00	.02	0	.00	.02	.32	25	400
2500	.19	.22	.41	402	.09	.32	1.32	168	694
2510	.09	.00	.04	426	.00	.04	.44	44	488
2520	.10	.00	.09	438	.00	.09	.66	90	660
2530	.07	.00	.04	365	.00	.04	.37	57	528
2540	.09	.00	.08	434	.00	.08	.48	88	533
2550	.14	.20	.05	365	.01	.04	.33	28	235
2560	.17	.14	.14	417	.02	.12	.74	70	435
2570	.14	.25	.04	408	.01	.03	.87	21	621
2580	.16	.33	.06	334	.02	.04	.37	25	231
2590	.08	.00	.01	0	.00	.01	.23	12	287
2600	.09	.25	.04	329	.01	.03	.19	33	211
2610	.30	.64	1.61	368	1.03	.58	1.24	193	413
2620	.18	.64	.59	347	.38	.21	.71	116	394
2630	.35	.51	1.38	374	.70	.68	1.20	194	342
2640	.07	.33	.03	335	.01	.02	.25	28	357
2650	.06	.20	.10	374	.02	.08	.32	133	533
2660	.20	.22	.86	381	.19	.67	1.18	335	589
2670	.29	.68	1.38	403	.94	.44	.96	151	331
2680	.10	.43	.14	387	.06	.08	.55	80	550
2690	.11	.38	.34	391	.13	.21	1.36	190	1236
2700	.12	.23	.35	402	.08	.27	1.25	225	1041
2710	.08	.04	.26	399	.01	.25	.82	312	1025
2720	.04	.00	.03	351	.00	.03	.39	75	975
2730	.04	.00	.02	320	.00	.02	.25	50	625
2740	.19	.07	.27	412	.02	.25	.97	131	510
2750	.08	.25	.16	403	.04	.12	1.02	150	1275
2760	.07	.25	.08	394	.02	.06	.92	85	1314
2770	.29	.52	.89	420	.46	.43	2.11	148	727
2780	.66	.34	5.37	321	1.82	3.55	4.07	537	616
2790	.20	.38	1.06	391	.40	.66	2.16	330	1080
2800	.20	.26	.62	392	.16	.46	2.27	230	1135
2810	.13	.20	.25	407	.05	.20	1.70	153	1307
2820	.20	.24	.72	393	.17	.55	2.27	275	1135
2830	.22	.20	1.11	398	.22	.89	2.40	404	1090
2840	.13	.40	.10	356	.04	.06	.71	46	546
2850	.27	.25	.20	395	.05	.15	1.01	55	374
2860	.22	.29	.07	402	.02	.05	.75	22	340
2870	.17	.27	.15	416	.04	.11	.68	64	400
2880	.21	.17	.47	393	.08	.39	1.32	185	628
2890	.11	.33	.12	412	.04	.08	.50	72	454
2910	.20	.31	.29	409	.09	.20	1.22	100	610
2920	.16	.14	.22	407	.03	.19	.90	118	562
2930	.12	.31	.13	399	.04	.09	.46	75	383
2940	.20	.39	.31	405	.12	.19	.96	95	480
2950	.52	.34	2.28	389	.77	1.51	2.90	290	557
2960	.28	.38	.66	418	.25	.41	1.97	146	703
2970	.37	.24	1.74	410	.41	1.33	2.63	359	710
2980	.13	.09	.35	387	.03	.32	1.19	246	915
2990	.21	.27	.30	420	.08	.22	1.03	104	490
3000	.10	.30	.10	382	.03	.07	.48	70	480
3010	.13	.41	.22	423	.09	.13	.72	100	553
3020	.81	.24	6.39	366	1.52	4.87	4.24	601	523
3030	.51	.18	3.75	406	.66	3.09	2.88	605	564

Husky Rigel Moose Mtn. 10-14-23-7W5 100 3090 m

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
3040	.35	.29	1.11	404	.32	.79	2.17	225	620
3050	.13	.09	.33	398	.03	.30	1.16	230	892
3060	.29	.09	1.41	387	.13	1.28	1.96	441	675
3070	.01	.00	.01	0	.00	.01	.68	100	6800
3080	.31	.33	.95	399	.31	.64	1.31	206	422
3090	.18	.32	.19	407	.06	.13	.64	72	355

Shell PCP Salter 11-14-27-7W5 **400 3810 m**

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
Cardium SD			703M						
Blackstone Fm.			738						
Fault			1380						
Blackstone Fm.			1380						
Blairmore Grp.			2185						
Fault			2485						
Blairmore Grp.			2485						
Cadomin Fm.			3194						
Kootenay Grp.			3229						
Fault			3251						
Cadomin Fm.			3251						
Kootenay Grp.			3272						
Passage Beds			3372						
Fernie Grp.			3391						
Nordegg Mbr.			3496						
Turner Valley Fm.			3542						
Shunda Fm.			3650						
Pekisko Fm.			3695						
460M	.56	.20	1.40	444	.28	1.12	.36	200	64
470	.62	.16	1.44	443	.23	1.21	.04	195	6
480	.76	.15	2.25	442	.33	1.92	.01	252	1
490	.67	.13	1.69	445	.22	1.47	.01	219	1
500	.57	.14	1.23	445	.17	1.06	.01	185	1
510	.59	.13	.89	443	.12	.77	.01	130	1
520	.61	.14	1.33	444	.18	1.15	.01	188	1
530	.58	.15	1.16	445	.17	.99	.01	170	1
540	.61	.14	1.45	445	.21	1.24	.01	203	1
550	.62	.14	1.52	443	.22	1.30	.01	209	1
560	.66	.13	1.43	443	.18	1.25	.01	189	1
570	.52	.22	.77	443	.17	.60	.01	115	1
580	.65	.19	1.08	443	.20	.88	.01	135	1
590	.01	.00	.01	0	.00	.01	.01	100	100
600	.78	.18	1.29	443	.23	1.06	.10	135	12
610	.56	.13	.95	450	.12	.83	.05	148	8
620	.69	.15	1.42	445	.22	1.20	.01	173	1
630	.68	.13	1.20	446	.16	1.04	.01	152	1
640	.64	.15	1.70	448	.26	1.44	.01	225	1
650	.63	.14	1.38	447	.20	1.18	.01	187	1
660	.77	.22	1.79	444	.39	1.40	.01	181	1
670	.73	.14	1.80	446	.25	1.55	.01	212	1
680	.83	.14	2.25	448	.31	1.94	.01	233	1
690	.85	.16	2.37	447	.37	2.00	.01	235	1
700	.78	.15	2.10	447	.31	1.79	.01	229	1
710	.77	.14	2.09	448	.29	1.80	.01	233	1
720	.60	.28	1.87	447	.52	1.35	.37	224	61
730	.46	.13	.54	451	.07	.47	.01	102	2
740	.57	.14	.84	452	.12	.72	.01	126	1
750	.64	.16	.93	448	.15	.78	.01	121	1
760	.55	.25	1.31	447	.33	.98	.01	178	1
770	.57	.23	1.37	447	.31	1.06	.01	185	1
780	.64	.24	2.07	448	.50	1.57	.05	245	7
790	.67	.30	2.15	411	.64	1.51	.15	225	22
800	.60	.25	1.28	447	.32	.96	.05	160	8
810	.55	.19	.89	450	.17	.72	.01	130	1
820	.39	.14	.77	454	.11	.66	.01	169	2
830	.46	.22	.83	452	.18	.65	.01	141	2
840	.47	.34	1.31	331	.44	.87	.04	185	8
850	.41	.20	.59	453	.12	.47	.01	114	2
860	.37	.18	.44	459	.08	.36	.02	97	5

Shell PCP Salter 11-14-27-7W5 **400 3810 m**

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
870	.41	.20	.49	453	.10	.39	.01	95	2
880	.41	.20	.49	453	.10	.39	.01	95	2
890	.48	.18	.51	455	.09	.42	.01	87	2
900	.49	.17	.63	447	.11	.52	.01	106	2
910	.40	.16	.64	455	.10	.54	.01	135	2
920	.44	.18	1.45	418	.26	1.19	.05	270	11
930	.55	.14	1.52	449	.22	1.30	.01	236	1
940	.63	.22	1.01	452	.22	.79	.01	125	1
950	.76	.20	1.38	451	.28	1.10	.01	144	1
960	.75	.15	1.46	450	.22	1.24	.01	165	1
970	.72	.20	1.22	450	.24	.98	.01	136	1
980	.71	.19	1.32	451	.25	1.07	.01	150	1
990	.65	.19	1.23	453	.23	1.00	.01	153	1
1000	.70	.15	1.98	450	.29	1.69	.20	241	28
1010	.81	.26	1.35	452	.35	1.00	.23	123	28
1020	.76	.16	1.61	452	.26	1.35	.01	177	1
1030	.88	.22	1.53	452	.33	1.20	.01	136	1
1040	.85	.22	1.42	452	.31	1.11	.01	130	1
1050	.84	.21	1.38	451	.29	1.09	.01	129	1
1060	.75	.23	1.54	451	.35	1.19	.01	158	1
1070	.64	.34	.83	454	.28	.55	.05	85	7
1080	.74	.21	1.27	452	.27	1.00	.03	135	4
1090	.78	.24	1.55	452	.37	1.18	.02	151	2
1100	.74	.24	1.16	452	.28	.88	.05	118	6
1110	.76	.29	1.40	452	.41	.99	.02	130	2
1120	.75	.24	1.21	453	.29	.92	.01	122	1
1130	.65	.21	1.40	451	.30	1.10	.01	169	1
1140	.65	.19	.98	451	.19	.79	.02	121	3
1150	.59	.19	.73	454	.14	.59	.16	100	27
1160	.64	.22	.93	453	.20	.73	.06	114	9
1170	.67	.18	.82	454	.15	.67	.01	100	1
1180	.62	.20	1.08	451	.22	.86	.43	138	69
1190	.60	.21	.78	454	.16	.62	.54	103	90
1200	.61	.20	1.49	449	.30	1.19	.31	195	50
1210	.57	.26	1.24	448	.32	.92	.51	161	89
1220	.99	.62	5.50	331	3.40	2.10	.88	212	88
1230	1.31	.67	8.35	336	5.61	2.74	.87	209	66
1240	.68	.27	1.74	447	.47	1.27	.66	186	97
1250	2.32	.65	20.52	324	13.25	7.27	2.04	313	87
1260	.64	.22	.81	454	.18	.63	.50	98	78
1270	.61	.20	.75	449	.15	.60	.32	98	52
1280	.63	.23	1.14	447	.26	.88	.33	139	52
1290	1.17	.61	8.01	343	4.87	3.14	.87	268	74
1300	3.02	.67	27.80	337	18.52	9.28	1.17	307	38
1310	1.58	.71	11.12	331	7.90	3.22	1.07	203	67
1320	.80	.28	1.12	454	.31	.81	.43	101	53
1330	.91	.33	2.57	446	.84	1.73	.73	190	80
1340	.75	.31	1.28	450	.40	.88	.36	117	48
1350	.76	.27	1.29	454	.35	.94	.13	123	17
1360	1.33	.65	8.29	348	5.40	2.89	1.39	217	104
1370	2.12	.78	16.84	334	13.21	3.63	1.18	171	55
1380	.65	.34	.99	453	.34	.65	.35	100	53
1390	1.38	.61	7.25	335	4.43	2.82	.88	204	63
1400	1.18	.48	4.68	335	2.25	2.43	1.30	205	110
1410	.71	.27	1.46	450	.39	1.07	.65	150	91
1420	.94	.29	1.92	450	.56	1.36	.17	144	18
1430	2.10	.73	15.12	333	10.97	4.15	.85	197	40
1440	1.40	.40	5.08	442	2.01	3.07	1.47	219	105
1450	1.71	.60	9.89	330	5.95	3.94	1.00	230	58

Shell PCP Salter 11-14-27-7W5 **400 3810 m**

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
1460	.97	.26	2.03	451	.52	1.51	.50	155	51
1470	1.53	.66	7.14	448	4.69	2.45	1.11	160	72
1480	1.08	.24	2.01	451	.48	1.53	.42	141	38
1490	.92	.30	1.99	451	.60	1.39	.22	151	23
1500	.81	.22	1.60	450	.35	1.25	.20	154	24
1510	.59	.28	1.20	451	.34	.86	.29	145	49
1520	.85	.43	2.25	448	.96	1.29	.30	151	35
1530	.61	.35	1.36	449	.47	.89	.46	145	75
1540	.56	.27	1.17	453	.32	.85	.21	151	37
1550	.59	.32	1.04	454	.33	.71	.09	120	15
1560	.65	.21	1.15	449	.24	.91	.11	140	16
1570	.71	.25	1.07	451	.27	.80	.10	112	14
1580	.60	.32	1.30	453	.41	.89	.01	148	1
1590	.69	.26	.94	455	.24	.70	.06	101	8
1600	.57	.38	1.57	454	.59	.98	.01	171	1
1610	.60	.26	.88	455	.23	.65	.03	108	5
1620	.95	.36	1.43	451	.52	.91	.11	95	11
1630	.85	.26	1.21	454	.31	.90	.02	105	2
1640	.69	.29	1.01	455	.29	.72	.01	104	1
1650	.75	.30	1.19	454	.36	.83	.04	110	5
1660	.91	.34	1.27	456	.43	.84	.25	92	27
1670	.93	.52	3.28	451	1.71	1.57	.43	168	46
1680	.86	.39	1.54	455	.60	.94	.36	109	41
1690	1.11	.53	3.81	448	2.03	1.78	.24	160	21
1700	.75	.32	1.25	456	.40	.85	.11	113	14
1710	.80	.32	1.44	454	.46	.98	.16	122	20
1720	.72	.25	1.38	454	.34	1.04	.08	144	11
1730	.90	.31	1.37	458	.42	.95	.45	105	50
1740	.94	.40	2.76	449	1.11	1.65	.27	175	28
1750	.84	.28	1.36	458	.38	.98	.16	116	19
1760	.78	.30	1.51	458	.46	1.05	.13	134	16
1770	.86	.32	1.41	460	.45	.96	.13	111	15
1780	.97	.34	1.65	458	.56	1.09	.05	112	5
1790	.90	.41	3.12	448	1.27	1.85	.17	205	18
1800	.92	.30	1.49	460	.45	1.04	.12	113	13
1810	.91	.36	2.18	454	.79	1.39	.19	152	20
1820	.90	.26	1.64	456	.43	1.21	.09	134	10
1830	.83	.30	1.32	459	.40	.92	.04	110	4
1840	.76	.25	1.09	459	.27	.82	.01	107	1
1860	.72	.29	1.26	458	.37	.89	.01	123	1
1870	.83	.27	1.65	452	.44	1.21	.06	145	7
1880	.93	.27	1.69	458	.45	1.24	.01	133	1
1890	.86	.30	2.05	451	.61	1.44	.13	167	15
1900	.80	.26	1.48	461	.39	1.09	.07	136	8
1910	.93	.27	1.69	460	.46	1.23	.26	132	27
1920	1.34	.41	4.75	436	1.94	2.81	.42	209	31
1930	.98	.26	1.82	459	.48	1.34	.12	136	12
1940	.51	.26	.77	462	.20	.57	.12	111	23
1950	.75	.41	2.31	446	.94	1.37	.13	182	17
1960	.72	.27	1.24	460	.34	.90	.03	124	4
1970	.71	.27	1.47	457	.40	1.07	.02	150	2
1980	.66	.25	1.29	455	.32	.97	.01	146	1
1990	.76	.44	1.76	455	.78	.98	.26	128	34
2000	.71	.44	1.92	456	.85	1.07	.30	150	42
2010	.68	.50	1.73	464	.87	.86	.16	126	23
2020	.51	.41	1.09	466	.45	.64	.11	125	21
2030	.54	.39	1.09	464	.43	.66	.15	122	27
2040	.91	.39	1.75	465	.68	1.07	.21	117	23
2050	.95	.37	2.23	463	.82	1.41	.21	148	22

Shell PCP Salter 11-14-27-7W5 **400 3810 m**

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
2060	.98	.35	2.32	462	.82	1.50	.25	153	25
2070	.94	.40	1.61	472	.64	.97	.19	103	20
2080	.73	.39	1.63	466	.63	1.00	.15	136	20
2090	.94	.40	1.73	468	.69	1.04	.16	110	17
2100	.92	.42	1.61	466	.68	.93	.18	101	19
2110	.65	.46	1.31	469	.60	.71	.36	109	55
2120	.89	.45	2.22	464	.99	1.23	.30	138	33
2130	.73	.41	1.38	464	.56	.82	.17	112	23
2140	.80	.53	2.51	461	1.34	1.17	.27	146	33
2150	.55	.43	1.04	468	.45	.59	.17	107	30
2160	.58	.47	1.37	460	.64	.73	.14	125	24
2170	.57	.47	1.42	461	.67	.75	.15	131	26
2180	.67	.42	1.44	459	.61	.83	.14	123	20
2190	.58	.35	1.51	458	.53	.98	.13	168	22
2200	.66	.45	1.55	461	.70	.85	.18	128	27
2210	.76	.56	2.52	461	1.40	1.12	.17	147	22
2220	.60	.57	2.34	457	1.34	1.00	.25	166	41
2230	.45	.66	1.74	459	1.14	.60	.29	133	64
2240	.36	.55	1.22	436	.67	.55	.16	152	44
2250	.31	.62	.91	465	.56	.35	.13	112	41
2260	.15	.52	.44	414	.23	.21	.12	140	80
2270	.14	.52	.44	416	.23	.21	.04	150	28
2280	.20	.59	.49	410	.29	.20	.11	100	55
2290	.25	.60	.63	416	.38	.25	.19	100	76
2300	.11	.74	.27	323	.20	.07	.12	63	109
2310	.18	.56	.43	344	.24	.19	.08	105	44
2320	.57	.54	1.77	448	.95	.82	.20	143	35
2330	.55	.51	1.11	461	.57	.54	.13	98	23
2340	.57	.50	1.45	457	.73	.72	.23	126	40
2350	.74	.65	2.04	407	1.33	.71	.26	95	35
2360	.46	.52	.65	476	.34	.31	.15	67	32
2370	.49	.36	.70	475	.25	.45	.09	91	18
2380	.50	.38	.84	471	.32	.52	.14	104	28
2390	.40	.39	.80	469	.31	.49	.14	122	35
2400	.44	.39	.67	476	.26	.41	.06	93	13
2410	.40	.44	.61	476	.27	.34	.09	85	22
2420	.42	.45	.58	476	.26	.32	.08	76	19
2430	.47	.43	.81	475	.35	.46	.08	97	17
2440	.41	.45	.51	485	.23	.28	.08	68	19
2450	.42	.40	.72	476	.29	.43	.06	102	14
2460	.48	.38	.71	480	.27	.44	.05	91	10
2470	.40	.36	.67	482	.24	.43	.04	107	10
2480	.42	.37	.67	482	.25	.42	.03	100	7
2490	.48	.40	.67	481	.27	.40	.12	83	25
2500	.51	.43	.92	479	.40	.52	.09	101	17
2510	.54	.46	.85	480	.39	.46	.09	85	16
2520	.56	.43	1.07	479	.46	.61	.10	108	17
2530	.49	.41	1.13	476	.46	.67	.09	136	18
2540	.41	.52	.93	469	.48	.45	.12	109	29
2550	.41	.47	.66	480	.31	.35	.09	85	21
2560	.30	.47	.55	455	.26	.29	.10	96	33
2570	.49	.51	.97	473	.49	.48	.12	97	24
2580	.27	.53	.60	425	.32	.28	.06	103	22
2590	.25	.71	.98	349	.70	.28	.10	112	40
2600	.26	.70	1.28	368	.89	.39	.12	150	46
2610	.11	.75	.28	303	.21	.07	.04	63	36
2620	.34	.48	.46	485	.22	.24	.02	70	5
2630	.36	.49	.53	483	.26	.27	.03	75	8
2640	.35	.73	1.62	355	1.19	.43	.09	122	25

Shell PCP Salter 11-14-27-7W5 **400 3810 m**

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
2650	.42	.73	1.24	453	.91	.33	.19	78	45
2660	.43	.51	.89	474	.45	.44	.21	102	48
2670	.32	.44	.54	485	.24	.30	15.61	934	878
2680	.39	.56	.72	480	.40	.32	.09	82	23
2690	.43	.49	.71	488	.35	.36	.07	83	16
2700	.60	.37	1.05	477	.39	.66	.07	109	11
2710	.42	.52	.87	446	.45	.42	.10	100	23
2720	.19	.59	.32	350	.19	.13	.08	68	42
2730	.33	.80	2.02	346	1.61	.41	.13	124	39
2740	.21	.88	1.24	345	1.09	.15	.14	71	66
2750	.37	.44	1.13	451	.50	.63	.10	170	27
2760	.47	.50	1.25	442	.62	.63	.12	134	25
2770	.29	.68	.76	344	.52	.24	.07	82	24
2780	.26	.85	1.53	339	1.30	.23	.20	88	76
2790	.24	.85	1.55	304	1.31	.24	.17	100	70
2800	.11	.75	.16	304	.12	.04	.03	36	27
2810	.10	.68	.19	304	.13	.06	.01	60	10
2820	.21	.58	.19	419	.11	.08	.01	38	4
2830	.24	.34	.29	505	.10	.19	.01	79	4
2840	.14	.56	.09	462	.05	.04	.01	28	7
2850	.40	.37	.60	466	.22	.38	.02	95	5
2860	.25	.27	.26	518	.07	.19	.01	76	4
2870	.10	.83	.06	381	.05	.01	.03	10	30
2880	.47	.43	.35	500	.15	.20	.03	42	6
2890	.48	.55	.67	489	.37	.30	.07	62	14
2900	.42	.43	.63	478	.27	.36	.05	85	11
2910	.58	.31	.58	502	.18	.40	.05	68	8
2920	.68	.36	.69	503	.25	.44	.15	64	22
2930	.89	.24	.90	498	.22	.68	.10	76	11
2940	.74	.38	.88	495	.33	.55	.09	74	12
2950	.72	.37	.75	500	.28	.47	.10	65	13
2960	1.07	.52	1.28	494	.67	.61	.21	57	19
2970	.48	.39	.67	492	.26	.41	.07	85	14
2980	.57	.46	.83	497	.38	.45	.20	78	35
2990	.50	.47	.76	488	.36	.40	.17	80	34
3000	.45	.42	.65	483	.27	.38	.07	84	15
3010	.33	.45	.42	491	.19	.23	.13	69	39
3020	.41	.39	.49	499	.19	.30	.11	73	26
3030	.37	.40	.35	503	.14	.21	.08	56	21
3040	.37	.47	.51	494	.24	.27	.12	72	32
3050	.29	.34	.41	489	.14	.27	.09	93	31
3060	.49	.33	.52	500	.17	.35	.23	71	46
3070	.38	.28	.53	503	.15	.38	.11	100	28
3080	.45	.56	.68	495	.38	.30	.33	66	73
3090	.33	.47	.34	508	.16	.18	.37	54	112
3100	.51	.30	.56	501	.17	.39	.29	76	56
3110	.63	.43	.68	499	.29	.39	.24	61	38
3120	.42	.40	.45	510	.18	.27	.16	64	38
3130	.48	.38	.65	481	.25	.40	.34	83	70
3140	.12	.56	.18	397	.10	.08	.07	66	58
3150	.08	.44	.09	363	.04	.05	.07	62	87
3160	.12	.54	.13	372	.07	.06	.03	50	25
3170	.09	.60	.10	331	.06	.04	.04	44	44
3180	.12	.74	.39	304	.29	.10	.69	83	575
3190	.54	.28	.46	508	.13	.33	.07	61	12
3200	.36	.31	.36	513	.11	.25	.01	69	2
3210	.21	.68	.22	470	.15	.07	.17	33	80
3220	.59	.52	1.04	454	.54	.50	.39	84	66
3230	.39	.60	.68	465	.41	.27	.35	69	89

Shell PCP Salter 11-14-27-7W5 **400 3810 m**

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
3240	.59	.43	.51	513	.22	.29	.15	49	25
3250	.31	.58	.59	453	.34	.25	.17	80	54
3260	1.35	.39	1.69	508	.66	1.03	.19	76	14
3270	.27	.69	.29	467	.20	.09	.10	33	37
3280	.90	.42	.98	507	.41	.57	.14	63	15
3290	.97	.38	1.44	503	.54	.90	.14	92	14
3300	1.84	.48	2.82	506	1.34	1.48	.34	80	18
3310	1.39	.61	6.75	363	4.12	2.63	4.79	189	344
3320	6.04	.08	12.20	492	.98	11.22	.41	185	6
3330	2.12	.49	4.21	510	2.06	2.15	.59	101	27
3340	1.80	.25	1.91	512	.47	1.44	.40	80	22
3350	2.19	.55	3.18	513	1.75	1.43	.64	65	29
3360	1.38	.21	1.01	517	.21	.80	.41	57	29
3370	1.30	.44	1.21	517	.53	.68	.40	52	30
3380	1.22	.68	2.18	517	1.49	.69	.50	56	40
3390	1.63	.37	1.53	514	.56	.97	.66	59	40
3400	1.17	.35	1.05	516	.37	.68	.38	58	32
3410	1.31	.39	1.45	512	.56	.89	.65	67	49
3420	1.52	.57	2.38	509	1.36	1.02	1.10	67	72
3430	.88	.60	1.29	460	.78	.51	.57	57	64
3440	1.15	.57	1.34	521	.76	.58	.77	50	66
3450	1.13	.43	.79	535	.34	.45	.46	39	40
3460	1.39	.50	1.33	538	.67	.66	.45	47	32
3470	1.30	.46	.98	548	.45	.53	.24	40	18
3480	.71	.29	.59	547	.17	.42	.24	59	33
3490	.55	.53	.58	550	.31	.27	.23	49	41
3500	.58	.41	.58	547	.24	.34	.14	58	24
3510	.64	.49	.67	552	.33	.34	.16	53	25
3520	1.16	.56	.91	551	.51	.40	.24	34	20
3530	.98	.55	.75	560	.41	.34	.40	34	40
3540	1.06	.63	.79	560	.50	.29	.48	27	45
3550	.73	.78	1.29	505	1.00	.29	.46	39	63
3560	.59	.68	.91	491	.62	.29	.72	49	122
3570	.43	.40	.25	553	.10	.15	.24	34	55
3580	.28	.58	.12	450	.07	.05	.18	17	64
3590	.30	.75	.95	414	.71	.24	.47	80	156
3600	.09	.55	.11	408	.06	.05	.18	55	199
3610	.10	.70	.10	357	.07	.03	.23	30	230
3620	.12	.97	.30	302	.29	.01	.27	8	225
3630	.03	1.00	.02	0	.02	.00	.17	0	566
3640	.09	.86	.49	401	.42	.07	.51	77	566
3650	.04	1.00	.02	0	.02	.00	.20	0	500
3660	.07	1.00	.05	0	.05	.00	.13	0	185
3670	.11	1.00	.02	0	.02	.00	.13	0	118
3680	.10	1.00	.06	0	.06	.00	.20	0	200
3690	.28	.82	1.07	412	.88	.19	.59	67	210
3700	.08	.83	.06	0	.05	.01	.11	12	137
3710	.03	1.00	.02	0	.02	.00	.12	0	400
3720	.09	.88	.08	444	.07	.01	.25	11	277
3730	.10	.84	.19	445	.16	.03	.27	30	270
3740	.09	.91	.11	364	.10	.01	.21	11	233
3750	.05	1.00	.01	0	.01	.00	.13	0	260
3760	.12	1.00	.01	0	.01	.00	.15	0	125
3770	.11	1.00	.03	0	.03	.00	.22	0	200
3780	.06	1.00	.06	0	.06	.00	.26	0	433
3790	.04	1.00	.08	0	.08	.00	.23	0	575
3800	.03	1.00	.10	0	.10	.00	.22	0	733
3810	.05	1.00	.09	0	.09	.00	.19	0	380

Shell PCP Jumping Pound 11-16-26-6W5 400 3860 m

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
Cardium Fm.			1195M						
Blackstone Fm.			1363						
Blairmore Grp.			2100						
Cadomin Fm.			3392						
Fault			3451						
Cadomin Fm.			3453						
Kootenay Grp.			3470						
Passage Beds			3582						
Nordegg Mbr.			3650						
Turner Valley Fm.			3679						
Fault			3817						
Fernie Grp.			3817						
400M	.70	.24	.95	449	.23	.72	.31	102	44
410	.57	.17	.53	448	.09	.44	.16	77	28
420	.77	.17	1.05	446	.18	.87	.01	112	1
430	.54	.22	.74	444	.16	.58	.01	107	1
440	.55	.18	.62	446	.11	.51	.01	92	1
450	.51	.16	.86	447	.14	.72	.03	141	5
460	.45	.34	.38	447	.13	.25	.26	55	57
470	.56	.22	.76	446	.17	.59	.01	105	1
480	.52	.17	.48	447	.08	.40	.01	76	1
490	.59	.20	.91	447	.18	.73	.21	123	35
500	.61	.20	.92	447	.18	.74	.01	121	1
510	.59	.20	.60	450	.12	.48	.01	81	1
520	.66	.17	.71	448	.12	.59	.01	89	1
530	.76	.21	1.07	446	.23	.84	.01	110	1
540	.72	.20	.97	446	.19	.78	.01	108	1
550	.69	.17	1.21	445	.21	1.00	.01	144	1
560	.80	.24	1.80	444	.44	1.36	.01	170	1
570	.91	.24	2.32	445	.56	1.76	.01	193	1
580	.82	.26	1.93	447	.50	1.43	.01	174	1
590	.86	.25	2.68	444	.68	2.00	.01	232	1
600	.83	.27	2.47	447	.66	1.81	.01	218	1
610	.75	.29	1.46	446	.43	1.03	.01	137	1
620	.78	.31	1.74	443	.54	1.20	.11	153	14
630	.71	.33	1.53	447	.50	1.03	.01	145	1
640	.85	.26	2.89	445	.74	2.15	.01	252	1
650	.73	.32	2.36	445	.76	1.60	.01	219	1
660	.87	.28	2.34	446	.66	1.68	.01	193	1
670	.85	.26	2.06	446	.53	1.53	.01	180	1
680	.85	.26	2.23	447	.57	1.66	.01	195	1
690	.79	.26	2.22	447	.57	1.65	.01	208	1
700	.84	.24	2.24	446	.54	1.70	.01	202	1
710	.71	.28	1.70	447	.48	1.22	.01	171	1
720	.83	.26	2.06	445	.54	1.52	.01	183	1
730	.94	.30	2.44	446	.73	1.71	.01	181	1
740	.81	.24	1.74	448	.42	1.32	.01	162	1
750	.73	.26	1.31	447	.34	.97	.01	132	1
760	.69	.25	1.18	448	.29	.89	.13	128	18
770	.78	.23	1.54	448	.36	1.18	.01	151	1
780	.77	.22	2.11	447	.46	1.65	.01	214	1
790	.86	.25	1.98	446	.49	1.49	.01	173	1
800	.80	.29	2.50	447	.73	1.77	.01	221	1
810	.75	.35	3.13	447	1.08	2.05	.05	273	6
820	.96	.43	3.84	446	1.66	2.18	.23	227	23
830	.69	.28	1.55	448	.43	1.12	.01	162	1
840	.82	.21	1.74	449	.36	1.38	.01	168	1
850	.73	.28	1.07	449	.30	.77	.01	105	1
860	.78	.26	1.42	450	.37	1.05	.01	134	1

Shell PCP Jumping Pound 11-16-26-6W5 400 3860 m

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
870	.78	.25	1.76	448	.44	1.32	.01	169	1
880	.81	.27	1.56	447	.42	1.14	.01	140	1
890	.65	.30	1.68	449	.50	1.18	.02	181	3
900	.72	.21	1.44	449	.30	1.14	.05	158	6
910	.61	.20	1.31	451	.26	1.05	.01	172	1
920	.55	.19	1.26	450	.24	1.02	.01	185	1
930	.60	.26	1.39	450	.36	1.03	.01	171	1
940	.54	.24	1.08	451	.26	.82	.01	151	1
950	.63	.25	1.30	450	.33	.97	.01	153	1
960	.66	.26	1.25	450	.32	.93	.01	140	1
970	.66	.32	1.03	449	.33	.70	.01	106	1
980	.60	.22	1.22	451	.27	.95	.01	158	1
990	.74	.22	1.30	451	.29	1.01	.04	136	5
1000	.68	.18	1.09	451	.20	.89	.01	130	1
1010	.76	.24	1.08	454	.26	.82	.16	107	21
1020	.77	.23	1.18	448	.27	.91	.01	118	1
1030	.75	.21	1.21	450	.26	.95	.01	126	1
1040	.87	.40	2.87	451	1.16	1.71	.07	196	8
1050	.85	.19	2.31	452	.45	1.86	.01	218	1
1060	.90	.19	2.37	451	.45	1.92	.01	213	1
1070	.64	.22	1.28	453	.28	1.00	.01	156	1
1080	.66	.27	1.12	454	.30	.82	.01	124	1
1090	.72	.22	1.44	451	.32	1.12	.01	155	1
1100	.61	.24	1.28	453	.31	.97	.01	159	1
1110	.76	.24	1.36	453	.32	1.04	.01	136	1
1120	.77	.25	1.26	452	.32	.94	.01	122	1
1130	.80	.29	1.54	452	.45	1.09	.01	136	1
1140	.55	.24	1.70	455	.40	1.30	.01	236	1
1150	1.01	.18	2.29	453	.42	1.87	.01	185	0
1160	.70	.21	2.10	453	.44	1.66	.01	237	1
1170	.81	.26	2.20	454	.57	1.63	.01	201	1
1180	.81	.26	1.96	453	.51	1.45	.01	179	1
1190	.75	.25	1.32	452	.33	.99	.01	132	1
1205	.63	.22	1.04	453	.23	.81	.03	128	4
1215	.74	.19	1.43	453	.27	1.16	.01	156	1
1220	.67	.24	1.09	454	.26	.83	.01	123	1
1230	.69	.21	1.07	455	.23	.84	.01	121	1
1240	.67	.23	1.19	453	.27	.92	.01	137	1
1250	.67	.25	1.30	453	.32	.98	.01	146	1
1260	.81	.27	1.08	458	.29	.79	.01	97	1
1270	.61	.32	1.17	454	.37	.80	.01	131	1
1280	.65	.27	.74	458	.20	.54	.13	83	20
1290	.62	.31	1.01	457	.31	.70	.01	112	1
1300	.71	.22	.90	455	.20	.70	.01	98	1
1310	.68	.27	.94	455	.25	.69	.01	101	1
1320	.67	.24	.94	457	.23	.71	.01	105	1
1330	.64	.23	1.08	456	.25	.83	.01	129	1
1340	.68	.26	1.07	454	.28	.79	.01	116	1
1350	.65	.29	.93	456	.27	.66	.01	101	1
1360	.62	.31	1.03	455	.32	.71	.01	114	1
1370	.72	.32	1.14	454	.37	.77	.01	106	1
1380	.53	.26	.84	456	.22	.62	.01	116	1
1390	.60	.40	1.12	456	.45	.67	.01	111	1
1400	.63	.36	1.07	453	.38	.69	.01	109	1
1410	.66	.37	1.15	451	.42	.73	.01	110	1
1420	.55	.33	.94	453	.31	.63	.01	114	1
1440	.64	.42	1.47	455	.62	.85	.01	132	1
1450	.59	.32	1.11	458	.35	.76	.01	128	1
1460	.55	.33	1.26	455	.42	.84	.01	152	1

Shell PCP Jumping Pound 11-16-26-6W5 400 3860 m

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
1470	.55	.26	.80	460	.21	.59	.09	107	16
1480	.64	.34	1.10	457	.37	.73	.01	114	1
1490	.69	.32	1.40	456	.45	.95	.01	137	1
1500	.61	.26	1.27	459	.33	.94	.01	154	1
1510	.34	.16	1.36	462	.22	1.14	.01	335	2
1520	.81	.26	1.36	454	.35	1.01	.10	124	12
1530	.79	.21	1.78	453	.37	1.41	.17	178	21
1540	.50	.32	.88	458	.28	.60	.01	120	2
1550	.93	.35	1.36	452	.48	.88	.01	94	1
1560	.76	.41	1.35	455	.55	.80	.01	105	1
1570	.85	.32	1.80	454	.58	1.22	.01	143	1
1580	.81	.38	1.34	456	.51	.83	.01	102	1
1590	.75	.29	1.91	455	.55	1.36	.01	181	1
1600	.93	.36	1.74	458	.62	1.12	.10	120	10
1610	.90	.36	2.01	455	.72	1.29	.01	143	1
1620	.89	.33	1.55	457	.51	1.04	.01	116	1
1630	.70	.30	1.34	458	.40	.94	.01	134	1
1640	.80	.31	1.53	458	.47	1.06	.01	132	1
1650	1.07	.30	2.68	456	.81	1.87	.01	174	0
1660	1.07	.29	2.17	457	.63	1.54	.01	143	0
1670	.96	.28	2.20	454	.61	1.59	.01	165	1
1680	.64	.37	.99	455	.37	.62	.01	96	1
1690	.59	.32	1.10	458	.35	.75	.01	127	1
1700	.49	.26	1.00	458	.26	.74	.01	151	2
1710	.63	.28	.98	458	.27	.71	.01	112	1
1720	.70	.25	1.42	459	.36	1.06	.33	151	47
1730	.75	.32	1.18	459	.38	.80	.31	106	41
1740	.65	.32	.85	460	.27	.58	.20	89	30
1750	.72	.33	1.47	454	.48	.99	.20	137	27
1760	.66	.26	1.63	452	.43	1.20	.17	181	25
1770	.59	.27	1.37	455	.37	1.00	.15	169	25
1780	.67	.30	1.50	455	.45	1.05	.13	156	19
1790	.57	.26	1.15	457	.30	.85	.08	149	14
1800	.55	.26	1.12	455	.29	.83	.13	150	23
1810	.74	.25	1.57	457	.40	1.17	.10	158	13
1820	.77	.28	1.98	458	.55	1.43	.13	185	16
1830	.68	.27	1.35	459	.36	.99	.09	145	13
1840	.70	.32	1.15	468	.37	.78	.04	111	5
1850	.94	.36	1.76	462	.63	1.13	.29	120	30
1860	.73	.30	1.72	459	.51	1.21	.21	165	28
1870	.74	.32	1.47	462	.47	1.00	.10	135	13
1880	.92	.29	1.40	457	.40	1.00	.13	108	14
1890	.92	.28	1.71	457	.48	1.23	.12	133	13
1900	.72	.32	1.61	459	.52	1.09	.13	151	18
1910	.67	.38	1.04	460	.40	.64	.30	95	44
1920	.86	.35	1.65	459	.57	1.08	.13	125	15
1930	.62	.27	1.40	459	.38	1.02	.10	164	16
1940	.85	.36	1.71	460	.62	1.09	.10	128	11
1950	.69	.34	1.40	458	.48	.92	.10	133	14
1960	.83	.28	1.55	459	.43	1.12	.10	134	12
1970	.89	.29	1.79	458	.52	1.27	.09	142	10
1980	.94	.31	2.03	461	.63	1.40	.12	148	12
1990	.87	.30	1.65	461	.50	1.15	.30	132	34
2000	.68	.33	1.45	460	.48	.97	.15	142	22
2010	.57	.35	1.18	460	.41	.77	.12	135	21
2020	.54	.36	.99	460	.36	.63	.08	116	14
2030	.69	.31	1.63	457	.50	1.13	.14	163	20
2040	.64	.32	1.58	459	.51	1.07	.09	167	14
2050	.57	.36	1.11	461	.40	.71	.07	124	12

Shell PCP Jumping Pound 11-16-26-6W5 400 3860 m

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
2060	.58	.38	.97	461	.37	.60	.26	103	44
2070	.57	.41	1.01	462	.41	.60	.09	105	15
2080	.71	.28	1.51	451	.43	1.08	.06	152	8
2090	.55	.37	.84	465	.31	.53	.03	96	5
2100	.48	.27	.66	457	.18	.48	.09	100	18
2110	.62	.27	1.45	460	.39	1.06	.10	170	16
2120	.50	.25	.97	459	.24	.73	.05	146	10
2130	.46	.29	.91	458	.26	.65	.23	141	50
2140	.41	.31	.59	467	.18	.41	.08	100	19
2150	.21	.21	.47	358	.10	.37	.12	176	57
2160	.21	.31	.52	471	.16	.36	.02	171	9
2170	.21	.38	.34	462	.13	.21	.26	100	123
2180	.13	.30	.10	462	.03	.07	.06	53	46
2190	.06	.52	.27	321	.14	.13	.03	216	50
2200	.59	.32	1.31	454	.42	.89	.08	150	13
2210	.35	.38	.69	452	.26	.43	.07	122	20
2220	.15	.33	.30	433	.10	.20	.02	133	13
2230	.17	.20	.30	460	.06	.24	.03	141	17
2240	.06	.33	.12	351	.04	.08	.01	133	16
2250	.07	.47	.15	344	.07	.08	.01	114	14
2260	.02	.33	.03	321	.01	.02	.01	100	50
2270	.06	.31	.16	0	.05	.11	.01	183	16
2280	.05	.42	.12	0	.05	.07	.02	140	40
2290	.12	.18	.11	476	.02	.09	.01	75	8
2300	.28	.26	.42	480	.11	.31	.12	110	42
2310	.22	.26	.35	469	.09	.26	.03	118	13
2320	.24	.24	.38	471	.09	.29	.01	120	4
2330	.25	.26	.46	473	.12	.34	.02	136	8
2340	.34	.24	.80	464	.19	.61	.02	179	5
2350	.23	.21	.43	484	.09	.34	.03	147	13
2360	.87	.07	2.13	475	.14	1.99	.05	228	5
2370	.61	.12	1.42	476	.17	1.25	.06	204	9
2380	.38	.30	.70	468	.21	.49	.10	128	26
2390	3.59	.03	18.62	468	.62	18.00	.25	501	6
2400	1.69	.10	4.20	477	.40	3.80	.34	224	20
2410	2.25	.06	9.83	471	.55	9.28	.35	412	15
2420	.59	.12	1.55	474	.19	1.36	.28	230	47
2430	.26	.13	.48	483	.06	.42	.06	161	23
2440	.15	.23	.40	477	.09	.31	.11	206	73
2450	.06	.35	.17	410	.06	.11	.04	183	66
2460	.24	.28	.85	408	.24	.61	.15	254	62
2470	.14	.20	.40	474	.08	.32	.04	228	28
2480	.67	.11	1.96	477	.21	1.75	.21	261	31
2490	.19	.50	.12	474	.06	.06	.01	31	5
2500	.10	.43	.23	324	.10	.13	.01	130	10
2510	.11	.43	.21	332	.09	.12	.04	109	36
2520	.28	.44	.63	443	.28	.35	.03	125	10
2530	.22	.41	.44	418	.18	.26	.14	118	63
2540	1.49	.11	3.96	477	.43	3.53	.10	236	6
2550	2.34	.09	7.51	474	.65	6.86	.23	293	9
2560	.64	.24	1.10	479	.26	.84	.18	131	28
2570	.77	.53	1.74	450	.93	.81	.79	105	102
2580	.70	.50	1.39	475	.70	.69	.44	98	62
2590	.99	.34	2.28	465	.78	1.50	.53	151	53
2600	.93	.41	1.52	476	.63	.89	.54	95	58
2610	1.29	.27	2.51	468	.69	1.82	.41	141	31
2620	3.53	.05	14.71	472	.80	13.91	.56	394	15
2630	1.99	.31	4.36	467	1.35	3.01	.42	151	21
2640	.75	.54	1.84	454	.99	.85	.45	113	60

Shell PCP Jumping Pound 11-16-26-6W5 400 3860 m

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
2650	1.02	.37	1.91	466	.71	1.20	.32	117	31
2660	3.75	.14	8.77	474	1.20	7.57	.31	201	8
2670	7.24	.05	23.30	466	1.12	22.18	.38	306	5
2680	6.32	.07	11.19	467	.73	10.46	.99	165	15
2690	2.84	.15	4.81	473	.71	4.10	.88	144	30
2700	3.53	.17	6.32	473	1.05	5.27	.51	149	14
2710	5.67	.08	15.04	470	1.19	13.85	.41	244	7
2720	2.18	.17	4.38	474	.75	3.63	1.19	166	54
2730	2.19	.29	4.31	474	1.27	3.04	.39	138	17
2740	1.62	.24	2.64	474	.64	2.00	.29	123	17
2750	2.17	.13	3.35	475	.44	2.91	.01	134	0
2760	2.33	.28	4.06	471	1.13	2.93	.24	125	10
2770	2.30	.22	3.69	475	.82	2.87	.25	124	10
2780	5.88	.08	15.49	468	1.24	14.25	.58	242	9
2790	2.17	.19	3.76	478	.71	3.05	1.40	140	64
2800	8.02	.05	32.87	471	1.74	31.13	.81	388	10
2810	5.77	.09	15.89	473	1.37	14.52	2.61	251	45
2820	4.62	.08	13.03	473	1.01	12.02	1.13	260	24
2830	2.74	.15	5.68	479	.85	4.83	1.04	176	37
2840	.77	.24	1.15	480	.28	.87	.61	112	79
2850	.73	.39	1.43	466	.56	.87	.54	119	73
2860	.35	.44	.78	450	.34	.44	.29	125	82
2870	1.19	.33	3.36	447	1.10	2.26	.13	189	10
2880	2.20	.10	3.93	478	.38	3.55	.01	161	0
2890	3.78	.07	6.45	476	.45	6.00	.33	158	8
2900	2.94	.12	3.86	478	.45	3.41	.22	115	7
2910	2.63	.06	4.07	477	.26	3.81	.01	144	0
2920	2.66	.20	3.93	479	.77	3.16	.32	118	12
2930	2.38	.08	7.59	470	.64	6.95	.01	292	0
2940	1.37	.42	2.24	479	.93	1.31	.23	95	16
2950	1.23	.37	2.30	476	.84	1.46	.01	118	0
2960	.94	.35	2.10	475	.74	1.36	.01	144	1
2970	.61	.62	2.54	432	1.57	.97	.01	159	1
2980	.74	.46	2.26	448	1.04	1.22	.03	164	4
2990	.50	.57	2.06	434	1.17	.89	.01	178	2
3000	.83	.52	2.19	459	1.14	1.05	.08	126	9
3010	.73	.56	2.31	436	1.29	1.02	.05	139	6
3020	1.35	.36	3.36	472	1.22	2.14	.25	158	18
3030	.57	.47	1.20	461	.56	.64	.01	112	1
3040	.53	.53	.86	465	.46	.40	.01	75	1
3050	.83	.44	1.34	467	.59	.75	.01	90	1
3060	.58	.49	1.38	451	.68	.70	.01	120	1
3070	1.01	.35	2.51	451	.87	1.64	.05	162	4
3080	.40	.48	1.24	421	.60	.64	.01	160	2
3090	.88	.54	2.01	464	1.08	.93	.06	105	6
3100	.92	.41	1.72	471	.71	1.01	.01	109	1
3110	.86	.35	1.55	474	.55	1.00	.01	116	1
3120	.93	.38	1.57	479	.60	.97	.01	104	1
3130	.77	.53	1.29	479	.68	.61	.01	79	1
3140	.62	.47	.86	481	.40	.46	.01	74	1
3150	.90	.41	1.60	478	.65	.95	.05	105	5
3160	.62	.47	1.50	455	.70	.80	.16	129	25
3170	2.29	.34	2.44	473	.84	1.60	.07	69	3
3180	1.46	.36	2.66	474	.96	1.70	.08	116	5
3190	1.12	.42	2.07	452	.87	1.20	.05	107	4
3200	1.15	.37	1.70	479	.63	1.07	.04	93	3
3210	1.28	.54	3.09	459	1.68	1.41	.23	110	17
3220	1.52	.15	1.71	480	.25	1.46	.01	96	0
3230	.93	.33	.96	479	.32	.64	.01	68	1

Shell PCP Jumping Pound 11-16-26-6W5 400 3860 m

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
3240	1.22	.46	1.91	474	.88	1.03	.01	84	0
3250	1.03	.38	1.99	470	.76	1.23	.05	119	4
3260	1.33	.32	2.42	472	.78	1.64	.05	123	3
3270	2.82	.17	6.71	475	1.14	5.57	.48	197	17
3280	1.42	.38	2.21	472	.83	1.38	.23	97	16
3290	.37	.40	.55	480	.22	.33	.14	89	37
3300	.49	.60	1.32	446	.79	.53	.25	108	51
3310	.89	.58	2.16	438	1.26	.90	.52	101	58
3320	.57	.60	1.68	449	1.00	.68	.16	119	28
3330	.85	.55	2.04	445	1.12	.92	.20	108	23
3340	1.02	.33	2.27	471	.74	1.53	.01	150	0
3350	.67	.42	1.49	465	.62	.87	.12	129	17
3360	.38	.69	1.82	426	1.25	.57	.36	150	94
3370	1.49	.45	3.65	456	1.66	1.99	.33	133	22
3380	2.13	.19	6.74	473	1.27	5.47	.19	256	8
3390	.80	.60	2.31	438	1.39	.92	.32	115	40
3400	.60	.73	1.90	424	1.39	.51	.71	85	118
3410	5.37	.09	17.58	465	1.53	16.05	.49	298	9
3420	1.53	.63	4.60	421	2.90	1.70	1.28	111	83
3430	1.67	.23	3.42	468	.77	2.65	.41	158	24
3440	.97	.51	2.50	480	1.28	1.22	.54	125	55
3450	.72	.55	1.59	473	.88	.71	.77	98	106
3460	1.22	.38	3.35	467	1.27	2.08	.30	170	24
3470	1.25	.45	3.43	447	1.56	1.87	.33	149	26
3480	.57	.47	1.34	448	.63	.71	.08	124	14
3490	.86	.33	1.78	461	.58	1.20	.01	139	1
3500	2.33	.12	3.80	469	.44	3.36	.01	144	0
3510	.99	.30	1.34	479	.40	.94	.01	94	1
3520	1.17	.15	1.48	479	.22	1.26	.01	107	0
3530	1.07	.26	.94	489	.24	.70	.01	65	0
3540	1.46	.19	1.61	489	.30	1.31	.01	89	0
3550	1.48	.14	1.50	492	.21	1.29	.01	87	0
3560	2.60	.25	2.56	493	.64	1.92	.32	73	12
3570	1.32	.20	1.27	496	.26	1.01	.01	76	0
3580	1.26	.27	1.11	495	.30	.81	.23	64	18
3590	.84	.22	.92	486	.20	.72	.01	85	1
3600	1.25	.18	1.48	481	.27	1.21	.07	96	5
3610	1.32	.48	1.95	478	.93	1.02	.44	77	33
3620	1.47	.37	2.19	475	.81	1.38	.35	93	23
3630	1.33	.25	1.49	481	.37	1.12	.26	84	19
3640	1.30	.19	1.16	494	.22	.94	.01	72	0
3650	1.05	.24	1.10	493	.26	.84	.01	80	0
3660	.82	.61	2.38	435	1.44	.94	.22	114	26
3670	.22	.74	2.66	423	1.96	.70	.68	318	309
3680	.64	.58	.71	518	.41	.30	.13	46	20
3690	.46	.54	.46	518	.25	.21	.01	45	2
3700	1.06	.58	2.39	436	1.39	1.00	.24	94	22
3710	.54	.68	1.70	437	1.16	.54	.31	100	57
3720	.27	.78	1.72	412	1.34	.38	.41	140	151
3730	.30	.78	1.45	411	1.13	.32	.32	106	106
3740	1.53	.30	3.55	469	1.07	2.48	.16	162	10
3750	.12	.83	1.09	411	.90	.19	.23	158	191
3760	.23	.74	1.25	411	.92	.33	.20	143	86
3770	.10	.88	1.29	397	1.13	.16	.27	160	270
3780	.12	.89	1.50	396	1.34	.16	.49	133	408
3790	.20	.81	1.50	403	1.21	.29	.27	145	135
3800	.11	.87	1.42	406	1.24	.18	.30	163	272
3810	.15	.81	1.48	409	1.20	.28	.63	186	419
3820	.09	.86	1.14	404	.98	.16	.19	177	211

Shell PCP Jumping Pound 11-16-26-6W5 400 3860 m

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
3830	.62	.63	1.66	433	1.04	.62	.45	100	72
3840	.86	.62	2.60	453	1.60	1.00	.33	116	38
3850	.60	.69	2.04	434	1.41	.63	.32	104	53
3860	1.16	.53	2.91	464	1.55	1.36	.25	117	21

PCP Morley 6-10-26-7W5 **4500 11610 ft**

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
Blackstone Fm.		3520							
Blackstone Fm.		4600							
Blairmore Grp.		4820							
Blairmore Grp.		6080							
Cadomin Fm.		8460							
Kootenay		8510							
Blairmore Grp.		88555							
Blairmore Grp.		8870							
Cadomin Fm.		99810							
Passage		10580							
Fernie		10760							
Fernie/Kootenay		10800							
4500F	.58	.28	1.15	455	.32	.83	.01	143	1
4530	.66	.27	1.42	454	.38	1.04	.01	157	1
4560	.67	.29	1.32	451	.38	.94	.05	140	7
4590	.56	.29	1.39	455	.40	.99	.01	176	1
4620	.73	.28	1.40	454	.39	1.01	.01	138	1
4650	.60	.31	1.03	456	.32	.71	.01	118	1
4680	.46	.29	1.07	456	.31	.76	.01	165	2
4710	.41	.28	.92	454	.26	.66	.01	160	2
4740	.37	.39	.44	456	.17	.27	.01	72	2
4770	.50	.43	.80	455	.34	.46	.01	92	2
4800	.63	.35	1.23	454	.43	.80	.24	126	38
4830	.42	.35	.51	460	.18	.33	.03	78	7
4860	.49	.28	.95	452	.27	.68	.01	138	2
4890	.37	.24	.67	455	.16	.51	.04	137	10
4920	.35	.38	.55	466	.21	.34	.01	97	2
4950	.48	.32	1.04	448	.33	.71	.04	147	8
4980	.53	.41	1.30	449	.53	.77	.01	145	1
5010	.22	.41	.29	458	.12	.17	.01	77	4
5040	.16	.42	.24	455	.10	.14	.01	87	6
5070	.27	.26	.43	448	.11	.32	.01	118	3
5100	.06	.50	.08	460	.04	.04	.01	66	16
5130	.08	.40	.10	403	.04	.06	.01	75	12
5160	.16	.46	.28	396	.13	.15	.01	93	6
5190	.10	.38	.16	455	.06	.10	.12	100	120
5220	.10	.27	.15	440	.04	.11	.01	110	10
5250	.73	.13	1.38	435	.18	1.20	.01	164	1
5280	.47	.13	.56	436	.07	.49	.06	104	12
5310	.23	.14	.76	433	.11	.65	.01	282	4
5340	.37	.29	.45	458	.13	.32	.01	86	2
5370	.53	.22	.46	464	.10	.36	.01	67	1
5400	.28	.33	.24	476	.08	.16	.01	57	3
5430	.28	.24	.25	475	.06	.19	.01	67	3
5460	.10	.50	.04	374	.02	.02	.01	20	10
5490	.09	.29	.07	453	.02	.05	.07	55	77
5520	.18	.45	.42	414	.19	.23	.01	127	5
5550	.05	.60	.10	377	.06	.04	.01	80	20
5580	.10	.44	.16	436	.07	.09	.01	90	10
5610	.09	.33	.09	457	.03	.06	.01	66	11
5640	.19	.33	.21	463	.07	.14	.01	73	5
5670	.12	.37	.30	425	.11	.19	.01	158	8
5700	.99	.50	.74	461	.37	.37	3.11	37	314
5730	1.26	.31	1.85	461	.58	1.27	2.15	100	170
5760	.07	.29	.07	449	.02	.05	.05	71	71
5790	.14	.40	.15	464	.06	.09	.01	64	7
5820	.50	.25	.73	461	.18	.55	.01	110	2
5850	.50	.23	.71	459	.16	.55	.01	110	2

PCP Morley 6-10-26-7W5 4500 11610 ft

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
5880	.60	.25	.97	461	.24	.73	.01	121	1
5910	.65	.28	.99	462	.28	.71	.01	109	1
5940	.57	.28	.96	460	.27	.69	.01	121	1
5970	1.00	.18	3.10	439	.57	2.53	.05	253	5
6000	.78	.14	3.48	437	.50	2.98	.15	382	19
6030	.52	.20	1.43	437	.29	1.14	.08	219	15
6060	.13	.28	.18	468	.05	.13	.01	100	7
6090	.20	.23	.22	464	.05	.17	.01	85	5
6120	.25	.33	.67	439	.22	.45	.02	180	8
6150	.10	.50	.14	449	.07	.07	.08	70	80
6180	.14	.18	.22	452	.04	.18	.01	128	7
6210	.06	.38	.08	371	.03	.05	.01	83	16
6240	.30	.21	1.07	452	.23	.84	.01	280	3
6270	.43	.34	.50	471	.17	.33	.01	76	2
6300	.21	.50	.34	459	.17	.17	.09	80	42
6330	.24	.36	.36	461	.13	.23	.01	95	4
6360	.18	.27	.15	487	.04	.11	.38	61	211
6390	.30	.36	.45	441	.16	.29	.08	96	26
6420	.13	.44	.16	442	.07	.09	.01	69	7
6450	1.43	.09	1.30	463	.12	1.18	.01	82	0
6480	.09	.56	.09	455	.05	.04	.01	44	11
6510	.11	.38	.13	427	.05	.08	.01	72	9
6540	.17	.58	.52	412	.30	.22	.01	129	5
6570	.11	.44	.18	453	.08	.10	.09	90	81
6600	.26	.38	.26	465	.10	.16	.01	61	3
6630	.23	.31	.36	455	.11	.25	.01	108	4
6660	.41	.47	1.00	455	.47	.53	.01	129	2
6690	.26	.31	.45	457	.14	.31	.01	119	3
6720	.33	.30	.56	454	.17	.39	.01	118	3
6750	.19	.33	.21	466	.07	.14	.01	73	5
6780	.40	.20	.30	469	.06	.24	.01	60	2
6810	.20	.30	.20	460	.06	.14	.01	70	5
6840	.59	.17	.58	470	.10	.48	.01	81	1
6870	.34	.24	.50	468	.12	.38	.01	111	2
6900	.20	.37	.27	462	.10	.17	.01	85	5
6930	.11	.43	.14	463	.06	.08	.01	72	9
6960	.17	.39	.18	476	.07	.11	.01	64	5
6990	.41	.24	.50	460	.12	.38	.01	92	2
7020	.42	.20	.61	445	.12	.49	.01	116	2
7050	.85	.20	.83	471	.17	.66	.01	77	1
7080	.82	.16	.93	462	.15	.78	.01	95	1
7110	.93	.13	.85	469	.11	.74	.01	79	1
7140	.50	.25	.55	472	.14	.41	.01	82	2
7170	1.34	.14	.98	474	.14	.84	.01	62	0
7200	.49	.23	.47	469	.11	.36	.01	73	2
7230	.34	.32	.41	474	.13	.28	.01	82	2
7260	.47	.29	.35	482	.10	.25	.01	53	2
7290	.18	.53	.17	448	.09	.08	.01	44	5
7320	.26	.44	.18	458	.08	.10	.01	38	3
7350	.40	.23	.22	490	.05	.17	.01	42	2
7380	.20	.44	.16	481	.07	.09	.01	45	5
7410	.52	.21	.52	473	.11	.41	.01	78	1
7440	.22	.21	.19	488	.04	.15	.01	68	4
7470	.25	.53	.15	451	.08	.07	.01	28	4
7500	.17	.38	.08	427	.03	.05	.01	29	5
7530	.10	.44	.16	409	.07	.09	.01	90	10
7560	.39	.43	.21	514	.09	.12	.01	30	2
7590	.36	.22	.18	494	.04	.14	.01	38	2
7620	.35	.29	.28	482	.08	.20	.01	57	2

PCP Morley 6-10-26-7W5 4500 11610 ft

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
7650	.36	.32	.19	510	.06	.13	.01	36	2
7680	.38	.18	.22	497	.04	.18	.01	47	2
7710	.30	.31	.32	490	.10	.22	.01	73	3
7740	.35	.27	.41	477	.11	.30	.01	85	2
7770	.51	.25	.59	514	.15	.44	.01	86	1
7800	.76	.17	.69	479	.12	.57	.29	75	38
7830	.35	.17	.29	485	.05	.24	.01	68	2
7860	.29	.23	.31	485	.07	.24	.01	82	3
7890	.22	.38	.26	479	.10	.16	.01	72	4
7920	.26	.38	.40	470	.15	.25	.01	96	3
7950	.41	.28	.50	468	.14	.36	.01	87	2
7980	.41	.29	.55	471	.16	.39	.01	95	2
8010	.45	.24	.59	471	.14	.45	.01	100	2
8040	.67	.23	.82	470	.19	.63	.01	94	1
8070	.97	.26	1.06	471	.28	.78	.01	80	1
8100	1.54	.21	1.67	469	.35	1.32	.01	85	0
8130	1.15	.25	1.21	473	.30	.91	.01	79	0
8160	.96	.24	1.24	463	.30	.94	.19	97	19
8190	1.17	.27	1.21	472	.33	.88	.30	75	25
8220	1.03	.28	1.13	472	.32	.81	.10	78	9
8250	.89	.26	1.05	474	.27	.78	.02	87	2
8280	.96	.22	1.04	472	.23	.81	.01	84	1
8310	.84	.21	1.02	468	.21	.81	.04	96	4
8340	1.13	.24	1.40	472	.34	1.06	.01	93	0
8370	.83	.24	.89	475	.21	.68	.01	81	1
8400	.49	.28	.54	475	.15	.39	.01	79	2
8430	.91	.16	1.00	469	.16	.84	.01	92	1
8460	.57	.21	.48	477	.10	.38	.01	66	1
8490	.60	.29	.52	480	.15	.37	.01	61	1
8520	1.17	.17	1.35	474	.23	1.12	.01	95	0
8550	.88	.21	.84	473	.18	.66	.01	75	1
8580	.86	.18	1.07	473	.19	.88	.01	102	1
8610	1.23	.19	1.62	446	.31	1.31	.24	106	19
8640	1.14	.13	1.26	477	.16	1.10	.07	96	6
8670	.95	.22	.98	474	.22	.76	.01	80	1
8730	1.34	.22	1.90	453	.42	1.48	.01	110	0
8760	1.11	.16	1.36	468	.22	1.14	.01	102	0
8790	.57	.25	.51	482	.13	.38	.01	66	1
8820	.86	.25	1.02	466	.26	.76	.01	88	1
8850	.73	.21	.78	479	.16	.62	.01	84	1
8880	.61	.22	.59	480	.13	.46	.01	75	1
8910	.54	.33	.45	487	.15	.30	.01	55	1
8940	.72	.25	.83	474	.21	.62	.01	86	1
8970	.42	.18	.66	482	.12	.54	.17	128	40
9000	.71	.15	.81	503	.12	.69	.27	97	38
9030	.55	.14	.81	483	.11	.70	.11	127	20
9060	.81	.18	1.03	478	.19	.84	.09	103	11
9090	.44	.28	.50	486	.14	.36	.05	81	11
9120	.51	.15	.73	476	.11	.62	.05	121	9
9150	.48	.22	.59	478	.13	.46	.06	95	12
9180	.40	.17	.52	478	.09	.43	.07	107	17
9210	.41	.27	.41	483	.11	.30	.02	73	4
9240	.28	.17	.42	486	.07	.35	.07	125	25
9270	.21	.33	.30	480	.10	.20	.08	95	38
9300	.20	.21	.28	486	.06	.22	.06	110	30
9330	.24	.27	.33	485	.09	.24	.09	100	37
9360	.35	.18	.49	415	.09	.40	.33	114	94
9390	.21	.23	.26	491	.06	.20	.13	95	61
9420	.32	.18	.38	480	.07	.31	.08	96	25

PCP Morley 6-10-26-7W5 4500 11610 ft

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
9450	.51	.09	1.02	480	.09	.93	.19	182	37
9480	.34	.21	.47	477	.10	.37	.09	108	26
9510	.27	.24	.34	486	.08	.26	.06	96	22
9540	.42	.18	.60	476	.11	.49	.10	116	23
9570	.89	.07	1.93	478	.14	1.79	.10	201	11
9600	.54	.14	1.12	483	.16	.96	.09	177	16
9630	.28	.30	.40	484	.12	.28	.07	100	25
9660	.34	.24	.45	474	.11	.34	.09	100	26
9690	.26	.26	.35	486	.09	.26	.02	100	7
9720	.35	.20	.50	483	.10	.40	.01	114	2
9750	.30	.31	.52	472	.16	.36	.07	119	23
9780	.25	.31	.51	441	.16	.35	.22	140	88
9810	.54	.06	1.17	494	.07	1.10	.07	203	12
9840	.55	.07	1.20	491	.08	1.12	.05	203	9
9870	.24	.26	.46	482	.12	.34	.06	141	25
9900	.42	.14	.92	480	.13	.79	.05	188	11
9930	1.56	.04	4.53	476	.16	4.37	.17	280	10
9960	2.69	.02	10.81	472	.25	10.56	.39	392	14
9990	.72	.13	1.01	489	.13	.88	.27	122	37
10020	1.03	.14	1.60	488	.22	1.38	.25	133	24
10050	1.06	.04	1.78	487	.07	1.71	.22	161	20
10080	2.50	.07	2.98	485	.20	2.78	.01	111	0
10110	1.11	.05	3.75	474	.19	3.56	.17	320	15
10140	1.81	.05	3.26	482	.15	3.11	.51	171	28
10170	.52	.17	.83	479	.14	.69	.08	132	15
10200	1.01	.05	2.94	479	.14	2.80	.29	277	28
10230	3.86	.03	14.80	471	.48	14.32	.73	370	18
10260	1.09	.09	2.23	480	.19	2.04	.47	187	43
10270	2.82	.06	8.11	478	.46	7.65	.49	271	17
10300	1.86	.05	6.27	478	.34	5.93	.41	318	22
10330	2.46	.02	11.12	475	.17	10.95	.43	445	17
10360	.62	.14	.81	489	.11	.70	.26	112	41
10390	.59	.15	.91	485	.14	.77	.21	130	35
10420	2.74	.05	7.80	480	.38	7.42	.30	270	10
10450	.89	.09	1.53	488	.14	1.39	.30	156	33
10480	1.51	.04	5.30	477	.22	5.08	.22	336	14
10510	1.81	.02	6.34	479	.14	6.20	.32	342	17
10540	2.41	.03	9.84	478	.26	9.58	.40	397	16
10570	1.03	.11	1.59	486	.17	1.42	.29	137	28
10600	.97	.08	1.75	485	.14	1.61	.20	165	20
10630	.80	.13	1.21	489	.16	1.05	.16	131	20
10660	.70	.07	1.50	485	.11	1.39	.10	198	14
10690	.94	.11	1.85	483	.21	1.64	.09	174	9
10720	1.09	.06	2.49	479	.15	2.34	.12	214	11
10750	1.89	.05	5.68	477	.27	5.41	.41	286	21
10780	2.37	.09	5.72	480	.51	5.21	.47	219	19
10810	1.41	.13	1.88	486	.25	1.63	.31	115	21
10840	1.08	.14	1.55	489	.21	1.34	.17	124	15
10870	1.40	.13	1.91	487	.24	1.67	.36	119	25
10900	1.51	.21	1.56	489	.32	1.24	.37	82	24
10930	2.97	.06	7.21	481	.41	6.80	.31	228	10
10960	3.45	.02	11.30	481	.27	11.03	.53	319	15
10990	5.81	.03	29.53	476	.84	28.69	1.26	493	21
11020	3.02	.02	12.24	479	.29	11.95	.67	395	22
11050	5.81	.02	29.20	479	.52	28.68	.96	493	16
11080	7.65	.02	30.90	482	.59	30.31	1.43	396	18
11080	4.82	.01	24.82	478	.35	24.47	.75	507	15
11110	3.25	.03	10.98	481	.31	10.67	.71	328	21
11140	7.54	.01	29.99	483	.37	29.62	1.39	392	18

PCP Morley 6-10-26-7W5 4500 11610 ft

DEPTH	TOC	PI	S1+S2	TMAX	S1	S2	S3	HI	OI
11170	4.40	.01	13.86	485	.15	13.71	.75	311	17
11200	1.33	.00	5.56	492	.00	5.56	.45	418	33
11230	4.27	.04	13.91	481	.56	13.35	.69	312	16
11260	4.42	.02	17.83	481	.32	17.51	.78	396	17
11290	5.70	.03	15.64	488	.48	15.16	1.61	265	28
11320	3.59	.08	6.13	494	.46	5.67	1.38	157	38
11350	4.32	.05	8.08	489	.44	7.64	.93	176	21
11380	5.04	.02	19.95	485	.44	19.51	1.04	387	20
11410	3.20	.12	6.29	487	.76	5.53	1.19	172	37
11440	6.56	.18	11.64	492	2.04	9.60	1.08	146	16
11470	2.52	.10	4.19	497	.41	3.78	.67	150	26
11500	2.18	.11	3.70	496	.40	3.30	.36	151	16
11530	5.04	.07	10.36	490	.73	9.63	.40	191	7
11570	5.43	.14	6.67	498	.93	5.74	.74	105	13
11600	3.66	.12	5.01	502	.59	4.42	.52	120	14
11610	13.35	.08	17.11	488	1.38	15.73	8.25	117	61