



Monthly Crude Oil Royalty/Tax Factor History

		Average Oil Price			Heavy Oil							Southwest Designated Oil							Non-Heavy Oil other than Southwest Designated											
		Heavy	Southwest Designated	Other Non-Heavy																										
Date		HOP	SOP	NOP	Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Old Oil	
Month	Year	(\$/m ³)	(\$/m ³)	(\$/m ³)	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	K	X
Mar.	2024	441	508	561	0.1404	3.51	34.75	2606	28.08	648	30.29	699	0.1447	3.62	35.82	2687	39.74	917	42.62	984	0.1474	3.68	36.48	2736	40.87	943	43.18	997	55.60	1283
Feb.	2024	410	477	524	0.1380	3.45	34.14	2561	27.74	640	30.12	695	0.1429	3.57	35.36	2652	39.37	909	42.43	979	0.1456	3.64	36.04	2703	40.54	936	43.02	993	55.40	1279
Jan.	2024	361	441	495	0.1332	3.33	32.96	2472	27.10	625	29.80	688	0.1404	3.51	34.75	2606	38.87	897	42.18	974	0.1440	3.60	35.64	2673	40.25	929	42.87	989	55.22	1274
Dec.	2023	278	374	467	0.1212	3.03	30.00	2250	25.49	588	28.99	669	0.1346	3.36	33.30	2498	37.68	870	41.59	960	0.1422	3.56	35.20	2640	39.93	922	42.72	986	55.02	1270
Nov.	2023	395	475	577	0.1366	3.42	33.81	2536	27.56	636	30.03	693	0.1428	3.57	35.33	2650	39.34	908	42.42	979	0.1481	3.70	36.66	2750	40.99	946	43.25	998	55.68	1285
Oct.	2023	496	566	654	0.1441	3.60	35.65	2674	28.57	659	30.53	705	0.1476	3.69	36.54	2741	40.33	931	42.92	991	0.1511	3.78	37.39	2804	41.52	958	43.51	1004	56.02	1293
Sep.	2023	553	576	676	0.1470	3.68	36.39	2729	28.97	669	30.74	709	0.1481	3.70	36.65	2749	40.42	933	42.96	992	0.1518	3.79	37.57	2818	41.65	961	43.58	1006	56.10	1295
Aug.	2023	535	544	620	0.1462	3.65	36.18	2714	28.86	666	30.68	708	0.1466	3.67	36.29	2722	40.12	926	42.81	988	0.1499	3.75	37.09	2782	41.31	953	43.40	1002	55.88	1290
Jul.	2023	477	489	560	0.1429	3.57	35.36	2652	28.41	656	30.46	703	0.1436	3.59	35.55	2666	39.52	912	42.51	981	0.1474	3.68	36.47	2735	40.86	943	43.18	997	55.60	1283
Jun.	2023	412	464	519	0.1381	3.45	34.18	2564	27.77	641	30.13	695	0.1420	3.55	35.15	2636	39.20	905	42.35	977	0.1453	3.63	35.97	2698	40.49	935	43.00	992	55.37	1278
May.	2023	408	467	529	0.1378	3.44	34.10	2558	27.72	640	30.11	695	0.1422	3.56	35.20	2640	39.24	906	42.37	978	0.1459	3.65	36.10	2708	40.59	937	43.04	993	55.43	1279
Apr.	2023	448	527	588	0.1409	3.52	34.88	2616	28.15	650	30.32	700	0.1457	3.64	36.07	2705	39.95	922	42.72	986	0.1486	3.72	36.78	2759	41.08	948	43.29	999	55.74	1286
Mar.	2023	350	455	539	0.1319	3.30	32.65	2449	26.93	622	29.71	686	0.1414	3.54	35.00	2625	39.07	902	42.29	976	0.1464	3.66	36.22	2717	40.68	939	43.09	995	55.49	1281
Feb.	2023	323	435	544	0.1285	3.21	31.79	2384	26.46	611	29.48	680	0.1400	3.50	34.64	2598	38.78	895	42.14	973	0.1466	3.67	36.29	2722	40.72	940	43.11	995	55.51	1281
Jan.	2023	308	423	555	0.1263	3.16	31.26	2345	26.17	604	29.33	677	0.1390	3.48	34.41	2581	38.59	891	42.04	970	0.1472	3.68	36.42	2732	40.82	942	43.16	996	55.57	1283
Dec.	2022	284	407	555	0.1224	3.06	30.28	2271	25.63	592	29.07	671	0.1377	3.44	34.08	2556	38.31	884	41.91	967	0.1472	3.68	36.42	2732	40.82	942	43.16	996	55.57	1283
Nov.	2022	384	480	619	0.1356	3.39	33.55	2516	27.42	633	29.96	691	0.1431	3.58	35.41	2656	39.41	910	42.45	980	0.1498	3.75	37.08	2781	41.30	953	43.40	1002	55.87	1289
Oct.	2022	492	566	670	0.1438	3.59	35.59	2669	28.54	659	30.52	704	0.1476	3.69	36.54	2741	40.33	931	42.92	991	0.1516	3.79	37.52	2814	41.62	961	43.56	1005	56.07	1294
Sept.	2022	467	527	624	0.1422	3.56	35.20	2640	28.32	654	30.41	702	0.1457	3.64	36.07	2705	39.95	922	42.72	986	0.1500	3.75	37.13	2785	41.33	954	43.42	1002	55.90	1290
Aug.	2022	502	560	662	0.1444	3.61	35.74	2681	28.62	661	30.56	705	0.1474	3.68	36.47	2735	40.28	930	42.89	990	0.1514	3.78	37.46	2810	41.57	959	43.54	1005	56.05	1294
Jul.	2022	590	639	731	0.1487	3.72	36.80	2760	29.19	674	30.85	712	0.1506	3.76	37.26	2795	40.92	944	43.21	997	0.1534	3.83	37.96	2847	41.94	968	43.72	1009	56.28	1299
Jun.	2022	754	798	860	0.1540	3.85	38.11	2858	29.91	690	31.21	720	0.1551	3.88	38.38	2879	41.83	965	43.67	1008	0.1564	3.91	38.70	2903	42.48	980	43.99	1015	56.61	1307
May.	2022	711	766	825	0.1529	3.82	37.83	2837	29.76	687	31.13	718	0.1543	3.86	38.19	2864	41.68	962	43.59	1006	0.1556	3.89	38.52	2889	42.35	977	43.92	1014	56.53	1305
Apr.	2022	624	694	753	0.1500	3.75	37.13	2785	29.38	678	30.94	714	0.1523	3.81	37.70	2828	41.29	953	43.39	1001	0.1540	3.85	38.11	2858	42.05	971	43.77	1010	56.34	1300
Mar.	2022	673	747	799	0.1517	3.79	37.54	2816	29.60	683	31.05	717	0.1538	3.85	38.07	2855	41.58	960	43.54	1005	0.1551	3.88	38.38	2879	42.25	975	43.87	1013	56.47	1303
Feb.	2022	556	629	669	0.1472	3.68	36.43	2732	28.99	669	30.75	710	0.1502	3.75	37.17	2788	40.85	943	43.17	996	0.1516	3.79	37.51	2813	41.61	960	43.56	1005	56.07	1294
Jan.	2022	437	521	568	0.1401	3.50	34.68	2601	28.04	647	30.27	699	0.1455	3.64	36.00	2700	39.89	921	42.69	985	0.1477	3.69	36.56	2742	40.92	944	43.21	997	55.64	1284
Dec.	2021	341	426	496	0.1308	3.27	32.38	2429	26.78	618	29.64	684	0.1393	3.48	34.47	2585	38.63	892	42.07	971	0.1441	3.60	35.65	2674	40.26	929	42.88	990	55.22	1274
Nov.	2021	440	521	567	0.1403	3.51	34.73	2605	28.07	648	30.28	699	0.1455	3.64	36.00	2700	39.89	921	42.69	985	0.1477	3.69	36.55	2741	40.91	944	43.21	997	55.63	1284
Oct.	2021	479	543	573	0.1430	3.57	35.39	2654	28.43	656	30.46	703	0.1466	3.66	36.27	2720	40.11	926	42.81	988	0.1480	3.70	36.62	2747	40.96	945	43.23	998	55.66	1285
Sept.	2021	402	461	499	0.1373	3.43	33.97	2548	27.65	638	30.07	694	0.1418	3.55	35.10	2633	39.16	904	42.33	977	0.1442	3.61	35.69	2677	40.29	930	42.89	990	55.24	1275
Aug.	2021	376	431	469	0.1348	3.37	33.35	2501	27.31	630	29.91	690	0.1396	3.49	34.56	2592	38.71	893	42.11	972	0.1424	3.56	35.24	2643	39.96	922	42.73	986	55.04	1270
Jul.	2021	403	456	495	0.1373	3.43	33.99	2549	27.66	638	30.08	694	0.1415	3.54	35.02	2627	39.09	902	42.29	976	0.1440	3.60	35.64	2673	40.25	929	42.87	989	55.22	1274
Jun.	2021	392	442	479	0.1363	3.41	33.74	2531	27.53	635	30.01	693	0.1405	3.51	34.77	2608	38.88	897	42.19	974	0.1430	3.57	35.39	2654	40.07	925	42.79	988	55.11	



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Date		HOP	SOP	NOP	Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Old Oil	
Month	Year	(\$/m ³)	(\$/m ³)	(\$/m ³)	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	K	X
Apr.	2020	0	47	81	0.0289	0.72	7.14	536	13.00	300	13.00	300	0.0289	0.72	7.14	536	16.25	375	16.25	375	0.0289	0.72	7.14	536	19.50	450	29.45	680	38.44	887
Mar.	2020	35	123	156	0.0289	0.72	7.14	536	13.00	300	13.00	300	0.0558	1.40	13.82	1037	21.72	501	33.61	776	0.0807	2.02	19.96	1497	28.83	665	37.17	858	48.08	1110
Feb.	2020	141	234	305	0.0708	1.77	17.52	1314	18.67	431	25.59	591	0.1115	2.79	27.59	2069	33.00	762	39.25	906	0.1258	3.15	31.14	2336	36.98	853	41.24	952	53.17	1227
Jan.	2020	207	309	377	0.1034	2.59	25.60	1920	23.08	533	27.79	641	0.1264	3.16	31.29	2347	36.03	832	40.77	941	0.1349	3.37	33.38	2504	38.60	891	42.05	971	54.19	1251
Dec.	2019	238	327	390	0.1125	2.81	27.85	2089	24.31	561	28.40	655	0.1290	3.23	31.93	2395	36.56	844	41.03	947	0.1361	3.40	33.69	2527	38.83	896	42.17	973	54.33	1254
Nov.	2019	284	351	400	0.1224	3.06	30.28	2271	25.63	592	29.07	671	0.1321	3.30	32.68	2451	37.17	858	41.33	954	0.1371	3.43	33.92	2544	39.00	900	42.25	975	54.44	1256
Oct.	2019	298	350	372	0.1247	3.12	30.87	2315	25.96	599	29.23	675	0.1319	3.30	32.65	2449	37.14	857	41.32	954	0.1344	3.36	33.25	2494	38.51	889	42.01	970	54.13	1249
Sept.	2019	319	380	411	0.1279	3.20	31.66	2375	26.39	609	29.44	679	0.1352	3.38	33.45	2509	37.80	872	41.65	961	0.1380	3.45	34.16	2562	39.17	904	42.34	977	54.55	1259
Aug.	2019	308	369	390	0.1263	3.16	31.26	2345	26.17	604	29.33	677	0.1340	3.35	33.17	2488	37.57	867	41.54	959	0.1361	3.40	33.69	2527	38.83	896	42.17	973	54.33	1254
July	2019	318	377	391	0.1278	3.19	31.62	2372	26.37	609	29.43	679	0.1349	3.37	33.38	2504	37.74	871	41.62	961	0.1363	3.41	33.72	2529	38.85	897	42.18	974	54.34	1254
June	2019	292	359	384	0.1237	3.09	30.62	2297	25.82	596	29.16	673	0.1329	3.32	32.90	2468	37.35	862	41.43	956	0.1356	3.39	33.55	2516	38.73	894	42.11	972	54.27	1253
May	2019	394	454	460	0.1365	3.41	33.79	2534	27.55	636	30.03	693	0.1413	3.53	34.98	2624	39.06	902	42.28	976	0.1418	3.54	35.09	2632	39.85	920	42.67	985	54.97	1269
Apr.	2019	384	462	472	0.1356	3.39	33.55	2516	27.42	633	29.96	691	0.1419	3.55	35.12	2634	39.17	904	42.33	977	0.1426	3.56	35.28	2646	39.99	923	42.75	987	55.06	1271
Mar.	2019	343	420	432	0.1311	3.28	32.44	2433	26.81	619	29.66	685	0.1388	3.47	34.35	2576	38.54	890	42.02	970	0.1397	3.49	34.58	2594	39.48	911	42.49	981	54.74	1263
Feb.	2019	316	391	402	0.1275	3.19	31.55	2366	26.33	608	29.41	679	0.1363	3.41	33.72	2529	38.02	878	41.76	964	0.1373	3.43	33.97	2548	39.03	901	42.27	976	54.46	1257
Jan.	2019	216	290	335	0.1064	2.66	26.32	1974	23.47	542	27.99	646	0.1234	3.08	30.54	2291	35.41	817	40.46	934	0.1301	3.25	32.19	2414	37.74	871	41.62	961	53.65	1238
Dec.	2018	0	158	181	0.0289	0.72	7.14	536	13.00	300	13.00	300	0.0818	2.05	20.25	1519	26.99	623	36.24	836	0.0934	2.34	23.12	1734	31.14	719	38.32	884	49.52	1143
Nov.	2018	0	202	272	0.0289	0.72	7.14	536	13.00	300	13.00	300	0.1017	2.54	25.17	1888	31.02	716	38.26	883	0.1201	3.00	29.72	2229	35.94	829	40.72	940	52.53	1212
Oct.	2018	257	355	420	0.1170	2.93	28.96	2172	24.91	575	28.71	663	0.1325	3.31	32.79	2459	37.26	860	41.38	955	0.1388	3.47	34.35	2576	39.31	907	42.40	979	54.63	1261
Sept.	2018	244	348	444	0.1140	2.85	28.21	2116	24.51	566	28.50	658	0.1317	3.29	32.59	2444	37.09	856	41.30	953	0.1407	3.52	34.81	2611	39.64	915	42.57	983	54.84	1266
Aug.	2018	329	407	470	0.1293	3.23	32.00	2400	26.57	613	29.54	682	0.1377	3.44	34.08	2556	38.31	884	41.91	967	0.1424	3.56	35.25	2644	39.97	923	42.73	986	55.04	1270
July	2018	369	434	495	0.1340	3.35	33.17	2488	27.22	628	29.86	689	0.1399	3.50	34.62	2597	38.76	895	42.13	972	0.1440	3.60	35.64	2673	40.25	929	42.87	989	55.22	1274
June	2018	363	428	461	0.1334	3.33	33.01	2476	27.13	626	29.81	688	0.1394	3.49	34.51	2588	38.67	893	42.08	971	0.1418	3.55	35.10	2633	39.86	920	42.68	985	54.98	1269
May	2018	355	426	477	0.1325	3.31	32.79	2459	27.01	623	29.75	687	0.1393	3.48	34.47	2585	38.63	892	42.07	971	0.1429	3.57	35.36	2652	40.05	924	42.77	987	55.09	1271
Apr.	2018	218	320	435	0.1070	2.67	26.47	1985	23.56	544	28.03	647	0.1281	3.20	31.69	2377	36.36	839	40.93	945	0.1400	3.50	34.64	2598	39.52	912	42.51	981	54.76	1264
Mar.	2018	193	280	402	0.0984	2.46	24.35	1826	22.40	517	27.45	634	0.1216	3.04	30.10	2258	35.05	809	40.28	930	0.1373	3.43	33.97	2548	39.03	901	42.27	976	54.46	1257
Feb.	2018	216	291	381	0.1064	2.66	26.32	1974	23.47	542	27.99	646	0.1236	3.09	30.58	2294	35.45	818	40.47	934	0.1353	3.38	33.48	2511	38.68	893	42.09	971	54.23	1252
Jan.	2018	247	327	407	0.1147	2.87	28.39	2129	24.61	568	28.55	659	0.1290	3.23	31.93	2395	36.56	844	41.03	947	0.1377	3.44	34.08	2556	39.11	903	42.31	977	54.51	1258
Dec.	2017	282	349	409	0.1220	3.05	30.19	2264	25.59	591	29.04	670	0.1318	3.29	32.62	2447	37.12	857	41.31	953	0.1379	3.45	34.12	2559	39.14	903	42.32	977	54.53	1259
Nov.	2017	306	360	409	0.1260	3.15	31.18	2339	26.13	603	29.31	676	0.1331	3.33	32.93	2470	37.38	863	41.44	956	0.1379	3.45	34.12	2559	39.14	903	42.32	977	54.53	1259
Oct.	2017	259	309	356	0.1174	2.94	29.06	2180	24.97	576	28.74	663	0.1264	3.16	31.29	2347	36.03	832	40.77	941	0.1326	3.32	32.82	2462	38.20	882	41.85	966	53.94	1245
Sept.	2017	260	299	325	0.1177	2.94	29.12	2184	25.00	577	28.75	664	0.1249	3.12	30.91	2318	35.72	824	40.61	937	0.1287	3.22	31.86	2390	37.50	866	41.50	958	53.50	1235
Aug.	2017	261	294	323	0.1179	2.95	29.17	2188	25.03	578	28.76	664	0.1241	3.10	30.70	2303	35.55	820	40.53	935	0.1285	3.21	31.79	2384	37.45	864	41.48	957	53.47	1234
July	2017	246	277	312	0.1145	2.86	28.33	2125	24.57	567	28.54	659	0.1211	3.03	29.96	2247	34.94	806	40.22	928	0.1269	3.17	31.40	2355	37.17	858	41.33	954	53.29	1230
June	2017	245	285	322	0.1142	2.86	28.27	2120	24.54	566																				



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May	2016	207	255	300	0.1034	2.59	25.60	1920	23.08	533	27.79	641	0.1166	2.91	28.85	2164	34.03	785	39.76	918	0.1251	3.13	30.95	2321	36.83	850	41.17	950	53.08	1225		
Apr.	2016	169	216	263	0.0878	2.19	21.72	1629	20.96	484	26.73	617	0.1064	2.66	26.32	1974	31.96	738	38.73	894	0.1183	2.96	29.27	2195	35.61	822	40.56	936	52.32	1208		
Mar.	2016	137	186	238	0.0678	1.69	16.78	1259	18.27	422	25.38	586	0.0956	2.39	23.65	1774	29.77	687	37.64	869	0.1125	2.81	27.85	2089	34.58	798	40.04	924	51.67	1193		
Feb.	2016	76	132	181	0.0289	0.72	7.14	536	13.00	300	19.67	454	0.0638	1.60	15.80	1185	23.34	539	34.42	794	0.0934	2.34	23.12	1734	31.14	719	38.32	884	49.52	1143		
Jan.	2016	88	151	197	0.0289	0.72	7.14	536	13.00	300	21.42	494	0.0776	1.94	19.20	1440	26.13	603	35.81	826	0.0999	2.50	24.72	1854	32.30	745	38.90	898	50.25	1160		
Dec.	2015	131	183	245	0.0630	1.57	15.59	1169	17.61	406	25.06	578	0.0943	2.36	23.34	1751	29.52	681	37.51	866	0.1142	2.86	28.27	2120	34.89	805	40.19	928	51.87	1197		
Nov.	2015	174	221	292	0.0902	2.26	22.33	1675	21.29	491	26.90	621	0.1078	2.70	26.69	2002	32.26	745	38.88	897	0.1237	3.09	30.62	2297	36.60	845	41.05	947	52.93	1222		
Oct.	2015	217	258	312	0.1066	2.67	26.39	1979	23.51	543	28.01	646	0.1172	2.93	29.01	2176	34.16	788	39.83	919	0.1269	3.17	31.40	2355	37.17	858	41.33	954	53.29	1230		
Sept.	2015	162	210	276	0.0841	2.10	20.81	1561	20.46	472	26.48	611	0.1045	2.61	25.85	1939	31.57	729	38.54	890	0.1209	3.02	29.91	2243	36.08	833	40.79	941	52.61	1214		
Aug.	2015	198	232	273	0.1003	2.51	24.81	1861	22.65	523	27.58	637	0.1110	2.77	27.46	2060	32.89	759	39.20	905	0.1203	3.01	29.77	2233	35.98	830	40.74	940	52.55	1213		
July	2015	317	339	365	0.1276	3.19	31.59	2369	26.35	608	29.42	679	0.1306	3.26	32.32	2424	36.87	851	41.19	951	0.1336	3.34	33.07	2480	38.38	886	41.94	968	54.05	1247		
June	2015	356	384	413	0.1326	3.32	32.82	2462	27.02	624	29.76	687	0.1356	3.39	33.55	2516	37.88	874	41.69	962	0.1382	3.45	34.20	2565	39.20	905	42.35	977	54.57	1259		
May	2015	305	348	382	0.1258	3.15	31.14	2336	26.11	603	29.30	676	0.1317	3.29	32.59	2444	37.09	856	41.30	953	0.1354	3.38	33.50	2513	38.69	893	42.10	972	54.25	1252		
Apr.	2015	250	297	338	0.1154	2.89	28.57	2143	24.70	570	28.60	660	0.1246	3.11	30.83	2312	35.65	823	40.58	937	0.1304	3.26	32.28	2421	37.81	873	41.65	961	53.69	1239		
Mar.	2015	221	262	292	0.1078	2.70	26.69	2002	23.68	547	28.09	648	0.1181	2.95	29.22	2192	34.34	793	39.92	921	0.1237	3.09	30.62	2297	36.60	845	41.05	947	52.93	1222		
Feb.	2015	239	276	302	0.1128	2.82	27.91	2093	24.34	562	28.42	656	0.1209	3.02	29.91	2243	34.90	805	40.20	928	0.1254	3.13	31.03	2327	36.89	851	41.20	951	53.12	1226		
Jan.	2015	181	223	262	0.0934	2.34	23.12	1734	21.73	502	27.11	626	0.1085	2.71	26.84	2013	32.38	747	38.94	899	0.1181	2.95	29.22	2192	35.58	821	40.54	936	52.30	1207		
Dec.	2014	268	306	322	0.1193	2.98	29.53	2215	25.22	582	28.86	666	0.1260	3.15	31.18	2339	35.94	829	40.72	940	0.1283	3.21	31.76	2382	37.43	864	41.46	957	53.45	1234		
Nov.	2014	404	440	464	0.1374	3.44	34.01	2551	27.67	639	30.09	694	0.1403	3.51	34.73	2605	38.85	897	42.18	974	0.1420	3.55	35.15	2636	39.90	921	42.70	986	55.00	1269		
Oct.	2014	452	490	524	0.1412	3.53	34.95	2621	28.19	651	30.34	700	0.1437	3.59	35.56	2667	39.53	912	42.52	981	0.1456	3.64	36.04	2703	40.54	936	43.02	993	55.40	1279		
Sept.	2014	469	504	547	0.1424	3.56	35.24	2643	28.34	654	30.42	702	0.1445	3.61	35.76	2682	39.70	916	42.60	983	0.1468	3.67	36.32	2724	40.75	941	43.12	995	55.53	1282		
Aug.	2014	458	494	553	0.1416	3.54	35.05	2629	28.24	652	30.37	701	0.1439	3.60	35.62	2672	39.58	914	42.54	982	0.1470	3.68	36.39	2729	40.80	942	43.15	996	55.56	1282		
July	2014	512	544	598	0.1450	3.62	35.88	2691	28.69	662	30.60	706	0.1466	3.67	36.29	2722	40.12	926	42.81	988	0.1490	3.73	36.88	2766	41.15	950	43.33	1000	55.78	1287		
June	2014	535	574	635	0.1462	3.65	36.18	2714	28.86	666	30.68	708	0.1480	3.70	36.63	2747	40.40	932	42.95	991	0.1504	3.76	37.23	2792	41.41	956	43.45	1003	55.94	1291		
May	2014	503	554	625	0.1445	3.61	35.75	2681	28.62	661	30.56	705	0.1471	3.68	36.40	2730	40.22	928	42.86	989	0.1501	3.75	37.14	2786	41.34	954	43.42	1002	55.90	1290		
Apr	2014	481	538	597	0.1432	3.58	35.43	2657	28.45	657	30.47	703	0.1463	3.66	36.21	2716	40.06	925	42.78	987	0.1490	3.72	36.87	2765	41.14	950	43.32	1000	55.78	1287		
Mar.	2014	484	545	608	0.1433	3.58	35.47	2660	28.47	657	30.49	704	0.1467	3.67	36.30	2723	40.13	926	42.82	988	0.1494	3.74	36.98	2774	41.22	951	43.36	1001	55.83	1289		
Feb.	2014	495	559	627	0.1440	3.60	35.64	2673	28.56	659	30.53	705	0.1473	3.68	36.46	2735	40.27	929	42.88	990	0.1501	3.75	37.15	2786	41.35	954	43.43	1002	55.91	1290		
Jan.	2014	369	446	522	0.1340	3.35	33.17	2488	27.22	628	29.86	689	0.1408	3.52	34.84	2613	38.94	899	42.22	974	0.1455	3.64	36.01	2701	40.52	935	43.01	993	55.39	1278		
Dec.	2013	303	388	477	0.1255	3.14	31.06	2330	26.06	601	29.28	676	0.1360	3.40	33.65	2524	37.96	876	41.73	963	0.1429	3.57	35.36	2652	40.05	924	42.77	987	55.09	1271		
Nov.	2013	345	405	475	0.1313	3.28	32.50	2438	26.85	620	29.67	685	0.1375	3.44	34.03	2552	38.28	884	41.89	967	0.1428	3.57	35.33	2650	40.03	924	42.76	987	55.08	1271		
Oct.	2013	424	474	548	0.1391	3.48	34.43	2582	27.90	644	30.20	697	0.1427	3.57	35.32	2649	39.33	908	42.41	979	0.1468	3.67	36.33	2725	40.76	941	43.13	995	55.53	1282		
Sept.	2013	493	532	605	0.1439	3.60	35.61	2671	28.54	659	30.52	704	0.1460	3.65	36.14	2711	40.00	923	42.75	987	0.1493	3.73	36.95	2771	41.20	951	43.35	1001	55.81	1288		
Aug.	2013	556	582	630	0.1472	3.68	36.43	2732	28.99	669	30.75	710	0.1483	3.71	36.71	2753	40.47	934	42.99	992	0.1502	3.76	37.18	2789	41.37	955	43.44	1003	55.92	1291		
July	2013	548	577	632</																												



Monthly Crude Oil Royalty/Tax Factor History

		Average Oil Price			Heavy Oil								Southwest Designated Oil								Non-Heavy Oil other than Southwest Designated									
		Heavy	Southwest Designated	Other Non-Heavy																										
Date		HOP	SOP	NOP	Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Old Oil	
Month	Year	(\$/m ³)	(\$/m ³)	(\$/m ³)	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	K	X
June	2012	366	411	468	0.1337	3.34	33.09	2482	27.17	627	29.84	689	0.1380	3.45	34.16	2562	38.38	886	41.94	968	0.1423	3.56	35.22	2642	39.94	922	42.72	986	55.03	1270
May	2012	398	459	504	0.1369	3.42	33.88	2541	27.60	637	30.05	694	0.1417	3.54	35.07	2630	39.13	903	42.31	977	0.1445	3.61	35.76	2682	40.34	931	42.92	991	55.28	1276
Apr.	2012	336	418	467	0.1302	3.25	32.22	2417	26.70	616	29.60	683	0.1386	3.47	34.31	2573	38.50	889	42.00	969	0.1422	3.56	35.20	2640	39.93	922	42.72	986	55.02	1270
Mar.	2012	369	454	487	0.1340	3.35	33.17	2488	27.22	628	29.86	689	0.1413	3.53	34.98	2624	39.06	902	42.28	976	0.1435	3.59	35.52	2664	40.16	927	42.83	989	55.16	1273
Feb.	2012	442	507	555	0.1405	3.51	34.77	2608	28.09	648	30.29	699	0.1447	3.62	35.81	2686	39.73	917	42.62	984	0.1472	3.68	36.42	2732	40.82	942	43.16	996	55.57	1283
Jan.	2012	487	537	581	0.1435	3.59	35.52	2664	28.50	658	30.50	704	0.1463	3.66	36.20	2715	40.05	924	42.78	987	0.1483	3.71	36.70	2753	41.02	947	43.26	998	55.70	1286
Dec.	2011	510	544	587	0.1449	3.62	35.85	2689	28.68	662	30.59	706	0.1466	3.67	36.29	2722	40.12	926	42.81	988	0.1486	3.71	36.77	2758	41.07	948	43.29	999	55.73	1286
Nov.	2011	508	546	590	0.1447	3.62	35.82	2687	28.66	661	30.58	706	0.1467	3.67	36.31	2723	40.14	926	42.82	988	0.1487	3.72	36.80	2760	41.09	948	43.30	999	55.75	1287
Oct.	2011	433	472	525	0.1398	3.49	34.60	2595	28.00	646	30.25	698	0.1426	3.56	35.28	2646	39.30	907	42.40	979	0.1457	3.64	36.05	2704	40.55	936	43.02	993	55.40	1279
Sept.	2011	395	431	516	0.1366	3.42	33.81	2536	27.56	636	30.03	693	0.1396	3.49	34.56	2592	38.71	893	42.11	972	0.1452	3.63	35.93	2695	40.46	934	42.98	992	55.35	1277
Aug.	2011	352	388	484	0.1322	3.30	32.71	2453	26.96	622	29.73	686	0.1360	3.40	33.65	2524	37.96	876	41.73	963	0.1433	3.58	35.47	2660	40.13	926	42.81	988	55.14	1273
July	2011	408	448	537	0.1378	3.44	34.10	2558	27.72	640	30.11	695	0.1409	3.52	34.88	2616	38.97	899	42.24	975	0.1463	3.66	36.20	2715	40.66	938	43.08	994	55.47	1280
June	2011	423	467	555	0.1390	3.48	34.41	2581	27.89	644	30.20	697	0.1422	3.56	35.20	2640	39.24	906	42.37	978	0.1472	3.68	36.42	2732	40.82	942	43.16	996	55.57	1283
May	2011	456	503	586	0.1415	3.54	35.02	2627	28.22	651	30.36	701	0.1445	3.61	35.75	2681	39.68	916	42.59	983	0.1485	3.71	36.76	2757	41.06	948	43.28	999	55.73	1286
Apr.	2011	454	524	619	0.1413	3.53	34.98	2624	28.20	651	30.35	700	0.1456	3.64	36.04	2703	39.92	921	42.71	986	0.1498	3.75	37.08	2781	41.30	953	43.40	1002	55.87	1289
Mar.	2011	407	471	557	0.1377	3.44	34.08	2556	27.71	640	30.10	695	0.1425	3.56	35.27	2645	39.29	907	42.39	978	0.1472	3.68	36.44	2733	40.83	942	43.17	996	55.58	1283
Feb.	2011	317	381	466	0.1276	3.19	31.59	2369	26.35	608	29.42	679	0.1353	3.38	33.48	2511	37.82	873	41.66	962	0.1422	3.55	35.19	2639	39.92	921	42.71	986	55.01	1270
Jan.	2011	382	429	486	0.1354	3.38	33.50	2513	27.40	632	29.95	691	0.1395	3.49	34.53	2590	38.68	893	42.09	971	0.1434	3.59	35.50	2663	40.15	927	42.83	989	55.16	1273
Dec.	2010	411	464	507	0.1380	3.45	34.16	2562	27.76	641	30.13	695	0.1420	3.55	35.15	2636	39.20	905	42.35	977	0.1447	3.62	35.81	2686	40.37	932	42.94	991	55.29	1276
Nov.	2010	397	432	476	0.1368	3.42	33.86	2540	27.59	637	30.04	693	0.1397	3.49	34.58	2594	38.73	894	42.11	972	0.1428	3.57	35.35	2651	40.04	924	42.77	987	55.09	1271
Oct.	2010	315	352	413	0.1273	3.18	31.51	2363	26.31	607	29.40	679	0.1322	3.30	32.71	2453	37.19	858	41.35	954	0.1382	3.45	34.20	2565	39.20	905	42.35	977	54.57	1259
Sept.	2010	306	345	423	0.1260	3.15	31.18	2339	26.13	603	29.31	676	0.1313	3.28	32.50	2438	37.02	854	41.26	952	0.1390	3.48	34.41	2581	39.35	908	42.43	979	54.66	1262
Aug.	2010	352	391	449	0.1322	3.30	32.71	2453	26.96	622	29.73	686	0.1363	3.41	33.72	2529	38.02	878	41.76	964	0.1410	3.53	34.90	2618	39.71	917	42.60	983	54.88	1267
July	2010	371	403	445	0.1342	3.36	33.22	2492	27.24	629	29.87	689	0.1373	3.43	33.99	2549	38.24	883	41.87	966	0.1407	3.52	34.83	2612	39.66	915	42.58	983	54.85	1266
June	2010	356	391	431	0.1326	3.32	32.82	2462	27.02	624	29.76	687	0.1363	3.41	33.72	2529	38.02	878	41.76	964	0.1396	3.49	34.56	2592	39.47	911	42.48	980	54.73	1263
May	2010	312	360	414	0.1269	3.17	31.40	2355	26.25	606	29.38	678	0.1331	3.33	32.93	2470	37.38	863	41.44	956	0.1383	3.46	34.22	2567	39.22	905	42.36	978	54.57	1259
Apr.	2010	404	441	485	0.1374	3.44	34.01	2551	27.67	639	30.09	694	0.1404	3.51	34.75	2606	38.87	897	42.18	974	0.1434	3.58	35.49	2662	40.14	926	42.82	988	55.15	1273
Mar.	2010	408	448	482	0.1378	3.44	34.10	2558	27.72	640	30.11	695	0.1409	3.52	34.88	2616	38.97	899	42.24	975	0.1432	3.58	35.44	2658	40.11	926	42.80	988	55.13	1272
Feb.	2010	401	440	472	0.1371	3.43	33.94	2546	27.64	638	30.07	694	0.1403	3.51	34.73	2605	38.85	897	42.18	974	0.1426	3.56	35.28	2646	39.99	923	42.75	987	55.06	1271
Jan.	2010	403	444	470	0.1373	3.43	33.99	2549	27.66	638	30.08	694	0.1407	3.52	34.81	2611	38.91	898	42.21	974	0.1424	3.56	35.25	2644	39.97	923	42.73	986	55.04	1270
Dec.	2009	370	401	437	0.1342	3.35	33.20	2490	27.23	628	29.86	689	0.1371	3.43	33.94	2546	38.21	882	41.85	966	0.1401	3.50	34.68	2601	39.55	913	42.53	982	54.78	1264
Nov.	2009	398	424	461	0.1369	3.42	33.88	2541	27.60	637	30.05	694	0.1391	3.48	34.43	2582	38.60	891	42.05	971	0.1418	3.55	35.10	2633	39.86	920	42.68	985	54.98	1269
Oct.	2009	401	423	454	0.1371	3.43	33.94	2546	27.64	638	30.07	694	0.1390	3.48	34.41	2581	38.59	891	42.04	970	0.1413	3.53	34.98	2624	39.77	918	42.64	984	54.92	1268
Sept.	2009	371	394	423	0.1342	3.36	33.22	2492	27.24	629	29.87	689	0.1365	3.41	33.79	2534	38.08	879	41.79	965	0.1390	3.48	34.41	2581	39.35	908	42.43	979	54.66	1262
Aug.	2009	380	403	432																										



Monthly Crude Oil Royalty/Tax Factor History

		Average Oil Price			Heavy Oil								Southwest Designated Oil								Non-Heavy Oil other than Southwest Designated											
		Heavy	Southwest Designated	Other Non-Heavy																												
Date		HOP	SOP	NOP	Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Old Oil			
Month	Year	(\$/m ³)	(\$/m ³)	(\$/m ³)	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	K	X		
July	2008	668	706	782	0.1515	3.79	37.50	2813	29.58	683	31.04	716	0.1527	3.82	37.79	2834	41.36	955	43.43	1002	0.1547	3.87	38.28	2871	42.18	974	43.84	1012	56.42	1302		
June	2008	616	675	770	0.1497	3.74	37.05	2779	29.33	677	30.92	714	0.1518	3.79	37.56	2817	41.17	950	43.33	1000	0.1544	3.86	38.21	2866	42.12	972	43.81	1011	56.39	1301		
May	2008	572	642	718	0.1479	3.70	36.61	2746	29.09	671	30.80	711	0.1507	3.77	37.29	2797	40.94	945	43.22	998	0.1531	3.83	37.88	2841	41.88	967	43.69	1008	56.24	1298		
Apr	2008	514	591	661	0.1451	3.63	35.90	2693	28.71	663	30.60	706	0.1487	3.72	36.81	2761	40.55	936	43.03	993	0.1513	3.78	37.45	2809	41.57	959	43.53	1005	56.04	1293		
Mar.	2008	483	548	607	0.1433	3.58	35.46	2660	28.46	657	30.48	703	0.1468	3.67	36.33	2725	40.16	927	42.83	989	0.1494	3.73	36.97	2773	41.22	951	43.36	1001	55.82	1288		
Feb.	2008	366	445	517	0.1337	3.34	33.09	2482	27.17	627	29.84	689	0.1407	3.52	34.83	2612	38.93	899	42.21	974	0.1452	3.63	35.94	2696	40.47	934	42.99	992	55.36	1278		
Jan.	2008	352	430	518	0.1322	3.30	32.71	2453	26.96	622	29.73	686	0.1396	3.49	34.55	2591	38.70	893	42.10	972	0.1453	3.63	35.96	2697	40.48	934	42.99	992	55.36	1278		
Dec.	2007	200	309	459	0.1010	2.53	25.00	1875	22.75	525	27.63	638	0.1264	3.16	31.29	2347	36.03	832	40.77	941	0.1417	3.54	35.07	2630	39.84	920	42.67	985	54.96	1268		
Nov.	2007	334	397	490	0.1299	3.25	32.16	2412	26.66	615	29.58	683	0.1368	3.42	33.86	2540	38.13	880	41.82	965	0.1437	3.59	35.56	2667	40.19	928	42.85	989	55.18	1274		
Oct.	2007	271	347	422	0.1199	3.00	29.67	2225	25.30	584	28.90	667	0.1316	3.29	32.56	2442	37.07	856	41.29	953	0.1390	3.47	34.39	2579	39.34	908	42.42	979	54.65	1261		
Sep.	2007	272	335	421	0.1201	3.00	29.72	2229	25.33	585	28.92	667	0.1301	3.25	32.19	2414	36.77	849	41.13	949	0.1389	3.47	34.37	2578	39.32	908	42.41	979	54.64	1261		
Aug.	2007	294	347	433	0.1241	3.10	30.70	2303	25.87	597	29.18	673	0.1316	3.29	32.56	2442	37.07	856	41.29	953	0.1398	3.49	34.60	2595	39.50	912	42.50	981	54.75	1264		
July	2007	270	334	439	0.1197	2.99	29.62	2222	25.28	583	28.89	667	0.1299	3.25	32.16	2412	36.74	848	41.12	949	0.1403	3.51	34.72	2604	39.58	914	42.54	982	54.80	1265		
June	2007	254	310	396	0.1163	2.91	28.79	2159	24.82	573	28.66	661	0.1266	3.16	31.33	2350	36.06	832	40.78	941	0.1367	3.42	33.83	2537	38.93	899	42.22	974	54.40	1256		
May	2007	253	315	387	0.1161	2.90	28.74	2156	24.79	572	28.65	661	0.1273	3.18	31.51	2363	36.21	836	40.86	943	0.1358	3.40	33.62	2522	38.78	895	42.14	973	54.30	1253		
Apr.	2007	237	306	386	0.1123	2.81	27.78	2084	24.27	560	28.39	655	0.1260	3.15	31.18	2339	35.94	829	40.72	940	0.1358	3.39	33.60	2520	38.76	895	42.13	972	54.29	1253		
Mar.	2007	279	340	384	0.1214	3.04	30.05	2254	25.51	589	29.01	670	0.1307	3.27	32.35	2426	36.90	852	41.20	951	0.1356	3.39	33.55	2516	38.73	894	42.11	972	54.27	1253		
Feb	2007	250	297	366	0.1154	2.89	28.57	2143	24.70	570	28.60	660	0.1246	3.11	30.83	2312	35.65	823	40.58	937	0.1337	3.34	33.09	2482	38.40	886	41.95	968	54.06	1248		
Jan.	2007	196	247	329	0.0995	2.49	24.63	1847	22.55	520	27.53	635	0.1147	2.87	28.39	2129	33.66	777	39.58	914	0.1293	3.23	32.00	2400	37.60	868	41.55	959	53.56	1236		
Dec.	2006	238	293	366	0.1125	2.81	27.85	2089	24.31	561	28.40	655	0.1239	3.10	30.66	2300	35.52	820	40.51	935	0.1337	3.34	33.09	2482	38.40	886	41.95	968	54.06	1248		
Nov.	2006	215	255	331	0.1060	2.65	26.24	1968	23.43	541	27.97	646	0.1166	2.91	28.85	2164	34.03	785	39.76	918	0.1295	3.24	32.06	2405	37.65	869	41.57	959	53.59	1237		
Oct.	2006	202	245	329	0.1017	2.54	25.17	1888	22.85	527	27.67	639	0.1142	2.86	28.27	2120	33.56	775	39.53	912	0.1293	3.23	32.00	2400	37.60	868	41.55	959	53.56	1236		
Sep.	2006	240	285	368	0.1130	2.83	27.97	2098	24.38	563	28.44	656	0.1225	3.06	30.32	2274	35.24	813	40.37	932	0.1340	3.35	33.15	2486	38.43	887	41.97	969	54.08	1248		
Aug.	2006	350	388	440	0.1319	3.30	32.65	2449	26.93	622	29.71	686	0.1360	3.40	33.65	2524	37.96	876	41.73	963	0.1403	3.51	34.73	2605	39.59	914	42.55	982	54.81	1265		
July	2006	355	405	464	0.1325	3.31	32.79	2459	27.01	623	29.75	687	0.1375	3.44	34.03	2552	38.28	884	41.89	967	0.1420	3.55	35.15	2636	39.90	921	42.70	986	55.00	1269		
June	2006	292	357	425	0.1237	3.09	30.62	2297	25.82	596	29.16	673	0.1327	3.32	32.85	2464	37.31	861	41.40	956	0.1392	3.48	34.45	2584	39.38	909	42.44	980	54.68	1262		
May	2006	336	393	439	0.1302	3.25	32.22	2417	26.70	616	29.60	683	0.1364	3.41	33.76	2532	38.06	878	41.78	964	0.1403	3.51	34.72	2604	39.58	914	42.54	982	54.80	1265		
Apr.	2006	288	354	407	0.1230	3.08	30.45	2284	25.73	594	29.11	672	0.1324	3.31	32.76	2457	37.24	859	41.37	955	0.1377	3.44	34.08	2556	39.11	903	42.31	977	54.51	1258		
Mar.	2006	176	250	342	0.0912	2.28	22.56	1692	21.42	494	26.96	622	0.1154	2.89	28.57	2143	33.80	780	39.65	915	0.1310	3.27	32.41	2431	37.90	875	41.70	962	53.75	1241		
Feb.	2006	123	195	326	0.0558	1.40	13.82	1037	16.65	384	24.57	567	0.0992	2.48	24.54	1841	30.50	704	38.00	877	0.1289	3.22	31.90	2393	37.52	866	41.51	958	53.52	1235		
Jan.	2006	210	272	358	0.1045	2.61	25.85	1939	23.21	536	27.86	643	0.1201	3.00	29.72	2229	34.75	802	40.12	926	0.1329	3.32	32.88	2466	38.24	883	41.87	966	53.96	1245		
Dec.	2005	156	232	325	0.0807	2.02	19.96	1497	20.00	462	26.25	606	0.1110	2.77	27.46	2060	32.89	759	39.20	905	0.1287	3.22	31.86	2390	37.50	866	41.50	958	53.50	1235		
Nov.	2005	177	250	346	0.0916	2.29	22.67	1700	21.48	496	26.99	623	0.1154	2.89	28.57	2143	33.80	780	39.65	915	0.1314	3.29	32.53	2440	37.99	877	41.74	963	53.80	1242		
Oct.	2005	243	307	388	0.1137	2.84	28.15	2111	24.48	565	28.49	658	0.1262	3.15	31.22	2342	35.97	830	40.74	940	0.1360	3.40	33.65	2524	38.80	896	42.15	973	54.31	1253		
Sep.																																



Monthly Crude Oil Royalty/Tax Factor History

		Average Oil Price			Heavy Oil								Southwest Designated Oil								Non-Heavy Oil other than Southwest Designated									
		Heavy	Southwest Designated	Other Non-Heavy																										
Date		HOP	SOP	NOP	Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Old Oil	
Month	Year	(\$/m ³)	(\$/m ³)	(\$/m ³)	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	K	X
Aug.	2004	235	269	320	0.1117	2.79	27.65	2074	24.20	559	28.35	654	0.1195	2.99	29.57	2218	34.63	799	40.06	925	0.1281	3.20	31.69	2377	37.38	863	41.44	956	53.42	1233
July	2004	222	253	294	0.1081	2.70	26.76	2007	23.72	547	28.11	649	0.1161	2.90	28.74	2156	33.94	783	39.72	917	0.1241	3.10	30.70	2303	36.66	846	41.08	948	52.97	1223
June	2004	190	230	277	0.0972	2.43	24.06	1805	22.24	513	27.37	632	0.1104	2.76	27.32	2049	32.78	757	39.14	903	0.1211	3.03	29.96	2247	36.11	833	40.81	942	52.63	1215
May	2004	194	238	290	0.0988	2.47	24.44	1833	22.45	518	27.47	634	0.1125	2.81	27.85	2089	33.21	766	39.36	908	0.1234	3.08	30.54	2291	36.53	843	41.02	947	52.90	1221
Apr.	2004	151	202	259	0.0776	1.94	19.20	1440	19.59	452	26.04	601	0.1017	2.54	25.17	1888	31.02	716	38.26	883	0.1174	2.94	29.06	2180	35.46	818	40.48	934	52.23	1205
Mar.	2004	165	211	259	0.0857	2.14	21.21	1591	20.68	477	26.59	614	0.1048	2.62	25.93	1945	31.64	730	38.57	890	0.1174	2.94	29.06	2180	35.46	818	40.48	934	52.23	1205
Feb.	2004	166	209	247	0.0862	2.16	21.34	1601	20.75	479	26.63	615	0.1041	2.60	25.76	1932	31.50	727	38.50	889	0.1147	2.87	28.39	2129	34.97	807	40.24	929	51.92	1198
Jan.	2004	162	203	239	0.0841	2.10	20.81	1561	20.46	472	26.48	611	0.1021	2.55	25.26	1895	31.09	718	38.30	884	0.1128	2.82	27.91	2093	34.62	799	40.06	925	51.70	1193
Dec.	2003	139	185	221	0.0693	1.73	17.16	1287	18.47	426	25.49	588	0.0952	2.38	23.55	1766	29.69	685	37.59	868	0.1078	2.70	26.69	2002	33.74	779	39.62	914	51.15	1181
Nov.	2003	120	159	208	0.0529	1.32	13.09	982	16.25	375	24.38	563	0.0824	2.06	20.39	1529	27.10	625	36.30	838	0.1038	2.59	25.68	1926	33.00	762	39.25	906	50.69	1170
Oct.	2003	138	170	204	0.0686	1.71	16.97	1273	18.37	424	25.43	587	0.0882	2.21	21.84	1638	28.29	653	36.90	852	0.1024	2.56	25.35	1901	32.75	756	39.13	903	50.53	1166
Sep.	2003	139	165	198	0.0693	1.73	17.16	1287	18.47	426	25.49	588	0.0857	2.14	21.21	1591	27.77	641	36.64	846	0.1003	2.51	24.81	1861	32.37	747	38.93	899	50.29	1161
Aug.	2003	172	202	235	0.0893	2.23	22.09	1657	21.16	488	26.83	619	0.1017	2.54	25.17	1888	31.02	716	38.26	883	0.1117	2.79	27.65	2074	34.44	795	39.97	923	51.59	1191
July	2003	159	190	225	0.0824	2.06	20.39	1529	20.24	467	26.37	609	0.0972	2.43	24.06	1805	30.11	695	37.80	872	0.1090	2.73	26.98	2024	33.94	783	39.72	917	51.28	1184
June	2003	173	203	224	0.0897	2.24	22.21	1666	21.23	490	26.86	620	0.1021	2.55	25.26	1895	31.09	718	38.30	884	0.1087	2.72	26.91	2018	33.89	782	39.70	916	51.25	1183
May	2003	157	190	207	0.0812	2.03	20.10	1508	20.08	463	26.29	607	0.0972	2.43	24.06	1805	30.11	695	37.80	872	0.1034	2.59	25.60	1920	32.94	760	39.22	905	50.65	1169
Apr.	2003	138	179	210	0.0686	1.71	16.97	1273	18.37	424	25.43	587	0.0925	2.31	22.90	1718	29.16	673	37.33	862	0.1045	2.61	25.85	1939	33.12	764	39.31	907	50.76	1172
Mar.	2003	183	224	258	0.0943	2.36	23.34	1751	21.84	504	27.17	627	0.1087	2.72	26.91	2018	32.44	749	38.97	899	0.1172	2.93	29.01	2176	35.42	817	40.46	934	52.20	1205
Feb.	2003	219	258	297	0.1072	2.68	26.54	1991	23.60	545	28.05	647	0.1172	2.93	29.01	2176	34.16	788	39.83	919	0.1246	3.11	30.83	2312	36.75	848	41.12	949	53.03	1224
Jan.	2003	220	255	277	0.1076	2.69	26.62	1997	23.64	546	28.07	648	0.1166	2.91	28.85	2164	34.03	785	39.76	918	0.1211	3.03	29.96	2247	36.11	833	40.81	942	52.63	1215
Dec.	2002	185	220	244	0.0952	2.38	23.55	1766	21.96	507	27.23	628	0.1076	2.69	26.62	1997	32.20	743	38.85	897	0.1140	2.85	28.21	2116	34.84	804	40.17	927	51.84	1196
Nov.	2002	146	180	210	0.0743	1.86	18.39	1379	19.14	442	25.82	596	0.0930	2.32	23.01	1726	29.25	675	37.38	863	0.1045	2.61	25.85	1939	33.12	764	39.31	907	50.76	1172
Oct.	2002	162	197	233	0.0841	2.10	20.81	1561	20.46	472	26.48	611	0.0999	2.50	24.72	1854	30.65	707	38.08	879	0.1112	2.78	27.52	2064	34.34	793	39.92	921	51.53	1189
Sep.	2002	189	218	247	-	-	-	-	22.18	512	27.34	631	-	-	-	-	32.08	740	38.79	895	-	-	-	-	34.97	807	40.24	929	51.92	1198
Aug.	2002	199	223	242	-	-	-	-	22.70	524	27.60	637	-	-	-	-	32.38	747	38.94	899	-	-	-	-	34.76	802	40.13	926	51.79	1195
July	2002	197	215	231	-	-	-	-	22.60	522	27.55	636	-	-	-	-	31.90	736	38.70	893	-	-	-	-	34.24	790	39.87	920	51.47	1188
June	2002	158	183	210	-	-	-	-	20.16	465	26.33	608	-	-	-	-	29.52	681	37.51	866	-	-	-	-	33.12	764	39.31	907	50.76	1172
May	2002	170	197	227	-	-	-	-	21.03	485	26.76	618	-	-	-	-	30.65	707	38.08	879	-	-	-	-	34.05	786	39.77	918	51.34	1185
Apr.	2002	178	210	229	-	-	-	-	21.54	497	27.02	624	-	-	-	-	31.57	729	38.54	890	-	-	-	-	34.15	788	39.82	919	51.40	1186
Mar.	2002	170	199	210	-	-	-	-	21.03	485	26.76	618	-	-	-	-	30.80	711	38.15	881	-	-	-	-	33.12	764	39.31	907	50.76	1172
Feb.	2002	125	156	167	-	-	-	-	16.90	390	24.70	570	-	-	-	-	26.75	617	36.13	834	-	-	-	-	29.93	691	37.72	871	48.77	1126
Jan.	2002	100	129	146	-	-	-	-	13.00	300	22.75	525	-	-	-	-	22.83	527	34.16	788	-	-	-	-	27.69	639	36.60	845	47.37	1093
Dec.	2001	76	108	130	-	-	-	-	13.00	300	19.67	454	-	-	-	-	18.42	425	31.96	738	-	-	-	-	25.50	589	35.50	819	46.00	1062
Nov.	2001	54	89	124	-	-	-	-	13.00	300	14.44	333	-	-	-	-	16.25	375	29.07	671	-	-	-	-	24.53	566	35.02	808	45.40	1048
Oct.	2001	78	112	150	-	-	-	-	13.00	300	20.00	462	-	-	-	-	19.38	447	32.44	749	-	-	-	-	28.17	650	36.83	850	47.67	1100
Sep.	2001	121	153	192	-	-	-	-	16.38	378	24.44	564	-	-	-	-	26.38	609	35.94	829	-	-	-	-	31.96	738	38.73	894	50.04	1155
Aug.	2001	189	213	231	-	-	-	-	22.18	512	27.34	631	-	-	-	-	31.77	733	38.63	892	-	-	-	-	34.24	790	39.87	920	51.47	1188
July	2001	136	176	212	-	-	-	-	18.16	419																				



Monthly Crude Oil Royalty/Tax Factor History

		Average Oil Price			Heavy Oil							Southwest Designated Oil							Non-Heavy Oil other than Southwest Designated											
		Heavy	Southwest Designated	Other Non-Heavy																										
Date		HOP	SOP	NOP	Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Old Oil	
Month	Year	(\$/m ³)	(\$/m ³)	(\$/m ³)	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	K	X
Oct.	2000	140	188	260	-	-	-	-	18.57	429	25.54	589	-	-	-	-	29.94	691	37.72	871	-	-	-	-	35.50	819	40.50	935	52.25	1206
Sep.	2000	211	246	284	-	-	-	-	23.26	537	27.88	643	-	-	-	-	33.61	776	39.55	913	-	-	-	-	36.35	839	40.92	944	52.78	1218
Aug.	2000	205	229	260	-	-	-	-	22.99	531	27.74	640	-	-	-	-	32.73	755	39.11	903	-	-	-	-	35.50	819	40.50	935	52.25	1206
July	2000	192	216	245	-	-	-	-	22.34	516	27.42	633	-	-	-	-	31.96	738	38.73	894	-	-	-	-	34.89	805	40.19	928	51.87	1197
June	2000	209	235	262	-	-	-	-	23.17	535	27.83	642	-	-	-	-	33.05	763	39.28	907	-	-	-	-	35.58	821	40.54	936	52.30	1207
May	2000	189	216	240	-	-	-	-	22.18	512	27.34	631	-	-	-	-	31.96	738	38.73	894	-	-	-	-	34.67	800	40.08	925	51.73	1194
Apr.	2000	154	179	204	-	-	-	-	19.84	458	26.17	604	-	-	-	-	29.16	673	37.33	862	-	-	-	-	32.75	756	39.13	903	50.53	1166
Mar.	2000	195	218	245	-	-	-	-	22.50	519	27.50	635	-	-	-	-	32.08	740	38.79	895	-	-	-	-	34.89	805	40.19	928	51.87	1197
Feb.	2000	194	218	238	-	-	-	-	22.45	518	27.47	634	-	-	-	-	32.08	740	38.79	895	-	-	-	-	34.58	798	40.04	924	51.67	1193
Jan.	2000	166	191	217	-	-	-	-	20.75	479	26.63	615	-	-	-	-	30.19	697	37.84	873	-	-	-	-	33.52	774	39.51	912	51.01	1177
Dec.	1999	153	182	213	-	-	-	-	19.75	456	26.13	603	-	-	-	-	29.43	679	37.46	865	-	-	-	-	33.29	768	39.40	909	50.87	1174
Nov.	1999	144	170	200	-	-	-	-	18.96	438	25.73	594	-	-	-	-	28.29	653	36.90	852	-	-	-	-	32.50	750	39.00	900	50.38	1163
Oct.	1999	150	169	187	-	-	-	-	19.50	450	26.00	600	-	-	-	-	28.19	651	36.85	850	-	-	-	-	31.60	729	38.55	890	49.81	1150
Sep.	1999	173	187	199	-	-	-	-	21.23	490	26.86	620	-	-	-	-	29.86	689	37.68	870	-	-	-	-	32.43	748	38.97	899	50.33	1162
Aug.	1999	147	162	174	-	-	-	-	19.23	444	25.87	597	-	-	-	-	27.44	633	36.47	842	-	-	-	-	30.56	705	38.03	878	49.16	1135
July	1999	129	145	161	-	-	-	-	17.38	401	24.94	576	-	-	-	-	25.33	585	35.41	817	-	-	-	-	29.35	677	37.43	864	48.41	1117
June	1999	104	122	136	-	-	-	-	13.75	317	23.13	534	-	-	-	-	21.52	497	33.51	773	-	-	-	-	26.38	609	35.94	829	46.55	1074
May	1999	100	119	136	-	-	-	-	13.00	300	22.75	525	-	-	-	-	20.92	483	33.21	766	-	-	-	-	26.38	609	35.94	829	46.55	1074
Apr.	1999	100	119	136	-	-	-	-	13.00	300	22.75	525	-	-	-	-	20.92	483	33.21	766	-	-	-	-	26.38	609	35.94	829	46.55	1074
Mar.	1999	97	111	121	-	-	-	-	13.00	300	22.45	518	-	-	-	-	19.15	442	32.32	746	-	-	-	-	24.01	554	34.76	802	45.07	1040
Feb.	1999	69	85	95	-	-	-	-	13.00	300	18.37	424	-	-	-	-	16.25	375	28.29	653	-	-	-	-	19.50	450	31.82	734	41.39	955
Jan.	1999	67	84	97	-	-	-	-	13.00	300	17.95	414	-	-	-	-	16.25	375	28.09	648	-	-	-	-	19.50	450	32.10	741	41.75	964
Dec.	1998	51	69	84	-	-	-	-	13.00	300	13.38	309	-	-	-	-	16.25	375	24.30	561	-	-	-	-	19.50	450	30.02	693	39.15	904
Nov.	1998	66	85	102	-	-	-	-	13.00	300	17.73	409	-	-	-	-	16.25	375	28.29	653	-	-	-	-	20.01	462	32.75	756	42.57	983
Oct.	1998	82	100	116	-	-	-	-	13.00	300	20.61	476	-	-	-	-	16.25	375	30.88	713	-	-	-	-	23.09	533	34.29	791	44.49	1027
Sep.	1998	86	105	120	-	-	-	-	13.00	300	21.16	488	-	-	-	-	17.64	407	31.57	729	-	-	-	-	23.83	550	34.67	800	44.96	1038
Aug.	1998	73	88	103	-	-	-	-	13.00	300	19.14	442	-	-	-	-	16.25	375	28.88	667	-	-	-	-	20.26	468	32.88	759	42.72	986
July	1998	68	85	103	-	-	-	-	13.00	300	18.16	419	-	-	-	-	16.25	375	28.29	653	-	-	-	-	20.26	468	32.88	759	42.72	986
June	1998	50	67	93	-	-	-	-	13.00	300	13.00	300	-	-	-	-	16.25	375	23.67	546	-	-	-	-	19.50	450	31.52	727	41.03	947
May	1998	50	67	100	-	-	-	-	13.00	300	13.00	300	-	-	-	-	16.25	375	23.67	546	-	-	-	-	19.50	450	32.50	750	42.25	975
Apr.	1998	50	68	103	-	-	-	-	13.00	300	13.00	300	-	-	-	-	16.25	375	23.99	554	-	-	-	-	20.26	468	32.88	759	42.72	986
Mar.	1998	50	62	98	-	-	-	-	13.00	300	13.00	300	-	-	-	-	16.25	375	21.91	506	-	-	-	-	19.50	450	32.23	744	41.92	968
Feb.	1998	50	69	108	-	-	-	-	13.00	300	13.00	300	-	-	-	-	16.25	375	24.30	561	-	-	-	-	21.43	495	33.46	772	43.45	1003
Jan.	1998	50	-	115	-	-	-	-	13.00	300	13.00	300	-	-	-	-	-	-	-	-	-	-	-	-	22.89	528	34.20	789	44.37	1024
Dec.	1997	51	-	127	-	-	-	-	13.00	300	13.38	309	-	-	-	-	-	-	-	-	-	-	-	-	25.03	578	35.26	814	45.70	1055
Nov.	1997	74	-	146	-	-	-	-	13.00	300	19.32	446	-	-	-	-	-	-	-	-	-	-	-	-	27.69	639	36.60	845	47.37	1093
Oct.	1997	101	-	156	-	-	-	-	13.19	304	22.85	527	-	-	-	-	-	-	-	-	-	-	-	-	28.83	665	37.17	858	48.08	1110
Sep.	1997	92	-	143	-	-	-	-	13.00	300	21.90	505	-	-	-	-	-	-	-	-	-	-	-	-	27.32	631	36.41	840	47.14	1088
Aug.	1997	98	-	145	-	-	-	-	13.00	300	22.55	520	-	-	-	-	-	-	-	-	-	-	-	-	27.57	636	36.53	843	47.29	1091
July	1997	93	-	140	-	-	-	-	13.00	300	22.02	508	-	-	-	-	-	-	-	-	-	-	-	-	26.93	622	36.21	836	46.89	1082
June	1997	85	-	136	-	-	-	-	13.00	300	21.03	485	-	-	-	-	-	-	-	-	-	-	-	-	26.38	609	35.94	829	46.55	1074
May	1997	96	-	148	-	-	-	-	13.00	300	22.34	516	-	-	-	-	-	-	-	-	-	-	-	-	27.93	645	36.72	847	47.52	1097
Apr.	1997	87	-	139	-	-	-	-	13.00	300	21.29	491	-	-	-	-	-	-	-	-	-	-	-	-	26.79	618	36.15	834	46.81	1080
Mar.	1997	98	-	150	-	-	-	-	13.00	300	22.55	520	-	-	-	-	-	-	-	-	-	-	-	-	28.17	650	36.83	850	47.67	1100
Feb.	1997	102	-	158	-	-	-	-	13.38	309	22.94	529	-	-	-	-	-	-	-	-	-	-	-	-	29.04	670	37.27	860	48.22	1113
Jan.	1997	121	-	180	-	-	-	-	16.38	378	24.44	564	-	-	-	-	-	-	-	-	-	-	-	-	31.06	717	38.28	884	49.47	1142
Dec.	1996	114	-	181	-	-	-	-	15.39	355	23.95	553	-	-	-	-	-	-	-	-	-	-	-	-	31.14	719	38.32	884	49.52	1143



Monthly Crude Oil Royalty/Tax Factor History

		Average Oil Price			Heavy Oil						Southwest Designated Oil						Non-Heavy Oil other than Southwest Designated													
		Heavy	Southwest Designated	Other Non-Heavy																										
Date		HOP	SOP	NOP	Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Old Oil	
Month	Year	(\$/m ³)	(\$/m ³)	(\$/m ³)	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	K	X
Nov.	1996	107	-	167	-	-	-	-	14.28	330	23.39	540	-	-	-	-	-	-	-	-	-	-	-	-	29.93	691	37.72	871	48.77	1126
Oct.	1996	144	-	188	-	-	-	-	18.96	438	25.73	594	-	-	-	-	-	-	-	-	-	-	-	31.67	731	38.59	891	49.86	1151	
Sep.	1996	152	-	185	-	-	-	-	19.67	454	26.09	602	-	-	-	-	-	-	-	-	-	-	-	31.45	726	38.47	888	49.72	1148	
Aug.	1996	139	-	170	-	-	-	-	18.47	426	25.49	588	-	-	-	-	-	-	-	-	-	-	-	30.21	697	37.85	874	48.94	1130	
July	1996	135	-	165	-	-	-	-	18.06	417	25.28	583	-	-	-	-	-	-	-	-	-	-	-	29.74	686	37.62	868	48.65	1123	
June	1996	130	-	156	-	-	-	-	17.50	404	25.00	577	-	-	-	-	-	-	-	-	-	-	-	28.83	665	37.17	858	48.08	1110	
May	1996	129	-	162	-	-	-	-	17.38	401	24.94	576	-	-	-	-	-	-	-	-	-	-	-	29.45	680	37.48	865	48.47	1119	
Apr.	1996	146	-	178	-	-	-	-	19.14	442	25.82	596	-	-	-	-	-	-	-	-	-	-	-	30.89	713	38.20	882	49.37	1139	
Mar.	1996	120	-	156	-	-	-	-	16.25	375	24.38	563	-	-	-	-	-	-	-	-	-	-	-	28.83	665	37.17	858	48.08	1110	
Feb.	1996	88	-	131	-	-	-	-	13.00	300	21.42	494	-	-	-	-	-	-	-	-	-	-	-	25.65	592	35.58	821	46.10	1064	
Jan.	1996	80	-	126	-	-	-	-	13.00	300	20.31	469	-	-	-	-	-	-	-	-	-	-	-	24.87	574	35.18	812	45.60	1052	
Dec.	1995	80	-	127	-	-	-	-	13.00	300	20.31	469	-	-	-	-	-	-	-	-	-	-	-	25.03	578	35.26	814	45.70	1055	
Nov.	1995	75	-	118	-	-	-	-	13.00	300	19.50	450	-	-	-	-	-	-	-	-	-	-	-	23.47	542	34.48	796	44.73	1032	
Oct.	1995	80	-	116	-	-	-	-	13.00	300	20.31	469	-	-	-	-	-	-	-	-	-	-	-	23.09	533	34.29	791	44.49	1027	
Sep.	1995	105	-	128	-	-	-	-	13.93	322	23.21	536	-	-	-	-	-	-	-	-	-	-	-	25.19	581	35.34	816	45.80	1057	
Aug.	1995	109	-	131	-	-	-	-	14.61	337	23.56	544	-	-	-	-	-	-	-	-	-	-	-	25.65	592	35.58	821	46.10	1064	
July	1995	105	-	125	-	-	-	-	13.93	322	23.21	536	-	-	-	-	-	-	-	-	-	-	-	24.70	570	35.10	810	45.50	1050	
June	1995	117	-	137	-	-	-	-	15.83	365	24.17	558	-	-	-	-	-	-	-	-	-	-	-	26.52	612	36.01	831	46.64	1076	
May	1995	128	-	147	-	-	-	-	17.27	399	24.88	574	-	-	-	-	-	-	-	-	-	-	-	27.81	642	36.66	846	47.45	1095	
Apr.	1995	128	-	150	-	-	-	-	17.27	399	24.88	574	-	-	-	-	-	-	-	-	-	-	-	28.17	650	36.83	850	47.67	1100	
Mar.	1995	115	-	140	-	-	-	-	15.54	359	24.02	554	-	-	-	-	-	-	-	-	-	-	-	26.93	622	36.21	836	46.89	1082	
Feb.	1995	112	-	139	-	-	-	-	15.09	348	23.79	549	-	-	-	-	-	-	-	-	-	-	-	26.79	618	36.15	834	46.81	1080	
Jan.	1995	108	-	135	-	-	-	-	14.44	333	23.47	542	-	-	-	-	-	-	-	-	-	-	-	26.24	606	35.87	828	46.46	1072	
Dec.	1994	93	-	121	-	-	-	-	13.00	300	22.02	508	-	-	-	-	-	-	-	-	-	-	-	24.01	554	34.76	802	45.07	1040	
Nov.	1994	103	-	129	-	-	-	-	13.57	313	23.03	532	-	-	-	-	-	-	-	-	-	-	-	25.34	585	35.42	817	45.90	1059	
Oct.	1994	96	-	120	-	-	-	-	13.00	300	22.34	516	-	-	-	-	-	-	-	-	-	-	-	23.83	550	34.67	800	44.96	1038	
Sep.	1994	94	-	119	-	-	-	-	13.00	300	22.13	511	-	-	-	-	-	-	-	-	-	-	-	23.65	546	34.58	798	44.84	1035	
Aug.	1994	106	-	131	-	-	-	-	14.10	325	23.30	538	-	-	-	-	-	-	-	-	-	-	-	25.65	592	35.58	821	46.10	1064	
July	1994	119	-	143	-	-	-	-	16.11	372	24.31	561	-	-	-	-	-	-	-	-	-	-	-	27.32	631	36.41	840	47.14	1088	
June	1994	113	-	139	-	-	-	-	15.24	352	23.87	551	-	-	-	-	-	-	-	-	-	-	-	26.79	618	36.15	834	46.81	1080	
May	1994	99	-	129	-	-	-	-	13.00	300	22.65	523	-	-	-	-	-	-	-	-	-	-	-	25.34	585	35.42	817	45.90	1059	
Apr.	1994	81	-	112	-	-	-	-	13.00	300	20.46	472	-	-	-	-	-	-	-	-	-	-	-	22.29	514	33.89	782	43.99	1015	
Mar.	1994	59	-	93	-	-	-	-	13.00	300	15.97	369	-	-	-	-	-	-	-	-	-	-	-	19.50	450	31.52	727	41.03	947	
Feb.	1994	57	-	87	-	-	-	-	13.00	300	15.39	355	-	-	-	-	-	-	-	-	-	-	-	19.50	450	30.56	705	39.82	919	
Jan.	1994	58	-	87	-	-	-	-	13.00	300	15.69	362	-	-	-	-	-	-	-	-	-	-	-	19.50	450	30.56	705	39.82	919	
Dec.	1993	57	-	84	-	-	-	-	-	-	15.39	355	-	-	-	-	-	-	-	-	-	-	-	-	-	30.02	693	39.15	904	
Nov.	1993	74	-	104	-	-	-	-	-	-	19.32	446	-	-	-	-	-	-	-	-	-	-	-	-	-	33.00	762	42.88	990	
Oct.	1993	87	-	117	-	-	-	-	-	-	21.29	491	-	-	-	-	-	-	-	-	-	-	-	-	-	34.39	794	44.61	1030	
Sep.	1993	75	-	109	-	-	-	-	-	-	19.50	450	-	-	-	-	-	-	-	-	-	-	-	-	-	33.57	775	43.59	1006	
Aug.	1993	79	-	112	-	-	-	-	-	-	20.16	465	-	-	-	-	-	-	-	-	-	-	-	-	-	33.89	782	43.99	1015	
July	1993	75	-	109	-	-	-	-	-	-	19.50	450	-	-	-	-	-	-	-	-	-	-	-	-	-	33.57	775	43.59	1006	
June	1993	83	-	118	-	-	-	-	-	-	20.75	479	-	-	-	-	-	-	-	-	-	-	-	-	-	34.48	796	44.73	1032	
May	1993	83	-	118	-	-	-	-	-	-	20.75	479	-	-	-	-	-	-	-	-	-	-	-	-	-	34.48	796	44.73	1032	
Apr.	1993	83	-	118	-	-	-	-	-	-	20.75	479	-	-	-	-	-	-	-	-	-	-	-	-	-	34.48	796	44.73	1032	
Mar.	1993	83	-	118	-	-	-	-	-	-	20.75	479	-	-	-	-	-	-	-	-	-	-	-	-	-	34.48	796	44.73	1032	
Feb.	1993	75	-	116	-	-	-	-	-	-	19.50	450	-	-	-	-	-	-	-	-	-	-	-	-	-	34.29	791	44.49	1027	
Jan.	1993	66	-	108	-	-	-	-	-	-	17.73	409	-	-	-	-	-	-	-	-	-	-	-	-	-	33.46	772	43.45	1003	



Monthly Crude Oil Royalty/Tax Factor History

		Average Oil Price			Heavy Oil							Southwest Designated Oil							Non-Heavy Oil other than Southwest Designated											
		Heavy	Southwest Designated	Other Non-Heavy																										
Date		HOP	SOP	NOP	Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Old Oil	
Month	Year	(\$/m ³)	(\$/m ³)	(\$/m ³)	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	K	X
Dec.	1992	80	-	117	-	-	-	-	-	-	20.31	469	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.39	794	44.61	1030
Nov.	1992	86	-	127	-	-	-	-	-	-	21.16	488	-	-	-	-	-	-	-	-	-	-	-	-	-	35.26	814	45.70	1055	
Oct.	1992	103	-	141	-	-	-	-	-	-	23.03	532	-	-	-	-	-	-	-	-	-	-	-	-	-	36.28	837	46.98	1084	
Sep.	1992	97	-	137	-	-	-	-	-	-	22.45	518	-	-	-	-	-	-	-	-	-	-	-	-	-	36.01	831	46.64	1076	
Aug.	1992	90	-	127	-	-	-	-	-	-	21.67	500	-	-	-	-	-	-	-	-	-	-	-	-	-	35.26	814	45.70	1055	
July	1992	97	-	135	-	-	-	-	-	-	22.45	518	-	-	-	-	-	-	-	-	-	-	-	-	-	35.87	828	46.46	1072	
June	1992	97	-	135	-	-	-	-	-	-	22.45	518	-	-	-	-	-	-	-	-	-	-	-	-	-	35.87	828	46.46	1072	
May	1992	85	-	119	-	-	-	-	-	-	21.03	485	-	-	-	-	-	-	-	-	-	-	-	-	-	34.58	798	44.84	1035	
Apr.	1992	78	-	112	-	-	-	-	-	-	20.00	462	-	-	-	-	-	-	-	-	-	-	-	-	-	33.89	782	43.99	1015	
Mar.	1992	63	-	102	-	-	-	-	-	-	17.02	393	-	-	-	-	-	-	-	-	-	-	-	-	-	32.75	756	42.57	983	
Feb.	1992	55	-	98	-	-	-	-	-	-	14.77	341	-	-	-	-	-	-	-	-	-	-	-	-	-	32.23	744	41.92	968	
Jan.	1992	50	-	92	-	-	-	-	-	-	13.00	300	-	-	-	-	-	-	-	-	-	-	-	-	-	31.37	724	40.84	943	
Dec.	1991	50	-	102	-	-	-	-	-	-	13.00	300	-	-	-	-	-	-	-	-	-	-	-	-	-	32.75	756	42.57	983	
Nov.	1991	64	-	122	-	-	-	-	-	-	17.27	399	-	-	-	-	-	-	-	-	-	-	-	-	-	34.84	804	45.18	1043	
Oct.	1991	69	-	130	-	-	-	-	-	-	18.37	424	-	-	-	-	-	-	-	-	-	-	-	-	-	35.50	819	46.00	1062	
Sep.	1991	70	-	121	-	-	-	-	-	-	18.57	429	-	-	-	-	-	-	-	-	-	-	-	-	-	34.76	802	45.07	1040	
Aug.	1991	63	-	123	-	-	-	-	-	-	17.02	393	-	-	-	-	-	-	-	-	-	-	-	-	-	34.93	806	45.29	1045	
July	1991	77	-	123	-	-	-	-	-	-	19.84	458	-	-	-	-	-	-	-	-	-	-	-	-	-	34.93	806	45.29	1045	
June	1991	57	-	109	-	-	-	-	-	-	15.39	355	-	-	-	-	-	-	-	-	-	-	-	-	-	33.57	775	43.59	1006	
May	1991	50	-	108	-	-	-	-	-	-	13.00	300	-	-	-	-	-	-	-	-	-	-	-	-	-	33.46	772	43.45	1003	
Apr.	1991	50	-	108	-	-	-	-	-	-	13.00	300	-	-	-	-	-	-	-	-	-	-	-	-	-	33.46	772	43.45	1003	
Mar.	1991	50	-	96	-	-	-	-	-	-	13.00	300	-	-	-	-	-	-	-	-	-	-	-	-	-	31.96	738	41.57	959	
Feb.	1991	53	-	110	-	-	-	-	-	-	14.10	325	-	-	-	-	-	-	-	-	-	-	-	-	-	33.68	777	43.73	1009	
Jan.	1991	93	-	145	-	-	-	-	-	-	22.02	508	-	-	-	-	-	-	-	-	-	-	-	-	-	36.53	843	47.29	1091	
Dec.	1990	109	-	159	-	-	-	-	-	-	23.56	544	-	-	-	-	-	-	-	-	-	-	-	-	-	37.32	861	48.28	1114	
Nov.	1990	149	-	195	-	-	-	-	-	-	25.96	599	-	-	-	-	-	-	-	-	-	-	-	-	-	38.83	896	50.17	1158	
Oct.	1990	210	-	231	-	-	-	-	-	-	27.86	643	-	-	-	-	-	-	-	-	-	-	-	-	-	39.87	920	51.47	1188	
Sep.	1990	163	-	209	-	-	-	-	-	-	26.52	612	-	-	-	-	-	-	-	-	-	-	-	-	-	39.28	907	50.72	1171	
Aug.	1990	126	-	165	-	-	-	-	-	-	24.76	571	-	-	-	-	-	-	-	-	-	-	-	-	-	37.62	868	48.65	1123	
July	1990	66	-	98	-	-	-	-	-	-	17.73	409	-	-	-	-	-	-	-	-	-	-	-	-	-	32.23	744	41.92	968	
June	1990	56	-	91	-	-	-	-	-	-	15.09	348	-	-	-	-	-	-	-	-	-	-	-	-	-	31.21	720	40.64	938	
May	1990	58	-	105	-	-	-	-	-	-	15.69	362	-	-	-	-	-	-	-	-	-	-	-	-	-	33.12	764	43.02	993	
Apr.	1990	58	-	105	-	-	-	-	-	-	15.69	362	-	-	-	-	-	-	-	-	-	-	-	-	-	33.12	764	43.02	993	
Mar.	1990	77	-	124	-	-	-	-	-	-	19.84	458	-	-	-	-	-	-	-	-	-	-	-	-	-	35.02	808	45.40	1048	
Feb.	1990	90	-	135	-	-	-	-	-	-	21.67	500	-	-	-	-	-	-	-	-	-	-	-	-	-	35.87	828	46.46	1072	
Jan.	1990	90	-	135	-	-	-	-	-	-	21.67	500	-	-	-	-	-	-	-	-	-	-	-	-	-	35.87	828	46.46	1072	
Dec.	1989	82	-	120	-	-	-	-	-	-	20.61	476	-	-	-	-	-	-	-	-	-	-	-	-	-	34.67	800	44.96	1038	
Nov.	1989	88	-	118	-	-	-	-	-	-	21.42	494	-	-	-	-	-	-	-	-	-	-	-	-	-	34.48	796	44.73	1032	
Oct.	1989	88	-	118	-	-	-	-	-	-	21.42	494	-	-	-	-	-	-	-	-	-	-	-	-	-	34.48	796	44.73	1032	
Sep.	1989	88	-	118	-	-	-	-	-	-	21.42	494	-	-	-	-	-	-	-	-	-	-	-	-	-	34.48	796	44.73	1032	
Aug.	1989	81	-	107	-	-	-	-	-	-	20.46	472	-	-	-	-	-	-	-	-	-	-	-	-	-	33.35	770	43.31	1000	
July	1989	97	-	125	-	-	-	-	-	-	22.45	518	-	-	-	-	-	-	-	-	-	-	-	-	-	35.10	810	45.50	1050	
June	1989	90	-	125	-	-	-	-	-	-	21.67	500	-	-	-	-	-	-	-	-	-	-	-	-	-	35.10	810	45.50	1050	
May	1989	90	-	125	-	-	-	-	-	-	21.67	500	-	-	-	-	-	-	-	-	-	-	-	-	-	35.10	810	45.50	1050	
Apr.	1989	90	-	125	-	-	-	-	-	-	21.67	500	-	-	-	-	-	-	-	-	-	-	-	-	-	35.10	810	45.50	1050	
Mar.	1989	77	-	113	-	-	-	-	-	-	19.84	458	-	-	-	-	-	-	-	-	-	-	-	-	-	34.00	785	44.12	1018	
Feb.	1989	66	-	104	-	-	-	-	-	-	17.73	409	-	-	-	-	-	-	-	-	-	-	-	-	-	33.00	762	42.88	990	
Jan.	1989	66	-	104	-	-	-	-	-	-	17.73	409	-	-	-	-	-	-	-	-	-	-	-	-	-	33.00	762	42.88	990	



Monthly Crude Oil Royalty/Tax Factor History

		Average Oil Price			Heavy Oil						Southwest Designated Oil						Non-Heavy Oil other than Southwest Designated													
		Heavy	Southwest Designated	Other Non-Heavy																										
Date		HOP	SOP	NOP	Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Fourth Tier Oil				Third Tier Oil		New Oil		Old Oil	
Month	Year	(\$/m ³)	(\$/m ³)	(\$/m ³)	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	C	D	K	X	K	X	K	X	K	X
Dec.	1988	50	-	87	-	-	-	-	-	-	13.00	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30.56	705	39.82	919
Nov.	1988	50	-	78	-	-	-	-	-	-	13.00	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28.83	665	37.67	869
Oct.	1988	50	-	78	-	-	-	-	-	-	13.00	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28.83	665	37.67	869
Sep.	1988	58	-	87	-	-	-	-	-	-	15.69	362	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30.56	705	39.82	919
Aug.	1988	63	-	91	-	-	-	-	-	-	17.02	393	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31.21	720	40.64	938
July	1988	53	-	85	-	-	-	-	-	-	14.10	325	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30.21	697	39.38	909
June	1988	70	-	100	-	-	-	-	-	-	18.57	429	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32.50	750	42.25	975
May	1988	79	-	105	-	-	-	-	-	-	20.16	465	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.12	764	43.02	993
Apr.	1988	72	-	103	-	-	-	-	-	-	18.96	438	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32.88	759	42.72	986
Mar.	1988	53	-	94	-	-	-	-	-	-	14.10	325	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31.67	731	41.21	951
Feb.	1988	67	-	109	-	-	-	-	-	-	17.95	414	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.57	775	43.59	1006
Jan.	1988	67	-	109	-	-	-	-	-	-	17.95	414	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.57	775	43.59	1006
Dec.	1987	79	-	121	-	-	-	-	-	-	20.16	465	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.76	802	45.07	1040
Nov.	1987	103	-	135	-	-	-	-	-	-	23.03	532	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.87	828	46.46	1072
Oct.	1987	103	-	135	-	-	-	-	-	-	23.03	532	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.87	828	46.46	1072
Sep.	1987	103	-	135	-	-	-	-	-	-	23.03	532	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.87	828	46.46	1072
Aug.	1987	121	-	148	-	-	-	-	-	-	24.44	564	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.72	847	47.52	1097
July	1987	121	-	148	-	-	-	-	-	-	24.44	564	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.72	847	47.52	1097
June	1987	117	-	141	-	-	-	-	-	-	24.17	558	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.28	837	46.98	1084
May	1987	112	-	133	-	-	-	-	-	-	23.79	549	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.73	825	46.28	1068
Apr.	1987	102	-	127	-	-	-	-	-	-	22.94	529	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.26	814	45.70	1055
Mar.	1987	91	-	126	-	-	-	-	-	-	21.79	503	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.18	812	45.60	1052
Feb.	1987	91	-	126	-	-	-	-	-	-	21.79	503	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.18	812	45.60	1052
Jan.	1987	97	-	127	-	-	-	-	-	-	22.45	518	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.26	814	45.70	1055