

**TABLE 6-1  
OTTER CREEK MINE - EXHIBIT 314C  
PRIVATE WELLS WITHIN MODFLOW CALCULATED FIVE FOOT DRAWDOWN ZONE**

GWIC ID	Owner Name	Well Location				Total Depth (feet)	SWL (feet bgs)	Approx. Elevation (feet)	Aquifer of Completion	Completion Interval	Date	Present or Former Use	Potential Impact
		T	R	Section	1/4								
7409	U S FOREST SERVICE * CUSTER	03S	46E	7	ADBB	133	84	3296	125TGRV	n/a	19610501	STOCKWATER	no impact - above the Knobloch Coal
7410	GOV NO. 35-46 * DST NO. 1 * BOTTOM SAMPLE*	03S	46E	8	BD	3601	n/r	3373	211JDRV	2482-3021	n/r	UNUSED	no impact - below Knobloch Coal
100506		03S	46E	8	DDD	3580	n/r	3370	211SNNN	n/a	19900101	UNKNOWN	no impact - below Knobloch Coal
100507	TRUSSLER TOM	03S	46E	13	ACB	460	240	3470**	125TGRV	380-460	19840620	STOCKWATER	No impact - completed in sand below Knobloch
133487	TRUSSLER TOM	03S	46E	13		520	280	3540**	125TGRV	440-520	19860714	DOMESTIC	No impact - completed in sand below Knobloch
7413	HANIC ANTHONY	03S	46E	14	CBCD	54	17	3308	110ALVM	n/a	19580913	DOMESTIC	No impact - completed in gravels
100509	HANIC ANTHONY	03S	46E	14	CC	36	25	n/r	125TGRV	n/a	19120101	STOCKWATER	no impact for intended use - completed in alluvium
7415	WIECHMAN W C	03S	46E	15	CAAA	120	20	3287	125TGRV	n/a	19530101	DOMESTIC	no impact - above the Knobloch Coal
100511	WEISCHMAN L.R.	03S	46E	15	DBC	30	12	3295**	125TGRV (and alluvium)	24-30	19850619	STOCKWATER	no impacts - completed in alluvium above the Knobloch Coal
7416	U S FOREST SERVICE * CUSTER	03S	46E	16	ADCB	152	49	3290	125TGRV	n/a	19550901	STOCKWATER	no impact - above the Knobloch Coal
7417	U S FOREST SERVICE * TARTAR	03S	46E	17	DBDC	150	70	3208	125TGRV	85-135	19620502	DOM. & STOCK	no impacts, completed in sandstone
100513		03S	46E	17	ADB	150	48	3255	125TGRV	n/a	19900101	UNKNOWN	no lithology information, potential slight drawdown if completed in Knobloch; will not impact use
100515	WIECHMAN W.C.	03S	46E	17	DC	140	75	3348	125TGRV	n/a	19460101	DOM. & STOCK	no impact - above the Knobloch Coal
7419	U S FOREST SERVICE * CUSTER	03S	46E	19	ADBA	205	38	3210	125TGRV	n/a	19580701	STOCKWATER	no impact - above the Knobloch Coal
100516	PHILLIPS JAMES JR.	03S	46E	19	AB	140	80	3190**	125TGRV	n/a	19500101	STOCKWATER	Potential slight drawdown; however no completion or lithology information; will not impact use.
100519	U S FOREST SERVICE * CUSTER	03S	46E	20	DBAB	268	60	3450	15TGRV	30-50 and 173 - 268	19650728	STOCKWATER	Potential slight drawdown, screened across shale and coal below; will not impact use.
100520	U S FOREST SERVICE * CUSTER	03S	46E	21	CBBA	193	100	3350	125TGRV	n/a	19600101	STOCKWATER	Potential slight drawdown; however no completion information; will not impact use.
100521	U S FOREST SERVICE * SHEEP WAGON WELL	03S	46E	21	CACD	240	186	3350	125TGRV	190-240	19620609	STOCKWATER	Potential slight drawdown, screened across sandstone and coal below; will not impact use.
100522	WIECHMAN W.C.	03S	46E	22	A	200	100	3350	125TGRV	n/a	19490101	STOCKWATER	no impact - above the Knobloch Coal
100523	CUSTER NATIONAL FOREST	03S	46E	23	AA	50	20	n/r	125TGRV (and alluvium)	30-50	19860716	STOCKWATER	no impacts, screened in alluvium
100524	U S FOREST SERVICE * CUSTER	03S	46E	23	AA	45		3350	110ALVM	n/a	19540601	STOCKWATER	no impacts, screened in alluvium
205088	USDA FOREST SERVICE - SCHOOL HOUSE PIPELINE WELL	03S	46E	23	AAAC	50	25	3345	110ALVM	n/a	n/r	STOCKWATER	no impacts, completed in alluvium
7421	U S FOREST SERVICE * THOMAS DRAW WELL	03S	46E	30	BCDC	170	100	3253	125TGRV	140-170	19620611	STOCKWATER	approx. 20 feet of drawdown is predicted, will not impact use
100529	KNUDSON RANCH CO.	03S	47E	19	CAA	33	18	n/r	125TGRV	20-20	19630101	DOM. & STOCK	no impact, very shallow - likely above coal
161191	KNUDSON LARS	03S	47E	19	DA	38	13	n/r	125TGRV (and alluvium)	19-38	19940628	STOCKWATER	no impact, very shallow - likely above coal
171173	EMPIRE SAND AND GRAVEL	03S	47E	19	DAA	30	20	n/r	125TLCK <sup>1</sup>	20-30	19980525	INDUSTRIAL	no impact, completed in sand and gravels
171158	EMPIRE SAND AND GRAVEL	03S	47E	20	DD	80	28	n/r	125TLCK <sup>2</sup>	50-80	19980525	INDUSTRIAL	no impact for intended use
100533	CUSTER N.F.	03S	47E	30	DB	133	68	n/r	125TGRV	n/a	19600905	STOCKWATER	no impact for intended use
149859	SHY GEORGE	04S	45E	1		65	50	n/r	125TGRV	n/a	1/1/57	STOCKWATER	no impact, shallow - likely above Knobloch coal
101955	TARTER D.B.	04S	45E	12	D	50	30	n/r	125TGRV	n/a	1/1/40	DOM. & STOCK	no impact for intended use
101956	TARTER D.B.	04S	45E	12	AC	55	30	n/r	125TGRV	n/a	1/1/58	STOCKWATER	no impact for intended use
101957	TARTER D.H.	04S	45E	12	CDB	205		n/r	125KNCB	175 - 200	4/20/84	STOCKWATER	will be mined through
191348	TARTER DH	04S	45E	12	AC	55		n/r	125TGRV	n/a	19580101	STOCKWATER	will be mined through
7584	USGS OBS WELL OC83-04	04S	45E	14	CACC	225		3155	125TGRV	165-225	n/r	UNUSED	will be mined through
197214	ROSS DENSON	04S	45E	26	CABD	117.25		3255	125TGRV	n/a	20020718	RESEARCH	may be removed during mining
101974	USFS * CUSTER NF * NORTH FORK THREE MILE WELL	04S	46E	1	DD	80	73	3480	125TGRV	n/a	19600805	STOCKWATER	No impacts, located above coal
7600	USFS * CUSTER NF * THREE MILE WELL	04S	46E	5	BCBC	196	84	3215	125TGRV	n/a	n/r	STOCKWATER	no lithology information, potential slight drawdown if completed in Knobloch; will not impact use
7601	TARTER, ALAN	04S	46E	5	DBAC	50	30	3263	125TGRV	n/a	n/r	DOM. & STOCK	no impacts, above coal
101976		04S	46E	5	BCB	196	n/a	3215	125TGRV	n/a	n/r	UNKNOWN	no lithology information, potential slight drawdown if completed in Knobloch; will not impact use
101977		04S	46E	5	DBC	375	n/a	2970	125TGRV	n/a	n/r	UNKNOWN	no impacts, completed below Knobloch Coal

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GWIC ID	Owner Name	Well Location				Total Depth (feet)	SWL (feet bgs)	Approx. Elevation (feet)	Aquifer of Completion	Completion Interval	Date	Present or Former Use	Potential Impact
		T	R	Section	1/4								
231514	TARTER ALLEN AND JACKIE	04S	46E	5	DA	260	106	3265**	UNASSIGNED (shale and coal)	140-160, 240-260	20061122	DOMESTIC	drawdown expected, screened across shale and coal below; will not impact use
256987	TARTER ALLEN	04S	46E	5	DB	280	120	3265**	UNASSIGNED (coal and sandstone)	220-280	20100719	DOMESTIC	drawdown expected, screened across coal and sandstone below; will not impact use
101978	TARTER DH	04S	46E	6	CAC	40	22	n/r	125TGRV	30-40	19871005	DOM. & STOCK	very shallow - above Knobloch Coal
7602	USFS * CUSTER NF * MCLATCHY DRAW WELL	04S	46E	8	CBCC	110		3245	125TGRV	70-110	19620612	STOCKWATER	no impact - Overburden, limited lateral impacts
7603	USFS * CUSTER NF * MIDDLE PASTURE WELL	04S	46E	9	BBCA	310	189	3290	125TGRV	n/a	19610501	STOCKWATER	TD in sand below Knobloch, no completion information
240586	TARTER, BRYAN	04S	46E	9	ABCC	86	30	3264	UNASSIGNED	60-80	20071011	STOCKWATER	no impact, completed above the Knobloch coal
7604	USFS * CUSTER NF * NUTTER WELL	04S	46E	10	DABC	65	85	3330	125TGRV	n/a	19610501	STOCKWATER	no impact, completed above the Knobloch coal
161285	USFS * CUSTER NF	04S	46E	10	DA	123	55	3330**	125TGRV	83-123	19930527	STOCKWATER	no impact, completed above the Knobloch coal
101982		04S	46E	11	BBB	85		3360	110ALVM	n/a	n/r	UNKNOWN	no impacts, shallow
149839	USFS * CUSTER NF * STAFFORD WELL	04S	46E	11	BBBA	85	85	3357	125TGRV	n/a	19540616	STOCKWATER	no impacts, shallow
101983	SHY GEORGE	04S	46E	12	BBA	320	94	3410**	125TGRV	252-300	19740625	STOCKWATER	no impacts, completed below the Knobloch coal
101984	TRUSLER W W	04S	46E	13	DB	430	100	3430**	125TGRV	n/a	19610101	DOM. & STOCK	no lithology information, potential slight drawdown if completed in Knobloch; will not impact use
101985	CUSTER NATIONAL FOREST	04S	46E	15	CC	182	120	3620**	125TGRV	n/a	19590101	STOCKWATER	no impact, completed above the Knobloch coa
101986	USFS * CUSTER NF * SHORTY RIDGE WELL	04S	46E	15	CC	250	102	3620	125TGRV	n/a	19590430	STOCKWATER	no impact, completed above the Knobloch coa
101987	USFS * CUSTER NF * LOWER 3 MILE WELL	04S	46E	27	BD	196	85	3245	125TGRV (and alluvium)	n/a	19520601	STOCKWATER	no impact, completed above the Knobloch coa
101988		04S	46E	30	BCD	170		3245	125TGRV	n/a	n/r	UNKNOWN	no impact, completed above the Knobloch coa
7608	NEWCOMER EARL & OLA LUE	04S	46E	31	CCCC	240	161	3180	125TGRV	n/a	19480807	DOM. & STOCK	no impact - below Knobloch Coal
7609	NEWCOMER E. * 13.5 M E SONNETTE MONTANA	04S	46E	31	DDBC	18		3212	125TGRV	n/a	n/r	STOCKWATER	no impact, very shallow - likely above coa
101990	NEWCOMER EARL & OLA LUE*WELL#2	04S	46E	31		n/r		n/r	n/r	n/a	19620731	IRRIG. & STOCK	Inadequate information to evaluate
101991	NEWCOMER EARL & OLA LUE*WELL#3	04S	46E	31		20		n/r	125TGRV	n/a	19410101	STOCKWATER	no impact, very shallow - likely above coa
101992	NEWCOMER EARL & OLA LUE*WELL#5	04S	46E	31		n/r		n/r	n/r	n/a	19620731	DOMESTIC	Inadequate information to evaluate
161284	USDA FOREST SERVICE - TENMILE WELL	04S	46E	31	CBCA	280		3215	125TGRV	220-280	19620732	STOCKWATER	no impact - below Knobloch Coal
223879	10 MILE CREEK PIPELINE WELL	04S	46E	31	CBBB	n/r		3211	125TGRV	n/a	n/r	UNASSIGNED	Inadequate information to evaluate
276654	MONTANA BUREAU OF MINES AND GEOLOGY	04S	46E	31	DAAC	71		n/r	UNASSIGNED	51-71	20130925	MONITORING	no impact for intended use
7610	NEWCOMER E. * 13 MI W SONNETTE MONTANA	04S	46E	32	DCDC	65	35	3242	125TGRV	n/a	n/r	STOCKWATER	no impact, completed above the Knobloch coa
101993	NEWCOMER EARL & OLA LUE	04S	46E	32		60	50	3320	125TGRV	n/a	19530101	STOCKWATER	no impact, completed above the Knobloch coa
101994	USFS*CUSTER	04S	46E	33	CC	60	36	3300	125TGRV	n/a	19460710	STOCKWATER	no impact, completed above the Knobloch coa
101995	CUSTER NATIONAL FOREST	04S	46E	33	CC	44	36	3290	125TGRV	n/a	19460101	STOCKWATER	no impact, completed above the Knobloch coa
149840	ROONEY LEWIS	04S	46E	33		200	154	3400**	125TGRV	158-200	19800720	UNASSIGNED	no impact, completed above the Knobloch coa
102001	TRUSLER W.W.	04S	47E	18	CADA	400	artesian	3505	125TGRV	n/a	19320101	DOM. & STOCK	No impact to intended use
102002	MITCHELL JAMES R AND BERTHA B	04S	47E	25		70		n/r	125TGRV	n/a	19360101	DOM. & STOCK	no impact, completed above the Knobloch coa
102003	KNUDSEN RANCH CO.	04S	47E	28	BB	35	24	3270	125TGRV	n/a	19160101	STOCKWATER	no impact, shallow, completed above the Knobloch coa
102004	YAGER JOSEPH	04S	47E	31	DC	33	28	3505	125TGRV	n/a	19330101	DOM. & STOCK	no impact, shallow, completed above the Knobloch coa
127980	CAPRA LOUIS	04S	47E	31	DCD	75	28	n/r	125TGRV	40-75	19920316	STOCKWATER	no impact, shallow, completed above the Knobloch coa
103179	TRUSLER W.C.	05S	46E	2	CB	200	n/r	3370	125TGRV	n/a	19400101	STOCKWATER	no lithology information available, likely completed above Knobloch coal, no impacts
103180	TRUSLER W.C.	05S	46E	3	CA	200	n/r	n/r	125TGRV	n/a	19400101	STOCKWATER	no lithology information available
7791	WATT W. * 11.8 M W SONNETTE MONTANA	05S	46E	4	DACA	70	45	3302	125TGRV	n/a	n/r	STOCKWATER	no impact, shallow, completed above the Knobloch coa
7792	WATT WINSTON * 11.8 MI W SONNETTE MT	05S	46E	4	DACA	70	45	3310	125TGRV (and alluvium)	n/a	n/r	STOCKWATER	no impact, shallow, completed above the Knobloch coa
7793	WATT WINSTON * 11.8 MI W SONNETTE MT	05S	46E	4	DDAB	80	41	3310	125TGRV	n/a	n/r	STOCKWATER	no impact, shallow, completed above the Knobloch coa
103181	WATT WINSTON DAVID & RUTH	05S	46E	4	DA	55	20	3310	125TGRV	n/a	19600101	STOCKWATER	no impact, shallow, completed above the Knobloch coa
103182	WATT DAVID WINSTON	05S	46E	4	DD	55	20	3320	125TGRV	n/a	19490101	STOCKWATER	no impact, shallow, completed above the Knobloch coa
217431	GOODWIN JIM	05S	46E	4	BBD	260	180	3280**	125TGRV	220-250	20030417	DOMESTIC	Potential drawdown, may be completed in top of Knobloch, no expected impacts to intended use.
7794	* CUSTER NF * 1.3 M W SONNETTE MT	05S	46E	5	BDCB	70	42	3255	125TGRV	n/a	n/r	STOCKWATER	no impacts, completed above the Knobloch coal

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103183	U S FOREST SERVICE * CUSTER	05S	46E	5	B	70	63	3255	125TGRV	n/a	19590409	STOCKWATER	no impacts, completed above the Knobloch coal
103184	HORSE CREEK RANCH	05S	46E	8	DC	50	20	3630	125TGRV	30-50	19730606	STOCKWATER	no impact, shallow, completed above the Knobloch coal
103185	SHOCKEY ARTHUR	05S	46E	10	AC	140	100	n/r	125TGRV	30-51	19570901	STOCKWATER	no impacts, completed above the Knobloch coal
103186	SHOCKEY ARTHUR	05S	46E	10	AC	15	4	n/r	125TGRV	n/a	19140101	DOM. & STOCK	no impact, very shallow ; completed above Knobloch coal
103187	SHOCKEY ARTHUR	05S	46E	10	AC	8	4	n/r	125TGRV	n/a	19310101	STOCKWATER	no impact, very shallow ; completed above Knobloch coal
103188	NO OWNER ON RECORD	05S	46E	16	DCC	80	n/r	3260	125TGRV	n/a	19900101	UNKNOWN	no lithology information, no impacts expected, likely above Knobloch coal.
103196	SMITH GEORGE D.	05S	46E	22	DB	37	32	n/r	125TGRV	n/a	19490811	STOCKWATER	no impact, shallow ; completed above Knobloch coal
103197	LEI JOHN*WELL #1	05S	46E	22	DA	310	155	3420**	125TGRV	n/a	19600101	STOCKWATER	no expected impacts, completed above Knobloch coal
103198	PHILLIPS H.I.*WELL #2	05S	46E	23	AD	120	65	3450	125TGRV	n/a	19581101	STOCKWATER	no impacts, completed above the Knobloch coal
103199	PHILLIPS H.I.*WELL #3	05S	46E	23	CA	87	65	n/r	125TGRV	n/a	19610901	STOCKWATER	no impacts, completed above the Knobloch coal
103200	SMITH GEORGE D.	05S	46E	23		49		3410	125TGRV	44-49	19350327	STOCKWATER	no impact, shallow ; completed above Knobloch coal
7799	PHILLIPS C. * 10.3 MI W SONNETTE MT	05S	46E	24	BCCB	30	24	3450	110ALVM	n/a	n/r	DOM. & STOCK	no impact, shallow ; completed in alluvium above Knobloch coal
103201	PHILLIPS H.I.*WELL #1	05S	46E	24	BC	63	24	3450	125TGRV	n/a	19470801	DOMESTIC	no impacts, completed above the Knobloch coal
103202	SMITH AMANDA * WELL #2	05S	46E	24	BD	25		3470	125TGRV	n/a	19120101	STOCKWATER	no impact, shallow ; completed above Knobloch coal
103203	SMITH AMANDA*WELL #1	05S	46E	24	DB	46		n/r	125TGRV	n/a	19611101	STOCKWATER	No completion information, impacts unlikely
144965	DUNNING SIDNEY	05S	46E	24	DD	70	35	n/r	125TGRV	45-70	19880910	STOCKWATER	no impacts, completed above the Knobloch coal
185356	SMITH PAT	05S	46E	24	BD	152	87	3480**	125TGRV	131-152	20001204	STOCKWATER	no impacts, completed above the Knobloch coal
103206	SMITH STEPHEN B. * WELL #2	05S	47E	5	AA	9	3	n/r	125TGRV	n/a	19300101	STOCKWATER	no impact, very shallow ; completed above Knobloch coal
103207	SMITH STEPHEN B.* WELL #1	05S	47E	5	CD	70	38	3645	125TGRV	n/a	19610101	DOMESTIC	no impact, very shallow ; completed above Knobloch coal
103208	SMITH STEPHEN B. * WELL #3	05S	47E	5	CD	9	3	3640	125TGRV	n/a	19300101	STOCKWATER	no impact, very shallow ; completed above Knobloch coal
103209	SMITH STEPHEN B. # 5	05S	47E	5	DC	153	10	n/r	125TGRV	n/a	19611101	STOCKWATER	no impacts, completed above the Knobloch coal
133542	SMITH STEVE	05S	47E	5		50	21	n/r	125TGRV	30-501	19630812	STOCKWATER	no impacts, completed above the Knobloch coal
103210	SMITH STEPHEN B.*WELL #6	05S	47E	6	AB	140	25	3520	125TGRV	n/a	19550101	STOCKWATER	no impacts, completed above the Knobloch coal
103221	CUSTER NAT. FOREST*WELL #1	05S	47E	19	BB	50	36	3500**	125TGRV	0-50	19560901	STOCKWATER	no impacts, completed above the Knobloch coal

1 - Reported as Tullock Member, but log suggests sand and gravel alluvium

2 - Reported as Tullock Member, but log suggest Tongue River Member

\*\* estimated elevation from USGS topo map

n/r = not reported in GWIC

n/a = "not assigned" in GWIC

Legend

125TGRV Tongue River Member of Fort Union Formation

125TLCK Tullock Member of Fort Union Formation

110ALVM Alluvium

211JDRV Judith River Formation of the Montana Group

211SNNN Shannon Sandstone Member

125KNCB Knobloch Coal