



July 15, 2025

Ms. Robin Reilley
Division of Reclamation, Mining and Safety
1313 Sherman Street, Room 215
Denver, CO 80203-2273

RE: Seneca Yoast Mine; C-1994-082: Technical Revision TR54 Adequacy Review Response

Dear Ms. Reilley,

Seneca Properties, LLC (SPL) has reviewed the adequacy review regarding TR54 and is providing the following responses:

Rule 2.07.3

- 1. Please provide proof of Publication
 - a) Proof of publication is attached to this response

Rule 2.05.6

- 2. Please indicate to DRMS that monitoring occurred for the suspended wells for the 2023-2024 water year as per Tab 15of the permit and cite the reference document for this data.
 - a) Suspended wells were re-initiated in 2015-2026 at the start of the final phase III bond release application. A final round of sampling was conducted in the spring of 2025 prior to abandonment for the final termination bond release. Results are attached to this response (Yoast SL9_BR Supplemental GW Data).

Rule 4.05.14, 4.07.3, 4.07.4

- 3. Will any wells including any proposed for reduced monitoring remain post-bond release? If so, please identify them and provide proof these wells are approved to remain for other purposes by the Colorado Division of Water Resources (State Engineer); and/or please provide proof these wells have been legally transferred in accordance with Rule 4.05.14?
 - a) Monitoring Wells YOV30, YW30, YWU30, YWC33, YWCU33, and YAAL 14 will remain post bond release at the request of the landowner, Sage Creek Holdings, LLC property. Copies of well permits with DWR are attached to this submittal.
- 4. Pursuant to Rule 4.07.3(2)(c) please provide abandonment reports for any wells abandoned as per Table 1.
 - a) An abandonment <u>Progress</u> report for the wells that have been abandoned in 2025 is attached to this submittal. The final report will be submitted upon completion of abandonment. Past abandonment reports can be found in Laserfiche.





- 5. Also, Pursuant to Rule 4.07.3(2)(c) please provide abandonment reports for any wells planned to be abandoned prior to final bond release.
 - a) Peabody has not been able to get all the well abandonments completed but continues to work on them and will have them reclaimed by August 1st, 2025 at which time an abandonment report will be submitted to DRMS. These wells include YSAL12, YWU29, YW29, YW28, YWU28, YOV28, and YGAL15

If you have any questions or need additional information, please feel free to contact me.

Sincerely,

Miranda Kawcak Environmental Manager Peabody, Colorado Operations

Mirarda Kawcak

Enclosures:

TR54 Proof of Publication Yoast SL9 BR Supplemental GW Data Yoast Well Abandonment 2025 Progress "Well Permits" zip file

Table 1. Water quality data for well YGAL15 collected in 2025 and the two years prior to approved monitoring cessation.

W-II	D -4-	Depth to	pH, Field	Temp., Field	SpC, Field	Aluminum	Arsenic	Boron	Cadmium	Chloride	Chromium	Copper	Fluoride	Iron
Well	Date	Water ft btoc	S.U.	C	N UMHOS/CM	MG/L	D UG/L	UG/L	UG/L	MG/L	D UG/L	D UG/L	MG/L	D MG/L
YGAL15	5/6/2014	0.38	7.08	7.2	5290	< 0.03	< 1	80	< 5	23	< 10	< 10	0.18	17.2
YGAL15	9/3/2014	1.5		12.9	5180	< 0.03	3	120	< 5	24.3	< 10	< 10	0.25	18.1
YGAL15	5/5/2015	3.83	7.49	7.7	5290	< 0.03	2	90	< 5	5.5	< 10	< 10	0.23	16.3
YGAL15	9/8/2015	4.92	7.26	13.4	4810	< 0.2	3	100	< 30	25	< 50	< 50	0.19	16.4
YGAL15	5/30/2025	3.6	7.1	12		< 1.4	2.9	< 30	< 8	20.3	< 20	< 10	0.19	13.6

Well	Date	Lead D UG/L	Manganese D MG/L	Mercury D UG/L	Nickel D UG/L	Nitrate N. N MG/L	Nitrite N. N MG/L	Selenium D UG/L	Sulfates N MG/L	Sulfide N MG/L	TDS, Lab N MG/L	Zinc D MG/L	Alk. as CaCO3, N MG/L	Calcium D MG/L
YGAL15	5/6/2014	< 30	0.86	< 0.2	< 8	< 0.02	0.03	< 1	3070	1.6	4780	< 0.01	309	487
YGAL15	9/3/2014	< 30	0.86	< 0.2	< 8	< 0.02	< 0.01	< 1	2970	0.05	4820	< 0.01	380	487
YGAL15	5/5/2015	< 30	0.88	< 0.2	< 8	< 0.02	< 0.01	< 1	2820	0.34	4760	< 0.01	378	455
YGAL15	9/8/2015	< 200	0.85	< 0.2	< 40	0.2	0.04	< 1	2410	1.91	4270	< 0.05	358	457
YGAL15	5/30/2025	< 30	0.796	< 0.2	< 8	0.069	< 0.01	< 2	3190	< 0.15	4540	< 0.02	393	423

Well	Date	SpC, Lab N UMHOS/CM	Hardness N MG/L	Magnesium D MG/L	Potassium D MG/L	Sodium D MG/L	SAR N RATIO	Cation / Anion Balance N %	Bicarbonate as HCO3 N MG/L	Carbonate as CO3 N MG/L	Total Suspended Solids N MG/L	Total Dissolved Solids N MG/L
YGAL15	5/6/2014	5170	2110	217	7.1	673	6.45	1.4	377	< 2	52	4680
YGAL15	9/3/2014	5060	2090	212	8.3	686	6.6	1.4	464	< 2	34	4640
YGAL15	5/5/2015	4960	1940	196	6.6	617	6.2	< 0	461	< 2	103	4350
YGAL15	9/8/2015	4790	1940	194	9	599	6	5.6	437	< 2	83	3930
YGAL15	5/30/2025	4680	1880	201	< 0.5	595	6	-5.6	479	< 2	53	4690

Table 2. Water quality data for well YSAL12 collected in 2025 and the two years prior to approved monitoring cessation.

Well	Date	Depth to Water ft btoc	pH, Field N S.U.	Temp., Field N C	SpC, Field N UMHOS/CM	Aluminum D MG/L	Arsenic D UG/L	Boron D UG/L	Cadmium D UG/L	Chloride N MG/L	Chromium D UG/L	Copper D UG/L	Fluoride N MG/L	Iron D MG/L
YSAL12	5/7/2014	0.19	7.26	6.2	830	< 0.03	< 0.2	30	< 5	3.1	< 10	< 10	0.14	< 0.02
YSAL12	9/4/2014	5	7.18	9.4	940	< 0.03	1.3	60	< 5	3.9	< 10	< 10	0.16	1.01
YSAL12	5/11/2015	2.99	7.6	6.8	690	< 0.03	< 0.2	30	< 5	2.6	< 10	< 10	0.16	< 0.02
YSAL12	9/9/2015	7.9	7.15	9	940	< 0.03	1.1	50	< 5	3.8	< 10	< 10	0.17	0.96
YSAL12	5/29/2025	6.6	7.2	11.9	810	0.52	2.1	33	< 8	4.02	< 20	< 10	< 0.15	5.37

Well	Date	Lead D UG/L	Manganese D MG/L	Mercury D UG/L	Nickel D UG/L	Nitrate N. N MG/L	Nitrite N. N MG/L	Selenium D UG/L	Sulfates N MG/L	Sulfide N MG/L	TDS, Lab N MG/L	Zinc D MG/L	Alk. as CaCO3, @ pH 4.5 N MG/L	Calcium D MG/L
YSAL12	5/7/2014	< 30	0.02	< 0.2	< 8	0.1	< 0.01	< 1	190	< 0.02	490	< 0.01	205	87.5
YSAL12	9/4/2014	< 30	0.11	< 0.2	< 8	< 0.02	0.07	< 1	210	< 0.8	600	< 0.01	295	113
YSAL12	5/11/2015	< 30	0.02	< 0.2	< 8	< 0.02	< 0.01	< 1	110	< 0.02	406	< 0.01	257	76.4
YSAL12	9/9/2015	< 30	0.17	< 0.2	< 8	0.19	< 0.01	< 1	190	< 0.02	978	< 0.01	323	108
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YSAL12	5/29/2025	< 30	0.135	< 0.2	< 8	< 0.02	< 0.01	< 2	119	< 0.3	444	< 0.02	265	80.5

Well	Date	SpC, Lab N UMHOS/CM	Hardness N MG/L	Magnesium D MG/L	Potassium D MG/L	Sodium D MG/L	SAR N RATIO	Cation / Anion Balance N %	Bicarbonate as HCO3 N MG/L	Carbonate as CO3 N MG/L	Total Suspended Solids N MG/L	Total Dissolved Solids (Calculated) N MG/L
YSAL12	5/7/2014	770	382	39.6	1.4	13.8	0.31	0.6	250	< 2	32	459
YSAL12	9/4/2014	867	459	43	2.5	34.8	0.71	4.8	360	< 2	4240	589
YSAL12	5/11/2015	641	330	33.8	1.2	12.7	0.31	< -2	313	< 2	52	394
YSAL12	9/9/2015	802	439	41.2	2.5	33.7	0.71	< -4.8	395	< 2	2930	578
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YSAL12	5/29/2025	692	352	36.6	1.16	16.6	0.39	1.3	323	< 2	39	426

Table 3. Water quality data for well YOV28 collected in 2025 and the two years prior to approved monitoring cessation.

Well	Date	Depth to Water ft btoc	pH, Field N S.U.	Temp., Field N C	SpC, Field N UMHOS/CM	Aluminum D MG/L	Arsenic D UG/L	Boron D UG/L	Cadmium D UG/L	Chloride N MG/L	Chromium D UG/L	Copper D UG/L	Fluoride N MG/L	Iron D MG/L
YOV28	5/21/2014	140.61	7.16	10	1460	< 0.03	< 0.2	90	< 5	11.4	< 10	< 10	0.13	0.3
YOV28	9/8/2014	140.51	6.97	10.2	1580	0.06	< 0.2	110	< 5	12.8	< 10	< 10	0.15	0.46
YOV28	6/2/2015	144.28	7.44	10.8	2070	< 0.03	< 0.2	120	< 5	23.6	< 10	< 10	0.21	1.1
YOV28	9/3/2015	142.73	7.28	9.9	2890	< 0.06	< 0.4	260	< 10	37.4	< 20	< 20	0.21	< 0.04
YOV28	5/30/2025	147.5	7.2	9.6	1800	< 0.07	0.29	128	< 8	21.6	< 20	< 10	0.16	0.9

Well	Date	Lead D UG/L	Manganese D MG/L	Mercury D UG/L	Nickel D UG/L	Nitrate N. N MG/L	Nitrite N. N MG/L	Selenium D UG/L	Sulfates N MG/L	Sulfide N MG/L	TDS, Lab N MG/L	Zinc D MG/L	Alk. as CaCO3, @ pH 4.5 N MG/L	Calcium D MG/L
YOV28	5/21/2014	< 30	0.02	< 0.2	< 8	< 0.02	< 0.01	< 1	290	< 0.02	890	< 0.01	430	124
YOV28	9/8/2014	< 30	0.03	< 0.2	< 8	< 0.02	< 0.01	< 1	340	< 0.02	990	< 0.01	541	127
YOV28	6/2/2015	< 30	0.03	< 0.2	< 8	< 0.02	0.03	< 1	540	0.11	1400	< 0.01	592	132
YOV28	9/3/2015	< 60	0.04	< 0.2	< 20	0.93	< 0.01	< 1	930	< 0.02	2070	0.04	701	132
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YOV28	5/30/2025	< 30	0.068	< 0.2	< 8	0.027	< 0.01	< 2	600	0.064	1370	0.133	597	129

Well	Date	SpC, Lab N UMHOS/CM	Hardness N MG/L	Magnesium D MG/L	Potassium D MG/L	Sodium D MG/L	SAR N RATIO	Cation / Anion Balance N %	Bicarbonate as HCO3 N MG/L	Carbonate as CO3 N MG/L	Total Suspended Solids N MG/L	Total Dissolved Solids (Calculated) N MG/L
YOV28	5/21/2014	1400	572	63.8	4.3	105	1.93	3.2	525	< 2	24	857
YOV28	9/8/2014	1480	582	64.4	4.3	130	2.4	< 0	660	< 2	12	1010
YOV28	6/2/2015	1930	604	66.6	4.5	240	4.3	< -2.1	722	< 2	7	1370
YOV28	9/3/2015	2670	644	76.3	5.3	430	7.5	< -4.5	855	< 2	7	2040
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YOV28	5/30/2025	1930	607	69.2	4.4	238	4.3	-4.2	728	< 2	17	1430

Table 4. Water quality data for well YW28 collected in 2025 and the two years prior to approved monitoring cessation.

Well	Date	Depth to Water ft btoc	pH, Field N S.U.	Temp., Field N C	SpC, Field N UMHOS/CM	Aluminum D MG/L	Arsenic D UG/L	Boron D UG/L	Cadmium D UG/L	Chloride N MG/L	Chromium D UG/L	Copper D UG/L	Fluoride N MG/L	Iron D MG/L
YW28	5/21/2014	149.55	7.29	10	1700	< 0.03	4.3	170	< 5	17.8	< 10	< 10	0.13	0.32
YW28	9/8/2014	149.44	7.06	10.3	1580	0.06	3.1	160	< 5	13.6	< 10	< 10	0.12	0.46
YW28	6/2/2015	152.93	7.37	10.4	1430	< 0.03	1.4	120	< 5	11.1	< 10	< 10	0.12	0.52
YW28	9/3/2015	153.19	7.12	9.5	1400	< 0.03	1.7	110	< 5	10.6	< 10	< 10	0.08	0.52
YW28	5/30/2025	165.1	7.3	9.4	1130	< 0.07	3.41	106	< 8	10.7	< 20	< 10	< 0.15	0.24

Well	Date	Lead D UG/L	Manganese D MG/L	Mercury D UG/L	Nickel D UG/L	Nitrate N. N MG/L	Nitrite N. N MG/L	Selenium D UG/L	Sulfates N MG/L	Sulfide N MG/L	TDS, Lab N MG/L	Zinc D MG/L	Alk. as CaCO3, @ pH 4.5 N MG/L	Calcium D MG/L
YW28	5/21/2014	< 30	0.07	< 0.2	< 8	< 0.02	< 0.01	< 1	410	< 0.02	1080	< 0.01	449	115
YW28	9/8/2014	< 30	0.09	< 0.2	< 8	< 0.02	< 0.01	< 1	340	< 0.02	1000	< 0.01	550	128
YW28	6/2/2015	< 30	0.09	< 0.2	< 8	< 0.02	0.03	< 1	280	< 0.02	932	< 0.01	545	133
YW28	9/3/2015	< 30	0.09	< 0.2	< 8	< 0.02	< 0.01	< 1	270	< 0.02	900	< 0.01	558	134
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YW28	5/30/2025	< 30	0.018	< 0.2	< 8	1.59	< 0.01	3.2	253	< 0.02	802	0.062	442	101

Well	Date	SpC, Lab N UMHOS/CM	Hardness N MG/L	Magnesium D MG/L	Potassium D MG/L	Sodium D MG/L	SAR N RATIO	Cation / Anion Balance N %	Bicarbonate as HCO3 N MG/L	Carbonate as CO3 N MG/L	Total Suspended Solids N MG/L	Total Dissolved Solids (Calculated) N MG/L
YW28	5/21/2014	1630	586	72.5	4.6	156	2.84	2.7	548	< 2	< 5	1050
YW28	9/8/2014	1470	643	78.6	4.9	106	1.8	< -2.7	671	< 2	7	1010
YW28	6/2/2015	1340	664	80.7	4.9	58.2	0.99	< -3	665	< 2	< 5	901
YW28	9/3/2015	1270	671	81.7	4.8	50.8	0.86	< -3	681	< 2	9	893
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YW28	5/30/2025	1190	505	61.3	4.11	80.8	1.6	-3.4	539	< 2	8	781

Table 5. Water quality data for well YW29 collected in 2025 and the two years prior to approved monitoring cessation.

Well	Date	Depth to Water ft btoc	pH, Field N S.U.	Temp., Field N C	SpC, Field N UMHOS/CM	Aluminum D MG/L	Arsenic D UG/L	Boron D UG/L	Cadmium D UG/L	Chloride N MG/L	Chromium D UG/L	Copper D UG/L	Fluoride N MG/L	Iron D MG/L
YW29	5/21/2014	177.11	8.21	9.1	830	< 0.03	< 0.2	170	< 5	2.8	< 10	< 10	0.87	< 0.02
YW29	9/8/2014	175.75	8.08	10	830	0.06	< 0.2	170	< 5	2.7	< 10	< 10	0.88	0.08
YW29	6/2/2015	178.09	8.27	9.7	810	0.09	< 0.2	180	< 5	2.9	< 10	< 10	0.86	0.18
YW29	9/3/2015	177.65	8.09	8.9	790	< 0.03	< 0.2	160	< 5	2.7	< 10	< 10	0.94	0.05
YW29	5/29/2025	175.2	7.8	13	680	< 0.07	< 0.4	171	< 8	2.78	< 20	< 10	0.83	0.118

Well	Date	Lead D UG/L	Manganese D MG/L	Mercury D UG/L	Nickel D UG/L	Nitrate N. N MG/L	Nitrite N. N MG/L	Selenium D UG/L	Sulfates N MG/L	Sulfide N MG/L	TDS, Lab N MG/L	Zinc D MG/L	Alk. as CaCO3, @ pH 4.5 N MG/L	Calcium D MG/L
YW29	5/21/2014	< 30	< 0.01	< 0.2	< 8	0.09	< 0.01	< 1	60	< 0.02	450	< 0.01	341	10.2
YW29	9/8/2014	< 30	0.01	< 0.2	< 8	< 0.02	< 0.01	< 1	20	< 0.02	450	< 0.01	419	8.9
YW29	6/2/2015	< 30	< 0.01	< 0.2	< 8	1.34	0.03	< 1	20	0.08	466	0.04	408	7.6
YW29	9/3/2015	< 30	0.01	< 0.2	< 8	0.15	< 0.01	< 1	< 10	< 0.02	450	0.02	415	9.2
YW29	5/29/2025	< 30	< 0.01	0.22	< 8	0.094	< 0.01	< 2	19	< 0.02	466	0.04	413	9.24

Well	Date	SpC, Lab N UMHOS/CM	Hardness N MG/L	Magnesium D MG/L	Potassium D MG/L	Sodium D MG/L	SAR N RATIO	Cation / Anion Balance N %	Bicarbonate as HCO3 N MG/L	Carbonate as CO3 N MG/L	Total Suspended Solids N MG/L	Total Dissolved Solids (Calculated) N MG/L
YW29	5/21/2014	760	44	4.5	2.6	204	13.5	9.4	397	9	19	490
YW29	9/8/2014	755	38	3.7	2.4	168	12	< -4.1	486	12.7	< 5	462
YW29	6/2/2015	774	33	3.5	2.5	198	15	3.8	462	17.8	< 5	491
YW29	9/3/2015	742	38	3.7	2.4	159	11	< -4.9	472	16.6	< 5	441
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YW29	5/29/2025	769	39	3.91	2.4	178	13	-0.6	472	15.6	33	468

Table 6. Water quality data for well YWU28 collected in 2025 and the two years prior to approved monitoring cessation.

Well	Date	Depth to Water ft btoc	pH, Field N S.U.	Temp., Field N C	SpC, Field N UMHOS/CM	Aluminum D MG/L	Arsenic D UG/L	Boron D UG/L	Cadmium D UG/L	Chloride N MG/L	Chromium D UG/L	Copper D UG/L	Fluoride N MG/L	Iron D MG/L
YWU28	5/21/2014	294.01	7.34	11.1	1510	< 0.03	1.2	120	< 5	9.6	< 10	< 10	0.08	0.21
YWU28	9/8/2014	292.85	7.14	11.2	1510	0.07	1.3	130	< 5	9.4	< 10	< 10	0.12	0.15
YWU28	6/2/2015	296.75	7.5	10.6	1390	< 0.03	1.2	120	< 5	9	< 10	< 10	0.11	0.07
YWU28	9/3/2015	297.27	7.27	10.5	1410	< 0.03	1.2	110	< 5	9.1	< 10	< 10	0.07	0.07
YWU28	5/30/2025	309.2	7.1	11	1210	< 0.07	0.62	99	< 8	8.77	< 20	< 10	< 0.15	0.177

Well	Date	Lead D UG/L	Manganese D MG/L	Mercury D UG/L	Nickel D UG/L	Nitrate N. N MG/L	Nitrite N. N MG/L	Selenium D UG/L	Sulfates N MG/L	Sulfide N MG/L	TDS, Lab N MG/L	Zinc D MG/L	Alk. as CaCO3, @ pH 4.5 N MG/L	Calcium D MG/L
YWU28	5/21/2014	< 30	0.14	< 0.2	< 8	< 0.02	< 0.01	< 1	320	< 0.02	940	< 0.01	440	134
YWU28	9/8/2014	< 30	0.15	< 0.2	< 8	< 0.02	< 0.01	< 1	310	< 0.02	950	< 0.01	553	134
YWU28	6/2/2015	< 30	0.16	< 0.2	< 8	0.1	0.03	< 1	270	< 0.2	920	0.02	517	127
YWU28	9/3/2015	< 30	0.17	< 0.2	< 8	< 0.02	< 0.01	< 1	280	< 0.02	940	< 0.01	550	133
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YWU28	5/30/2025	< 30	0.107	< 0.2	< 8	0.509	< 0.01	< 2	265	< 0.02	800	0.062	511	112

Well	Date	SpC, Lab N UMHOS/CM	Hardness N MG/L	Magnesium D MG/L	Potassium D MG/L	Sodium D MG/L	SAR N RATIO	Cation / Anion Balance N %	Bicarbonate as HCO3 N MG/L	Carbonate as CO3 N MG/L	Total Suspended Solids N MG/L	Total Dissolved Solids (Calculated) N MG/L
YWU28	5/21/2014	1420	663	79.8	5.1	77.7	1.33	3	536	< 2	18	891
YWU28	9/8/2014	1390	660	79.1	5	77.5	1.3	< -2.9	674	< 2	12	953
YWU28	6/2/2015	1300	619	73.2	4.8	67.4	1.2	< 0	631	< 2	228	868
YWU28	9/3/2015	1280	652	77.7	4.9	68.1	1.2	< -3	671	< 2	8	909
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YWU28	5/30/2025	1270	563	68.8	4.44	82.3	1.5	-3.2	623	< 2	5	853

Table 7. Water quality data for well YWU29 collected in 2025 and the two years prior to approved monitoring cessation.

Well	Date	Depth to Water ft btoc	pH, Field N S.U.	Temp., Field N C	SpC, Field N UMHOS/CM	Aluminum D MG/L	Arsenic D UG/L	Boron D UG/L	Cadmium D UG/L	Chloride N MG/L	Chromium D UG/L	Copper D UG/L	Fluoride N MG/L	Iron D MG/L
YWU29	5/21/2014	190.69	7.34	10.2	810	< 0.03	< 0.2	110	< 5	2.5	< 10	< 10	0.17	0.51
YWU29	9/8/2014	189.41	7.06	9.9	810	0.04	< 0.2	120	< 5	2.8	< 10	< 10	0.22	0.48
YWU29	6/2/2015	192.68	7.57	9.3	760	0.2	< 0.2	110	< 5	2.7	< 10	< 10	0.22	0.39
YWU29	9/3/2015	193.72	7.16	10.2	770	< 0.03	< 0.2	110	< 5	2.5	< 10	< 10	0.16	0.51
YWU29	5/29/2025	196.3	7.2	11	670	0.254	0.97	113	< 8	2.35	< 20	< 10	0.19	2.03

Well	Date	Lead D UG/L	Manganese D MG/L	Mercury D UG/L	Nickel D UG/L	Nitrate N. N MG/L	Nitrite N. N MG/L	Selenium D UG/L	Sulfates N MG/L	Sulfide N MG/L	TDS, Lab N MG/L	Zinc D MG/L	Alk. as CaCO3, @ pH 4.5 N MG/L	Calcium D MG/L
YWU29	5/21/2014	< 30	0.01	< 0.2	< 8	< 0.02	< 0.01	< 1	30	< 0.02	420	< 0.01	342	70
YWU29	9/8/2014	< 30	0.02	< 0.2	< 8	< 0.02	< 0.01	< 1	30	< 0.02	420	< 0.01	420	69.9
YWU29	6/2/2015	< 30	0.02	< 0.2	< 8	0.33	0.03	< 1	30	< 0.02	430	0.02	397	67.3
YWU29	9/3/2015	< 30	0.02	< 0.2	< 8	< 0.02	< 0.01	< 1	30	< 0.02	426	< 0.01	421	70.7
YWU29	5/29/2025	< 30	0.068	< 0.2	< 8	0.099	< 0.01	< 2	21.1	< 0.15	430	0.084	390	65.5

Well	Date	SpC, Lab N UMHOS/CM	Hardness N MG/L	Magnesium D MG/L	Potassium D MG/L	Sodium D MG/L	SAR N RATIO	Cation / Anion Balance N %	Bicarbonate as HCO3 N MG/L	Carbonate as CO3 N MG/L	Total Suspended Solids N MG/L	Total Dissolved Solids (Calculated) N MG/L
YWU29	5/21/2014	747	343	40.8	3.5	30.9	0.74	4.4	417	< 2	< 5	384
YWU29	9/8/2014	737	341	40.5	3.5	30.7	0.73	< -4.6	513	< 2	6	434
YWU29	6/2/2015	730	324	37.9	3.7	33.5	0.82	< -3.6	484	< 2	< 5	420
YWU29	9/3/2015	708	346	41.1	3.5	29.2	0.69	< -4.6	514	< 2	7	434
		•		•	•	•				•	•	
YWU29	5/29/2025	717	327	39.8	3.62	37.1	0.9	0.6	476	< 2	104	410

Table 8. Water level data for well YOV29 collected in 2025 and 2015 before approved monitoring cessation.

Well	Date	Depth to Water ft btoc
YOV29	6/2/2015	Dry
YOV29	9/3/2015	Dry
YOV29	5/29/2025	Drv

	PUMP INSTALLATION AND TEST REPORT	For Office Use only
10/	STATE OF COLORADO, OFFICE OF THE STATE ENGINEER	RECEIVED
1.	WELL PERMIT NUMBER #046517F	JUL 8 1 1997
2	Mailing Address Drawer D	STATE ENGINEER COLD.
	City, St. Zip Hayden, CO 81639 Phone (970) 276-2607	
з.	WELL LOCATION AS DRILLED: <u>NW</u> 1/4 <u>NE</u> 1/4, Sec. <u>8</u> Twp. <u>DISTANCES FROM SEC, LINES:</u>	
	620 ft. from North Sec. line, and 2220 ft. from East (685) 6	t Sec. line.
	SUBDIVISION: LOT STREET ADDRESS AT WELL LOCATION: 36600 RCR #27, Hayden,	BLOCK FILING(UNIT)
\vdash		
4.		Completed 6-05-97 100550/3/
	Pump Manufacturer GOULDS Pump Design GPM 10 at RPM 3450 . HP 5 . Volt	Model No. 10GS50434 s 460 Full Load Amps 5.7
ļ .	Design GPM 10 at RPM 3450 , HP 5 , Volt Pump Intake Depth 7447 Feet, Brop/Column Pipe Size 11	Inches, Kind Sch. 40 —Galv. —
ļ	ADDITIONAL INFORMATION FOR PUMPS GREATER THAT 50 GPM;	
	TURBINE DRIVER TYPE: Electric Engine Other	
	Design Head feet, Number of Stages, Shaft	size Inches.
-		
5.	OTHER EQUIPMENT:	- Und Dys-Dus Basis
	Airline installed XX Yes No, Orifice Depth ft. 741 . Monitor Tube In Flow Meter Mig. Meter Serial No.	Istalled Lifes Lino, Depth K
	Flow Meter Mfg. Meter Serial No. Meter Serial No. Acre feet, Beginner Beginner Beginner Meter Serial No. Beginner Beginn	inning Reading
\vdash	Wieler Headout dulloris, //	
6.	TEST DATA: Check box if Test data is submitted on Suppleme Date 6-06-97	
	Total Well Depth 1000' Time 8.6 hrs. Static Level 10' Rate (GPM) 10	
	Static Level 10' Rate (GPM) 10 Date Measured 6/0 6/97 Pumping Lvi. 678'	
7.		1 <u>30 oz.</u>
8	. Water Quality analysis available. Yes xt No	<u></u>
9	Remarks	
-). I have read the statements made herein and know the contents thereo	of and that they are true to my knowledge.
110	(Pursuant to Section 24-4-104 (13)(a) C.R.S., the making of false statemed degree and is punishable as a class 1 mlsdemeanor.)	ents herein constitutes perjury in the second
	CONTRACTOR HOWARD'S AGUA SYSTEMS Phone	(970) 824~7053 Lic. No. 1093
	Mailing Address 351 School Street Crais	g, CO 81625
T	Name/Title (Please type or print) Signature	Mitshie 7/28/97
	HOWARD W. RITCHIE- OWNER	Mitchie 7/28/97

INSTRUCTIONS FOR PUMP INSTALLATION REPORT

The report must be typed or printed in <u>BLACK INK</u>. All changes on the form must be initialed and dated. Attach additional sheets if more space is required. Each additional sheet must be identified at the top by the well owner's name, the permit number, form name/number and a sequential page number. Report depths in feet below ground surface.

This form may be reproduced by photocopy methods, or by computer generation with prior approval by the State Engineer. Photocopy reproductions must retain margins and print quality of the original form.

The original form must be submitted to the State Engineer's Office within 60 days after completing the well or 7 days after the permit expiration date, whichever is earlier.

A copy of the form must be provided to the well owner.

If this form is submitted in conjunction with the Well Completion and Test Report, form number GWS-31, ONLY THE PERMIT NUMBER AND OWNER NAME NEED TO BE COMPLETED in items 1 and 2.

- 1. Complete the Permit Number in full.
- 2. Fill in Name and Mailing Address of Well Owner where correspondence should be sent.
- 3. Complete the blocks for the actual location of the well. For wells located in subdivisions the lot, block and subdivision information must also be provided.
- 4. Indicate the type of pump installed and complete the requested information. When installing pumps greater than 50 gpm, complete the additional information in this area.
- 5. Provide the information on other equipment which may be installed in the well.
- 6. Report test data as required by Rule 13.9. Spaces are provided to report all measurements made during the test. The report should show that the test complied with the provisions of the rules. If a test was not performed explain when it will be done. If available, report clock time when measurements were taken.
- 7. Record the type and the amount of disinfection used, how placed and the length of time left in the hole.
- 8. Indicate if a water quality analysis was performed and submit a copy of the report if available.
- 9. Use the remarks area to note any additional information including additional equipment installed, water supply construction problems.
- 10. Fill in Company Name and Address of Contractor who installed pumping equipment. The report must be signed by the licensed contractor responsible for the installation of pumping equipment.

FORM NO. WELL CONSTRUCTION AND TEST	
STATE OF COLORADO, OFFICE OF THE STAT	RECEIVED
1. WELL PERMIT NUMBER O46577-F	OCT 2 1 1996
2 OWNER NAME(S) SONICA COAL CO.	· -
Mailing Address Danwey D City, St. Zip Neydow Colo: 8/639	WATER RESIDENCES STATE ENGINEER COLO.
Phone (970) 276-3707	
3. WELL LOCATION AS DRILLED: N/W 1/4 NE 1/4, Se	ec. <u>8'</u> Twp. <u>5 <u>a/</u>, Range <u>87 ω</u></u>
DISTANCES FROM SEC. LINES: LLO ft. from No Sec. line. and 2200	_ ft. from = Sec. line, OR
(north or south) SUBDIVISION:	(east or weet) LOT BLOCK FILING(UNIT)
STREET ADDRESS AT WELL LOCATION:	
4. GROUND SURFACE ELEVATIONft DI	RILLING METHOD RETURN W/ Mud
	DEPTH / 100 ft. DEPTH COMPLETED / 000 ft.
5. GEOLOGIC LOG:	6. HOLE DIAM. (in.) From (ft) To (ft)
Depth Description of Material (Type, Size, Color, Water Location)	9" _ 0 _ 1000
0-3 top Soil	·
3-75 Silty Chay tow	7 01 401 04000
15-440 Shale 440-450 COAL	7. PLAIN CASING OD (in) Kind Wall Size From(ft) To(ft)
456-660 Sift 3hole GAL	5/2 Stack 1250 -1 160
660-680 551 GAG 680-900 Shale Gal	
200-800 SS. GAU	
808-810 Shale Bry 820-1000 SS. Sal	PERF. CASING: Screen Slot Size: 1060
1800-1100 SS, Silty 12/Part Sewers	Steel
	8. FILTER PACK: 9. PACKER PLACEMENT:
	Material Stlich Sand Type
	Size 8-1-Z
	Interval 700-1000 Depth
	10. GROUTING RECORD: Material Amount Density Interval Placement
REMARKS:	Material Amount Density Interval Placement Quicklesopy 505/29.4 11-700 TKINALE
	Postland 4 SKS 1694 CAL 10-21 POUKEL
11 DISINFECTION: Type Clarax	Amt. Used 3 GAL in displacement water
HOLLANDS TECT DATA.	omitted on Supplemental Form.
Static Level 80 ft. Date/Time measured	, Production Rate gpm.
Pumping levelft. Date/Time measuredft.	, Test length (hrs.)
13. I have read the statements made herein and know the contents thereof, and that the	ney are true to my knowledge. [Pursuant to Section 24-4-104 (13)(a) C.B.S. the making
or take statements nereth constitutes perjure in the second degree and is punish	sable as a class 1 misdemeanor.)
Mailing Address	Phone (<u>130) 824-8215</u> Lic. No. <u>174</u> (
Name/Title (Please type or print) Signature	Date
Case Obentanch O	Ole Cay of 10-18-96
my market y mark Ingl	My 10-18-16

Form No. GWS-26

1.

OFFICE OF THE STATE ENGINEER COLORADO DIVISION OF WATER RESOURCES

818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203 (303) 866-3581

LIC

APPLICANT

WELL PERMIT NUMBER 046517 - F

DIV. 6 CNTY. 54 WD 57 DES. BASIN MD

Lot: Block: Filing: Subdiv:

APPROVED WELL LOCATION

ROUTT COUNTY

NW 1/4 NE 1/4 Section 8

Twp 5 N RANGE 87 W 6th P.M.

DISTANCES FROM SECTION LINES

620 Ft. from North Section Line

2220 Ft. from East

Section Line

(970)276-3707

DRAWER D HAYDEN CO

SENECA COAL CO

PERMIT TO CONSTRUCT A WELL

81639-

ISSUANCE OF THIS PERMIT DOES NOT CONFER A WATER RIGHT CONDITIONS OF APPROVAL

- 1) This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of the permit does not assure the applicant that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.
- 2) The construction of this well shall be in compliance with the Water Well Construction Rules 2 CCR 402-2, unless approval of a variance has been granted by the State Board of Examiners of Water Well Construction and Pump Installation Contractors in accordance with Rule 18.
- 3) Approved pursuant to CRS 37-90-137(2) for the construction of a well to divert ground water tributary to Grassy Creek, a tributary of the Yampa River, at a point where unappropriated water is available for withdrawal.
- The maximum pumping rate shall not exceed 35 GPM.
- The annual amount of ground water to be appropriated shall not exceed 41 acre-feet.
- 6) The use of ground water from this well is limited to drinking, washing, and sanitary uses for mine employees, and for industrial purposes, including dust suppression, equipment washing and reclamation. This well is to be known as the Seneca Yoast Mine Shop Well. (pending court cases 95CW73 and 95CW71)
- 7) The approval of this permit does not grant a water right. This well is subject to administration by the Division Engineer in accordance with applicable decrees, statutes, rules, and regulations.
- 8) A totalizing flow meter must be installed on the well and be maintained in good working order. Permanent records of all diversions must be maintained by the well owner (recorded at least annually) and submitted to the Division Engineer upon request.
- 9) This well shall be constructed not more than 200 feet from the location specified on this permit, and at least 600 feet from any other existing well, unless the other existing well is owned by the applicant.
- 10) The owner shall mark the well in a conspicuous place with well permit number(s), name of the aquifer, and court case number(s) as appropriate. The owner shall take necessary means and precautions to preserve these markings.

APPROVED

Receipt No.

TLC

State Enginee

0398500

DATE ISSUED MAY 08 1996

EXPIRATION DATE MAY 08 1997

COLORADO DIVISION OF WATER RESOURCES DEPARTMENT OF NATURAL RESOURCES 1313 SHERMAN ST., RM. 818, DENVER CO 80203 phone - info: (303) 866-3587 main: (303)866-3581

AP9 n 1 1996

GENERAL PURPOSE

Water Well Permit Applications

	Hons prior to c				6. USE OF WELL	(please atta	ch <i>detailed</i> des	cription)
Name of applicant				· · · · · ·	1 	OTHER:		
					COMMERCIAL			
Seneca Coal	Company	•			☐ MUNICIPAL		d descript:	
Mailing Address					☐ IRRIGATION	is atta	ched as Ex	hibit B
	- 5				FEED LOT - num	nber of head :		
Post Office	Drawer D				7. WELL DATA			
City	-000	State		Zip Code	Meximum pumping rate		Annual emount	
•		CO		01620	35	gpm .		acre-feet
layden		CO		81639	Total depth		Agulfer Trout	Creek
Telephone rumber (Inci	ude aree code)				est. 1220	feet	Sandstone :	Formation
(970) 276-3					8. LAND ON WH			
		4-11	- I- I -		A. LEGAL DESCRIPTIO			
2. TYPE UF A	PPLICATION (спеск аррис	abte	DOX(es))				
■ Construct	new well	Use ex	cist	ng well			scription	- 4
☐ Replace e		☐ Change	or or	Increase Use	/	attached	as Exhibi	t A
☐ Change (so	-	☐ Reapplic	atic	(nameq benique) N				
☐ Other:					(If used for crop irrigation	on, attach scale	d map that shows	irrigated area.)
3. REFER TO	(if applicable):				B. # sores	- ' .	C. Owner/les	see
Water court case #		Permit #			2253.3	•	Seneca Coa	al Company
95 CW	73				D. List any other wells	or water rights	used on this land:	
Emergency Verbal	<u> </u>	Monitoring he	le ac	knowledgment #	Sep. 1	 Cyhibit C	, attached.	
-V		MH-		Ŧ	,566 1	WILLDRE O	, accached	
Well name or #	<u>-</u>	1 1411 1		<u> </u>	9. PROPOSED W	/FIL DRILL	FR (optional)	
Seneca Yoas	t Mine Shop	Well			Name			License number
					-			
4. LOCATION	OF WELL	Quarter/quart		Quarter	40 0/04/47/195	-f1:		
County		NW.			10. SIGNATURE			
Routt			1/4		The making of fals			
Section 8	Township Nor S	Range Eou		Principal Meridian 6th	in the second degr			
	<u> </u>	_ °′ <u>□</u>		<u> </u>	demeanor pursuan			
Distance of well fro	om section lines	_			the statements he	-		reof, and state
	from N D S	2220		t from 🗯 E 🚨 W		to my knowi	edge.	
Wei incesion address. i	f different from applica	nt address Of applic	eppie)		Must be expect signature	_ (/		
					Nemme	<u>~2/X/~</u>	<u> </u>	
					Title		4_4	Date Col
For replacement wells	only - distance and diffe	stion from old well	to min	r wall	Dennis Jones,	Hydrolog	ISC	3/28/96
	feet			direction	OPTIONAL INFO	RMATION		7 1
5. TRACT ON	WHICH WEL	L WILL BE	.00	ATED	USGS map name	77 \	DWR map no.	Surface elev.
A. LEGAL DESCRI	PTION (may be prov	rided as an atte	hme	nt):	Alt. Horris	(1977)	185	
1ec	gal descrip	tion			Office Use Only	- 4 0	- 91	
	tached as E			•	non-erit.) per			
					Vwall Gook -1			
•					1/1/	12 Ble this	rection	ົ co <u>54</u>
B. STATE PARC	티.				tab -ng wal	all a service and a service	()	57
ID# (optional):					~ P10112		TRUTARENA ALA4	of MOV DY.
	D. Owner /les	280			1 Pall 7 CH 95 ch 73 B	ECKS	##978900 6461	70 0V-VV
C. I seek to the '	Seneca Coa	iI Company	7		1 95 cm73 B	LV OF WATER	KESUUKLES	μ «BA΄
C. # scree in tract					-	and and the	ه رجومی اسرل	ポルクデーー
2253.3	e the columnia	II on this to	7447		K LAL TEL PM	54. COTOS. 7	,,,,,,,,,,	/
2253.3 E. Will this b	e the only we				5.696 Fer ph	aust 549 119)	MD
2253.3 E. Will this b	e the only we O (if other wells o See Exhib	are on this trac	ct, e	se detailed inst.)	5.696 Ter phi app., Annual AF See letter from this, also see	ant, = # US	SE(S)	MDMD

GENERAL PURPOSE APPLICATION - GENERAL INSTRUCTIONS

This form (GWS-45) should be used for the following well uses: commercial, industrial, agricultural irrigation, municipal, feed lots, central water supply systems, recreation, snowmaking, geothermal, recovery wells and any other uses not otherwise noted in the following list:

RESIDENTIAL use wells - Use Application Forms GWS-44, GWS-49 or GWS-50 LIVESTOCK watering on a farm, ranch, range, or pasture (not feedlots) - Use Forms GWS-44 or GWS-50 MONITORING/OBSERVATION wells - Use Application Form GWS-46 GRAVEL PITS - Use Application Form GWS-27 REGISTRATION of an existing well - Use Form GWS-12 (must have been in use prior to May 8, 1972)

FEES This application must be submitted with the required \$60 non-refundable filling fee. Checks should be payable to COLORADO DIVISION OF WATER RESOURCES.

Applications are evaluated in chronological order. Please allow approximately six weeks for processing.

Applications must be completed clearly, and <u>legibly</u>, in BLACK INK or typed. ALL ITEMS in the application must be completed. Incomplete applications may be returned to the applicant for more information. Do not change or alter the application in any way.

THE LOCATION of the well in item 4 must be correctly and accurately described. The county, quarter/quarter, section, township and range location of the well, principal meridian and location of the well in feet from section lines must be provided. NOTE: Distances are not necessarily the same distances as the distances from (your) property lines.

For additional assistance in describing the location of your well, review the publication entitled "How to Determine Well Locations" which was provided with your packet, or can be requested from any Colorado Division of Water Resources office.

indicate in item 5 or provide as an attachment a complete LEGAL DESCRIPTION of the tract on which the well will be located. Indicate the total number of acres and the owner of that land.

Check the applicable box(es) in item 6 indicating the GENERAL USE of the well AND provide a detailed description of use of the well as an attachment to the application.

If the well is to withdraw water from the DAWSON, DENVER, ARAPAHOE, LARAMIE-FOX HILLS OR DAKOTA AQUIFERS, documentation of claimed landownership or consent of the landowner may be required. Please contact the Division of Water Resources for further information. A copy of the Statewide Nontributary Ground Water Rules are available upon request for \$3.

indicate in item 8, or provide as an attachment a complete LEGAL DESCRIPTION of the land area on which water from the well will be used. Indicate the total number of acres described and the owner of that land. If agricultural irrigation is a proposed use, provide an accurate map of the land area with proposed irrigated areas drafted or accurately drawn. Section numbers and section lines must be indicated on the map.

Completely describe all OTHER WATER RIGHTS, including wells and surface water rights, used on the described land area. Describe the total land areas imigated by other wells or water rights. Applicable well permit, well registration or water court case numbers must be indicated. This information may be provided in an attachment.

An ORIGINAL signature must be on each application. The applicant's authorized agent may sign the application if a letter <u>signed</u> by the applicant is submitted with the application authorizing them to act as agent for the purpose of obtaining a well permit.

IF YOU HAVE ANY QUESTIONS regarding any Item in the well permit application form, please call the Division of Water Resources Ground Water Information Desk at (303) 866-3587, Ground Water Management District or the nearest Division of Water Resources Field Office located in Greeley (970-352-8712), Pueblo (719-542-3368), Alamosa (719-589-6683), Montrose (970-249-6622), Glenwood Springs (970-945-5665), Steamboat Springs (970-879-0272) or Durango (970-247-1845).

DETAILED INSTRUCTIONS ARE AVAILABLE UPON REQUEST

COLORADO DIVISION OF WATER RESOURCES, 1313 SHERMAN STREET, ROOM 821, DENVER CO 80203 PHONE: (303) 866-3587 (Information), (303) 866-3581 (Main), (303) 866-3447 (Well and Water Rights Records); (303) 866-3589 (Fax)

RECEIVED

ATTACHMENT TO WATER WELL PERMIT APPLICATION Seneca Coal Company

APR o.1 1996

WATER RESOURCES STATE ENGINEER 0000

6. USE OF WELL

Seneca Yoast Mine Shop Well will be used for domestic purposes including water used by employees for drinking, washing and sanitary uses, and for industrial purposes, including dust suppression, equipment washing and reclamation.

RECEIVED

The permit area includes

WATEM RESOURCES
STATE PARAMETER
(2) The following describes the proposed permit area for Yoast Mine. the mine permit area and the mine entrance houlage road.

Yoast Permit Area

<u>Parcel</u>	-	<u>Area (acres)</u>
T6N, R87W	·	
Section 28:		
(Portions of)	NWK	33.6
(Portions of)	NUKSUK	4.6
Section 29:		
(Portions of)	E%SE%	17.3
(Partions of)	SWESE	2.5
Section 32:		
(Portions of)	W%E%	24.2
		Subtotal: 82.2
15N, R87W		
Section 5:		
(Portions of)	w%e%	24.4
Section 8:		
(All of)	Nr.K	160.2
(All of)	SWK	160.1
(All of)	WXNEX	79.8
(All of)	M%SEX	80.4
Section 16:		
(All of)	SWXNWX	39.6
(All of)	NWXSWX	39.4
(Portions of)	SWXSWX	19.3
(Portions of)	HARNAK	19.1
(Portions of)	SEKNUK	18.3
(Portions of)	NE%SW%	37.3
(Portions of)	NM#2E#	8.0
Section 17:		
ALL	ALL	632.3
Section 18:		
(All of)	NEWSEW	40.0
(All of)	SHSEK	80.8

APD of 1996

WATER RESOURCES STATE ENGINEER

Area (acres)

E%		320.4
E%W%		53.2
•		
SWKNWX		39.7
NKNUK		79.4
MRSAR		79.8
NYMEX		39.9
NAZNAZ		39.8
	•	•
NAMEN	•	79.9
	Subtotal:	2171.1
	nanak nanak nanak sakuak	NAMER NAMER NAMER NAMER SARNAR EAME

TOTAL PERMITTED AREA: 2253.3 acres

Section 19:

All west of the 6th Principal Meridian.

Exhibit C to Water Well Permit Application

TABLE 16-1

Water Rights tisted on Exhibit 16-1 for lands In and Adjacent to the Yoast Nine - Division 6, Water District 57, Routt County, Colorado

	•									Adjudication	Administration	_
Mane of Structure	Type	Basin	Township	Range	110	Otr.	Section	Lse 2	3 Amount	Date	Number	
Sage Creek Res. Outlet	0	Sage Creek	249	7.98 7.98	35	SE	35	_	1.000c	09/22/1897	17337.00000	!
Sage Greek Res. Outlet	٥	Sage Creek	89	798	36	SE	35	_		07/22/1916	24306.21365	
Sage Creek Reservoir	æ	Sage Creek	# <u>*</u>	58	3	35 Si	E.	_	804,0000a	07/22/1916	24306.21365	
Leonard Yoast Welt 1	3	Sage Creek	.₹	7.	S	J.	6	۵	.0334c	12/31/1976	29432,00000	
Vatora Meil	3	Sage Creek	35	874	35	#s	<u>0</u>	59	.0334c	12/31/1976	43157,00000	
Eskridge Spring 1	S	Sage : Creek	¥	884	发	S.	<u>5</u> 1	2	.0200	12/31/1972	44559.44110	
Cold Spring 1	ψ	Sage Creek	HS.	88₩	SE	#	7	180	.2500c	12/31/1975	45655.28599	
Cold Spring 2	v	Sage Creek	NS.	#69	SE	¥	71	ISO	.2500c	12/31/1975	45655.28599	
Leonard Yoast Well 2	3	Sage Creek	<u></u>	478	SE	∄	81.	150	.0670	12/31/1976	46020.45107	
Yoast Spring 1	ψı	Sage Creek	HS.	8 78	및	3	<u>~</u>	18	.0100c	12/31/1976	46211.00000	
Yoast Spring 2	φ	Sage Creek	MS.	B74		뿦	5	۵	.0100	12/31/1976	46020.45137	
Yoast Spring 3	Ø	Sage Creek	N.	87E	2	果	61	_	.0100	12/31/1976	46020.45137	
Yoast Spring 4	s	Sage Creek	S	87 ₽	2	3	50	SI	.0100c	12/31/1976	46020.45137	
Yoast Spring 5	s	Sage Creek	3 .	87k	3	35	50	2	.0100	12/31/1976	46020.45137	
Yoast Spring 6	s	Sage Creek	35	#12 9	35	#	30	5	.0100c	12/31/1976	46020.45137	
Yoast Spring 8	s	Sage Creek	3	#88 #88	띯	SE	M	2	.0100c	12/31/1976	46020.45137	
Youst Spring 9	ن	Sage Creek	3 5	788 788	¥	H.S	13	2	.0100c	12/31/1976	46020.45137	
Caster Spring	s	Sage Creek	3	7,20	3	35	81	<u>8</u>	.0330c	12/31/198‡	47857.00000	
Peabody Pond Y-1	e)sc	Sage Creek	*	728	띭	₹	19	3	3.3500a	13/31/1989	50864,00000	
Rouley Well	-	Sage Creek	¥9	874	3	3	ň	6	.1110	12/31/1972	44559,33907	,
Shiloh Spring	v	Sage Creek	NS.	881	¥	ŦS.	13	٥	.0100c	12/31/1989		ec.
Shiloh Two Spring	S	Sage Creek	5.	88H	3	2	24	۵	-0000c	12/31/1989		39 BE
Steer Gulch Spring	s	Sage Creek	₹	488		ıı.	12	w	.0330c	12/31/1989		85°
Annand Artesian Well	3	Scotchmans Gulch	N.S.)	87N	포	AS.	ω	_	.0330c	12/31/1975	2	VEC
how	only well	ell on that	t									١

{ TABLE 16-1

(Continued)

	-							•	,	Adjudication	Administration
	LYPR	Basin	Township	Range	Ħ	atr	Section	Use	Amount	Date	Number
Hofstger Zeigler Reservoir	œ	Scotchmens Gulch	NS.	87u	2	2	٥	-	344.0000a	07/24/1939	30408.21270
Mofatger Reservoir	e	Scotchmens Gulch	5	87	ŝ	SE	4	-	456,0000a	07/24/1939	30408,21331
Annend Spring 1	v	Scotchmans Gulch	75	87v	¥	AS.	8	s	.0220c	12/31/1975	45655.29376
Annend Spring 2	v	Scotchmens Gulch	š	67	쁥	35	•	<u>s</u>	.0220c	12/31/1975	45655,31291
Amend Spring 3	v	Scotchmans Gulch	*	87¥	S	TS	•	S	. 0220c	12/31/1975	45655.31291
Annand Ditch 1	۵	Scotchmens Gulch	*5	87u	5. H	2	•••	2	1.0000c	12/31/1975	45655.34869
Annand Ditch 2	٥	Scotchmans Gulch	¥5	874	3	#	•	\$ 1	1.0000c	12/31/1975	45655.34869
Rhodes Well	2	Grassy Creek	N9	874	¥	SE	82	108	.0330c	12/31/1981	29760.00000
Cozzens Well 2	3 :	Grassy Creek	МĢ	87₽	₹	¥	28	20	.0330c	12/31/1972	33038.00000
Cozzens Well 1	3	Grassy Creek	F 9	87u	3	빌	28	S	.0330c	12/31/1972	41807.00000
Seneca Mine Pump and Ppln.	_	Grassy Creek	N9	87 ⊔	\$E	æ	27	*	1.1100c	12/31/1976	46020.43353
Seneca Coal Well	3	Grassy Creek	150	87u	TS.	SE	27	2	.0890c	12/31/1976	46020.44103
Senece Coal #ine Div.	۵	Grassy Creek	19	87	35	SE	27	S#	1.1000c	12/31/1977	46386.45661
E. of Mine Shop Imp.	œ	Grassy Creek	K 9	478	₹	S H	27	=	9.7000g	12/31/1977	46386.45661
MPDES Impoundment	œ	Grassy Creek	Н9	874	ŠĒ	뿔	di M	8	1.30008	12/31/1977	46386.46112
Grassy Creek Impoundment	ůc.	Grassy Creek	ė,	87₩	SE	35	27	\$	4.4000	12/31/1977	46386.46112
Wadge Pit	۵	Grassy Creek	*9	87W	SE	8	34	=	1.1000c	12/31/1977	46386.46326
Seneca Coal Nine Shop Ditch	•	Grassy Creek	29	87W	=	35	34	S	0.5000c	12/31/1977	46386.46326
Wadge Pit Reservoir	. 6 4	Grassy Creek	¥9	£	SE	쁗	35	9	220.00008	12/31/1977	46386.46356
Seneca Coal Well	3	Grassy Creek	М9	8 7 7	3	Ř	27	吾	.0890	12/31/1977	46506.00000
Grassy Creek Impoundment	œ	Grassy Creek	М9	W7.8	S E	3	27	v	1.60008	12/31/1977	46566.00000
Vadge Pit Reservoir	ůκ	Grassy Creek	Н9	778	SE	쁖	7,	SE	50.0000	12/31/1977	47296.00000
Type: 0 = Ditch; P = Pond; R	D	Reservoir; S = Spring; W =	Welt; L = Pi	Pipeline						ម ខ្	VD.
Use: D = Domestic; I = Irrigation; S		= Stock; W = Industria	al; 0 = Other;	ш С	Fishery					Y E), J
3 Amount: a = acre-feet; c = cubic feet	cubic fee	t per second								NGINE	EIVE 1
Water Rights Owned by Seneca Coal Company	Cost Com	pany								ER	996

Ditch; P = Pond; R = Reservoir; S = Spring; W = Welt; L = Pipeline

² Use: D = Domestic; I = Irrigation; S = Stock; M = Industrial; O = Other; P = Fishery

³ Amount: a = acre-feet; c = cubic feet per second

⁴ Vater Rights Owned by Seneca Coal Company

ADD ol 1996

WATER RESOURCES

Joyce STATE ENGINEER

Gregg A. Greenstein

Louise Culberson-Smith

Richard Byron Peddic

Richard L. Levy

G. Roger Bock

Frascona, Joiner and Goodman, P.C.

Oliver E. Frascona

Gary S. Joiner Jonathan A. Goodman

of Counsel Joseph L. Francona Joseph Adams Cope David L. Clevoland

Attorneys at Law

A Professional Corporation

4750 Table Mesa Drive, Boulder, Colorado 80303-5500

Facsimile (303) 494-6309

Telephone (303) 494-3000

Internet {lirstname}@frascona.com

March 29, 1996

Colorado Division of Water Resources Department of Natural Resources 1313 Sherman Street, Room 818 Denver, CO 80203

Re:

Seneca Yoast Mine Shop Well Our Client No. 10021,003

Dear Sir/Madam:

Enclosed is a Water Well Permit Application with regard to the referenced well, along with a check in the amount of \$60.00 for the filing fee. Please direct any correspondence with regard to the application to me at the address above.

Sincerely yours,

Frascona, Joiner and Goodman, P.C.

By:

Joseph Adams Cope

JAC:klm Enclosure

cc:

Dennis Jones (w/enc)

Referee Daniel R. Birch (w/o enc) Charles N. Woodruff (w/o enc)

COLOTEY OF '96 OL: 19 M PERRODY WITH SENECA MINE RECEIVED Doy For Correction DEPARTMENT OF NATURAL RESOURCES 1313 SHERMAN ST., RM. 818, DENVER CO 80203 MAY 07 1996 phone - Info: (303) 566-3587 meln: (303)866-3581 WATER RESOURCES Water Well Permit Application **GENERAL PURPOSE** (Please note: other forms are available for appoints uses including - re-Review instructions prior to completing form Must be completed in black ink or typed 1. APPLICANT INFORMATION 5. USE OF WELL (please attach detalled description) INDUSTRIAL OTHER: ☐ COMMERCIAL Senede Coal Company detailed description of use MUNICIPAL is attached as Exhibit B The section I IRRIGATION FRED LOT - number of treat : Post Office Drawer D 7. WELL DATA 4 Zin Cath 35 Hayden CO 81639 Total days Trout Creek ost. 1220 feet Bandstone Formation Talandaria regular frantisty artis sada (970) 276-3707 S. LAND ON WHICH GROUND WATER WILL BE USED A. LEGAL DECOMPTION twen by previous up an attachment): 2. TYPE OF APPLICATION (check applicable box(es)) legal description Construct new well Use existing well attached as Exhibit A Change or Increase Use The Replace existing well Readelination territor service Change (source) Aquifer iff used for one brigation, stack ussled that there brigated area. Other: E. Santus C. Cumer/lessee 3. REFER TO (if applicable); Weter mount water # 73 rumit # 2253.3 Seneca Coal Company D. List any other wells at water delits mad on this land: Zavernency Variati f Markerine bale estimavietement f .See Exhibit C, attached. MH-9. PROPOSED WELL DRILLER (optional) Senaca Yeast Mine Shop Well 4. LOCATION OF WELL CAMPAN/querter Caracter 10. SIGNATURE of applicant(a) or authorized agent Routt NW NH. The making of false statements herein constitutes parjury in the second degree, which is punishable as a class 1 mis-6th demeanor sussuant to C.R.S. 24-4-104(13)(a). I have read the statements herein, know the contents thereof, and state 620 ft from 🔀 E 🔲 W 2220 to traper 🚍 N 🔲 # that they are true to my kepwiedge. 196 Dennis Jones, Hydrologist <u>dir</u>ection OPTIONAL INFORMATION B. TRACT ON WHICH WELL WILL BE LOCATED A. LIGAL DESCRIPTION Pasy to provided as an artestances;): Office Use Only legal description attached as Exhibit A DIV Correction additions of CO A E. STATE SARCEL Elf (eptions): TYPE W NO (If other wills are on this tract?

See Exhibit G, attached Form GWS-45 (12/95)

COLONIA	and and the	retheony Ma	IN SENECH HIN	RECEIVED TO THE P. 2
EPARTLES.	opy Availab	e . sesou	RCHS R CO 80203	RECEIVED Tor Correction
anon		/ main: (303)	866-3581	MAY 07 1996
GENERAL		, ildan: Josei		MAY 0 1 1330 Water Well Permit Application WATER RESOURCES Water Well Permit Application
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leview kratnic	done prior to	completing for	71)	co.c. Must be completed in black ink or typed
	TINFORMATI			6. USE OF WELL (please attach detailed description)
Principal of speciality			•	INDUSTRIAL I OTHER:
Senece Coal	· Charantara	-		OMMERCIAL detailed description of use
The Address		·		MUNICIPAL detailed description of use C is attached as Exhibit B
	_			☐ FEED LOT — number of head :
Post Office	Drawer D			7. WILL DATA / 5/7 86 60 4
G ity		Qu'in	Zip Cate	Hagainers pumping into
Hayden		CQ	B1639	33 gping 1 g
				Total Apple Trout Creek
Tuesday ninder live				est. 1220 feet Sandstone Formation
(970) 276-3		····	. .	8. LAND ON WHICH GROUND WATER WILL BE USED
2. TYPE OF A	LPPLICATION	(check applicab	le box(es))	A. LEGAL DESCRIPTION (reay be provided as an attachment):
Construct	new well	□ Use exis	ting well	legal description
□ Replace e			r Ingresse Usa	attached as Exhibit A
🛄 Change (so	rurce) Aquifer	🔲 (teapplicat	On texpiral persit)	()
☐ Other:				6. Copres C. Currer/14.2.2.2.2
3. REPER TO	(if applicable);	1 Ferreit #		2253.3 Seneca Coal Company
Water seart series	73	FERRITE #		D. Lint any other wells as wants digitis med on this lands
Emergency Variati		Manisorine hale :	sknovledgment f	.See Exhibit C, attached.
* -	, /E-	MH	· · · · · · · · · · · · · · · · · · ·	
Wall named at 2				9. PROPOSED WELL DRILLER (optional)
Seneca Yoas	st Mine Shop	Well		None
4. LOCATION	OF WELL			
County		Cummar/quarter	Quarter	10. SIGNATURE of applicant(a) or authorized agent
Route		NA M		The making of false statements herein constitutes perjury
Bection S	Township Mar 6	Mange E = W	Primited Maridian 6th	In the second degree, which is punishable as a class 1 mis- demeanor pursuant to C.R.S. 24-4-104(13)(a). I have read
· · · · · · · · · · · · · · · · · · ·	3 10	87	<u> </u>	the statements herein, know the contents thereof, and state
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THI AFP =		ole on this tract,	see detailed that.)	office Use Only OTY TO CON Correction addition wo information previous Libration Omitted in Found GWS-45 (12/95) item (7) HS 5-7-96
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				14.5-7-96
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hone - Info: (30	3) 866-2E9	7 main: (303)	866-3581	MAY 0.7 1996 WATER RESOURCES	- 	W Barnie	A nullaatin	
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Talagrapa caraba (calya)				98t. 1220	fact	Sandstone 1		-
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☐ Replace exi			r Incresse Use		attached	as Exhibi	T A.	1
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3. REFER TO (if		Permit #		2253.3	• •		al Company	
95 CW 7	3	·		D. List any other we	is st water digities	until on this land:		
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-VE-		MH-		9. PROPOSED	WELL DRILL	R (ontingal)		
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SENECA COAL COMPANY 36600 ROUTT COUNTY ROAD 27 P.O. DRAWER D HAYDEN, CO 81639

TELEPHONÉ: (970) 276-3707

FAX: (970) 276-3014

RECEIVED

MAY 07 1996

WATER RESOURCES STATE ENGINEER COLO.

1 1	
DATE S/1196	TIME
to Jamara	PHONE
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FAX COVER SHEET

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SENECA COAL COMPANY 36600 ROUTT COUNTY ROAD 27 P.O. DRAWER D HAYDEN, CO 81639

TELEPHONE: (970) 276-3707

FAX: (970) 276-3014

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MAY 07 1996

WATER RESOURCES STATE ENGINEED COLO.

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Form No. GWS-25

OFFICE OF THE STATE ENGINEER COLORADO DIVISION OF WATER RESOURCES

818 Centennial Bidg., 1313 Sherman St., Denver, Colorado 80203 (303) 866-3581

436

APPI	ICANT
/ I I I	

WELL PERMIT NUMBER 039390 M . DIV. $\frac{6}{}$ CNTY. $\frac{54}{}$ WD $\frac{57}{}$ DES. BASIN M MD M

APPROVED WELL LOCATION

DISTANCES FROM SECTION LINES

985 Ft. from South Section Line

1590 Ft. from West Section Line

PERMIT TO CONSTRUCT MONITORING WELL YAAL14 (MH-16470)

86001

PEABODY COAL COMPANY

1300 S YALE FLAGSTAFF, AZ

ISSUANCE OF THIS PERMIT DOES NOT CONFER A WATER RIGHT

CONDITIONS OF APPROVAL

- 1) This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of the permit does not assure the applicant that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.
- Approved pursuant to CRS 37-90-137(2) to satisfy the permit requirements of CRS 37-90-138(3). Use of this well
 is limited to monitoring water levels and/or water quality sampling.
- This well must be equipped with a locking cap or seal to prevent well contamination or possible hazards as an open well. The well must be kept locked at all times except during sampling or measuring.
- 4) Records of water level measurements and water quality analyses shall be maintained by the well owner and submitted to the Division of Water Resources upon request.
- Upon conclusion of the monitoring program the well owner shall plug and abandon this well in accordance with the Water Well Construction and Pump Installation Rules.
- 6) The owner shall mark the well in a conspicuous place with well permit number and name of aquifer as appropriate. He shall take necessary means and precautions to preserve these markings.
- 7) This well must be constructed by or under the supervision of a licensed well driller or other authorized individual according to the Water Well Construction and Pump Installation Rules.
- 8) A well completion report including lithologic log must be submitted by the individual authorized to construct the well. For non-standard construction the report must include an as built drawing showing details; such as depth, casing, perforated zones, and a description of the grouting type and interval.
- This well shall be constructed not more than 200 feet from the location specified on this permit.

APPROVED:

Receipt No.

DATE ISSUED JUL 24 1991

By III 9 4 100

EXPIRATION DATE JUL 2 4 1992

DATE 1000

FOR GW4	STATE OF COLORADO S-11 OFFICE OF THE STATE ENGINEER	For Office Use only	,
07/3	818 Centennial Bidg., 1313 Sherman St., Denver, Colorado 80203 (303) 888-3581		•
PI	RIOR TO COMPLETING FORM, SEE INSTRUCTIONS ON REVERSE SIDE	RECEIV	ED
	CHANGE IN OWNERSHIP/ADDRESS / LOCATION	MAY 12	1995
\vdash	WELL PERMIT, LIVESTOCK TANK OR EROSION CONTROL DAM	WATER RESOL	
1.	NEW OWNER NAME(S) Seneca Coal Company	STATE ENGIN	ren
	NAME(S) Seneca Coal Company Mailing Address PO Drawer D, 36600 Routt County Rd. 27	RECEIVED	
	City, St. Zip Hayden, CO 81639 Phone (970) 276-3707	71105	
	Phone (_970_) 276-3707	JUL 31'95	
2.	THIS CHANGE IS FOR ONE OF THE FOLLOWING:	WATEPFRESSININGES STATETERGREEFER	
	WELL PERMIT NUMBER 039390-M	COLLO	
	LIVESTOCK WATER TANK NUMBER		
	EROSION CONTROL DAM NUMBER		
3.	WELL LOCATION: COUNTY ROUTT OWNER'S WE	LL DESIGNATIONYAA	AL14
	(Address) (City)	(State)	(Zip)
	SE 1/4 of the SW 1/4, Sec. 8 Twp. 5 X N. or S., Range	87 D E or X W	6 р.м.
	ĭ		
	Distances from Section Lines Ft. from N. or S. Line,		
	Subdivision Lot Bloc		0.00
4.	LIVESTOCK TANK OR EROSION CONTROL DAM LOCATION: COUNTY		
-	1/4, Sec. Twp. N. or S., Range	E. or P.N	<u> </u>
5.	The above listed owner(s) say(s) that he (they) own the structure described herein		
	The existing record is being amended for the following reason(s):		
	X Change in name of owner.	Correction	on of location.
6.	I (we) have read the statements made herein, know the contents thereof, and state	that they are true	
	to my (our) knowledge. [Pursuant to Section 24-4-104 (13)(a) C.R.S., the making of false statements herei	n constitutes perjury in	
\vdash	the second degree and is punishable as a class 1 misdemeanor.] Name/Title (Please type or print) Signature	4-47/- w	Date
	H. Theodore Smith	8 ~ 1 -11	
		Dmith	5/8/95
	FOR OFFICE USE ONLY		
	ACCEPTED AS A CHANGE IN OWNERSHIP		
	AND/OR MAILING ADDRESS.		•
	σ		
	Hal D. Simon L. O.D.O.	AUG 0 9 1995	
	- Mandella M	Date	
	State Engineer Court Case No Dtv. 6 _ Co Dtv. 6	MD Use	

INSTRUCTIONS CHANGE OWNERSHIP-ADDRESS LOCATION CORRECTION FORM JULY 1993 NO FEE IS REQUIRED

The form must be typewritten or printed in BLACK INK. Initial and date any changes you make on the form.

THIS FORM MAY BE REPRODUCED BY PHOTOCOPYING OR WORD PROCESSING MEANS. INCOMPLETE FORMS WILL BE RETURNED. ATTACH ADDITIONAL SHEETS IF MORE SPACE IS NEEDED.

- 1. Print the new owner's name and include the mailing address and phone number.
- 2. Indicate if the change in ownership/address is for a well permit, livestock water tank or erosion control dam. Be sure to include the proper permit, tank or dam number.
- 3. Complete the well location information. If the address of the well location is different than the mailing address of the owner, include the address where the well is located. If the owner has more than one well, provide well name or number as designated by the owner; i.e. North Well. The actual well location must include 1/4, 1/4, Section, Township and Range. Check the appropriate boxes for North or South and East or West directions. Complete the Subdivision, Lot, Block and Filing information, if applicable.
- 4. Complete the location information for the livestock water tank or erosion control dam. The actual location must include 1/4, Section, Township, Range and P.M. Check the appropriate boxes for North or South and East or West directions.
- Check the reason(s) for submitting the form, whether it is a change in ownership/address and/or location correction.
- 6. The owner of the structure must sign. Print or type your name in the first block if it is different from Item No. 1. If **signing as a representative of a company** who owns the structure, then your title must also be included in the first block. Sign the second block and date the last block.

USE THIS FORM TO CORRECT THE LOCATION OF YOUR WELL IF:

- A. Your well was permitted, registered, or first used prior to May 8, 1972 for ordinary household purposes in up to three single-family dwellings, fire protection, the watering of poultry, domestic animals, and livestock on farms and ranches and the irrigation of not over one acre of home gardens and lawns.
- B. Your well is not of the type described in A above, but was permitted or registered prior to May 17, 1965. Inside the Designated Ground Water Basins, other procedures and publication may be required.
- C. Your well was decreed by the Water Court for the correct location.

IN ALL OTHER CASES USE FORM GWS-42

All other types of changes concerning Livestock Water Tanks and Erosion Control Dams should be submitted on the standard Permit Application form and be accompanied by a \$15.00 filing fee.

If you have questions, contact the Denver or the Division Office where your well is located.

DIVISION 1 800 8th Ave Rm 321

Greeley CO 80631 (303) 352-8712

DIVISION 5 Box 396 50633 US Hwy 6 & 24 Glnwd Spgs CO 81601 (303) 945-5665 **DIVISION 2** Box 5728 219 W 5th Rm 223

Pueblo CO 81003 (719) 542-3368

DIVISION 6 Box 773450 625 So, Lincoln Ave Stmbt Spgs CO 80477 (303) 879-0272

DIVISION 3 Box 269

422 4th St Alamosá CO 81101 (719) 589-6683

DIVISION 7 Box 1880 1474 Main St Durango CO 81302 (303) 247-1845 **DIVISION 4** Box 456 1540 E Niagara Montrose CO 81402 (303) 249-6622

DENVER OFFICE Rm 821 1313 Sherman St Denver CO 80203 (303) 866-3581

19/1	STATE OF COLORADO STATE OF COLORADO OFFICE OF THE STATE ENGINEER 318 Certannial Bidg., 1313 Sharman St., Denver, Colorado 80203 (303) 886-3561 FOR INSTRUCTIONS, SEE REVERSE SIDE	For Office Use only
-	STATEMENT OF BENEFICIAL USE	RECEIVED
	WELL PERMIT NUMBER 039390-M	
1.	WELL OWNER	Jun 12'92
	NAME(S) Peabody Coal Company Mailing Address 1300 South Yale City, St. Zip Flagstaff, Arizona 86001 Phone (602) 774-5253	SWITE BESIDEN
2.	Same as above (Address) (Cky)	ELL DESIGNATION YAAL14
	SE 1/4 or the SW 1/4, Sec. 8 Twp. 5 X N. or S., R Distances from Section Lines 985 Ft. from N. or X S. Line,	<u> </u>
3.	The well is being used for the following purpose(s): To monitor for levels and quality.	
4.	Water from the well was first used beneficially for the above purpose(s)	on <u>September 5</u> 19 <u>90</u>
-	The pumping rate claimed is < 2 gallons per minute.	
3		· · · · · · · · · · · · · · · · · · ·
\vdash	The average annual amount of water diverted is N/A acre	feet.
6.	,	feet Acres or Square feet,
6.	The average annual amount of water diverted is N/A acre The land area irrigated (watered) by water from this well is: N/A	
6.	The average annual amount of water diverted isN/Aacre The land area irrigated (watered) by water from this well is:N/A (Number) described as:	
6.	The average annual amount of water diverted isN/Aacre The land area irrigated (watered) by water from this well is:N/A (Number) described as:	Block Filing/Unit Lic. No: _436
6. 7. 8.	The average annual amount of water diverted isN/Aacre The land area irrigated (watered) by water from this well is:N/A	Block Filing/Unit Lic. No: 436 Lic. No:
f.	The average annual amount of water diverted isN/Aacre The land area irrigated (watered) by water from this well is:N/A (Number) described as:	Block Filing/Unit Lic. No: 436 Lic. No: Date installed: f, and state that they are true to my (our)
6. 7. 8.	The average annual amount of water diverted isN/Aacre The land area irrigated (watered) by water from this well is:N/A	Block Filing/Unit Lic. No: 436 Lic. No: Date installed: f, and state that they are true to my (our) false statements herein constitutes perjury
6. 7. 8.	The average annual amount of water diverted isN/Aacre The land area irrigated (watered) by water from this well is:N/A	Block Filing/Unit Lic. No: 436 Lic. No: Date installed: f, and state that they are true to my (our) false statements herein constitutes perjury

INSTRUCTIONS FOR THE COMPLETION OF STATEMENT OF BENEFICIAL USE

IMPORTANT INFORMATION: IF THE PERMIT WAS APPROVED PURSUANT TO C.R.S. 37-90-137(2) OR 37-90-105. THEN THE STATEMENT OF BENEFICIAL USE MUST BE RECEIVED BY THE STATE ENGINEER PRIOR TO THE EXPIRATION OF THE PERMIT. IF THE PERMIT WAS APPROVED PURSUANT TO C.R.S. 37-90-107, THE STATEMENT OF BENEFICIAL USE MUST BE RECEIVED WITHIN THREE YEARS FROM THE DATE THE PERMIT WAS ISSUED.

NOTE: IF THE PERMIT WAS APPROVED PURSUANT TO C.R.S. 37-90-137(4), THEN YOU MUST USE FORM NO. GWS-18 "NOTICE OF WELL COMPLETION" AND FORM NO. GWS-19 "NOTICE OF COMMENCEMENT OF BENEFICIAL USE"

The Statement must be typewritten or printed in BLACK INK. Initial and date any changes you make on the form. INCOMPLETE FORMS ARE NOT ACCEPTABLE AND WILL BE RETURNED. ATTACH ADDITIONAL SHEETS IF MORE SPACE IS NEEDED.

NO FEE IS REQUIRED IF THE STATEMENT IS SUBMITTED TIMELY. IF NOT SUBMITTED TIMELY, A FEE MAY BE RECUIRED.

The Well Permit Number must be indicated in the space provided at the top of the form. Item Number

- Print the well owner's name and include the mailing address and phone number. 1.
- 2. If the well location is different than the mailing address of the owner, include the address where the well is located. If the owner has more than one well, provide well name or number as designated by the owner, i.e. North Well. The actual well location must include 1/4, 1/4, Range, Township, Section and distances from Section lines. Mark the appropriate boxes for North or South and East or West directions.
- Describe the use(s) to which the water has actually been applied. Permitted uses are described in the conditions of approval of the permit.
- 4, Enter the date of first beneficial use. This is the date water from the well was first used beneficially for the purposes described in item 3 under the permit number indicated. The date claimed cannot predate the issuance of the permit. It is not the date the form is completed, nor is it the date the well was test pumped.
- Enter the pumping rate claimed. The rate cannot exceed the permitted maximum rate or the actual pumping. 5. rate in dallons per minute, whichever is less: 449 gallons per minute is equivalent to one cubic foot of water per second.
- 6. Enter the annual amount of water diverted in acre feet. The amount claimed cannot exceed the physical capacity of the well or the permitted amount as limited by any conditions of approval. One acre foot is equivalent to 325,900 gallons. An ordinary home with lawn and garden impation diverts an average of less than one acre foot. Average in house use which does not include lawn and garden imigation (watening) diverts 1/3 acre foot.
- 7. Report the area irrigated either as acres or square feet by filling in the correct number and checking the appropriate box. You must describe the specific area imigated using either the legal description of that land or by referencing the Subdivision, Lot, Block and Filing or Unit number. Lawn and garden watering is considered irrigation. If the well is not used for irrigation, place a zero in the acres/square feet irrigated blank. One acre is equivalent to 43,560 square feet. One acre foot is equivalent to 43,560 cubic feet of water.
- 8. Indicate the Well Construction and Pump Installation Contractors and their License Numbers. If you did the work yourself, so indicate. You must submit work reports if you constructed the well and/or installed the pump.
- If a totalizing flow meter is required as a condition of the permit, indicate the meter manufacturer name, it's 9. senal number and the date of installation.
- The well owner must sign the Statement. Print or type your name in the first block if it is different from Item 10. No. 1. If signing as a representative of a company who owns the well, then your title must also be included in the first block. Sign the second block and date the last block.

If you have questions, contact the Denver Office or the Division Office where your well is located,

DIVISION 1 209 ARIX BUILDING 800 8TH AVE GREELEY, CO 80631 (303) 352-8712

DIMISION 2 219 W. 5TH RM. 223 PUEBLO, CO, 81003 (719) 542-3368

DIVISION 3 422 4TH ST. ALAMOSA, CO 81101 (719) 589-6683

DIVISION 4 308 S. FIRST ST. MONTROSE CO. 81402 (303) 249-6622

DIVISION 5 1429 GRAND AVENUE GLNWD SPGS, CO. 81601 (303) 945-5665

DIVISION 6 320 LINCOLN AVE. STE. E STMBT SPGS., CO. 80477 (303) 879-0272

DIVISION 7 1474 MAIN ST. DURANGO, CO. 81302 1313 SHERMAN ST. (303) 247-1845

DENVER OFFICE RM. 823 **DENVER, CO. 80203** (303) 866-3581

WRJ-5-Rev.*76

COLORADO DIVISION OF WATER RESOURCES

818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203

Application must be complete where applicable. Type or print in <u>BLACK INK.</u> No overstrikes or erasures unless initialed.

PERMIT APPLICATION FORM (') A PERMIT TO USE GROUND WATER

(x) A PERMIT TO CONSTRUCT A WELL

() REPLACEMENT FOR NO. _____

FOR: () A PERMIT TO INSTALL A PUMP

() OTHER ______

File No. MH 16470

2200 -M

JUN 13'91

WATER RESOURCES STATE ENGINEER

WATER COURT	CASE NO COLO.
(1) APPLICANT - mailing address	FOR OFFICE USE ONLY: DO NOT WRITE IN THIS COLUMN
NAMEPeabody Coal Company	Receipt No. 32 lolo 12 P
STREET 1300 South Yale	Basin Dist.
CITYFlagstaff, AZ 86001 (Zip)	CONDITIONS OF APPROVAL
TELEPHONE NO. (602)774-5253	This well shall be used in such a way as to cause
(2) LOCATION OF PROPOSED WELL	no material injury to existing water rights. The issuance of the permit does not assure the applicant that no injury will occur to another vested water right or preclude another owner of a vested water
CountyRoutt	right from seeking relief in a civil court action.
SE ¼ of the SW ¼, Section 8	
Twp. $\frac{5}{(N,S)}$, Rng. $\frac{87}{(E,W)}$, $\frac{6th}{(E,W)}$ P.M.	
(3) WATER USE AND WELL DATA	
Proposed maximum pumping rate (gpm) < 2 gpm	
Average annual amount of ground water to be appropriated (acre-feet):	
Number of acres to be irrigated:	
Proposed total depth (feet);22	
Aquifer ground water is to be obtained from:	
Alluvium	
Owner's well designation	and the second s
GROUND WATER TO BE USED FOR:	
() HOUSEHOLD USE ONLY - no irrigation (0) () DOMESTIC (1) () INDUSTRIAL (5) () LIVESTOCK (2) () IRRIGATION (6) () COMMERCIAL (4) () MUNICIPAL (8)	•
(×)OTHER (9) monitoring levels and quality	APPLICATION APPROVED
DETAIL THE USE ON BACK IN (11)	
(4) DRILLER	PERMIT NUMBER
Boyles Brothers Drilling Co.	DATE ISSUED
Street 15865 W. 5th Ave	and the sections
City <u>Golden CO</u> <u>80401</u> (State) (Zip)	(STATE ENGINEER)
Telephone No. (303)279-7913 Lic. No. 436	BY 6 COUNTY 54 57

(5) THE LOCATION OF THE PROPOSED WELL and the area on which the water will be used must be indicated on the diagram below.	(6) THE WELL MUST BE LOCATED BELOW by distances from section lines.
Use the CENTER SECTION (1 section, 640 acres) for the well location.	
+-+-+-+-+	985 ft. fromSsec. line
1 MILE, 5280 FEET	ft, fromWsec, line
+ + + + + + + +	LOTBLOCKFILING #
	SUBDIVISION
+ - + - + NORTH SECTION LINE - + - +	· · · · · · · · · · · · · · · · · · ·
, NORTH,	(7) TRACT ON WHICH WELL WILL BE LOCATED Owner: N/A
+ + + + + + + + + + + + + + + + + + + +	No. of acres Will this be
T NO	the only well on this tract?
+ + + + + + + + + + + + + + + + + + +	(8) PROPOSED CASING PROGRAM
	Plain Casing
+ + + + +	4 in, from 0_ ft. to 12.3 ft.
	in. fromft. toft.
+ + - SOUTH SECTION LINE	i ei ioi aterr casilià
	in. from 12.3 ft. to ft.
* + + + + + + + + + + +	in. from ft. to ft.
	(9) FOR REPLACEMENT WELLS give distance
+-+-+-+-+-+-+	and direction from old well and plans for plugging it:
The scale of the diagram is 2 inches = 1 mile	N/A
Each small square represents 40 acres. WATER EQUIVALENTS TABLE (Rounded Figures)	
An acre-foot covers 1 acre of land 1 foot deep 1 cubic foot per second (cfs) 449 gallons per minute (gpm)	
A family of 5 will require approximately 1 acre-foot of water per year. 1 acre-foot 43,560 cubic feet 325,900 gallons.	· · · · · · · · · · · · · · · · · · ·
1,000 gpm pumped continuously for one day produces 4,42 acre-feet.	·
(10) LAND ON WHICH GROUND WATER WILL BE USED:	
Owner(s): N/A	No. of acres:
Legal description:	
(11) <u>DETAILED DESCRIPTION</u> of the use of ground water: Househo system to be used.	,
Used for monitoring mining impacts to ground w	ater levels and quality.
(12) OTHER WATER RIGHTS used on this land, including wells. Giv	e Registration and Water Court Case Numbers
Type or right Used for (purpose)	Description of land on which used
N/A	
(13) THE APPLICANT(S) STATE(S) THAT THE INFORMATION TO THE REST OF THE WARRENCE TO	ON SET FORTH HEREON IS
TRUE TO THE BEST OF HIS KNOWLEDGE.	ger and the second of the second
N. Theodore Smith Senior	Hydrologist

ROY ROMER Governor



OFFICE OF THE STATE ENGINEER

DIVISION OF WATER RESOURCES

1313 Sherman Street-Room 818 Denver, Colorado 80203 (303) 866-3581

June 27, 1990

Mr.	Ted	Smi1	th	
Peab	ody	Coal	Co	mpany
1300	Sou	ith \	/ale	• –
Flag	staf	f,	AZ -	86001

Lic. No. _____ I.D. <u>6 57</u> County <u>54</u> Basin ____ M.D. ____

RE: Monitoring and Observation Hole

File No. MH- 16470
Owner: Peabody Coal Company

SE1/4 SW1/4 Township 5N Section 8 Range 87W

Dear Mr. Smith:

Thank you for your letter of June 20, 1990, notifying this office of your intent to construct the subject monitoring and observation hole. The construction of the hole must be completed within 3 months of the date of this acknowledgment. Testing and/or pumping shall not exceed a total of seven (7) days unless prior written approval is obtained from the State Engineer. The water diverted during testing shall not be used for beneficial purposes. The well owner or his agent shall be responsible for obtaining permits and complying with all rules and regulations pertaining to the discharge of all fluids produced during testing. The hole must be plugged within one (1) year after construction unless a well permit has been obtained from the State Engineer.

A copy of this acknowledgment should accompany the drilling rig. Copies of all logs and test data must be submitted to this office within sixty (60) days of the completion of the work. Please refer to the above file number and owner to identify the documents when submitted. Upon completion of plugging, an affidavit (form GWS-6) should be submitted affirming the date the hole was plugged, the intervals and types of materials used, and by whom the hole was plugged.

Acknowledgment of this monitoring and observation hole notice does not indicate that a well permit can be approved. If you have any questions, contact this office.

Sincerely,

red M. Loo وا

Water Resources Geologist Ground Water Section

JTS:co

cc: Division 6 (with enclosure)

1573I/Form # 0838(P)

PEABODY COAL COMPANY - WESTERN DIVISION MONITOR WELL LITHOLOGIC LOG

1	P	

Mine: Yoast Monitor Well Name: Geologic Unit Monitored: Annand Draw Alluvium	Page <u>1 \ 1 _</u>
Ground Surface Elevation (ft-amsi) Location: Mine Coordinates N. E. S., W.	RECEMED JAN 16'91
Drilling Date: Start 8/24/90 Finish 8/24/90	Water rischeres State errichter Colo.
Drilled By: Boyles Brothers Drilling Co. Logged By: Paul Oldaker Geophysically Logged By: None Total Depth Drilled: 22 (ft)

FORMATION RECORD

Dep "rom	th(ft) To	Lithologic description of unconsolidated and consolidated units and water horizons
0.0	7.0	Dark brown loam
7.0	12.0	Dark brown clayey loam
12.0	21.0	Tan clayey sand, wet
21.0	22.0	Tan clayey sand with rock chips
22.0		T.D
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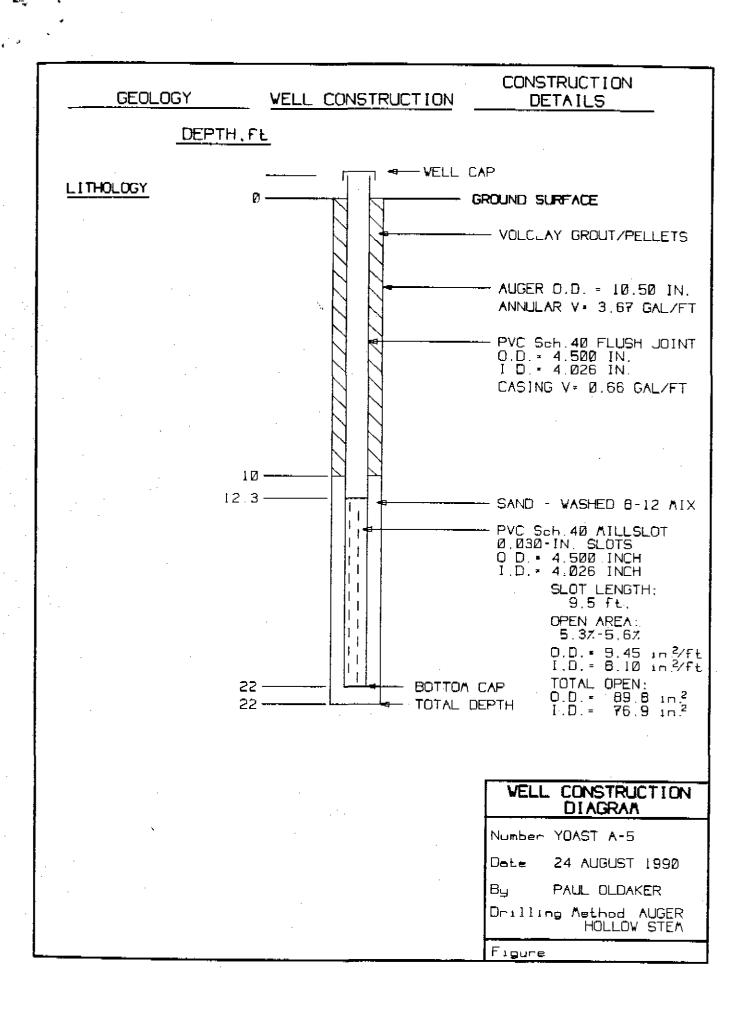
PEABODY COAL COMPANY - WESTERN DIVISION MONITOR WELL LITHOLOGIC LOG

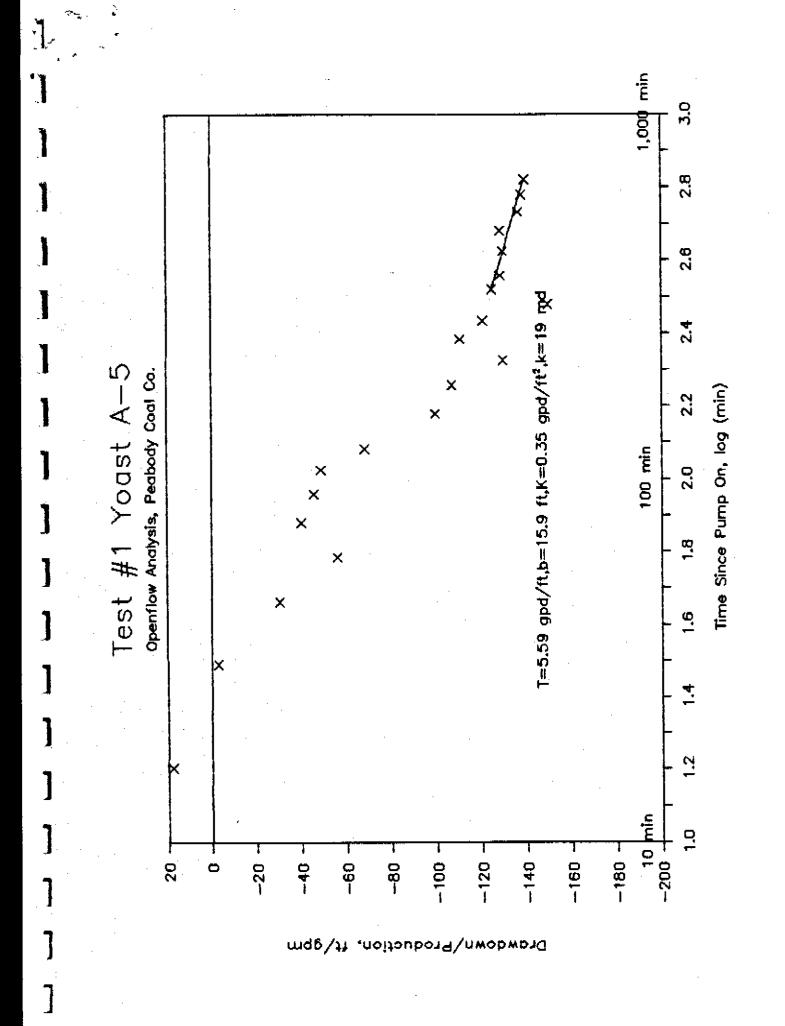
40

Mine: Yoast Monitor Well Name: File No. MH - 16470 Geologic Unit Monitored: Annand Draw Alluyium	Page <u>1 \ 1 </u>
Ground Surface Elevation (ft-amsi) Location: Mine Coordinates N. E.	
SE 1, SW 1, T 5 S., R 87 W., S 8	Jan 1
Drilling Date: Start 8/24/90 Finish 8/24/90	왕(17) (17) 왕(왕(17) (17) (17) (17) (17)
Drilled By: Boyles Brothers Drilling Co. Logged By: Paul Oldaker Geophysically Logged By: None Total Depth Drilled: 22 (ft)	

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Dep From	th(ft) To	Lithologic description of unconsolidated and consolidated units and water horizons
0.0	7.0	Dark brown loam
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12.0	21.0	Tan clayey sand, wet
21.0	22.0	Tan clayey sand with rock chips
22.0	1	T.D
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WELL TEST AWALYSIS \$1 YOAST A-5 YOAST PRABODY COAL CO. PILE 17STYA5.WK1 UPDATE = 17 NOVEMBER 1990

Time			Field Measu	rements	Time Parame	ters
Date	hours	nin	Discharge Reading ml/min	Downhole Pressure psi	Time Pump On tp min	log (tp)
17-Nov-90	8	59		4.300	. 0	BRR
17-Nov-90	9	15	223	4.750	16	1.204
17-Nov-90	9	30	150	4.250	31	1.491
17-Nov-90	9	45	130	3.850	46	1.663
17-Nov-90	10	Đ	125	3,500	61	1.785
17-Nov-90	10	15	230	3.250	76	1.881
17-Nov-90	10	30.	240	3.050	91	1.959
17-Nov-90	10	45	260	2.850	106	2.025
17-Mov-90	11	. 0	230	2.505	121	2.083
17-Nov-90	11	30	180	2.250	151	2.179
17-Nov-90	12	0	180	2.100	181	2.258
17-Nov-90	12	30	150	2.075	211	2.324
17-Nov-90	13	D	180	2.025	241	2.382
17-Nov-90	13	30	170	1.950	271	2.433
17-Nov-90	14	0	140	1.900	301	2.419
17-Nov-90	14	30	170	1.875	331	2.520
17-Nov-90	15	0	170	1.800	361	2.558
17-Nov-90	16	0	170	1.775	421	2.624
1 †-Nov-9 0	17	. 0	160	1.950	481	2.682
17-Nov-90	18	0	160	1.800	541	2.733
17-Nov-90	19	0	160	1.775	501	2.779
17-Nov-90	20	. 0	160	1.750	661	2.820

WELL TEST ANALYSIS #1 YOAST A-5 YOAST PRABODY COAL CO. FILE ITSTYAS.WEI UPDATE = 17 HOVEEBER 1990

ters		Discharge	Annand Draw	Alluvium Dr	Lendonu		
log (tp) log (min)	Time Since Pump Off t' or et min	Water Qw gpm	Drawdown # ft	Inverse #/Qw ft/gpm	Inverse Regression s/Qu It/gpm		
BRR							
1.204		0.06	1.04	17.62			
1.491		0.04	-0.12	-2.92			
1.663		0.03	-1.04	-30.29			
1.785		0.01	-1.85	-56.00	•		
1.881		0.06	-2.43	-39.95			
1.959	•	0.05	-2.89	-45.57			
2.025	•	0.07	-3.35	-48.80			
2.083		0.06	-4.15	-68.29			
2,179		0.05	-4.74	-99.65			
2.258		0.05	-5.08	-106.94			
2.324		0.04	-5.14	-129.79			
2.382		0.05	-5.26	-110.59			
2,433		0.04	-5.43	-120.96			
2.479		0.04	-5.54	-150.00			
2.520		0.04	-5.60	-124.82	-125		
2.558		0.04	-5.78	-128.68	-127		
2.624		0.04	-5.83	-129.96	-130		
2,682		0.04	-5.43	-128.52	-133		
2.733		0.04	-5.78	-136.72	-135		
2.779		0.04	-5.83	-118.09	-137		
2.820		0.04	-5.89	-139.45	-139		

	·				
GW8 07/9	(303) 866-3581	For Office Use only			
Pi	RIOR TO COMPLETING FORM, SEE INSTRUCTIONS ON REVERSE SIDE	1,500140	טיי		
1	CHANGE IN OWNERSHIP/ADDRESS / LOCATION	MAY 12 1	995		
<u></u>	WELL PERMIT, LIVESTOCK TANK OR EROSION CONTROL DAM	WATER RESOUR STATE ENGINE			
1.	NEW OWNER	COFO.			
	NAME(S) Seneca Coal Company Mailing Address PO Drawer D, 36600 Routt County Rd 27 City, St. Zip Hayden, CO 81639 Phone (970) 276-3707	RECEIVED			
2.	THIS CHANGE IS FOR ONE OF THE FOLLOWING:	ML 31'95			
	WELL PERMIT NUMBER	WATER RESOURCES			
	LIVESTOCK WATER TANK NUMBER	COLO			
	EROSION CONTROL DAM NUMBER				
3.	WELL LOCATION: COUNTY ROUTT OWNER'S WE	LL DESIGNATION Y	OV30		
	(Address) (City)	(State)	` ''		
	SW 1/4 of the NE 1/4, Sec. 19 Twp. 5 X N. or S., Range	87 E. or LX W.	6 P.M.		
	Distances from Section Lines Ft. from N. or S. Line,	Ft. from E. a	₃r		
	Subdivision Lot Block Filing (Unit)				
4.	LIVESTOCK TANK OR EROSION CONTROL DAM LOCATION: COUNTY				
	1/4, Sec. Twp. N. or S., Range C	E. or . W	Л		
5.	The above listed owner(s) say(s) that he (they) own the structure described herein				
	The existing record is being amended for the following reason(s):				
	Change in name of owner.	Correction	on of location.		
6.	I (we) have read the statements made herein, know the contents thereof, and state	that they are true	·		
	to my (our) knowledge. [Pursuant to Section 24-4-104 (13)(a) C.R.S., the making of false statements herein the second degree and is punishable as a class 1 misdemeanor.]	n constitutes perjury in			
	Name/Title (Please type or print) Signature	4 4 1	Date		
	H. Theodore Smith N. Jheodore	Smith	5/8/95		
	FOR OFFICE USE ONLY		1		
	ACCEPTED AS A CHANGE IN OWNERSHIP AND/OR MAILING ADDRESS.	1			
			ţ		
	the D. Simper Jandy Street	AUG 0 9 1995	·		
	State Engineer	Date MDUse			
ı	Court Case No Div Co VpSasin				

INSTRUCTIONS CHANGE OWNERSHIP-ADDRESS LOCATION CORRECTION FORM JULY 1993 IN NO FEE IS REQUIRED

The form must be typewritten or printed in BLACK INK. Initial and date any changes you make on the form.

THIS FORM MAY BE REPRODUCED BY PHOTOCOPYING OR WORD PROCESSING MEANS. INCOMPLETE FORMS WILL BE RETURNED. ATTACH ADDITIONAL SHEETS IF MORE SPACE IS NEEDED.

- 1. Print the new owner's name and include the mailing address and phone number.
- 2. Indicate if the change in ownership/address is for a well permit, livestock water tank or erosion control dam. Be sure to include the proper permit, tank or dam number.
- Complete the well location information. If the address of the well location is different than the mailing address of the owner, include the address where the well is located. If the owner has more than one well, provide well name or number as designated by the owner; i.e. North Well. The actual well location must include 1/4, 1/4, Section, Township and Range. Check the appropriate boxes for North or South and East or West directions. Complete the Subdivision, Lot, Block and Filing information, if applicable.
- 4. Complete the location information for the livestock water tank or erosion control dam. The actual location must include 1/4, Section, Township, Range and P.M. Check the appropriate boxes for North or South and East or West directions.
- 5. Check the reason(s) for submitting the form, whether it is a change in ownership/address and/or location correction.
- The owner of the structure must sign. Print or type your name in the first block if it is different from Item No. 1. If signing as a representative of a company who owns the structure, then your title must also be included in the first block. Sign the second block and date the last block.

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- B. Your well is not of the type described in A above, but was permitted or registered prior to May 17, 1965. Inside the Designated Ground Water Basins, other procedures and publication may be required.
- C. Your well was decreed by the Water Court for the correct location.

IN ALL OTHER CASES USE FORM GWS-42

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If you have questions, contact the Denver or the Division Office where your well is located.

DIVISION 1

800 8th Ave Rm 321 Greeley CO 80631 (303) 352-8712

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DIMSION 6 Box 773450 625 So. Lincoln Ave Stmbt Spgs CO 80477 (303) 879-0272

DIVISION 3 Box 269 422 4th St Alamosa CO 81101 (719) 589-6683

DIVISION 7 Box 1880 1474 Main St Durango CO 81302 (303) 247-1845 **DIVISION 4** Box 456 1540 E Niagara Montrose CO 81402 (303) 249-6622

DENVER OFFICE Rm 821 1313 Sherman St Denver CO 80203 (303) 866-3581 FORM NO STATE OF COLORADO For Office Use only GW5-10 OFFICE OF THE STATE ENGINEER 10/89 518 Centennial Bldg., 1313 Sherman St., Derwer, Colorado 80203 (303) 866-3581 RECEIVED FOR INSTRUCTIONS, SEE REVERSE SIDE STATEMENT OF BENEFICIAL USE JUN 12'92 WELL PERMIT NUMBER 039859-M WATER RESOURCES STATE ENGINEER WELL OWNER NAME(S) Peabody Coal Company Mailing Address 1300 South Yale Flagstaff, AZ 86001 City, St. Zip Phone (602) 774-5253 WELL LOCATION: COUNTY ROUTT OWNER'S WELL DESIGNATION Same as above (Zip) SW 1/4 of the NE 1/4, Sec. 19 Twp. 5 X N. or S., Range 87 E. or X W. 6 P.M. Distances from Section Lines 2260 Ft. from V N. or S. Line, 1800 Ft. from V E. or W. Line. The well is being used for the following purpose(s): To monitor for mining impacts to ground water levels and quality. 19 90 July 26 Water from the well was first used beneficially for the above purpose(s) on The pumping rate claimed is < 1 gallons per minute. The average annual amount of water diverted is N/A acre feet. N/A Square feet, The land area irrigated (watered) by water from this well is: described as: (Lagal Description) Subdivision Lot(s)____ Block Filing/Unit ____ or as Lic. No: 1223 Well drilled by: Sharpe Drilling Company Pump installed by: N/A Lic. No: ____ Serial No.: Meter Mfg. by ___ Date Installed: I (we) have read the statements made herein, know the contents thereof, and state that they are true to my (our) knowledge. [Pursuant to Section 24-4-104 (13)(a) C.R.S., the making of false statements herein constitutes perjury in the second degree and is punishable as a Class 1 misdemeanor.] H. Theodore Smith 6/10/92 Senior Hydrologist FOR OFFICE USE ONLY Pursuant to HB 92-1008, effective March 19,1992, monitoring and observation well use is an exempt use pursuant to Section 37-92-602(1)(f). This permit shall remain valid provided that the well is constructed prior to the expiration date. A statement of beneficial use is not required. State Engineer Court Case No. Co. Div. WD

Basin

MD

Use

IMPORTANT INFORMATION: IF THE PERMIT WAS APPROVED PURSUANT TO C.R.S. 37-90-137(2) OR 37-90-105 THEN THE STATEMENT OF BENEFICIAL USE MUST BE RECEIVED BY THE STATE ENGINEER PRIOR TO THE ... EXPIRATION OF THE PERMIT. IF THE PERMIT WAS APPROVED PURSUANT TO C.R.S. 37-90-107, THE STATEMENT OF BENEFICIAL USE MUST BE RECEIVED WITHIN THREE YEARS FROM THE DATE THE PERMIT WAS ISSUED.

NOTE: IF THE PERMIT WAS APPROVED PURSUANT TO C.R.S. 37-90-137(4), THEN YOU MUST USE FORM NO. GWS-18 "NOTICE OF WELL COMPLETION" AND FORM NO. GWS-19 "NOTICE OF COMMENCEMENT OF BENEFICIAL USE".

The Statement must be typewritten or printed in <u>BLACK INK</u> Initial and date any changes you make on the form. INCOMPLETE FORMS ARE NOT ACCEPTABLE AND WILL BE RETURNED. ATTACH ADDITIONAL SHEETS IF MORE SPACE IS NEEDED.

NO FEE IS REQUIRED IF THE STATEMENT IS SUBMITTED TIMELY. IF NOT SUBMITTED TIMELY, A FEE MAY BE REQUIRED.

The Well Permit Number must be indicated in the space provided at the top of the form. Item Number

- Print the well owner's name and include the mailing address and phone number.
- If the well location is different than the mailing address of the owner, include the address where the well is located. If the owner has more than one well, provide well name or number as designated by the owner; i.e. North Well. The actual well location must include 1/4, 1/4, Range, Township, Section and distances from Section lines. Mark the appropriate boxes for North or South and East or West directions.
- Describe the use(s) to which the water has actually been applied. Permitted uses are described in the conditions of approval of the permit.
- Enter the date of first beneficial use. This is the date water from the well was first used beneficially for the purposes described in item 3 under the permit number indicated. The date claimed cannot predate the issuance of the permit. It is not the date the form is completed, nor is it the date the well was test pumped.
- 5. Enter the pumping rate claimed. The rate cannot exceed the permitted maximum rate or the actual pumping rate in gallons per minute, whichever is less: 449 gallons per minute is equivalent to one cubic foot of water per second.
- 6. Enter the annual amount of water diverted in acre feet. The amount claimed cannot exceed the physical capacity of the well or the permitted amount as limited by any conditions of approval. One acre foot is equivalent to 325,900 gallons. An ordinary home with lawn and garden impation diverts an average of less than one acre toot. Average in house use which does not include lawn and garden irrigation (watering) diverts 1/5 acre foot.
- 7. Report the area irrigated either as acres or square feet by filling in the correct number and checking that appropriate box. You must describe the specific area imigated using either the legal description of that land or by referencing the Subdivision, Lot, Block and Filing or Unit number. Lawn and garden watering is considered infigation. If the well is not used for infigation, place a zero in the acres/square feet imigated blank. One acre is equivalent to 43,560 square feet. One acre foot is equivalent to 43,560 cubic feet of water.
- 8. Indicate the Well Construction and Pump Installation Contractors and their Licensis Numbers. If you did the work yourself, so indicate. You must submit work reports if you constructed the well and/or installed the pump.
- If a totalizing flow meter is required as a condition of the permit, indicate the meter manufacturer name, it's 9. senal number and the date of installation.
- The well owner must sign the Statement. Print or type your name in the first block if it is different from Item 10. No. 1. If signing as a representative of a company who owns the well, then your title must also be included in the first block. Sign the second block and date the last block.

If you have questions, contact the Denver Office or the Division Office where your well is located.

DIVISION 1 209 ARIX BUILDING 800 8TH AVE, GREELEY, CO 80631 (303) 352-8712

DIVISION 2 219 W. 5TH RM. 223 PUEBLO, CO. 81003 (719) 542-3368

DIVISION 3 422 4TH ST. ALAMOSA. CO 81101 (719) 589-6683

DIVISION 4 308 S. FIRST ST. MONTROSE, CO. 81402 (303) 249-6622

DIVISION 5 1429 GRAND AVENUE GLNWD SPGS, CO. 81601 (303) 945-5665

DIVISION 6 320 LINCOLN AVE. STE. E STMBT SPGS., CO. 80477 (303) 879-0272

DIVISION 7 1474 MAIN ST. DURANGO, CO. 81302 1313 SHERMAN ST. (303) 247-1845

DENVER OFFICE RM. 823 DENVER, CO. 80203 (303) 866-3581

Form No., GWS-25

OFFICE OF THE STATE ENGINEER COLORADO DIVISION OF WATER RESOURCES

818 Centenniai Bidg., 1313 Sherman St., Denver, Colorado 80203 (303) 886-3581

1223

APPL	IC.	Δ	N	T
AFFI	11 4	м	IN	

WELL PERMIT NUMBER 039859 M . DIV. $\frac{6}{}$ CNTY. $\frac{54}{}$ WD $\frac{57}{}$ DES. BASIN M MD M

Lot: Block: Filing: Subdiv;

APPROVED WELL LOCATION

DISTANCES FROM SECTION LINES
2260 From North Section

Ft. from East Section Line

Ft. from East Section Line

(602) 774-5253

PEABODY COAL CO

1300 S YALE

FLAGSTAFF, AZ

PERMIT TO CONSTRUCT MONITORING WELL YOV30 (MH-16463)

86001

ISSUANCE OF THIS PERMIT DOES NOT CONFER A WATER RIGHT

CONDITIONS OF APPROVAL

- 1) This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of the permit does not assure the applicant that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.
- 2) The construction of this well shall be in compliance with the Water Well Construction and Pump Installation Rules 2 CCR 402-2, unless approval of a variance has been granted by the State Board of Examiners of Water Well Construction and Pump Installation Contractors in accordance with Rule 17.
- Approved pursuant to CRS 37-90-137(2) to satisfy the permit requirements of CRS 37-90-138(3). Use of this well
 is limited to monitoring water levels and/or water quality sampling.
- 4) This well must be equipped with a locking cap or seal to prevent well contamination or possible hazards as an open well. The well must be kept locked at all times except during sampling or measuring.
- Records of water level measurements and water quality analyses shall be maintained by the well owner and submitted to the Division of Water Resources upon request.
- 6) Upon conclusion of the monitoring program the well owner shall plug and abandon this well in accordance with the Water Well Construction and Pump Installation Rules.
- 7) The owner shall mark the well in a conspicuous place with well permit number and name of aquifer as appropriate. He shall take necessary means and precautions to preserve these markings.
- 8) This well must be constructed by or under the supervision of a licensed well driller or other authorized individual according to the Water Well Construction and Pump Installation Rules.
- 9) A well completion report including lithologic log must be submitted by the individual authorized to construct the well. For non-standard construction the report must include an as built drawing showing details; such as depth, casing, perforated zones, and a description of the grouting type and interval.
- 10) This well shall be constructed not more than 200 feet from the location specified on this permit.
- Issuance of this permit cancels Permit No. 039381-M.

APPROVED:

29023A Engineen DATE ISSUED SEP 18 1991

By EXPIRATION DATE SEP 18 1992

Receipt No.

print in BLACK

COLORADO DIVISION OF WATER RESOURCES. 818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203

RECEIVED

PERMIT APPLICATION FORM Application must () A PERMIT TO USE GROUND WATER be complete where (x) A PERMIT TO CONSTRUCT A WELL applicable. Type or

FOR: () A PERMIT TO INSTALL A PUMP

AUG 12'91 WATER GESQUAGES

8

INK. No overstrikes) REPLACEMENT FOR NO. _ or erasures unless initialed.) OTHER _ WATER COURT CASE NO. (1) APPLICANT - mailing address Peabody Coal Company NAME STREET 1300 South Yale 86001 Flagstaff, 602-774-5253 TELEPHONE NO. _ (2) LOCATION OF PROPOSED WELL Routt County_ SW _1/4 of the___ NE__ ¼, Section _ 6th P.M. N_{Rng.}_ (3) WATER USE AND WELL DATA Proposed maximum pumping rate (gpm) Average annual amount of ground water to be appropriated (acre-feet):_ Number of acres to be irrigated: _____ Aquifer ground water is to be obtained from: Wadge Overburden (Williams Fork Fm) Y0V30 Owner's well designation _ **GROUND WATER TO BE USED FOR:**) HOUSEHOLD USE ONLY - no irrigation (0)) INDUSTRIAL (5)) DOMESTIC (1)) IRRIGATION (6)) LIVESTOCK (2)) MUNICIPAL (8)) COMMERCIAL (4) (x) OTHER (9) Monitoring levels & quality.... DETAIL THE USE ON BACK IN (11) (4) DRILLER Sharpe Drilling Company Name _ P.O. B ox 710 Street . Trinidad, CO City_ (State) 719-846-2584 Lic. No. __1223 Telephone No. ___

FOR OFFICE USE ONLY: DO NOT WRITE IN THIS COLU	
Receipt No. 329023A	12982
Basin Dist	12-91CL
CONDITIONS OF APPROVAL	38-12-
This well shall be used in such a way as to cause	壹

This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of the permit does not assure the applicant that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.

APPLICATION APPROVED

FERIVII	I NUMBER	
DATE!	SSUED	
EXPIRA	ATION DATE	
•••	(S	FATE ENGINEER)
BY	6	54 - 57

(5) THE LOCATION OF THE PROPOSED WELL and the area on which the water will be used must be indicated on the diagram below. Use the CENTER SECTION (1 section, 640 acres) for the well location.	(6) THE WELL MUST BE LOCATED BELOW by distances from section lines.
+-+-+-+-+-+-+-+-+	
1 MILE, 5280 FEET	1800 ft. fromEsec. line
+ + + + + + + + 	LOTBLOCKFILING #
NORTH SECTION LINE	SUBDIVISION
+ NORTH + + + + + + + + + + + + + + + + + + +	(7) TRACT ON WHICH WELL WILL BE LOCATED Owner: N/A
AST SECTION THE PROPERTY OF TH	No. of acres Will this be There will be more than one monitoring the only well on this tract? well on this tract.
	(8) PROPOSED CASING PROGRAM Plain Casing
+ h + + + + + + + + + + + + + + + + + +	
+ - + - 	ft. toft. Perforated casing
SOUTH SECTION LINE	4 in. fromft. to141ft.
+ + + + + + + +	in, from ft. to ft.
	(9) FOR REPLACEMENT WELLS give distance and direction from old well and plans for plugging
	it:
The scale of the diagram is 2 inches = 1 mile Each small square represents 40 acres.	
WATER EQUIVALENTS TABLE (Rounded Figures) An acre-foot covers 1 acre of land 1 foot deep 1 cubic foot per second (cfs) 449 gallons per minute (gpm) A family of 5 will require approximately 1 acre-foot of water per year. 1 acre-foot 43,560 cubic feet 325,900 gallons. 1,000 gpm pumped continuously for one day produces 4.42 acre-feet.	
(10) LAND ON WHICH GROUND WATER WILL BE USED:	
Owner(s): N/A	No. of acres:
Legal description:	
(12) OTHER WATER RIGHTS used on this land, including wells. Giv	e Registration and Water Court Case Numbers.
Type or right Used for (purpose) N/A	Description of land on which used
· · · · · · · · · · · · · · · · · · ·	
(13) THE APPLICANT (S) STATE (S) THAT THE INFORMATION TRUE TO THE BEST OF HIS KNOWLEDGE. N. Theodore Smith Senior Hydrologist	
SIGNATURE OF APPLICANT(S)	

RECEIVED

AUG 12'91

WATER RESOURCES STATE ENGINEER COLO

ATTACHMENT 1



PEABODY COAL COMPANY Western Division 1300 South Yale Flagstaff, Arizona 86001 (602) 774-5253

RECEIVED

AUG 1 2'91.

VATER RESOURCES STATE ENGINEER COLO.

August 6, 1991

Mr. Fred Lou Office of the State Engineer Division of Water Resources 1313 Sherman Street, Room 818 Denver, Colorado 80203

Dear Mr. Lou:

Enclosed please find two attachments. Attachment 1 contains three corrected well permit application forms. These forms, along with seventeen others, were submitted to your office by Joseph Cope of the firm, Frascona and Joiner on June 11, 1991. These three forms contained errors which translated into incorrect well locations being specified on the well permits issued to us by your office. The well permit numbers containing the coordinate errors are 039379, 039380 and 039381. Please void these well permit numbers and reissue three new ones based on the correct information presented on the well permit applications. A reapplication fee of \$60.00 is included.

Attachment 2 contains copies of two of the twenty well permit applications referenced in Attachment

1. In the permit permit permit numbers for three wells completed in different units within the Williams Fork formation. A well permit (No. 039382) was issued for one of the wells (identified as YWU (MH-16464) and we can only assume the absence of permit numbers for the other two wells was an oversight on your part.

1554 ed 8/2/91 \$ 39524-M \$ 39523-M



PEABODY COAL COMPANY Western Division



1300 South Yale Flagstaff, Arizona 86001 (602) 774-5253

August 6, 1991

Mr. Fred Lou Office of the State Engineer Division of Water Resources 1313 Sherman Street, Room 818 Denver, Colorado 80203

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Attachment 2 contains copies of two of the twenty well permit applications referenced in Attachment 1. For some reason, unknown to Peabody, well permit numbers were not issued by your agency for these two applications. The two wells are part of a cluster of three wells completed in different units within the Williams Fork formation. A well permit (No. 039382) was issued for one of the wells (identified as YWU (MH-16464) and we can only assume the absence of permit numbers for the other two wells was an oversight on your part.

Issued 8/2/91 Hs 39524-M + 39523-M Fred Lou Page 2

RECEIVED

Please let us know your determination at your earliest convenience.

AUG 1 2'91

AD SRIGER (#ESQURCES ATE ENGINEER TOLO

Sincerely,

H. Theodore Smith Senior Hydrologist

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Encl.

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AUS 12'91



ATTACHMENT 2

	The state of the s				
	AM NO. STATE OF COLORADO S-11 OFFICE OF THE STATE ENGINEER 818 Centennial Bidg., 1313 Sherman St., Denver, Colorado 80203 (303) 866-3581				
PF	RIOR TO COMPLETING FORM, SEE INSTRUCTIONS ON REVERSE SIDE	RECEIVED			
	CHANGE IN OWNERSHIP/ADDRESS / LOCATION	MAY 1 2 199	5		
	WELL PERMIT, LIVESTOCK TANK OR EROSION CONTROL DAM	WATER RESOURCE STATE ENGINEER	s		
1.	NEW OWNER	COLO.			
1	NAME(S) Seneca Coal Company	1			
	Mailing Address PO Drawer D., 36600 Routt County Rd 27 City, St. Zip Hayden, CO 81639	HECEIVED			
	Phone (970) 276-3707				
2.	THIS CHANGE IS FOR ONE OF THE FOLLOWING:	31. 31.35			
-		WATER RESONCES			
	WELL PERMIT NUMBER 039861-M	SENVE GOVERN			
	LIVESTOCK WATER TANK NUMBER				
	EROSION CONTROL DAM NUMBER	•			
Ц					
3.	WELL LOCATION: COUNTY ROUTT . OWNER'S WE	LL DESIGNATIONY	130		
	(Address) (City)	(State)	(Zip)		
			` .,		
	SW 1/4 of the NE 1/4, Sec. 19 Twp. 5 X N. or S., Range				
	Distances from Section Lines Ft. from N. or S. Line, Ft. from E. or W. Line,				
	Subdivision Lot Block Filing (Unit)				
4.	1. LIVESTOCK TANK OR EROSION CONTROL DAM LOCATION: COUNTY				
	1/4, SecTwpN. orS., Range E orWP.M.				
5.	The above listed owner(s) say(s) that he (they) own the structure described herein	•			
J.	The existing record is being amended for the following reason(s):				
	Change in name of owner. Change in mailing address. Correction of location.				
Н		. = 1.	 .		
6.	i (we) have read the statements made herein, know the contents thereof, and state to my (our) knowledge.	that they are true			
	[Pursuant to Section 24-4-104 (13)(a) C.R.S., the making of false statements herein constitutes perjury in				
Н	the second degree and is punishable as a class 1 misdemeanor.] Name/Title (Please type or print) Signature	o e • 1	Date		
	H. Theodore Smith	Smith	- 10 10-		
	Sentor Hydrotogist 71. Cymaesia	<i>5</i> 7/100 - 0	5/8/95		
	FOR OFFICE USE ONLY				
	ACCEPTED AS A CHANGE IN OUR				
	ACCEPTED AS A CHANGE IN OWNERSHIP O O				
	$\mathcal{U}_{\bullet} = \mathcal{V}_{\bullet}$				
	Hal D. Simpon				
	landesther	AUG 0 9 1995			
	State Engineer By Deate Court Case No. Div. Co. 54 w 58 Basin MD Use				
H	Court Case No Div. Co. 3 Y We 3N Basin	~~			

INSTRUCTIONS CHANGE OWNERSHIP-ADDRESS LOCATION CORRECTION FORM JULY 1993 NO FEE IS REQUIRED

The form must be typewritten or printed in BLACK INK. Initial and date any changes you make on the form.

THIS FORM MAY BE REPRODUCED BY PHOTOCOPYING OR WORD PROCESSING MEANS.
INCOMPLETE FORMS WILL BE RETURNED. ATTACH ADDITIONAL SHEETS IF MORE SPACE IS NEEDED.

- 1. Print the new owner's name and include the mailing address and phone number.
- 2. Indicate if the change in ownership/address is for a well permit, livestock water tank or erosion control dam. Be sure to include the proper permit, tank or dam number.
- 3. Complete the well location information. If the address of the well location is different than the mailing address of the owner, include the address where the well is located. If the owner has more than one well, provide well name or number as designated by the owner; i.e. North Weil. The actual well location must include 1/4, 1/4, Section, Township and Range. Check the appropriate boxes for North or South and East or West directions. Complete the Subdivision, Lot, Block and Filing Information, if applicable.
- 4. Complete the location information for the livestock water tank or erosion control dam. The actual location must include 1/4, Section, Township, Range and P.M. Check the appropriate boxes for North or South and East or West directions.
- Check the reason(s) for submitting the form, whether it is a change in ownership/address and/or location correction.
- 6. The owner of the structure must sign. Print or type your name in the first block if it is different from item No. 1. If signing as a representative of a company who owns the structure, then your title must also be included in the first block. Sign the second block and date the last block.

USE THIS FORM TO CORRECT THE LOCATION OF YOUR WELL IF:

- A. Your well was permitted, registered, or first used prior to May 8, 1972 for ordinary household purposes in up to three single-family dwellings, fire protection, the watering of poultry, domestic animals, and livestock on farms and ranches and the irrigation of not over one acre of home gardens and lawns.
- B. Your well is not of the type described in A above, but was permitted or registered prior to May 17, 1965. Inside the Designated Ground Water Basins, other procedures and publication may be required.
- C. Your well was decreed by the Water Court for the correct location.

IN ALL OTHER CASES USE FORM GWS-42

All other types of changes concerning Livestock Water Tanks and Erosion Control Dams should be submitted on the standard Permit Application form and be accompanied by a \$15.00 filing fee.

If you have questions, contact the Denver or the Division Office where your well is located.

DIVISION 1 800 8th Ave Rm 321 Greeley CO 80631 (303) 352-8712

DIVISION 5 Box 396 50633 US Hwy 6 & 24 Ginwd Spgs CO 81601 (303) 945-5665 **DIVISION 2** Box 5728 219 W 5th Rm 223 Pueblo CO 81003 (719) 542-3368

DIVISION 6 Box 773450 625 So. Lincoln Ave Stmbt Spgs CO 80477 (303) 879-0272 **DIVISION 3** Box 269 422 4th St Alamosa CO 81101 (719) 589-6683

DIVISION 7 Box 1880 1474 Main St Durango CO 81302 (303) 247-1845 **DIVISION 4** Box 456 1540 E Niagara Montrose CO 81402 (303) 249-6622

DENVER OFFICE Rm 821 1313 Sherman St Denver CO 80203 (303) 866-3581

FOR GWS td/a		ir	For Office Use only
্ব	518 Cantennial Bidg., 1313 Sherman St. Denver. (303) 866-3561	r, Colorado 80203	
	FOR INSTRUCTIONS, SEE REVERSE SID	DE	RECEIV ED
	STATEMENT OF BENE	FICIAL USE	
	WELL PERMIT NUMBER0	-	JUN 12'92
1.	WELL OWNER		WATER RESOURCES STATE ENGINEER
	NAME OF POSTORY COST COMPONY		SING COMM
	Mailing Address 1300 South Yale		·
	City, St. ZipFlagstaff, AZ 86001		
	Phone (602) 774-5253		W150
2.	WELL LOCATION: COUNTY Routt Same as above	OWNER'S WI	ELL DESIGNATION YW30
	(Address)	(City)	(State) (Zip)
	SW 1/4 or the NE_1/4, Sec. 19 Twp.	5 XN~\\ 8 B	ange 87 F X W. 6 P.M
Ш	Distances from Section Lines 2320 Ft. fr		
3.	The well is being used for the following purpose water levels and quality.	se(s): To monitor for	or mining implacts to ground
4.	Water from the well was first used beneficially	for the above purpose(s)	on July 26, 19 90
5.	The pumping rate claimed is < 1 ga	allons per minute.	
6.	The average annual amount of water diverted	is N/A acre	feet.
7.	The land area irrigated (watered) by water from	m this well is: N/A	Acres or Square feet.
	described as:		
	·	gai Description) Subdivision Lot(s)	Block Filing/Unit
8.	Well drilled by: Sharpe Drilling Company		Lic. No: 1223
5.	Pump installed by: N/A	<u> </u>	Lic. No:
9.	Meter Mfg. by N/A Ser	rial No.:	
	i (we) have read the statements made herein, knowledge. [Pursuant to Section 24-4-104 (13	know the contents thereo	f, and state that they are true to my (our)
	in the second degree and is punishable as a	Class 1 misdemeanor.]	
10.	Name/Title (Please type or print) H. Theodore Smith Senior Hydrologist	Fignature N. Theodore	Smith 6/10/92
	Pursuant to HB 92-1008, effective March 19,1992, FOR monitoring and observation well use is an exempt use pursuant to Section 37-92-602(1)(f). This permit shall remain valid provided that the well is constructed prior to the expiration date. A starement of beneficial use is not required.	OFFICE USE ONLY	
		. •	
	State Engineer	By Co. WD	Basin MD Use
R	Court Case No. Div.	Co. WD	Basin MD Use

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INSTRUCTIONS FOR THE COMPLETION OF STATEMENT OF BENEFICIAL USE

IMPORTANT INFORMATION: IF THE PERMIT WAS APPROVED PURSUANT TO C.R.S. 37-90-137(2) OR 37-90-105, THEN THE STATEMENT OF BENEFICIAL USE MUST BE RECEIVED BY THE STATE ENGINEER PRIOR TO THE EXPIRATION OF THE PERMIT. IF THE PERMIT WAS APPROVED PURSUANT TO C.R.S. 37-90-107, THE STATEMENT OF BENEFICIAL USE MUST BE RECEIVED WITHIN THREE YEARS FROM THE DATE THE PERMIT WAS ISSUED.

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- 8. Indicate the Well Construction and Pump Installation Contractors and their Licensie Numbers. If you did the work yourself, so indicate. You must submit work reports if you constructed the well and/or installed the pump.
- If a totalizing flow meter is required as a condition of the permit, indicate the meter manufacturer name, it's serial number and the date of installation.
- 10. The well owner must sign the Statement. Print or type your name in the first block if it is different from Item No. 1. If signing as a representative of a company who owns the well, then your title must also be included in the first block. Sign the second block and date the last block.

If you have questions, contact the Denver Office or the Division Office where your well is located.

DIVISION 1 209 ARIX BUILDING 800 8TH AVE. GREELEY, CO 80631 (303) 352-8712

DIVISION 5 1429 GRAND AVENUE GLNWD SPGS. CO. 81601 (303) 945-5665 DIVISION 2 219 W. 5TH RM. 223 PUEBLO, CO. 81003 (719) 542-3368

DIVISION 6 320 LINCOLN AVE. STE. E STMBT SPGS., CO. 80477 (303) 879-0272 DIVISION 3 422, 4TH ST. ALAMOSA, CO 81101 (719) 589-5883

DIVISION 7⁻ 1474 MAIN ST. DURANGO, CO. 81302 (303) 247-1845 DIVISION 4 308 S. FIRST ST. MONTROSE. CO. 81402 (303) 249-6622

DENVER OFFICE RM. 823 1313 SHERMAN ST. DENVER, CO. 80203 (303) 866-3581



OFFICE OF THE STATE ENGINEER COLORADO DIVISION OF WATER RESOURCES

818 Centennial Bidg., 1313 Sherman St., Denver, Colorado 80203 (303) 866-3581

1223

APPL	ICANT

WELL PERMIT NUMBER	039	9861	M
DIV CNTY 54 V	VD <u>57</u>	DES. BASIN _	MD

Lot: Block: Filing: Subdiv:

APPROVED WELL LOCATION

DISTANCES FROM SECTION LINES

2320 Ft. from North Section Line
1800 Ft. from East Section Line

(602)774-5253

FLAGSTAFF, AZ

PEABODY COAL CO

1300 S YALE

PERMIT TO CONSTRUCT MONITORING WELL YW30 (MH-16463)

86001

ISSUANCE OF THIS PERMIT DOES NOT CONFER A WATER RIGHT

CONDITIONS OF APPROVAL

- 1) This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of the permit does not assure the applicant that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.
- 2) The construction of this well shall be in compliance with the Water Well Construction and Pump Installation Rules 2 CCR 402-2, unless approval of a variance has been granted by the State Board of Examiners of Water Well Construction and Pump Installation Contractors in accordance with Rule 17.
- 3) Approved pursuant to CRS 37-90-137(2) to satisfy the permit requirements of CRS 37-90-138(3). Use of this well is limited to monitoring water levels and/or water quality sampling.
- 4) This well must be equipped with a locking cap or seal to prevent well contamination or possible hazards as an open well. The well must be kept locked at all times except during sampling or measuring.
- Records of water level measurements and water quality analyses shall be maintained by the well owner and submitted to the Division of Water Resources upon request.
- 6) Upon conclusion of the monitoring program the well owner shall plug and abandon this well in accordance with the Water Well Construction and Pump Installation Rules.
- 7) The owner shall mark the well in a conspicuous place with well permit number and name of aquifer as appropriate. He shall take necessary means and precautions to preserve these markings.
- 8) This well must be constructed by or under the supervision of a licensed well driller or other authorized individual according to the Water Well Construction and Pump Installation Rules.
- 9) "A well completion report including lithologic log must be submitted by the individual authorized to construct the well. For non-standard construction the report must include an as built drawing showing details; such as depth, casing, perforated zones, and a description of the grouting type and interval.
- 10) This well shall be constructed not more than 200 feet from the location specified on this permit,
- 11) Issuance of this permit cancels Permit No. 039380-M.

APPROVED:

Receipt No.

0329023C

ATE ISSUED SEP 18 1991

Step no Soy

EXPIRATION DATE

COLORADO DIVISION OF WATER RESOURCES

818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203

RECEIVED

Application must be complete where applicable. Type or print in BLACK INK, No overstrikes or erasures unless initialed.

719-846-2584

, Lic. No. <u>1223</u>

PERMIT APPLI	ICATION FORM ANS 12'91	_
(X) A PERMIT TO C FOR: () A PERMIT TO IT	7100	80°89
() REPLACEMENT () OTHER WATER COURT (FOR NO.	CHECOLE
SS	FOR OFFICE USE ONLY: DO NOT WRITE IN THIS COL	
Company	Receipt No. <u>(2029/002/3C)</u>	29923
ale	Basin Dist.	_글
AZ 86001 ste) (Zip)	CONDITIONS OF APPROVAL	88-12-9

(1) APPLICANT - mailing address	FOR OFFICE USE ONLY: DO NOT WRITE IN THIS COLU
NAMEPeabody Coal Company	Receipt No. (32900230)
STREET 1300 South Yale	Basin Dist
CITY Flagstaff AZ 86001	CONDITIONS OF APPROVAL
TELEPHONE NO. 602-774-5253	This well shall be used in such a way as to cause
(2) LOCATION OF PROPOSED WELL	no material injury to existing water rights. The issuance of the permit does not assure the applicant
CountyRoutt	that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.
SW 1/2 of the NE 1/4, Section 19	Vigita ironii sookiilg voilot iit a sivii soore action.
Twp. 5 N, Rng. 87 W, 6th P.M.	
(3) WATER USE AND WELL DATA	
Proposed maximum pumping rate (gpm) < 1 gpm	·
Average annual amount of ground water to be appropriated (acre-feet):	
Number of acres to be irrigated:	
Proposed total depth (feet): 208	
Aquifer ground water is to be obtained from: Wadge Coal (Willaims Fork Fm)	,
Owner's well designationYW30	
GROUND WATER TO BE USED FOR:	
() HOUSEHOLD USE ONLY · no irrigation (0) () DOMESTIC (1) () INDUSTRIAL (5) () LIVESTOCK (2) () IRRIGATION (6) () COMMERCIAL (4) () MUNICIPAL (8)	
(X) OTHER (9) Monitoring levels & quality	APPLICATION APPROVED
DETAIL THE USE ON BACK IN (11)	BERNAT W. W. B. B.
(4) DRILLER	PERMIT NUMBER
Name Sharpe Drilling Company	EXPIRATION DATE
P.O. Box 710	EX IIIA IIIA DATE
City Trinidad, CO 81082	(STATE ENGINEER)
(State) (Zip)	

(5) THE LOCATION OF THE PROPOSED WELL and the area on which the water will be used must be indicated on the diagram below. Use the CENTER SECTION (1 section, 640 acres) for the well location.	•
+	Sec. line
1 MILE, 5280 FEET	1800 ft. from E sec. line
+ + + + + + + + + + + + + + + + + + + +	LOTBLOCKFILING #
NORTH SECTION LINE	SUBDIVISION
NORTH,	(7) TRACT ON WHICH WELL WILL BE LOCATED Owner: N/A
	No. of acres Will this be There will be more than one monitoring well the only well on this tract? on this tract.
19 X SECTION + - +	(8) PROPOSED CASING PROGRAM Plain Casing
+ - + + + + + + + + + + + + + + + + + +	-
SOUTH SECTION LINE	in, fromft, toft. Perforated casing
	in. from <u>188_5</u> ft. to <u>208</u> ft.
+ + + + + + + +	in. from ft. to
	(9) FOR REPLACEMENT WELLS give distance and direction from old well and plans for plugging it:
The scale of the diagram is 2 inches = 1 mile Each small square represents 40 acres.	N/A
WATER EQUIVALENTS TABLE (Rounded Figures) An acre-foot covers 1 acre of land 1 foot deep 1 cubic foot per second (cfs) 449 gallons per minute (gpm) A family of 5 will require approximately 1 acre-foot of water per year. 1 acre-foot 43,560 cubic feet 325,900 gallons. 1,000 gpm pumped continuously for one day produces 4,42 acre-feet.	
(10) LAND ON WHICH GROUND WATER WILL BE USED:	
Owner(s):	No. of acres:
Legal description:	
(11) <u>DETAILED DESCRIPTION</u> of the use of ground water: Househo sylvendo for mining impacts to ground water water was a second water with the second water w	
(12) OTHER WATER RIGHTS used on this land, including wells. Given	ve Registration and Water Court Case Numbers.
Type or right Used for (purpose) N/A	Description of land on which used
(13) THE APPLICANT(S) STATE(S) THAT THE INFORMATI TRUE TO THE BEST OF HIS KNOWLEDGE.	ON SET FORTH HEREON IS
N. Therefore Amith Senior Hydrolog	jist

	· · · · · · · · · · · · · · · · · · ·
COLORADO DIVISION OF WATER RESOURCES	Office Use Only Form GWS-46 (1/2001)
DEPARTMENT OF NATURAL RESOURCES	RECEIVED FORM GWS-46 (1/2001)
1313 SHERMAN ST., RM 818, DENVER, CO 80203	
phone – info: (303) 866-3587 main: (303) 866-3581	800 1 8 0000
fax: (303) 866-3589 http://www.water.state.co.us	APR 16 2002
MONITORING/OBSERVATION	
	Water resources STATE ENGINEER
Water Well Permit Application	STATE ENGINEEN COLO.
Review instructions on reverse side prior to completing form.	
The form must be completed in black ink.	
1. Well Owner Information	6. Use Of Well
Name of well owner	lice of this well is limited to we its view water beauty
Sour	Use of this well is limited to monitoring water levels
Senera Coal Company	and/or water quality sampling
Mailing address	7. Well Data (proposed)
Box 670	Total depth Aquifer
Cily State Zip code	
	520 feet Williamsforth torm.
Hayden CO 81639	8. Consultant Information (if applicable)
Telephone # 1	
(970) 276-5109	Name of contact person
Type Of Application (check applicable boxes)	Company name
☐ Use existing well ☐ Replacement for existing monitoring well:	·
Construct new well Permit no.: 039378-M	
Other:	Mailing address
Refer To (if applicable)	City State Zip Code
Monitoring hole acknowledgment Well name or #	
$\gamma_{\text{MH-}}$	Telephone #
4. Location Of Proposed Well	1
County C	0 D
1) . Air	9. Proposed Well Driller License #(optional):
Kout 1/4 of the 5 = 1/4	10. Signature Of Well Owner, Consultant Or Authorized
Section Township Nor'S Range E or W Principal Meridian	Agent
Section Township N or S Range E or W Principal Meridian	The making of false statements herein constitutes perjury in the second
19 5 80 87 08 6	The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S.
Third partition and	The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104 (13)(a). I have read the statements herein, know the contents
19 5 80 87 08 6	The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S.
Distance of well from section lines (section lines are typically not property lines)	The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104 (13)(a). I have read the statements herein, know the contents thereof and state that they are true to my knowledge. Sign ere (Must be original signature) Date
Distance of well from section lines (section lines are typically not property lines) 2960 Ft. from No. 1820 Ft. from SE W For replacement wells only – distance and direction from old well to new well	The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104 (13)(a). I have read the statements herein, know the contents thereof and state that they are true to my knowledge. Sign tere (Must be original signature) Date
Distance of well from section lines (section lines are typically not property lines) 2960 Ft. from Nos 1820 Ft. from Section from old well to new well 8,800 feet Novih West direction	The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104 (13)(a). I have read the statements herein, know the contents thereof and state that they are true to my knowledge. Sign tere (Must be original signature) Print name & title
Distance of well from section lines (section lines are typically not property lines) 2960 Ft. from SN S 1820 Ft. from SE W For replacement wells only – distance and direction from old well to new well	The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104 (13)(a). I have read the statements herein, know the contents thereof and state that they are true to my knowledge. Sign tere (Must be original signature) Print name & title
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Distance of well from section lines (section lines are typically not property lines) 2960 Ft. from Nos 1820 Ft. from Section from old well to new well 8,800 feet Novih West direction	The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104 (13)(a). I have read the statements herein, know the contents thereof and state that they are true to my knowledge. Sign tere (Must be original signature) Print name & title
Distance of well from section lines (section lines are typically not property lines) 2960 Ft. from Nos 1820 Ft. from SE W For replacement wells only – distance and direction from old well to new well 3800 feet hough west direction Well location address (if applicable)	The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104 (13)(a). I have read the statements herein, know the contents thereof and state that they are true to my knowledge. Sign here (Must be original signature) Print name & title Date 140-07
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Distance of well from section lines (section lines are typically not property lines) 2960 Ft. from No 1820 Ft. from Section lines are typically not property lines) Replacement wells only – distance and direction from old well to new well Required settings for GPS units are as follows: Format must be UTM Zone must be 13 Units must be Meters Datum must be NAD27 (CONUS) Unit must be set to true north Easting Were points averaged? YES NO 5. Property Owner Information Name of property owner	The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104 (13)(a). I have read the statements herein, know the contents thereof and state that they are true to my knowledge. Sign here (Must be original signature) Date 4-10-0-2 Print name & title Office Use Only USGS map name DWR map no. Surface elev.
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Distance of well from section lines (section lines are typically not property lines) 2960 Ft. from No 1820 Ft. from Section lines are typically not property lines) Replacement wells only – distance and direction from old well to new well Required settings for GPS units are as follows: Format must be UTM Zone must be 13 Units must be Meters Datum must be NAD27 (CONUS) Unit must be set to true north Easting Were points averaged? YES NO 5. Property Owner Information Name of property owner	The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104 (13)(a). I have read the statements herein, know the contents thereof and state that they are true to my knowledge. Sign here (Must be original signature) Print name & title Dennic Jones - Hydlologist T Office Use Only USGS map name DWR map no. Surface elev. Receipt area only Invoice # 498556 4/16/02 - 10:26:12 AH
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Distance of well from section lines (section lines are typically not property lines) 2960 Ft. from No 1820 Ft. from Section lines are typically not property lines) 7800 Ft. from No 1820 Ft. from Section from old well to new well 7800 feet Nov1 West In the North West direction Well location address (if applicable) Optional: GPS well location information in UTM format Required settings for GPS units are as follows: Format must be UTM Zone must be 13 Northing Units must be Meters Datum must be NAD27 (CONUS) Unit must be set to true north Easting Were points averaged? YES NO 5. Property Owner Information Name of property owner Same as well owner Mailing address City State Zip Code	The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104 (13)(a). I have read the statements herein, know the contents thereof and state that they are true to my knowledge. Signifere (Must be original signature) Date 410-02 Print name & title DWR map no. DWR map no. Surface elev. Receipt area only Invoice # 498556 4/16/02 - 10:26:12 AH Cashier ID: 94 \$ 40.00
Distance of well from section lines (section lines are typically not property lines) 2960 Ft. from No 1820 Ft. from Section Well on the well well to new well 3800 feet how hoest direction Well location address (if applicable) Optional: GPS well location information in UTM format Required settings for GPS units are as follows: Format must be UTM Zone must be 13 Northing Units must be Neters Datum must be NAD27 (CONUS) Unit must be set to true north Easting Were points averaged? YES NO 5. Property Owner Information Name of property owner Same as well owner Mailing address	The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104 (13)(a). I have read the statements herein, know the contents thereof and state that they are true to my knowledge. Sign here (Must be original signature) Print name & title Dennic Jones - Hycloologist I Office Use Only USGS map name DWR map no. Surface elev. Receipt area only Invoice # 498556 - 4/16/82 - 10:26:12 RM Cashier ID: 94 \$ 48.88 Check Purchase - #8892
Distance of well from section lines (section lines are typically not property lines) 2960 Ft. from No 1820 Ft. from Section lines are typically not property lines) 7800 Ft. from No 1820 Ft. from Section from old well to new well 7800 feet Nov1 West In the North West direction Well location address (if applicable) Optional: GPS well location information in UTM format Required settings for GPS units are as follows: Format must be UTM Zone must be 13 Northing Units must be Meters Datum must be NAD27 (CONUS) Unit must be set to true north Easting Were points averaged? YES NO 5. Property Owner Information Name of property owner Same as well owner Mailing address City State Zip Code	The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104 (13)(a). I have read the statements herein, know the contents thereof and state that they are true to my knowledge. Signifere (Must be original signature) Date 410-02 Print name & title DWR map no. DWR map no. Surface elev. Receipt area only Invoice # 498556 4/16/02 - 10:26:12 AH Cashier ID: 94 \$ 40.00

Form No. GWS-25

OFFICE OF THE STATE ENGINEER COLORADO DIVISION OF WATER RESOURCES 818 Centennial Bidg., 1313 Sherman St., Denver, Colorado 80203

(303) 866-3581

SENECA COAL COMPANY

HAYDEN, CO 81639-

AUTH

WELL PERMIT NUMBER

241426

DIV. 6

WD 57

DES. BASIN

MD

APPLICANT

APPROVED WELL LOCATION

ROUTT COUNTY

NW 1/4 SE 1/4 Section 19 Township 5 N Range 87 W Sixth P.M.

DISTANCES FROM SECTION LINES

2960 Ft. from North

Section Line

1820 Ft. from East

Section Line

(970) 276-5109

BOX 670

PERMIT TO CONSTRUCT A WELL

UTM COORDINATES Northing:

Easting:

ISSUANCE OF THIS PERMIT DOES NOT CONFER A WATER RIGHT CONDITIONS OF APPROVAL

- This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of this permit 1) does not assure the applicant that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.
- The construction of this well shall be in compliance with the Water Well Construction Rules 2 CCR 402-2, unless approval of a variance has been granted by the State Board of Examiners of Water Well Construction and Pump Installation Contractors in accordance with Rule 18.
- Approved pursuant to CRS 37-92-602(3)(b)(I) for uses as described in CRS 37-92-602(1)(f). Use of this well is limited to monitoring water levels and/or water quality sampling. This well is known as YWC33.
- Approved for the relocation of an existing well, permit no. 39378-M. The old well drilled under permit no. 39378-M must be plugged in accordance with Rule 16 of the Water Well Construction Rules within ninety (90) days of completion of the new well. The enclosed Well Abandonment Report form must be completed and submitted to affirm that the old well was plugged.
- 5) This well must be equipped with a locking cap or seal to prevent well contamination or possible hazards as an open well. The well must be kept capped and locked at all times except during sampling or measuring.
- 6) Records of water level measurements and water quality analyses shall be maintained by the well owner and submitted to the Division of Water Resources upon request.
- Upon conclusion of the monitoring program the well owner shall plug this well in accordance with Rule 16 of the Water Well Construction Rules. A Well Abandonment Report must be completed and submitted to the Division of Water Resources within 60 days of plugging.
- The owner shall mark the well in a conspicuous place with well permit number(s) and name of aguifer as appropriate. and shall take necessary means and precautions to preserve these markings.
- This well must be constructed by or under the supervision of a licensed well driller or other authorized individual according to the Water Well Construction Rules. If non-standard construction is anticipated, a variance request must be submitted in accordance with Rule 18 and approved prior to well construction.
- 10) A Well Construction and Test Report (Form GWS-31), including lithologic log must be submitted by the individual authorized to construct the well. For non-standard construction, the report must include an as-built drawing showing details such as depth, casing, perforated zones, and a description of the grouting type and interval.
- 11) This well shall be constructed not more than 200 feet from the location specified on this permit.

APPROVED

Receipt No. 0490556B

SMJ

State Engineer

MAY 3 1 2002

COLORADO DIVISION OF WATER RESOURCES	Office Use Only	orm GWS-46 (1/2001)
DEPARTMENT OF NATURAL RESOURCES 1313 SHERMAN ST., RM 818, DENVER, CO 80203 phone – info: (303) 866-3587 main; (303) 866-3581	APR 1 6 2002	
fax: (303) 866-3589 http://www.water.state.co.us		
MONITORING/OBSERVATION	WATER RESOURCES STATE ENGINEER COLO.	
Water Well Permit Application	COLO.	
Review instructions on reverse side prior to completing form.		
The form must be completed in black ink.	C Hee Of Well	
1. Well Owner Information Name of well owner	6. Use Of Well	
Scheen Coal Company	Use of this well is limited to monitoring and/or water quality sampling	ı water levels
Malling address	7. Well Data (proposed)	
Box 610	Total depth Aquifer	616
City State Zip code	400 feet William	is dowk town
Hayden CO 81639	8. Consultant Information (if applicable)	
Telephone #	Name of contact person	
1910 A 16-5107		
Type Of Application (check applicable boxes)	Company name	
Use existing well Replacement for existing monitoring well:		
□ Construct new well Permit no.: <u>639367~ M</u>	Mailing address	
3. Refer To (if applicable)	City State Zig	Code
Monitoring hole acknowledgment Well name or #	State 24	Code
mh = YW CU33	Telephone #	
4. Location Of Proposed Well	()	
County	9. Proposed Well Driller License #(option	
Routt NW 1/4 of the DE	10. Signature Of Well Owner, Consultar	t Or Authorized
Section Township NorS Range EorW Principal Meridian	Agent The making of false statements herein constitutes pe	erjury in the second
Distance of well from section lines (section lines are typically not property lines)	degree, which is punishable as a class 1 misdemear 24-4-104 (13)(a). I have read the statements herein.	or pursuant to C.R.S.
201/0	thereof and state that they are true to my knowledge	
Ft. from X N S 800 Ft. from E E W	Sign here (Must be original signature)	Date
_	hemed Jones	4-10-02
2 800 feet how thwest direction well location address (if applicable)	Print name & title	, T
	Dennis Jones - Hydr	luprist _
Optional: GPS well location information in UTM format	Office Use Only	V
Required settings for GPS units are as follows:	USGS map name DWR map no.	Surface elev.
Zone must be13 Northing	WE Receipt area only	
Units must be Meters		
Datum must be NAD27 (CONUS)		
Unit must be set to true north Easting	-	
Were points averaged? YES NO		
5. Property Owner Information		
Name of property owner	Invoice # 490556 - A	
Same as well owner	4/16/92 10:26:05	am
Mailing address	Cashier ID: 04 \$ 48.00	
		···
City State Zip Code	Check Purchase- #8092	
	, i	
Telephone #	DIV 6 WD 57 B	

Form No.

OFFICE OF THE STATE ENGINEER COLORADO DIVISION OF WATER RESOURCES 818 Centennial Bidg., 1313 Sherman St., Denver, Colorado 80203

(303) 866-3581

SENECA COAL COMPANY

AUTH

WELL PERMIT NUMBER

241425

DIV. 6

WD 57

DES. BASIN

MD

APPLICANT

APPROVED WELL LOCATION

ROUTT COUNTY

NW 1/4 SE 1/4 Section 19 Township 5 N Range 87 W Sixth P.M.

DISTANCES FROM SECTION LINES

2960 Ft. from North

Section Line

1800 Ft. from East

UTM COORDINATES

Section Line

(970) 276-5109

BOX 670

Northing:

Easting:

PERMIT TO CONSTRUCT A WELL

HAYDEN, CO 81639-

ISSUANCE OF THIS PERMIT DOES NOT CONFER A WATER RIGHT **CONDITIONS OF APPROVAL**

- This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of this permit 1) does not assure the applicant that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.
- The construction of this well shall be in compliance with the Water Well Construction Rules 2 CCR 402-2, unless approval of a variance has been granted by the State Board of Examiners of Water Well Construction and Pump Installation Contractors in accordance with Rule 18.
- Approved pursuant to CRS 37-92-602(3)(b)(I) for uses as described in CRS 37-92-602(1)(f). Use of this well is limited to monitoring water levels and/or water quality sampling. This well is known as YWCU33.
- Approved for the relocation of an existing well, permit no. 39367-M. The old well drilled under permit no. 39367-M must be plugged in accordance with Rule 16 of the Water Well Construction Rules within ninety (90) days of completion of the new well. The enclosed Well Abandonment Report form must be completed and submitted to affirm that the old well was plugged.
- This well must be equipped with a locking cap or seal to prevent well contamination or possible hazards as an open well. The well must be kept capped and locked at all times except during sampling or measuring.
- Records of water level measurements and water quality analyses shall be maintained by the well owner and submitted to the Division of Water Resources upon request.
- Upon conclusion of the monitoring program the well owner shall plug this well in accordance with Rule 16 of the Water Well Construction Rules. A Well Abandonment Report must be completed and submitted to the Division of Water Resources within 60 days of plugging.
- The owner shall mark the well in a conspicuous place with well permit number(s) and name of aguifer as appropriate, and shall take necessary means and precautions to preserve these markings.
- This well must be constructed by or under the supervision of a licensed well driller or other authorized individual according to the Water Well Construction Rules. If non-standard construction is anticipated, a variance request must be submitted in accordance with Rule 18 and approved prior to well construction.
- 10) A Well Construction and Test Report (Form GWS-31), including lithologic log must be submitted by the individual authorized to construct the well. For non-standard construction, the report must include an as-built drawing showing details such as depth, casing, perforated zones, and a description of the grouting type and interval.
- 11) This well shall be constructed not more than 200 feet from the location specified on this permit.

APPROVED

Receipt No. 0490556A

SMJ

State Engineer

MAY 3 1 2002

GW:	RM NO. STATE OF COLORADO (S-11: OFFICE OF THE STATE ENGINEER	For Office Use only
07/9	818 Centennial Bidg., 1313 Sherman St., Denver, Colo. (303) 866-3581	RECEIVED
Pi	RIOR TO COMPLETING FORM, SEE INSTRUCTIONS ON R	REVERSE SIDE MAY 12 1995
	CHANGE IN OWNERSHIP/ADDRESS	/ LOCATION "
	WELL PERMIT, LIVESTOCK TANK OR EROSION CONTR	WATER RESOURCES ROL DAM STATE ENGINEER COLO.
1.	NEW OWNER	
	NAME(S) Seneca Coal Company	
	Mailing Address PO Drawer D. 36600 Routt Cou	· · · · · · · · · · · · · · · · · · ·
	City, St. Zip Hayden, CO 81639 Phone (970) 276-3707	JUL 3 1 '95
		WATER RESOURCES STATE ENGINEER
2.	THIS CHANGE IS FOR ONE OF THE FOLLOWING:	coro
	WELL PERMIT NUMBER	1
	LIVESTOCK WATER TANK NUMBER	
	EROSION CONTROL DAM NUMBER	
3.	WELL LOCATION: COUNTY ROUTT	OWNER'S WELL DESIGNATION YWU30
	(Address)	(City) (State) (Zip)
	SW 1/4 of the NE 1/4, Sec. 19 Twp. 5	X N. or S., Range 87 E. or X W. 6 P.M.
		N. or S. Line, Ft. from E. or W. Line.
		Lot Block Filing (Unit)
H	LIVESTOCK TANK OR EROSION CONTROL DAM LOCAT	
4.		s., Range E. or w P.M.
5.	The above listed owner(s) say(s) that he (they) own the s	
3.	The existing record is being amended for the following real	
		In mailing address. Correction of location.
Ļ	L (un) have and the statements made herein know the co	contents thereof and state that they are true
6.	to my (our) knowledge.	·
	[Pursuant to Section 24-4-104 (13)(a) C.R.S., the making the second degree and is punishable as a class 1 misde	
	Name/Title (Please type or print) Sign	nature Date
	H. Theodore Smith Senior Hydrologist	N. Theodore Smith 5/8/95
-		FFICE USE ONLY
i	ACCEPTED AS A CHANGE IN O AND/OR MAILING ADDRESS.	OWNERSHIP
	, 0	
	Hal D. Simper	AUG 0 9 1995
	State Engineer By	Date
		Two St Basin MD Use

. .

INSTRUCTIONS CHANGE OWNERSHIP-ADDRESS LOCATION CORRECTION FORM JULY 1993 IN NO FEE IS REQUIRED

The form must be typewritten or printed in BLACK INK. Initial and date any changes you make on the form.

THIS FORM MAY BE REPRODUCED BY PHOTOCOPYING OR WORD PROCESSING MEANS.
INCOMPLETE FORMS WILL BE RETURNED. ATTACH ADDITIONAL SHEETS IF MORE SPACE IS NEEDED.

- 1. Print the new owner's name and include the mailing address and phone number.
- 2. Indicate if the change in ownership/address is for a well permit, livestock water tank or erosion control dam. Be sure to include the proper permit, tank or dam number.
- Complete the well location information. If the address of the well location is different than the mailing address of the owner, include the address where the well is located. If the owner has more than one well, provide well name or number as designated by the owner; i.e. North Well. The actual well location must include 1/4, 1/4, Section, Township and Range. Check the appropriate boxes for North or South and East or West directions. Complete the Subdivision, Lot, Block and Filing information, if applicable.
- 4. Complete the location information for the livestock water tank or erosion control dam. The actual location must include 1/4, Section, Township, Range and P.M. Check the appropriate boxes for North or South and East or West directions.
- 5. Check the reason(s) for submitting the form, whether it is a change in ownership/address and/or location correction.
- 6. The owner of the structure must sign. Print or type your name in the first block if it is different from item No. 1. If signing as a representative of a company who owns the structure, then your title must also be included in the first block. Sign the second block and date the last block.

USE THIS FORM TO CORRECT THE LOCATION OF YOUR WELL IF:

- A. Your well was permitted, registered, or first used prior to May 8, 1972 for ordinary household purposes in up to three single-family dwellings, fire protection, the watering of poultry, domestic animals, and livestock on farms and ranches and the irrigation of not over one acre of home gardens and lawns.
- B. Your well is not of the type described in A above, but was permitted or registered prior to May 17, 1965. Inside the Designated Ground Water Basins, other procedures and publication may be required.
- C. Your well was decreed by the Water Court for the correct location.

IN ALL OTHER CASES USE FORM GWS-42

All other types of changes concerning Livestock Water Tanks and Erosion Control Dams should be submitted on the standard Permit Application form and be accompanied by a \$15.00 filing fee.

If you have questions, contact the Denver or the Division Office where your well is located.

DIVISION 1 800 8th Ave Rm 321 Greeley CO 80631 (303) 352-8712

DIVISION 5 Box 396 50633 US Hwy 6 & 24 Glnwd Spgs CO 81601 (303) 945-5665

DIVISION 2 Box 5728 219 W 5th Rm 223 Pueblo CO 81003 (719) 542-3368

DIVISION 6 Box 773450 625 So. Lincoln Ave Stmbt Spgs CO 80477 (303) 879-0272

DMSION 3 Box 269 422 4th St Alamosa CO 81101 (719) 589-6683

DIVISION 7 Box 1880 1474 Main St Durango CO 81302 (303) 247-1845 **DIVISION 4** Box 456 1540 E Niagara Montrose CO 81402 (303) 249-6622

DENVER OFFICE Rm 821 1313 Sherman St Denver CO 80203 (303) 866-3581

	STATE OF COLORADO OFFICE OF THE STATE ENGINE		For C	Office Use only
10/89	518 Centennial Bidg., 1313 Sherman St. Den (303) 868-3581			
-	FOR INSTRUCTIONS, SEE REVERSE S	SIDE		
	STATEMENT OF BENE	EFICIAL USE	RECEIVE	
	WELL PERMIT NUMBER_	039860-M		92
1.	WELL OWNER		_===	310CES
	NAME(S) Peabody Coal Company		WATER RESIL	
	Mailing Address 1300 South Yale City, St. Zip Flagstaff, AZ 86001			
	Phone (602) 774-5253			
2	WELL LOCATION: COUNTY Routt Same as above	OWNER'S	WELL DESIGNATION _	YWU30
	(Address)	(City	·	· · · · · · · · · · · · · · · · · ·
	Sw 1/4 of the NE 1/4, Sec. 19 Twp.	5 🗆 N. 🕳 🗆 S.,	, Range <u>.87</u> E.	LXLW6_P.M.
	Distances from Section Lines 2380 Ft.	from X N. or S. Line	, 1800 Ft. from	X E. or W. Line.
3.	The well is being used for the following purpose levels and quality.			
4.	Water from the well was first used beneficial	ly for the above purpose(s) on	July 26 ₁₉ 90
5.	The pumping rate claimed is < 1	gallons per minute.		
6	The average annual amount of water diverte	N/A		
1 - 1	THE SACISME STRICTS STRONG OF MOTER CHANGE	NO 88 1V/A 2ICI	re regt.	
7.	The land area irrigated (watered) by water fi		/A Acres or	Square feet,
7.	The land area irrigated (watered) by water fi	rom this well is: N	/A Acres or	Square feet,
7.	The land area irrigated (watered) by water fi	rom this well is:	/A Acres or	Square feet,
7.	The land area irrigated (watered) by water for described as:	rom this well is: N (Number (Legal Description) Subdivision Lot(s)	/A Acres or	
7.	The land area irrigated (watered) by water for described as:	rom this well is: N (Number (Legal Description) Subdivision Lot(s)	/A Acres or	ng/Unit
7.	The land area irrigated (watered) by water for described as: or as Well drilled by: Sharpe Drilling Comp	rom this well is: N (Number (Legal Description) Subdivision Lot(s)	/A Acres or	ng/Unit Lic. No:1223 Lic. No:
7.	The land area irrigated (watered) by water for described as: or as Well drilled by: Sharpe Drilling Comp. Pump installed by: N/A Meter Mfg. by N/A S I (we) have read the statements made herein knowledge. [Pursuant to Section 24-4-104 (rom this well is: (Number (Number) (Subdivision Lot(s) Dany Serial No.: n, know the contents there (13)(a) C.R.S., the making	/A Acres or Block Filli Date Installe	ng/Unit Lic. No: Lic. No: ad: are true to my (our)
7.	The land area irrigated (watered) by water for described as: or as	rom this well is: (Number (Number) (Subdivision Lot(s) Dany Serial No.: n, know the contents there (13)(a) C.R.S., the making	Acres or Block Fill Date Installe eof, and state that they of false statements here	ng/Unit
7. 8.	The land area irrigated (watered) by water for described as: or as Well drilled by: Sharpe Drilling Comp Pump installed by: N/A Meter Mfg. by N/A I (we) have read the statements made herein knowledge. [Pursuant to Section 24-4-104 (in the second degree and is punishable as Name/Title (Person type or print) H. Theodore Smith Senior Hydrologist	Class 1 misdemeanor.]	Acres or Block Fill Date Installe eof, and state that they of false statements here	ng/Unit Lic. No: Lic. No: ed: are true to my (our) ein constitutes perjury
7. 8.	The land area irrigated (watered) by water for described as: or as Well drilled by: Sharpe Drilling Comp Pump installed by: N/A Meter Mfg. by N/A I (we) have read the statements made herein knowledge. [Pursuant to Section 24-4-104 (in the second degree and is punishable as Name/Title (Person type or print) H. Theodore Smith Senior Hydrologist	rom this well is: (Number (Nu	Acres or Block Fill Date Installe eof, and state that they of false statements here	ng/Unit Lic. No: Lic. No: ed: are true to my (our) ein constitutes perjury

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INSTRUCTIONS FOR THE COMPLETION OF STATEMENT OF BENEFICIAL USE

IMPORTANT INFORMATION: IF THE PERMIT WAS APPROVED PURSUANT TO C.R.S. 37-90-137(2) OR 37-90-105, THEN THE STATEMENT OF BENEFICIAL USE MUST BE RECEIVED BY THE STATE ENGINEER PRIOR TO THE EXPIRATION OF THE PERMIT. IF THE PERMIT WAS APPROVED PURSUANT TO C.R.S. 37-90-107, THE STATEMENT OF BENEFICIAL USE MUST BE RECEIVED WITHIN THREE YEARS FROM THE DATE THE PERMIT WAS ISSUED.

NOTE: IF THE PERMIT WAS APPROVED PURSUANT TO C.R.S. 37-90-137(4), THEN YOU MUST USE FORM NO. GWS-18 "NOTICE OF WELL COMPLETION" AND FORM NO. GWS-19 "NOTICE OF COMMENCEMENT OF BENEFICIAL USE".

The Statement must be typewritten or printed in <u>BLACK INK</u> Initial and date any changes you make on the form. INCOMPLETE FORMS ARE NOT ACCEPTABLE AND WILL BE RETURNED. ATTACH ADDITIONAL SHEETS IF MORE SPACE IS NEEDED.

NO FEE IS REQUIRED IF THE STATEMENT IS SUBMITTED TIMELY. IF NOT SUBMITTED TIMELY, A FEE MAY BE REQUIRED.

The Well Permit Number must be indicated in the space provided at the top of the form. Item Number

- Print the well owner's name and include the mailing address and phone number.
- If the well location is different than the mailing address of the owner, include the address where the well is located. If the owner has more than one well, provide well name or number as designated by the owner: i.e. North Well. The actual well location must include 1/4, 1/4, Range, Township, Section and distances from Section lines. Mark the appropriate boxes for North or South and East or West directions.
- 3. Describe the use(s) to which the water has actually been applied. Permitted uses are described in the conditions of approval of the permit.
- Enter the date of first beneficial use. This is the date water from the well was first used beneficially for the purposes described in item 3 under the permit number indicated. The date claimed cannot predate the issuance of the permit. It is not the date the form is completed, nor is it the date the well was test pumped.
- 5. Enter the pumping rate claimed. The rate cannot exceed the permitted maximum rate or the actual pumping rate in gallons per minute, whichever is less: 449 gallons per minute is equivalent to one cubic foot of water per second.
- Enter the annual amount of water diverted in acre feet. The amount claimed cannot exceed the physical 6. capacity of the well or the permitted amount as limited by any conditions of approval. One acre foot is equivalent to 325,900 gallons. An ordinary home with lawn and garden irrigation diverts an average of less than one acre foot. Average in house use which does not include lawn and garden imigation (watering) diverts 1/3 acre foot.
- Report the area imigated either as acres or square feet by filling in the correct number and checking the 7. appropriate box. You must describe the specific area intigated using either the legal description of that land or by referencing the Subdivision, Lot, Block and Filing or Unit number. Lawn and garden watering is considered irrigation. If the well is not used for irrigation, place a zero in the acres/square feet irrigated blank. One acre is equivalent to 43,560 square feet. One acre foot is equivalent to 43,560 cubic feet of water.
- 8. Indicate the Well Construction and Pump Installation Contractors and their Licensia Numbers. If you did the work yourself, so indicate. You must submit work reports if you constructed the well and/or installed the pump.
- 9. If a totalizing flow meter is required as a condition of the permit, indicate the meter manufacturer name, it's serial number and the date of installation.
- 10. The well owner must sign the Statement. Print or type your name in the first block if it is different from Item No. 1. If signing as a representative of a company who owns the well, then your title must also be included in the first block. Sign the second block and date the last block.

If you have questions, contact the Denver Office or the Division Office where your well is located.

DIVISION 1 209 ARIX BUILDING 800 8TH AVE. GREELEY, CO 80631 (303) 352-8712

DIVISION 5 1429 GRAND AVENUE GLNWD SPGS, CO. 81601 (303) 945-5665

DIMISION 2 219 W. 5TH RM. 223 PUEBLO, CO. 81003 (719) 542-3368

DIVISION 6 320 LINCOLN AVE. STE. E STMBT SPGS., CO. 80477 (303) 879-0272

DIVISION 3 422 4TH ST. ALAMOSA, CO 81101 (719) 589-6683

DIVISION 4 308 S. FIRST ST. MONTROSE, CO. 81402 (303) 249-6622

DIVISION 7 1474 MAIN ST. DURANGO, CO. 81302 1313 SHERMAN ST. (303) 247-1845

DENVER OFFICE RM. 823 DENVER, CO. 80203 (303) 866-3581

Form No. GWS-25

OFFICE OF THE STATE ENGINEER COLORADO DIVISION OF WATER RESOURCES

818 Centennial Bidg., 1313 Sherman St., Denver, Colorado 80203 (303) 886-3581

1223

APPLICANT

WELL PERMIT NUMBER	039860 M
DIV. 6 CNTY. 54 WD	57 DES. BASIN MD

1800

Lot: Block: Filing: Subdiv:

APPROVED WELL LOCATION

Ft. from

DISTANCES FROM SECTION LINES

2380 Ft. from North Section

East Section Line

(602) 774-5253

FLAGSTAFF, AZ

PEABODY COAL CO

1300 S YALE

PERMIT TO CONSTRUCT MONITORING WELL YWU30 (MH-16463)

86001

ISSUANCE OF THIS PERMIT DOES NOT CONFER A WATER RIGHT

CONDITIONS OF APPROVAL

- 1) This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of the permit does not assure the applicant that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.
- 2) The construction of this well shall be in compliance with the Water Well Construction and Pump Installation Rules 2 CCR 402-2, unless approval of a variance has been granted by the State Board of Examiners of Water Well Construction and Pump Installation Contractors in accordance with Rule 17.
- Approved pursuant to CRS 37-90-137(2) to satisfy the permit requirements of CRS 37-90-138(3). Use of this well
 is limited to monitoring water levels and/or water quality sampling.
- 4) This well must be equipped with a locking cap or seal to prevent well contamination or possible hazards as an open well. The well must be kept locked at all times except during sampling or measuring.
- 5) Records of water level measurements and water quality analyses shall be maintained by the well owner and submitted to the Division of Water Resources upon request.
- 6) Upon conclusion of the monitoring program the well owner shall plug and abandon this well in accordance with the Water Well Construction and Pump Installation Rules.
- 7) The owner shall mark the well in a conspicuous place with well permit number and name of aquifer as appropriate. He shall take necessary means and precautions to preserve these markings.
- 8) This well must be constructed by or under the supervision of a licensed well driller or other authorized individual according to the Water Well Construction and Pump Installation Rules.
- 9) A well completion report including lithologic log must be submitted by the individual authorized to construct the well. For non-standard construction the report must include an as built drawing showing details; such as depth, casing, perforated zones, and a description of the grouting type and interval.
- 10) This well shall be constructed not more than 200 feet from the location specified on this permit.
- 11) Issuance of this permit cancels Permit No. 039379-M.

APRICOVED:

a. Danielson

SEP 18 1991

BY SEP

SEP 1 8 1992

Receipt No.

DATE ISSUED_

11.1 11.2

COLORADO DIVISION OF WATER RESOURCES 818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203

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PERMIT APPLICATION FORM

Application must be complete where applicable. Type or print in BLACK INK. No overstrikes or erasures unless initialed.

() A PERMIT TO USE GROUND WATER (X) A PERMIT TO CONSTRUCT A WELL FOR: () A PERMIT TO INSTALL A PUMP

) REPLACEMENT FOR NO. _

AUS 12'91

IVATER NEW LIRCES STATE ENGINEER COLO.

WATER COURT	CASE NO
(1) APPLICANT - mailing address	FOR OFFICE USE ONLY: DO NOT WRITE IN THIS COLUMN
NAME Peabody Coal Company	Receipt No. 3290,2381 St. Basin Dist. CONDITIONS OF APPROVAL
STREET 1300 South Yale	Basin Dist
CITY Flagstaff AZ 86001	ÇONDITIONS OF APPROVAL
(State) (Zip) 602-774-5253 TELEPHONE NO.	This well shall be used in such a way as to cause
	no material injury to existing water rights. The
(2) LOCATION OF PROPOSED WELL Routt	issuance of the permit does not assure the applicant that no injury will occur to another vested water right or preclude another owner of a vested water
County NE NE 19	right from seeking relief in a civil court action.
Twp, 5 N, Rng. 87 W 6th P.M.	
(3) WATER USE AND WELL DATA	
Proposed maximum pumping rate (gpm) < 1 gpm	·
Average annual amount of ground water to be appropriated (acre-feet):	
Number of acres to be irrigated:	
Proposed total depth (feet):	
Aquifer ground water is to be obtained from: Wadge Underburden (Williams Fork Fm)	
Owner's well designation	
GROUND WATER TO BE USED FOR:	
() HOUSEHOLD USE ONLY · no irrigation (0) () DOMESTIC (1) () INDUSTRIAL (5) () LIVESTOCK (2) () IRRIGATION (6) () COMMERCIAL (4) () MUNICIPAL (8) monitoring levels and quality	
DETAIL THE USE ON BACK IN (11)	APPLICATION APPROVED
	PERMIT NUMBER
(4) DRILLER	DATE ISSUED
NameSharpe Drilling Company	EXPIRATION DATE
Street P.O. Box 710	
City Trinidad, CO 81082	(STATE ENGINEER)
719-846-2584 (State) (Zip) Telephone No Lic. No. 1223	BY
rerepriorite IVO Lic. IVO	/_ CU_C1

CONDITIONS OF APPROVAL

APPLICATION APPROVED

LE LIM	I MOMBE	
DATE	ISSUED	
EXPIR	ATION DA	TE
DV.		(STATE ENGINEER)
	6	54-57

(5) THE LOCATION OF THE PROPOSED WELL and the area on which the water will be used must be indicated on the diagram below. Use the CENTER SECTION (1 section, 640 acres) for the well location.	(6) THE WELL MUST BE LOCATED BELOW by distances from section lines.
+-+-+-+-+-+-+	ft. fromNsec. line
41 MILE, 5280 FEET>	1800 ft. from E sec. line
+ + + + + + + + +	
	LOTBLOCKFILING #
+ - + - + NORTH SECTION LINE - + - +	SUBDIVISION
NORTH	(7) TRACT ON WHICH WELL WILL BE LOCATED Owner: N/A
+ + - + - + - + - + - + - + - + - + - +	No, of acres
+ + 19 × SECTION + - +	(8) PROPOSED CASING PROGRAM Plain Casing
+ - + - + - + + +	
	ft. toft. Perforated casing
SOUTH SECTION LINE	4 in, from 217 ft. to 261 ft.
	in. from ft. to ft.
· · · · · · · · · · · · · · · · · · ·	(9) <u>FOR REPLACEMENT WELLS</u> give distance and direction from old well and plans for plugging it:
The scale of the diagram is 2 inches = 1 mile Each small square represents 40 acres.	
WATER EQUIVALENTS TABLE (Rounded Figures) An acre-foot covers 1 acre of land 1 foot deep 1 cubic foot per second (cfs) 449 gallons per minute (gpm) A family of 5 will require approximately 1 acre-foot of water per year, 1 acre-foot 43,560 cubic feet 325,900 gallons, 1,000 gpm pumped continuously for one day produces 4,42 acre-feet.	
(10) LAND ON WHICH GROUND WATER WILL BE USED:	
Owner(s): N/A	No. of acres:
Legal description:	
(11) <u>DETAILED DESCRIPTION</u> of the use of ground water: Household use and domestic wells must indicate type of disposal system to be used. <u>Used for monitoring of mining impacts to groundwater levels and water quality.</u>	
(12) OTHER WATER RIGHTS used on this land, including wells. Given	ve Registration and Water Court Case Numbers.
Type or right Used for (purpose)	Description of land on which used
(13) THE APPLICANT (S) STATE (S) THAT THE INFORMATION SET FORTH HEREON IS TRUE TO THE BEST OF HIS KNOWLEDGE.	
N. Therdore Imit Senior Hydrologist	