

TABLE 2.5-2A

WELL MONITORING LOCATIONS
SOUTH HEART LIGNITE MINE

Well Identification	Type	State Plane Easting (ft)	State Plane Northing (ft)	Ground Surface Elevation (ft amsl)	Measuring Point Elevation (ft amsl)	Township	Range	Section	QtrQtrQtr	Hydrostratigraphic Unit Screened
SHMW-01A	Monitoring Well	1364195.31	447703.43	2487.95	2490.61	139N	98W	9	DAD	alluvium
SHMW-01S	Monitoring Well	1364200.02	447701.31	2487.83	2490.81	139N	98W	9	DAD	D Coal
SHMW-02C	Monitoring Well	1353960.59	446330.16	2559.93	2562.12	139N	98W	17	BBB	D Coal
SHMW-03C	Monitoring Well	1369619.50	445913.27	2501.08	2503.34	139N	98W	15	AAA	D Coal
SHMW-03D	Monitoring Well	1369603.27	445929.71	2500.82	2503.76	139N	98W	15	AAA	underburden
SHMW-03HTB	Monitoring Well	1369634.94	445863.55	2503.86	2507.03	139N	98W	15	AAA	HT Butte
SHMW-03S	Monitoring Well	1369585.19	445929.92	2500.42	2503.52	139N	98W	15	AAA	overburden
SHMW-04C	Monitoring Well	1366819.67	443827.33	2543.19	2545.52	139N	98W	15	BDD	D Coal
SHMW-04D	Monitoring Well	1366818.22	443811.46	2543.77	2546.53	139N	98W	15	BDD	underburden
SHMW-05C	Monitoring Well	1353781.84	441225.50	2638.86	2641.68	139N	98W	17	CCC	D Coal
SHMW-05D	Monitoring Well	1353789.15	441205.92	2638.56	2640.95	139N	98W	17	CCC	underburden
SHMW-05S	Monitoring Well	1353774.77	441213.07	2638.88	2641.73	139N	98W	17	CCC	overburden
SHMW-06C	Monitoring Well	1364183.00	438866.18	2550.01	2552.26	139N	98W	21	ADA	D Coal
SHMW-06D	Monitoring Well	1364183.62	438876.50	2549.89	2552.23	139N	98W	21	ADA	underburden
SHMW-07C	Monitoring Well	1375266.39	437911.76	2507.03	2509.99	139N	98W	24	BCC	D Coal
SHMW-07D	Monitoring Well	1375290.13	437912.27	2507.06	2510.13	139N	98W	24	BCC	underburden
SHMW-08C	Monitoring Well	1358948.97	437809.08	2609.26	2612.18	139N	98W	21	CBB	D Coal
SHMW-08D	Monitoring Well	1358944.39	437790.53	2608.88	2611.22	139N	98W	21	CBB	underburden
SHMW-08HTB	Monitoring Well	1358946.50	437741.02	2607.65	2610.14	139N	98W	21	CBB	HT Butte
SHMW-08S	Monitoring Well	1358944.95	437773.12	2608.28	2611.10	139N	98W	21	CBB	overburden
SHMW-09A1	Monitoring Well	1370979.92	438175.05	2501.63	2504.34	139N	98W	23	BDC	alluvium
SHMW-09A2	Monitoring Well	1370976.58	438179.02	2501.76	2504.19	139N	98W	23	BDC	alluvium
SHMW-09S	Monitoring Well	1370973.55	438181.98	2501.84	2504.56	139N	98W	23	BDC	overburden
SHMW-10C	Monitoring Well	1370596.94	436711.12	2501.63	2504.40	139N	98W	23	CBD	D Coal
SHMW-10D1	Monitoring Well	1370597.67	436763.26	2502.07	2504.85	139N	98W	23	CBD	HT Butte
SHMW-10D2	Monitoring Well	1370596.37	436730.16	2501.93	2504.71	139N	98W	23	CBD	underburden
SHMW-11A1	Monitoring Well	1362250.22	434144.68	2518.15	2520.61	139N	98W	28	ACA	alluvium
SHMW-11A2	Monitoring Well	1362247.18	434139.44	2518.15	2520.33	139N	98W	28	ACA	alluvium
SHMW-11S	Monitoring Well	1362244.55	434134.82	2518.25	2520.45	139N	98W	28	ACA	D Coal

TABLE 2.5-2A

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Well Identification	Type	State Plane Easting (ft)	State Plane Northing (ft)	Ground Surface Elevation (ft amsl)	Measuring Point Elevation (ft amsl)	Township	Range	Section	QtrQtrQtr	Hydrostratigraphic Unit Screened
SHMW-12C	Monitoring Well	1369165.42	432035.65	2559.21	2562.08	139N	98W	27	DAD	D Coal
SHMW-12D	Monitoring Well	1369166.39	432061.69	2558.61	2561.40	139N	98W	27	DAD	underburden
SHMW-13C	Monitoring Well	1364905.54	425008.97	2567.81	2570.09	139N	98W	34	CCD	D Coal
SHMW-13S	Monitoring Well	1364890.84	425006.19	2567.95	2570.75	139N	98W	34	CCD	overburden
SHMW-14A1	Monitoring Well	1365965.04	433181.74	2514.12	2516.77	139N	98W	27	BDC	alluvium
SHMW-14A2	Monitoring Well	1365967.47	433184.74	2514.40	2516.90	139N	98W	27	BDC	alluvium
SHMW-14S	Monitoring Well	1365969.88	433187.95	2514.62	2517.13	139N	98W	27	BDC	overburden
SHMW-15A1	Monitoring Well	1376139.34	448524.13	2461.84	2464.34	139N	98W	12	BCD	alluvium
SHMW-15A2	Monitoring Well	1376138.03	448528.31	2461.98	2464.28	139N	98W	12	BCD	overburden
SHMW-15S	Monitoring Well	1376136.54	448532.27	2461.66	2464.39	139N	98W	12	BCD	overburden
SHO-01	Observation Well	1353960.59	443595.83	2644.03	2646.00	139N	98W	17	CBB	underburden
SHO-02	Observation Well	1353949.18	443595.31	2644.22	2645.93	139N	98W	17	CBB	D Coal
SHO-03	Observation Well	1353937.63	443594.72	2644.07	2646.10	139N	98W	17	CBB	undif. coal
SHO-04	Observation Well	1374764.38	440416.68	2487.10	2488.54	139N	98W	23	AAA	HT Butte
SHO-05	Observation Well	1374765.48	440428.64	2487.45	2489.21	139N	98W	23	AAA	D Coal

Notes:

- Coordinates are in StatePlane, North Dakota South, NAD27, feet (ft).
- Measuring point elevation is top of the well casing.
- Elevations are reported in feet above mean sea level (ft amsl)
- undif. coal indicates undifferentiated coal
- Observation Wells only used to measure water levels; Monitoring Wells used to measure water levels and collect water quality samples
- QtrQtrQtr indicates quarter, quarter, quarter
- N indicates north
- W indicates west