

**MONUMENT 1**  
X = 1,543,360.03  
Y = 477,207.19

Monument No. 1 NAD 83  
Northing 477,303.43 Easting 1,511,936.61

**Table 7.5**  
Mine Workings and Waste Disposal Sites

Map Key	Mine Name	Operator	Permit #	Date Issued (MM/DD/YY)	Status	Coal Seams	Water Sample(s)
S1	MAINE COAL	ATKINS	3547808	05/21/93	ABANDONED	MAHONING	13
S2	BLAND	ATKINS	3547808	05/21/93	ABANDONED	MAHONING	MD-14
S3	SMITH #3	THOMAS J. SMITH, INC.	0303101	09/09/92	COMPLETED	UF, LF	NONE
S4	SMITH #9	THOMAS J. SMITH, INC.	0303104	11/02/94	COMPLETED	FILE	SANDY/SHEL
S5	SMITH #11	SEVEN SISTERS MINING CO., INC.	0303101	09/09/92	RECLAIMED	PITTSBURGH	NONE
S6	SMITH #12	UNKNOWN	UNKNOWN	UNKNOWN	RECLAIMED	UF	NONE
S7	SMITH #13	UNKNOWN	UNKNOWN	UNKNOWN	RECLAIMED	UF	NONE
S8	SMITH #14	EAST BRANCH EQUIPMENT	3874514	09/23/94	RECLAIMED	UF	NONE
S9	SMITH #15	J. MERLE SMITH	3874514	09/23/94	ABANDONED	MAHONING	MD-14
S10	SMITH #16	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S11	SMITH #17	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S12	SMITH #18	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S13	SMITH #19	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S14	SMITH #20	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S15	SMITH #21	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S16	SMITH #22	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S17	SMITH #23	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S18	SMITH #24	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S19	SMITH #25	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S20	SMITH #26	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S21	SMITH #27	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S22	SMITH #28	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S23	SMITH #29	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S24	SMITH #30	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S25	SMITH #31	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S26	SMITH #32	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S27	SMITH #33	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S28	SMITH #34	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S29	SMITH #35	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S30	SMITH #36	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S31	SMITH #37	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S32	SMITH #38	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S33	SMITH #39	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S34	SMITH #40	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S35	SMITH #41	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S36	SMITH #42	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S37	SMITH #43	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S38	SMITH #44	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S39	SMITH #45	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S40	SMITH #46	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S41	SMITH #47	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S42	SMITH #48	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S43	SMITH #49	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S44	SMITH #50	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S45	SMITH #51	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S46	SMITH #52	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S47	SMITH #53	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S48	SMITH #54	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S49	SMITH #55	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S50	SMITH #56	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S51	SMITH #57	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S52	SMITH #58	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S53	SMITH #59	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S54	SMITH #60	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S55	SMITH #61	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S56	SMITH #62	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S57	SMITH #63	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S58	SMITH #64	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S59	SMITH #65	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S60	SMITH #66	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S61	SMITH #67	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S62	SMITH #68	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S63	SMITH #69	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S64	SMITH #70	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S65	SMITH #71	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S66	SMITH #72	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S67	SMITH #73	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S68	SMITH #74	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S69	SMITH #75	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S70	SMITH #76	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S71	SMITH #77	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S72	SMITH #78	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S73	SMITH #79	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S74	SMITH #80	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S75	SMITH #81	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S76	SMITH #82	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S77	SMITH #83	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S78	SMITH #84	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S79	SMITH #85	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S80	SMITH #86	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S81	SMITH #87	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S82	SMITH #88	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S83	SMITH #89	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S84	SMITH #90	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S85	SMITH #91	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S86	SMITH #92	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S87	SMITH #93	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S88	SMITH #94	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S89	SMITH #95	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S90	SMITH #96	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S91	SMITH #97	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S92	SMITH #98	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S93	SMITH #99	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE
S94	SMITH #100	WEST LEBANON COAL CO.	3874514	09/23/94	ABANDONED	PITTSBURGH	NONE

These are no known waste disposal sites within 1000 feet of the permit area.  
Solid Waste Disposal Sites  
These are no known waste disposal areas within 1000 feet of the permit area.

T.J.S. MINING, INC.  
TJS NO. 5 MINE MSHA ID 36-09159  
CMAP NO. 03031302  
**FINAL MAP**

This is the Final Map of the TJS No. 5 Mine. The CMAP Number is 03031302. The mine was active in the Upper Freeport coal seam. The mine opening is located in South Bend Township, Armstrong County.

Coal was first mined in the month of January, 2005 and the final seals were inspected on November 19, 2008.

The mine surveying was per standard accepted mine surveying methods and procedures. The mine survey system maintained a minimum Linear Error of Closure and associated precision of 1:5000. The final survey date is October 6, 2008.

I certify that to the best of my knowledge that this final map of the TJS No. 5 Mine is an accurate representation of the limits and workings of the TJS No. 5 Mine and indeed the true "FINAL MAP".

*James J. Szalankiewicz, PE, PLS*  
Date: 10/9/2009

*Thomas J. Smith, President*  
Date: 10/9/2009

T.J.S. MINING, INC.  
TJS NO. 5 MINE MSHA ID 36-09159  
CMAP NO. 03031302  
**FINAL MAP**

I certify that to the best of my knowledge that this final map of the TJS No. 5 Mine is an accurate representation of the limits and workings of the TJS No. 5 Mine and indeed the true "FINAL MAP".

**SHEET NO. A-1**

Projection Number: \_\_\_\_\_  
Mining Period: 11/25/07 TO 5/25/08  
Survey Date: \_\_\_\_\_

**Subsidence Map Legend**

Gas Well	(Symbol)	Six-Month Contemplated Mining	(Symbol)
Water Monitoring Point	(Symbol)	Permit Boundary	(Symbol)
Background Water Point	(Symbol)	Subsidence Boundary	(Symbol)
Drill Hole	(Symbol)	Coal Contour	(Symbol)
Occupied Structure	(Symbol)	100 Foot Cover Line	(Symbol)
Structure	(Symbol)	Limit of Surface Activity Site	(Symbol)
Adverse Tract	(Symbol)	Property Line	(Symbol)
1st Mining Only	(Symbol)	Perennial Stream	(Symbol)
Hydrologic Barrier	(Symbol)	Upper Freeport Cropline	(Symbol)
		Major Gas Line (1st Mining)	(Symbol)

Notes:  
Entry width will be 19 feet maximum except in the belt where it will be 20 feet.  
Surface and coal ownership are the same unless noted.  
The subsidence and permit boundary are common unless noted.

**FINAL MAP**  
10/02/08

**T.J.S. MINING, INC.**  
**TJS NO. 5 MINE**  
CMAP No. 03031302  
MSHA ID No. 36-09159  
UPPER FREEPORT COAL SEAM  
South Bend Twp., Armstrong Co.  
Armstrong & Young Twp. Indiana Co.  
Scale: 1" = 200'