



FAN DATA

BACK-UP MINE FAN	MAIN MINE FAN
MAKE: JEFFREY BRUATY	MAKE: JEFFREY BRUATY
MODEL: AEROSPACE FAN	MODEL: AEROSPACE FAN
SIZE: 72"	SIZE: 72"
TYPE: PERMANENT STOPPING	TYPE: PERMANENT STOPPING
SPEED: 728 RPM	SPEED: 728 RPM
WATER GAUGE: 0"	WATER GAUGE: 0"
AIR QUANTITY: 6 CFM	AIR QUANTITY: 624.88 CFM
AIR NAME: AS	AIR NAME: AS
BLADE SETTING: 98-25	BLADE SETTING: 98-25
MOTOR SPECIFICATIONS	MOTOR SPECIFICATIONS
MAKE: TOSHIBA	MAKE: TOSHIBA
MODEL: 2007W	MODEL: 2007W
SPEED: 890 RPM	SPEED: 890 RPM
VOLT TO: 4.188 VOLTS	VOLT TO: 4.188 VOLTS
AMP: 270 AMPS	AMP: 270 AMPS
FRAME: 400-128	FRAME: 400-128

MAP SYMBOL LEGEND

MINED OUT	VENTILATION CONTROLS	FIRE FIGHTING AND EVACUATION
COAL BLOCK PERIMETER	PERMANENT STOPPING	PRIMARY ESCAPEWAY
COAL PILLAR	STOPPING WITH MANDOOK	SECONDARY ESCAPEWAY
TEMPORARY STOPPING	STOPPING WITH MANDOOK	S.C.S.R. CACHE
TEMPORARY STOPPING WITH MD	AIRLOCK DOOR	REFUGE CHAMBER
REGULATOR	ESCAPEWAY DOOR	BELTS
PROJECTED REGULATOR	PROJECTED BOXCHECK	BELTLINE
PROJECTED BOXCHECK	PROJECTED OVERCAST	BELT TRANSFER POINT
PROJECTED UNDERCAST	PROJECTED LINE CURTAIN	FEEDER
PROJECTED MAINLINE SEAL	PROJECTED PERMANENT SEAL	CO MONITOR
VENTILATION ARROWS	PROJECTED EMERGENCY SEAL	LAND AND PROPERTY
INTAKE AIR	PROJECTED STOPPING WITH MANDOOK	PERMITTED AREA (SURFACE)
NEUTRAL (BELT) AIR	PROJECTED REGULATOR	SHADOW BOUNDARY (I.D.N.R.)
RETURN AIR	PROJECTED AIRLOCK DOOR	SHADOW BOUNDARY REV. 1
CONTROL POINT (SURFACE)	PROJECTED ESCAPEWAY DOOR	WATER POOLS (SURFACE)
CONTROL POINT (UNDERGROUND)	PROJECTED BOXCHECK	WATER POOLS (SURFACE)
CROSS CUT NUMBER	PROJECTED OVERCAST	PUBLIC ROADS
PERMANENT POINTS	PROJECTED UNDERCAST	MINESITE ROADS
Coordinate System: NAD 83 Illinois State Plane, West	PROJECTED LINE CURTAIN	SECTION LINES
15 Con. Monument: N 900.843.93, E 2.492.532.61	PERMANENT SEAL	QUARTER SECTION LINES
18 Con. Monument: N 901.208.63, E 2.495.132.67	PROPOSED EMERGENCY SEAL	QUARTER QUARTER SECTION LINES
32 Con. Monument: N 903.141.30, E 2.494.366.51	PROJECTED STOPPING WITH MANDOOK	SURFACE FACILITY STRUCTURES
STRIKE AND DIP	PROJECTED REGULATOR	HOUSES/BUILDINGS
S 17° 49' 31" E	PROJECTED AIRLOCK DOOR	TRAILERS
	PROJECTED BOXCHECK	SILOS
	PROJECTED OVERCAST	SEAM
	PROJECTED UNDERCAST	ROOF FALL
	PROJECTED LINE CURTAIN	ABANDONED MINE WORKINGS
	PROJECTED PERMANENT SEAL	SEALED AREAS
	PROJECTED STOPPING WITH MANDOOK	LW GOB
	PROJECTED REGULATOR	UNDERGROUND WATER SEAL
	PROJECTED AIRLOCK DOOR	BOTTOM ELEVATION CONTOURS
	PROJECTED BOXCHECK	DRILLHOLES PENETRATING SEAM
	PROJECTED OVERCAST	GAS OR OIL WELLS (PLUGGED)
	PROJECTED UNDERCAST	GAS OR OIL WELLS (ACTIVE)

PATTON MINING

DEER RUN MINE - END OF YEAR MAP

OPERATING CO.: PATTON MINING, LLC ADDRESS: P.O. BOX 467, HILLSBORO, IL 62449
 MINE LOCATION: N.W. 1/4 SECTION 18 TWP 08N RANGE 3W 3RD PRINCIPAL MERIDIAN
 COUNTY: MONROE DISTRICT: HILLSBORO DISTRICT POST OFFICE: HILLSBORO, ILLINOIS
 COAL SEAM MINED: HERON NO. 8 SEAM ILLINOIS DEPT. OF NATURAL RESOURCES PERMIT NO. 399
 MINE WORKINGS ABOVE OR BELOW SEAM: NONE
 RESPONSIBLE PERSON: MIKE CLINE, MINE SUPERINTENDENT

ENGINEERING CERTIFICATION

I, Clayton A. Cross, hereby certify that the information presented on this map is true and correct to the best of my knowledge and belief as determined by accepted engineering practices.

Clayton A. Cross 062-098488
 Professional Engineer (No. 048)
 Patton Mining, LLC (217) 556-0652
 Firm Name: Patton Mining, LLC
 Signature: _____ Date: _____

MINE OPENINGS

BLM#	CONVEYOR	CONVEYOR
062-098488	062-098488	062-098488
062-098488	062-098488	062-098488
062-098488	062-098488	062-098488

NOTE: THERE ARE NO KNOWN MINE WORKINGS UNDERLYING OR OVERLYING THE DEER RUN MINE WORKINGS.
 NOTE: THERE IS NO PROJECTED ROOM AND PILLAR MINING IN 2020 AT THIS TIME.

Scale: 1" = 400'