INCORPORATED
EFFECTIVE:
MAY 27 1998 9DC
UTAH DIVISION OIL, GAS AND MINING

I, BEING A REGISTERED PROFESSIONAL ENGINEER DO HEREBY CERTIFY THAT THE ABOVE HAS BEEN REVIEWED BY ME, AND IS TRUE AND CORRECT REPRESENTATION OF DATA PROVIDED BY CPMC.

REGISTERED PROFESSIONAL ENGINEER
STATE OF UTAH

BASE MAP LEGEND

PRIMARY ROAD
SECONDARY ROAD
TRAIL
BRIDGE, CULVERT
RAILROAD
BUILDINGS, STRUCTURES
LAKE, POND
RIVER, STREAM, CHANNEL
FENCE
CONTOURS
TRAVERSE STATION
HORIZONTAL CONTROL
VERTICAL CONTROL
FAN
DRILL HOLE (D-CORES)
SPOT ELEVATION
WATER SPOT
SECTION CORNER
SECTION CORNER FOUND
SWAMP
MINE PORTAL
DOWNSPOUT
CATCH BASIN
LIGHT POLE
POWER POLE
TOWNSHIP LINE
SECTION LINE
PROPERTY LINE

Olympus AERIAL SURVEYS INC.
50 West 2950 South Salt Lake City, Utah 84115
(801) 484-4351

INFERRED
RELATIVE MOVEMENT
DISPLACEMENT
MAPPED
DIP ANGLE IN DEGREES
FAULT

OUTCROP PROJECTION
BURN LINE (MAPPED OR PROJECTED)

S.L.B.&M.
NORTH
DATE OF PHOTOGRAPHY: SEPTEMBER 30, 1986
1000 500 0 1000
SCALE IN FEET

PROVIDED BY:
GEM CONSULTING & C.C.S. ENTERPRISES
ELIZABETH, CO.
303-646-3718

DESIGNED K.C.E.H.	DRAFTED JOB C.C.S.	CHECKED
DATE 3/28/1991		DATE OF BASE 3-1-86

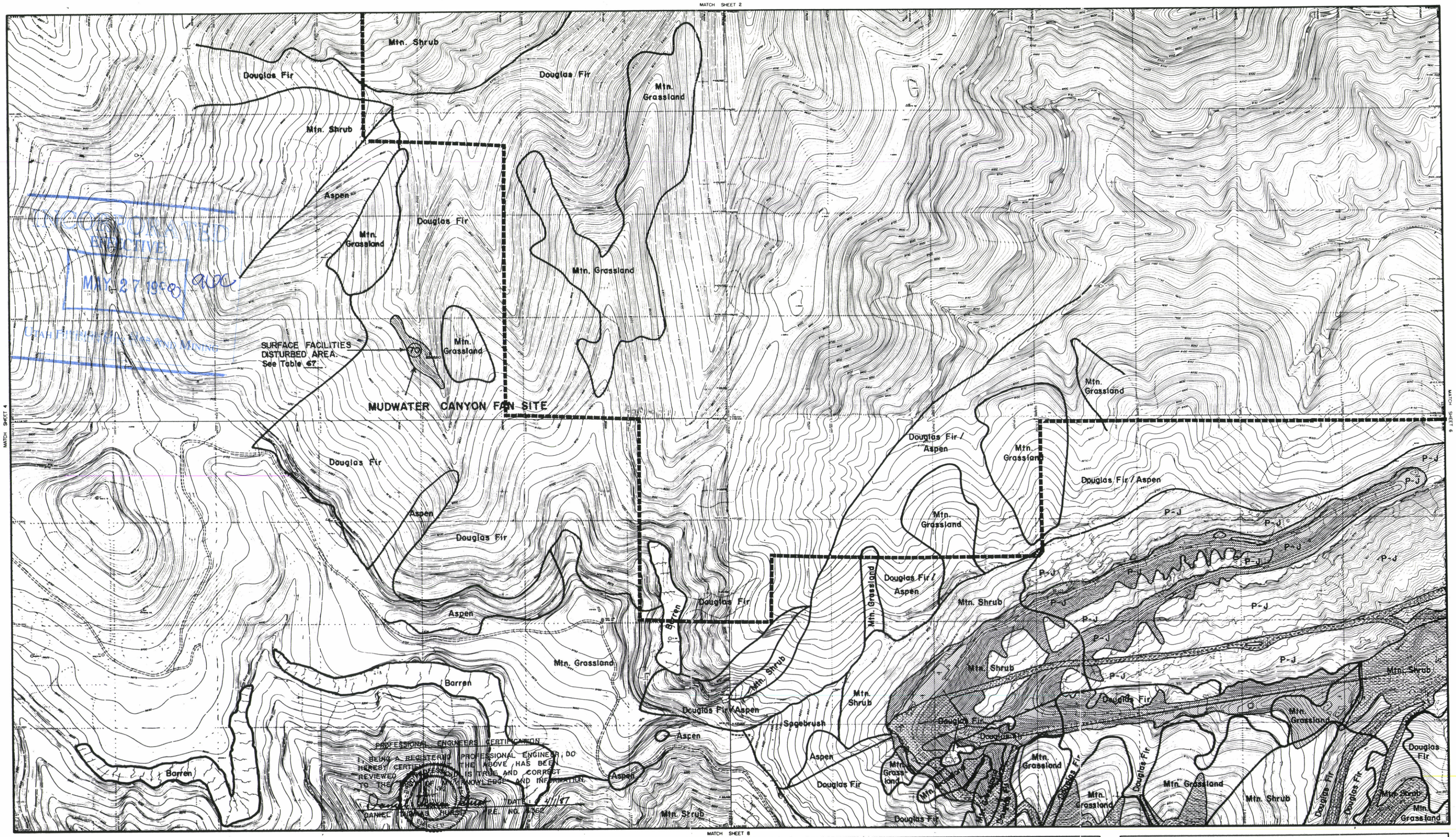
REV.	DATE	DESCRIPTION	APPR.
1	10/86	Add New Land Veg Areas	
2	8/91	Added CVR Area Data	
3			
4			
5			
6			

PERMIT AREA VEGETATION MAP

PLATEAU MINING COMPANY
P.O. DRAWER PMC · PRICE, UTAH 84501
PHONE 801 637-2675

SHEET NO.
MAP 321.100a

THIRD SEAM OUTCROP OVERLAY


MATCH SHEET 2
MATCH SHEET 4
MATCH SHEET 6
MATCH SHEET 8
Douglas Fir
Mtn. Shrub
Aspen
Mtn. Grassland
Barren
Sagebrush
P-J
SURFACE FACILITIES DISTURBED AREA. See Table 67
MUDWATER CANYON FAN SITE
Douglas Fir / Aspen
Douglas Fir / Aspen
Douglas Fir / Aspen
Mtn. Shrub
Mtn. Grassland
Mtn. Shrub
Mtn. Grassland
Douglas Fir
Mtn. Shrub
Mtn. Grassland
Mtn. Shrub
Mtn. Grassland
Douglas Fir
Mtn. Shrub
Mtn. Grassland
Douglas Fir
Douglas Fir
Mtn. Grassland
Mtn. Shrub
Mtn. Grassland
Douglas Fir
Douglas Fir
Mtn. Shrub
Mtn. Grassland
Douglas Fir
Douglas Fir
Mtn. Shrub
Mtn. Grassland
Douglas Fir
Douglas Fir
Mtn. Grassland
Douglas Fir
Douglas Fir
Douglas Fir
Douglas Fir
Douglas Fir
Douglas Fir
Mtn. Shrub
Mtn. Grassland
Douglas Fir
Douglas Fir
Douglas Fir
Douglas Fir
Mtn. Shrub
Mtn. Grassland
Douglas Fir
Douglas Fir
Douglas Fir
Douglas Fir
Douglas Fir
Douglas Fir

MATCH SHEET 1

MATCH SHEET 5

MATCH SHEET 1

P-J

SAGEBRUSH

P-J

SAGEBRUSH

MOUNTAIN SHRUB

SAGEBRUSH REFERENCE AREA

P-J

P-J

SUBSOIL STOCKPILE, P-J REFERENCE AREA

SALTBUSH

P-J

P-J

SAGEBRUSH

P-J

SAGEBRUSH

P-J

SAGEBRUSH

P-J

P-J

P-J

P-J

P-J

SAGEBRUSH

MOUNTAIN SHRUB

P-J

P-J

SALTBUSH REFERENCE AREA

SALTBUSH

SAGEBRUSH

P-J

SAGEBRUSH

P-J

SAGEBRUSH

P-J

P-J

P-J

P-J

P-J

Clear Water Diversion (undisturbed)

MOUNTAIN GRASSLAND

MOUNTAIN SHRUB REFERENCE AREA

MOUNTAIN SHRUB

SALTBUSH

MATCH SHEET 7

MATCH SHEET 1

INCORPORATED
EFFECTIVE:
MAY 27 1988
UTAH DIVISION OF OIL, GAS AND MINING

PROFESSIONAL ENGINEERS CERTIFICATION

I, BEING A REGISTERED PROFESSIONAL ENGINEER, DO HEREBY CERTIFY THAT THE ABOVE HAS BEEN REVIEWED BY ME AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND INFORMATION.

Daniel Thomas Hurst DATE: 11/86

DANIEL THOMAS HURST P.E. NO. 5362

LEGEND

- PRIMARY ROAD
- SECONDARY ROAD
- TRAIL
- BRIDGE, CULVERT
- RAILROAD
- BUILDINGS, STRUCTURES
- LAKE, POND
- RIVER, STREAM
- FENCE
- CONTOURS (600, 650)
- TREE LINES
- TRAVERSE STATION
- HORIZONTAL CONTROL
- VERTICAL CONTROL
- PHOTO CENTER
- DRILL HOLE
- SPOT ELEVATION (X 123)
- WATER SPOT (WEL 123)
- NEW LOCAL COORDINATE GRID TICK
- SECTION CORNER (15 14 22 23)
- SWAMP
- MINE PORTAL
- DOWNSPOUT
- CATCH BASIN
- LIGHT POLE
- POWER POLE
- PERMIT BOUNDARY
- CURRENT EXTENT OF DISTURBANCE
- DISTURBED PRIOR TO 3 AUG. 1977

Olympus AERIAL SURVEYS INC.
50 West 2950 South Salt Lake City, Utah 84115
(801) 484-4351

SHEET INDEX

3	2	1
4	5	6
9	8	7
10	11	12

NORTH

DATE OF PHOTOGRAPHY: SEPTEMBER 30, 1981

DESIGNED KAC	DRAFTED JGB	CHECKED
SCALE 1" = 400'	DATE 8/86	

REV.	DATE	DESCRIPTION	APPR.
1	11/86	Revised Permit Boundary	
2			
3			
4			
5			
6			

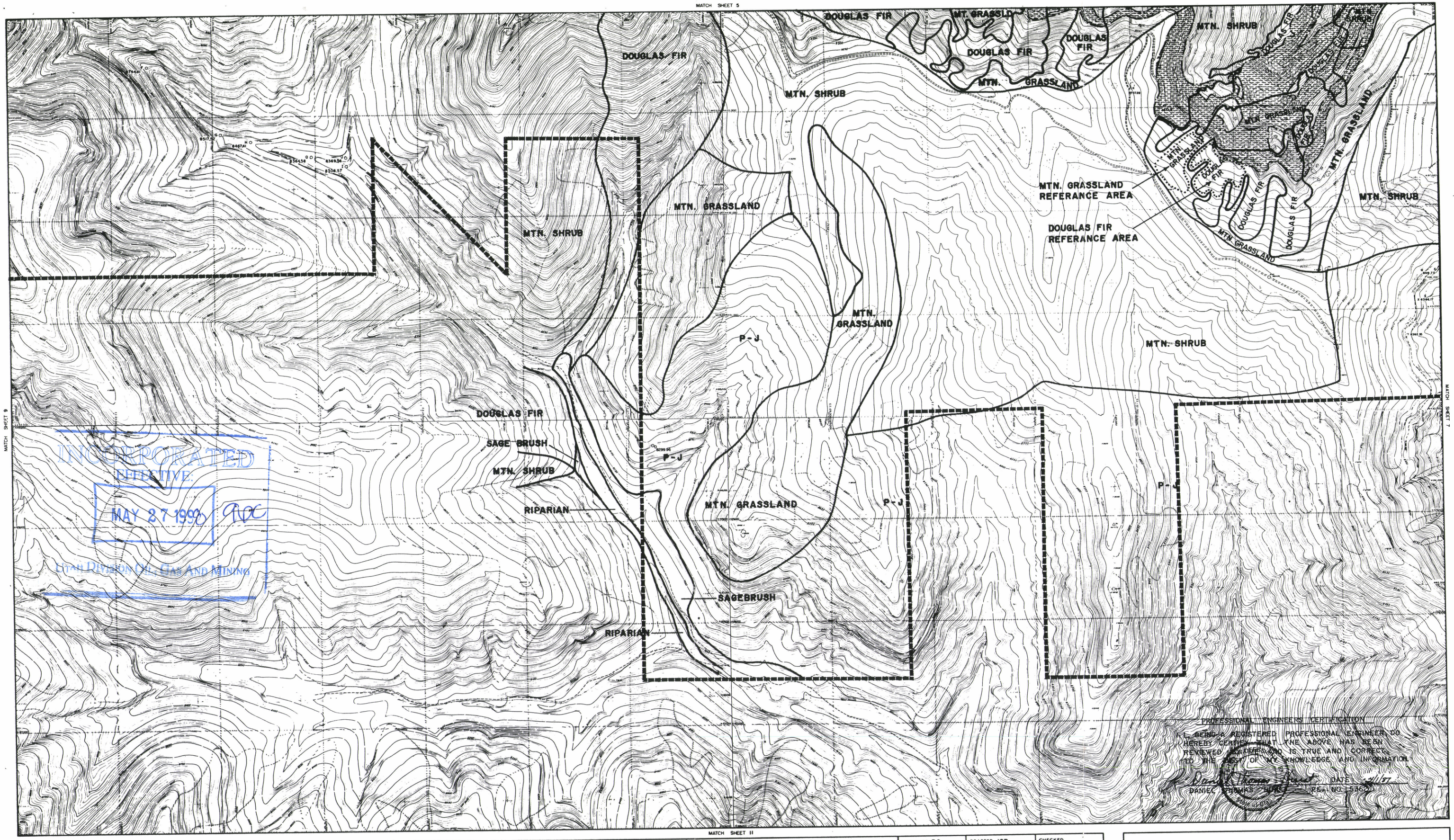
DISTURBED AREA VEGETATION MAP

PLATEAU MINING COMPANY
P.O. DRAWER PMC · PRICE, UTAH 84501
PHONE 801 637-2875

SHEET NO. 6

MAP 321.100c

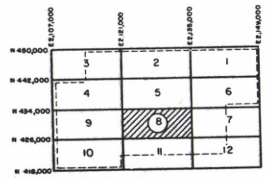
34



LEGEND

- PRIMARY ROAD
- SECONDARY ROAD
- TRAIL
- BRIDGE, CULVERT
- RAILROAD
- BUILDINGS, STRUCTURES
- LAKE, POND
- RIVER, STREAM
- FENCE
- CONTOURS (600, 650)
- TREE LINES
- TRAVERSE STATION
- HORIZONTAL CONTROL
- VERTICAL CONTROL
- PHOTO CENTER
- DRILL HOLE
- X 123 SPOT ELEVATION
- W.EL.123 WATER SPOT
- NEW LOCAL COORDINATE GRID TICK
- 13 14 22 23 SECTION CORNER
- SWAMP
- MINE PORTAL
- DOWNSPOUT
- CATCH BASIN
- LIGHT POLE
- POWER POLE
- PERMIT BOUNDARY
- AREA DISTURBED PRIOR TO AUG. 3, 1977

Olympus AERIAL SURVEYS INC.
(801) 484-4351
50 West 2950 South Salt Lake City, Utah 84115



SHEET INDEX

NORTH

DATE OF PHOTOGRAPHY: SEPTEMBER 30, 1981

NOTE: SEE EXHIBIT 19, SOILS INFORMATION FOR MAPPING UNIT DESCRIPTION.

DESIGNED BG	DRAFTED JGB	CHECKED
SCALE 1"=400'		DATE 8/86

REV.	DATE	DESCRIPTION	APPR.
1	11/86	Revised Permit Boundary	
2			
3			
4			
5			
6			

DISTURBED AREA VEGETATION MAP

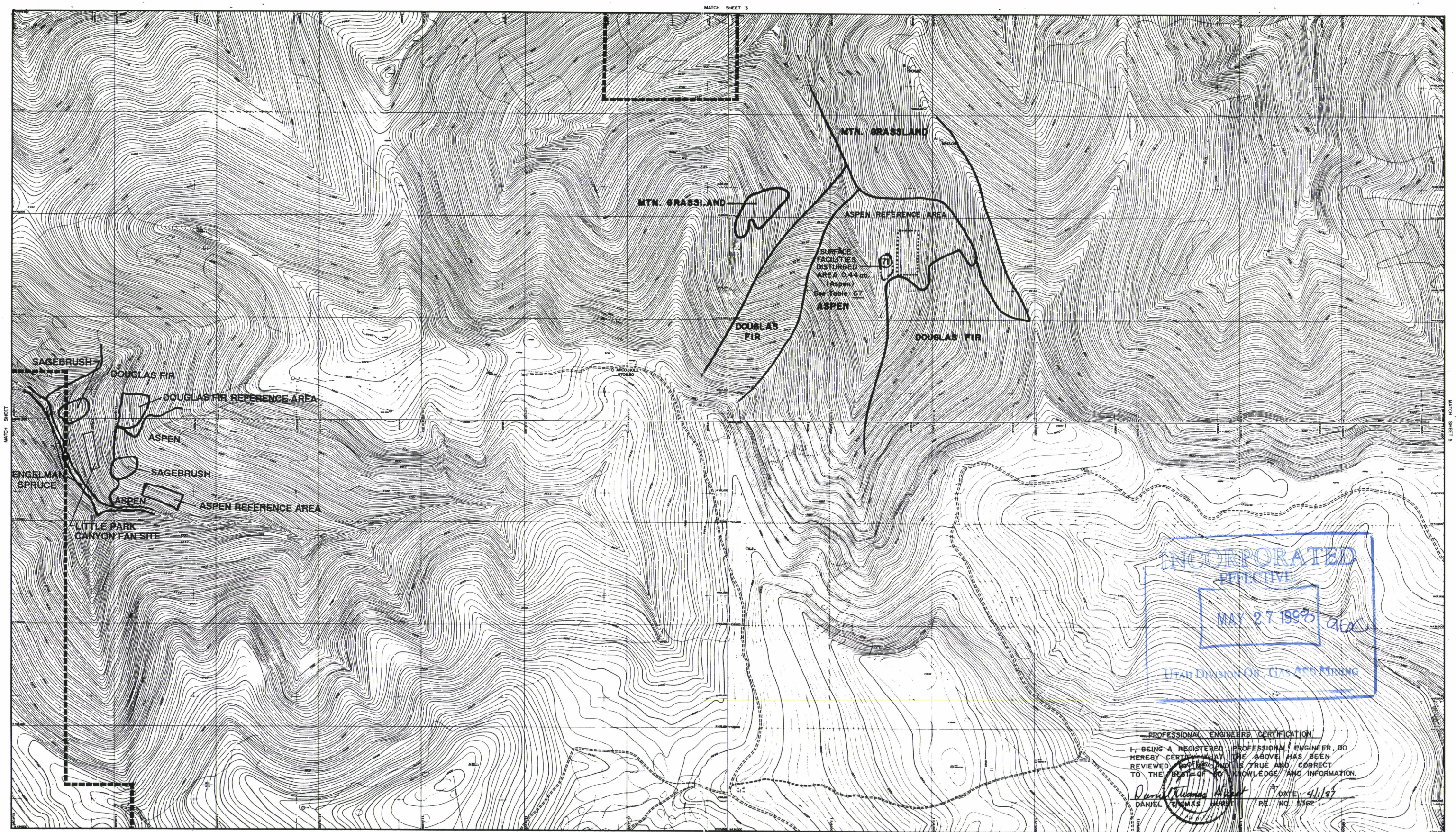
PLATEAU MINING COMPANY
P.O. DRAWER PMC · PRICE, UTAH 84501
PHONE 801 637-2875

SHEET NO. 8

MAP 321.100d

34

1147



LEGEND

- PRIMARY ROAD
- SECONDARY ROAD
- TRAIL
- BRIDGE, CULVERT
- RAILROAD
- BUILDINGS, STRUCTURES
- LAKE, POND
- RIVER, STREAM
- FENCE
- CONTOURS
- TREE LINES
- TRAVERSE STATION
- HORIZONTAL CONTROL
- VERTICAL CONTROL
- PHOTO CENTER
- DRILL HOLE
- SPOT ELEVATION
- WATER SPOT
- NEW LOCAL COORDINATE GRID TICK
- SECTION CORNER
- SWAMP
- PERMIT BOUNDARY

PREPARED BY
KUCERA & ASSOCIATES, INC.
Photogrammetric Consultants
Member, Ohio Lakeland, Fla. Denver, Colo. Astoria, Or.

SHEET INDEX

NORTH

DATE OF PHOTOGRAPHY: NOVEMBER 21-22, 1976

DESIGNED BG	DRAFTED JGB	CHECKED
SCALE 1": 400'	DATE 8/86	

REV.	DATE	DESCRIPTION	APPR.
1	11/86	Revised Permit Boundary	
2			
3			
4			
5			
6			

CORNER CANYON-LITTLE PARK CANYON FAN SITES VEGETATION MAP

PLATEAU MINING CO.

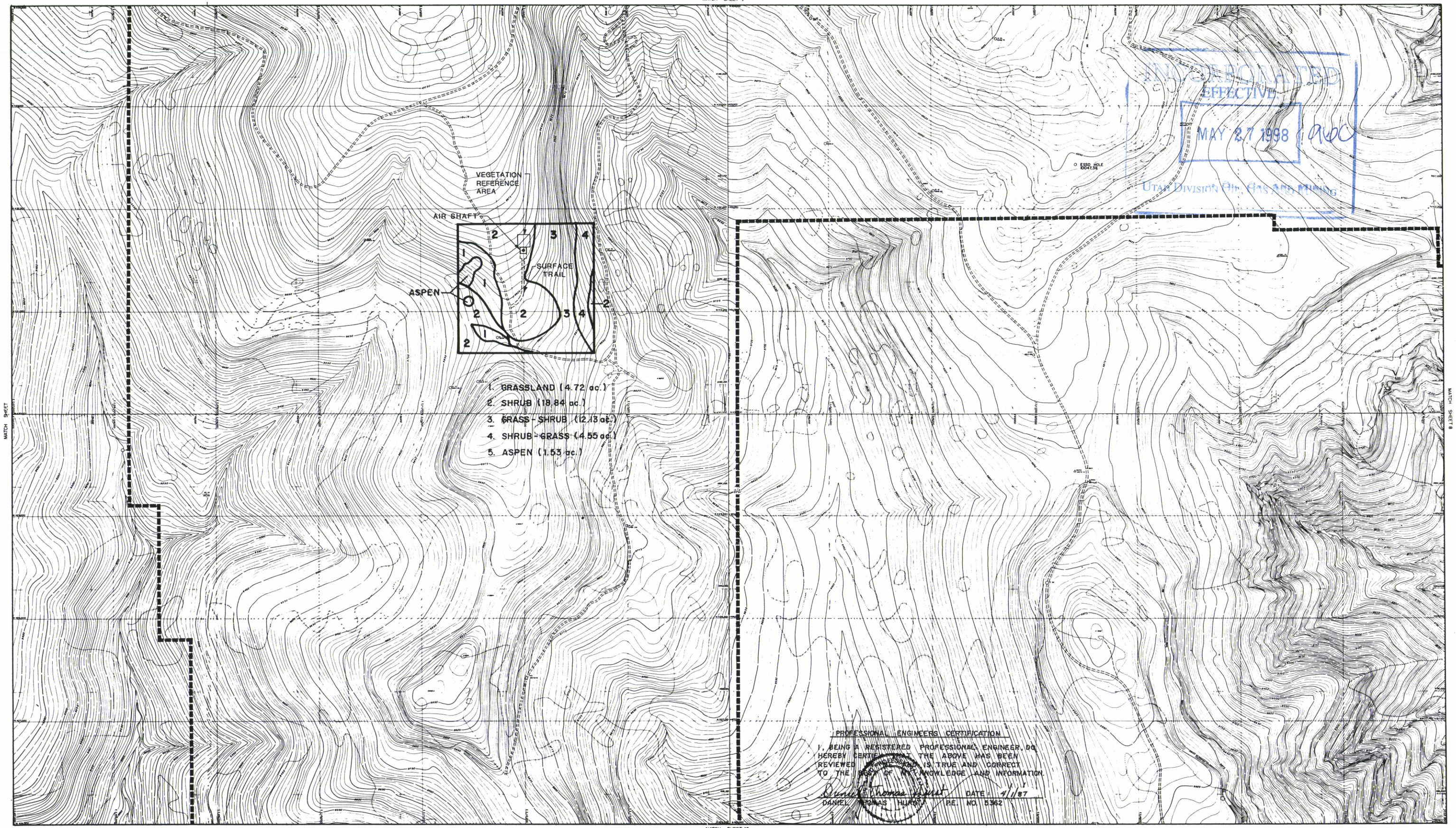
P.O. BOX PMC PRICE, UTAH 84501 PHONE 801 637-2875

SHEET NO. 4

MAP 321.100e

36

MATCH SHEET 4



MATCH SHEET 10

MATCH SHEET 7

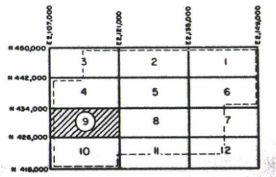
MATCH SHEET 8

INCORPORATED
EFFECTIVE
MAY 27 1998
UTAH DIVISION OIL, GAS AND MINING

LEGEND

- PRIMARY ROAD
- TEMPORARY ROAD
- TRAIL
- BRIDGE, CULVERT
- RAILROAD
- BUILDINGS, STRUCTURES
- LAKE, POND
- RIVER, STREAM
- FENCE
- CONTOURS (600, 650)
- TREE LINES
- TRAVERSE STATION
- HORIZONTAL CONTROL
- VERTICAL CONTROL
- PHOTO CENTER
- DRILL HOLE
- SPOT ELEVATION (x 123)
- WATER SPOT (W.S. 123)
- NEW LOCAL COORDINATE GRID TICK
- SECTION CORNER (15, 14, 22, 23)
- SWAMP
- PERMIT BOUNDARY

PREPARED BY
KUCERA & ASSOCIATES, INC.
Photogrammetric Consultants
Monsor, Ohio · Lakeland, Fla. · Denver, Col. · Asheville, N.C.



SHEET INDEX

NORTH

DATE OF PHOTOGRAPHY: NOVEMBER 21-22, 1976

DESIGNED BG	DRAFTED JGB	CHECKED
SCALE 1": 400'	DATE 8/86	

REV.	DATE	DESCRIPTION	APPR.
1	11/86	Revised Permit Boundary	
2	9/92	Revised Airshaft & Surface Trail	
3			
4			
5			
6			

GENTRY MOUNTAIN AIR SHAFT
VEGETATION MAP

PLATEAU MINING CO.

P.O. BOX PMC PRICE, UTAH 84501 PHONE 801 637-2875

SHEET NO. 9

MAP 321.100f

MATCH SHEET 3

MATCH SHEET 5

MATCH SHEET 9

CORNER CANYON FAN SITE

LITTLE PARK CANYON FAN SITE

INCORPORATED
EFFECTIVE
MAY 27 1998
UTAH DIVISION OF OIL, GAS AND MINING

PROFESSIONAL ENGINEERS CERTIFICATION

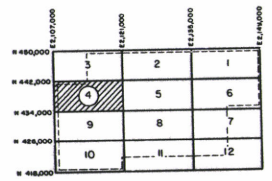
I, BEING A REGISTERED PROFESSIONAL ENGINEER, DO HEREBY CERTIFY THAT THE ABOVE HAS BEEN REVIEWED BY ME AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND INFORMATION.

DANIEL THOMAS HERBERT DATE: 4/1/87 PE. NO. 5362

LEGEND

- PRIMARY ROAD
- SECONDARY ROAD
- TRAIL
- BRIDGE, CULVERT
- RAILROAD
- BUILDINGS, STRUCTURES
- LAKE, POND
- RIVER, STREAM
- FENCE
- CONTOURS
- TREE LINES
- TRAVERSE STATION
- HORIZONTAL CONTROL
- VERTICAL CONTROL
- PHOTO CENTER
- DRILL HOLE
- SPOT ELEVATION
- WATER SPOT
- NEW LOCAL COORDINATE GRID TICK
- SECTION CORNER
- SWAMP

To be seeded with, "Fan Site Permanent Seed Mixture". (Table 70). Cover and production revegetation success criteria will be calculated from the corner canyon aspen reference area. The shrub density standard will be 900 plants per acre.



SHEET INDEX

NORTH

DATE OF PHOTOGRAPHY: NOVEMBER 21 - 22, 1976.

DESIGNED BG	DRAFTED JGB	CHECKED
SCALE 1": 400'	DATE 5/4/87	

REV.	DATE	DESCRIPTION	APPR.
1	11/86	Revised Permit Boundary	
2	9/91	Added Little Park Canyon Fan Site	
3			
4			
5			
6			

REVEGETATION PLAN MAP

PLATEAU MINING CO.

P.O. BOX PMC PRICE, UTAH 84501 PHONE 801 637-2875

SHEET NO. 4

MAP 341.100a