

Hidden Mesa Ranch
“Hidden Pit”

Exhibit “D”
Mining Plan

- A) Mining operations will consist of 6” – 12” of topsoil to be removed and stockpiled 2’ – 6’ of overburden to be removed and used in reclamation of slopes gravel to be mined and processed on site. A 11’ x 70’ scale will be constructed using a concrete foundation with rebar reinforcement and a portable scale house will be on site. Irrigation facilities are on site and will be moved as the mine progresses. All process equipment used on site will be portable. Washing of gravel may be utilized if there is a market for that a 1 acre pond (see exhibit “C” for location) will be constructed for product wash waters, no chemicals will be utilized for settling on site. Access road is also included in the disturbance area being 3500’ long and 25’ wide containing 2 acres. No disturbance related to mining outside of the permit boundaries will occur. Mining slopes within the mine will be carried at a 1:1 slope and mining slopes along the permit boundaries will be carried at a 2:1 slope.
- B) 2 feet – 6 feet of overburden/topsoil will be removed to expose gravel deposit. Topsoil will be stripped and salvaged from areas where overburden dirt will be stored.
- C) No ground water is expected on site.
- D) Disturbed areas not to exceed 26 acres.
- E) Disturbed areas not to exceed 26 acres at any time. Expected production of 100,000 tons per year will be approx.. 12.5 years to mine out phase 1a. Approx.

6000 cu.yds. of topsoil will be stockpiled and drill seeded to prevent erosion.

Approx.15,000 cu.yds of overburden will be stored on site please see map exhibit

“C” for locations.

F) 26 acres phase 1a, to begin summer of 2023 and run until 2037 or until gravel deposits are depleted.

G) i 25 feet of gravel to be mined at site.

ii shale is at the bottom of the proposed mining depth.

H) Primary commodity is sand and gravel to be used in construction materials.

Secondary commodity to be fill dirt.

I) Gravel to be used in production of construction materials.

J) Mine will not use explosives.

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Exhibit “E”
Reclamation Plan

- A) Reclamation will be done immediately following the removal of gravel deposits. Pit edges will be graded to 3:1 slopes and will be shaped to promote wildlife habitat. Reclaimed land will be covered with 6-10 inches of topsoil and reseeded with a drill. Topsoil stockpiles that will remain for 180 days will be drill seeded to prevent erosion.
- B) Post mining uses will be farming and livestock grazing. Other land uses in the area are farming and livestock grazing.
- C) Reclamation plan will be implemented at the extraction of gravel deposits. Phase 1a to be mined over the summer of 2022 - 2037. Reclamation of Phase 1a to take place immediately following removal of gravel deposits. After placing and shaping of reclaimed land, 6-10 inches of topsoil will be spread across reclaimed surfaces and will be seeded in October to promote early germination in the spring as follows per soil conservation office. Slopes will be wheel rolled in with a front end loader for compaction.
- D) N/A
- E)
 - i Affected land to be reclaimed by the summer 2051.
 - ii Phase 1a – 26 acres
 - iii 1 overburden placement and slope rebuilding.
 - 2 berm and edge pit shaping
 - 3 topsoil placement
 - 4 reseeding
- F)
 - i Slopes to be graded to 3:1
 - ii
 - 1 Sainfoin – 2.5 lbs/acre
 - 2 Bromine Smooth – 1.6 lbs/acre
 - 3 Intermediate Wheatgrass – 2.5 lbs/acre
 - 4 Pubescent Wheatgrass – 2.25 lbs/acre
 - 5 Orchard – 0.3 lbs/acre
 - iii N/A
 - iv N/A
 - v 6-10 inches of topsoil to be replaced on affected areas.

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Exhibit “G”

- 1) Operation will be graded as to channel all site runoff water to remain on site in settling areas. Ongoing irrigation of adjacent fields will be channeled around the active mine. Water from runoff will be channeled to the center of the pit for settling and not along the edges for slope stability reasons.
- 2) A) No tributary water courses, springs, stock water ponds, reservoirs or ditches are present on affected or adjacent lands other than irrigation waste water. Water from irrigation will be channeled around active mine site.

B) No known aquifers in area that will be disturbed. No ground water is expected to be encountered in mining. Water in the aquifers from irrigation that are adjacent to the mine site will be left undisturbed. If ground water is encountered excavation will cease and water will be covered up.

C) Water from run off will be channeled into sediment areas in the mining permit area.

D) Water for proposed mine will be imported.

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Exhibit “H”

- A) Mule deer grazing are the existing wildlife uses of the affected lands.
- B) N/A
- C) No endangered species are present on affected lands.
- D) Farm land will be replaced after gravel deposits have been removed.

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Exhibit “J”

- A) Present vegetation is native grass with some sage and farmland. See Exhibit “I” for quantities and types of cover vegetation.
- B) See Exhibit “I”
- C) Carrying capacity for livestock is 2 animals to 1 acre.

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Exhibit “K”

Please see enclosed exhibit “W” for weather information.

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Exhibit “L”

- 1) Overburden – place and shape of slopes
15,800 cubic yards at \$1.20/yd = \$18,960
Topsoil placement – 7,000 cubic yds at \$1.93/yd = \$13,510
Grass seed mix - \$12,240
Seed placement - \$8,200
- 2) Scale and foundation removal and scale house removal: \$8,000
- 3) All other processing equipment are mobile and are part of the reclamation cost estimate.
- 4) Overburden and topsoil stockpiles are also in the mining permit area and reclamation are included in this cost.

Total Reclamation Cost of Phase 1 = \$60,910

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Exhibit “M”

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- 1) Hidden Mesa Ranch has filed for a conditional use permit from Delta County for the expansion of existing mine.
- 2) Hidden Mesa Ranch will apply for a CDPHE stormwater permit and air pollution permit.
- 3) Additional permits will be forwarded to DRMS upon receiving.

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Exhibit “P”

Municipalities within a two-mile radius:

Delta County
295 W. 6th street
Delta, CO 81416

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Exhibit “S”

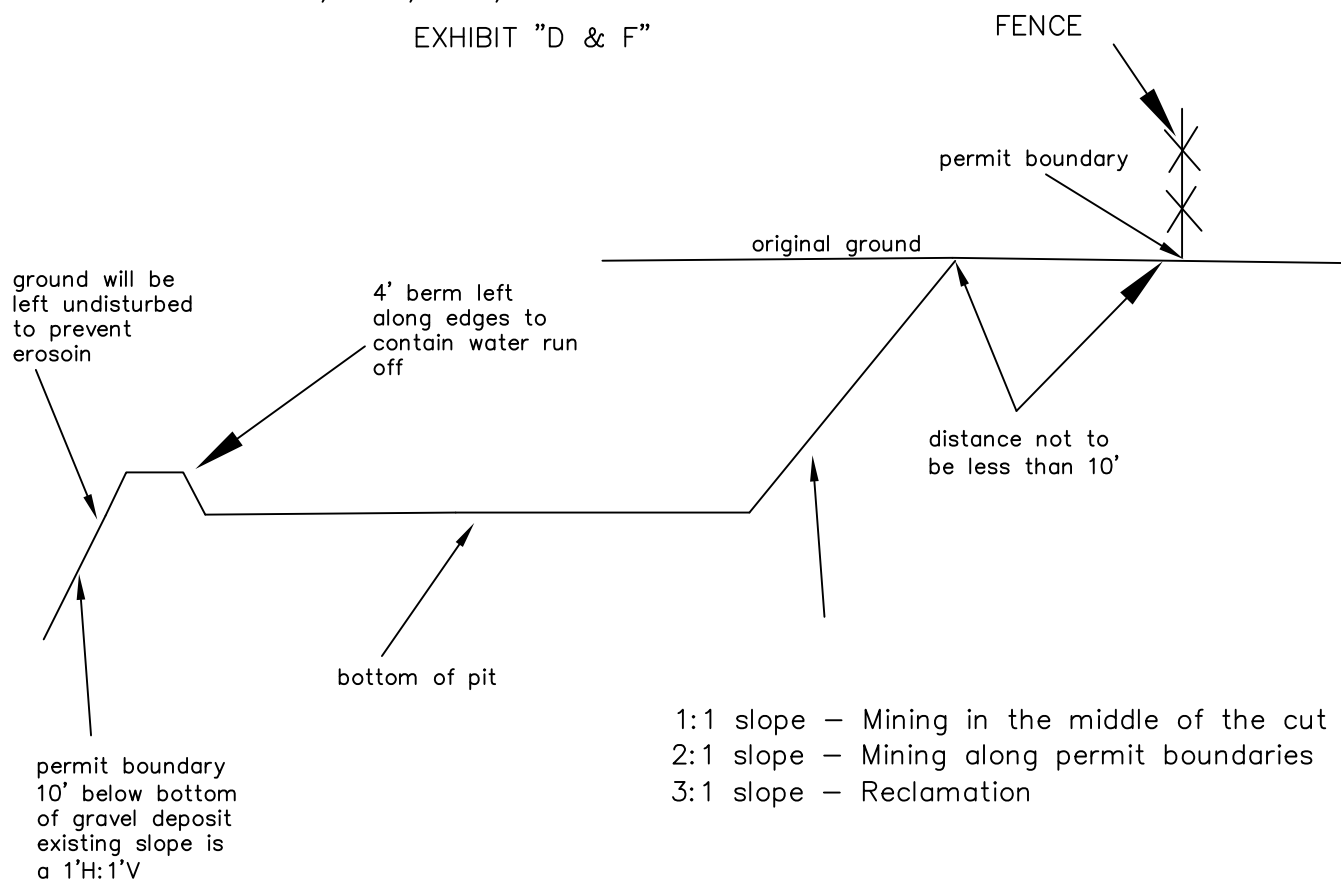
- 1) There are no man-made (not owned by the permit applicants) structures within 200 feet of the proposed mine.

SCALE: N.T.S.

Hidden Mesa Ranch — Hidden pit cross section

NE1/4 N1/2SE1/4 SECTION 20, T14S, R94W

EXHIBIT "D & F"



MINING PLAN CROSSECTION "TYPICAL"

20' — 25' OF GRAVEL DEPOSIT TO BE REMOVED.

PREPARED BY:
Steve Baker

DATE:
2-2-23