

Limited-Results Archaeological Survey Form

History Colorado- Office of Archaeology and Historic Preservation

OAHP 1420

COLORADO CULTURAL RESOURCE SURVEY


Revised 9/98

LIMITED-RESULTS CULTURAL RESOURCE SURVEY FORM

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This form (#1420) is for small scale limited results projects - block surveys less than 160 acres with linear surveys under four miles. Additionally, there should be no sites and a maximum of four Isolated Finds. This form must be typed.

I. IDENTIFICATION

1. Report Title (include County): New Elk Coal Company Permit Area 2020 Drill Program, Las Animas County, Colorado
2. Date of Field Work: August 19, 2020
3. Form completed by: Dulaney Barclay Date: August 26, 2020
4. Survey Organization/Agency: Arcadis U.S., Inc.
Principal Investigator: Dulaney Barclay
Principal Investigator's Signature: 
Other Crew: None
Address: 630 Plaza Drive, Suite 200, Highlands Ranch, Colorado 80129
5. Lead Agency / Land Owner: State of Colorado, Department of Natural Resources
Contact: _____
Address: 1313 Sherman Street, Room 718, Denver, Colorado 80203
6. Client: New Elk Coal Company
7. Permit Type and Number: Survey & Testing #77571
8. Report / Contract Number: _____
9. Comments: _____

II. DESCRIPTION OF UNDERTAKING / PROJECT

10. Type of Undertaking: Exploration core hole drilling
11. Size of Undertaking (acres): 3.939 Size of Project (if different) _____

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12. Nature of the Anticipated Disturbance: Clearing of 0.83 acre drill pads; clearing of 14 foot wide access roads to drill pads from existing roads; improvements to existing two-track roads to drill pad locations.

13. Comments: _____

III. PROJECT LOCATION

Please attach a photocopy of USGS Quad. clearly showing the project location. The Quad. should be clearly labeled with the Prime Meridian, Township, Range, Section(s), Quad. map name, size, and date. Please do not reduce or enlarge the photocopy.

14. Description: Approximately 5 miles west of the Town of Weston on the south side of the Purgatoire River Valley, and in Apache Canyon, Left Fork Canyon, and Circuela Canyon.

15. Legal Location: Quad. Map: Vigil Date(s): 1971

Principal Meridian: 6th X NM Ute

NOTE: Only generalized subdivision ("quarter quarters") within each section is needed

Township: 33S Range: 68W Sec.: 23 1/4s SW SW ;

Township: 33S Range: 68W Sec.: 23 1/4s NW SE ;

Township: 33S Range: 68W Sec.: 24 1/4s SW SE ;

Township: 33S Range: 68W Sec.: 24 1/4s NE SE ;

Township: 33S Range: 68W Sec.: 25 1/4s SE SW ;

Township: 33S Range: 68W Sec.: 26 1/4s SW NE ;

Township: 33S Range: 68W Sec.: 35 1/4s SW NE ;

Township: 33S Range: 68W Sec.: 36 1/4s NW SW ;

If section(s) is irregular, explain alignment method: _____

16. Total number of acres surveyed: 21.65

17. Comments: Survey of eight separate core hole drill pads and associated access roads totaling 21.65 acres.

IV. ENVIRONMENT

18. General Topographic Setting: Mountainous area on south side of a river valley.

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Current Land Use: Current usage as a wildlife area (Bosque de Oso) open to recreation and oil & gas development.

19. Flora: Open Ponderosa pine forest at upper elevations; shrubs at lower elevations including Mountain mahogany, Currant and Chokecherry; Purgatoire River valley contains willows, thick grasses and Poplar trees.

20. Soils/Geology: Soils are a brown sandy loam with gravels; local bedrock is sandstone with interbedded coal deposits. Sandstone bedrock contains fossilized plants.

21. Ground Visibility: Fair (30-40%) to Excellent (80-100%)

22. Comments: Fair visibility in undisturbed areas; excellent visibility in disturbed areas.

V. LITERATURE REVIEW

23. Location of File Search: COMPASS, OAHP, Denver, Colorado Date: 08/18/2020

24. Previous Survey Activity - In the project area: LA.CM.R12-Class III Cultural Resources Inventory of the Refuse Disposal Area #1 Expansion, New Elk Coal Company LLC, Las Animas County, Colorado; LA.OSM.R1- Archaeological Investigations in the Vicinities of the Allen and Maxwell Mines, CF&I Steel Corporation, Las Animas County, Colorado.

In the general region: See 1999-*Colorado History: A Context for the Arkansas River Basin*, Colorado Council of Professional Archaeologists, Denver; 2007- *Colorado History: A Context for Historical Archaeology*, Colorado Council of Professional Archaeologists, Denver.

III. LITERATURE REVIEW (continued)

25. Known Cultural Resources - In the project area: Five previously recorded historic sites within 1 mile of project areas. These consist of the San Isidro Church (5LA1105); Bridge House (5LA5925); Vigil Plaza (5LA5930); Jose Urbano Vigil Ranch (5LA6302); Purgatoire River Bridge (5LA8917).

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In the general region (summarize): Early Archaic projectile point surface finds from Lorencito Canyon Mine and the Purgatoire-Apishapa Highlands; excavated Middle & Late Archaic sites from Lorencito Canyon Mine (5LA2190); Late Prehistoric Diversification period sites (5LA1211, 5LA1416, 5LA1417, 5LA1424, 5LA1425); Protohistoric (5LA1411); historic coal mining and associated railroad resources in the upper Purgatoire River Valley.

26. Expected Results: Small sites and isolated finds dating from the Archaic, Late Prehistoric, Protohistoric and Historic mining periods.

VI. STATEMENT OF OBJECTIVES

27. Cultural resources clearance for eight exploration core hole drill pads and associated access roads. National Register of Historic Places eligibility evaluations and management recommendations for all cultural resources within the Area of Potential Effect.

VII. FIELD METHODS

28. Definitions: Site Five or more artifacts within 20 meters of each other; two or more features within 20 meters of each other; combination of five or more artifacts and one or more features within 20 meters of each other.

IF Four or fewer artifacts or a single feature with no other artifacts or features within 20 meters.

29. Describe Survey Method: Block project areas surveyed with parallel pedestrian transects spaced 15- 20 meters apart. Linear areas surveyed by pedestrian transects parallel to centerline at 15-20 meter intervals.

VIII. RESULTS

30. List IFs if applicable. Indicate IF locations on the map completed for Part III.

A. Smithsonian Number: 5LA1483 Description: Metal drill

B. Smithsonian Number: 5LA1484 Description: Metal can and lid

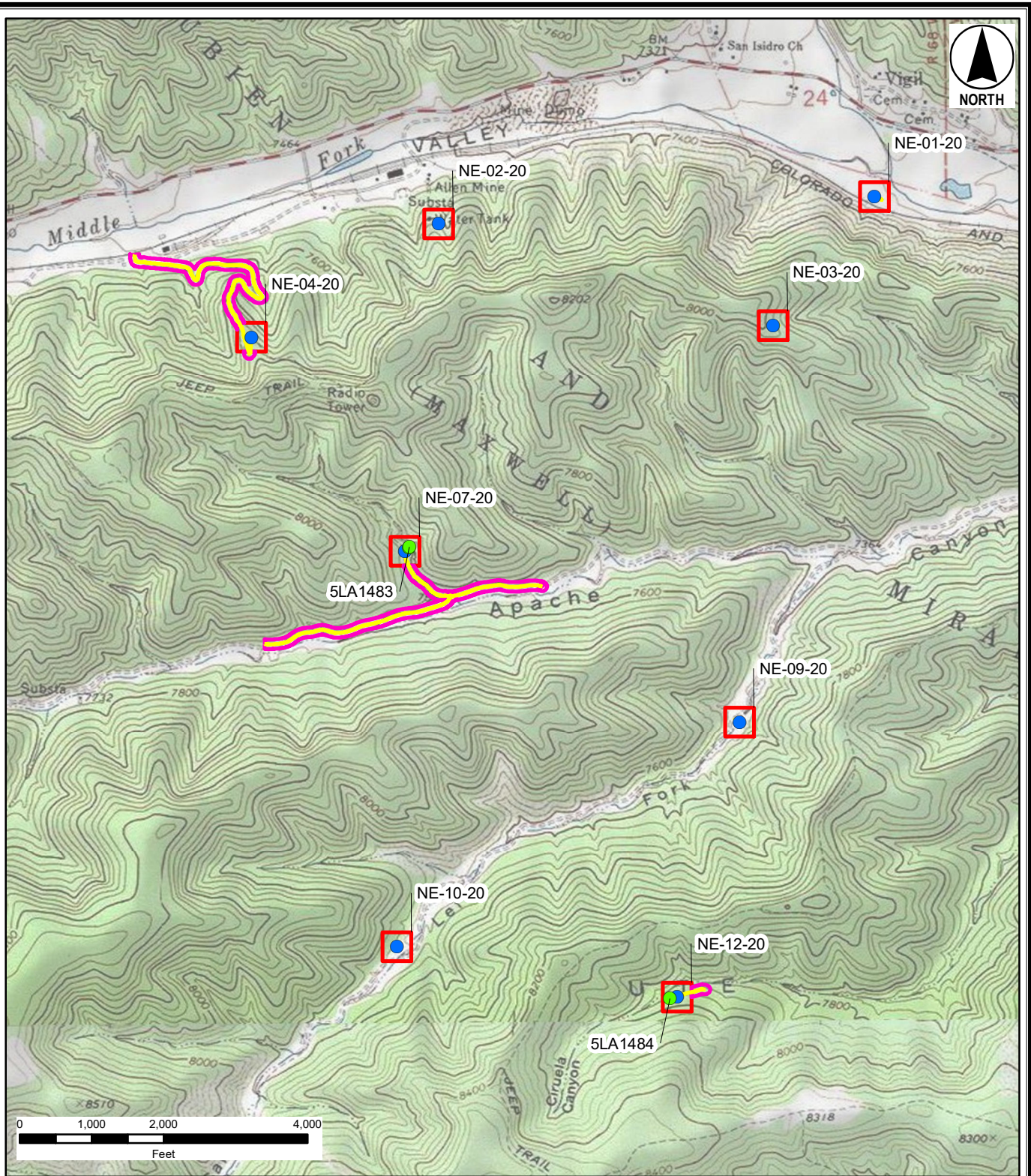
C. Smithsonian Number: _____ Description: _____

D. Smithsonian Number: _____ Description: _____

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31. Using your professional knowledge of the region, why are there none or very limited cultural remains in the project area? Is there subsurface potential? Small survey areas in or adjacent to previously disturbed areas; project locations in upland areas away from reliable sources of water.



LEGEND

- Pad Center
- Cultural Isolated Find
- Access Road
- Access Road Buffer
- Drill Pad Survey Block

Notes:

1. Coordinate System is NAD 1983 StatePlane Colorado South (US Feet).
2. USGS 7.5' Topographic Quadrangle for Vigil, Colorado obtained from Esri Map Service.



FIGURE 1

PROJECT LOCATION MAP



Date: 9/1/2020

Prepared By: CFarrow

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