

Prehistory of the Jonah Field

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The Jonah Field

The Jonah Field In Jonah Field In Jonah Field In Jonah Field In a nearly 30,000 acre natural gas field located in Sublette Counly. Wyoming. Beginning in 1993, a new technique for fracturing the rock substrate was put to use in the Jonah Field and has since made it one of the nation's largest natural gas fields in the lower 48 states. A Jonah Research Plan use developed, in part, to manage and preserve the cultural resources encountered in the Jonah Field and to help provide further understanding of part human lifeways by filling in the gap in the suchseological record. Another purpose of the Research Plan is to inform and share with the public the information gained through the study of the cultural resources in the Jonah.

Chronology of the Jonah Field

Over the last 15 years, information about the prehistory of the Jonah Field has increased exponentially. Approximately 3500 prehistoris the have been recorded. To date, there sites have produced approximately 450 radiocarbon dates spanning from the Paleoindian to the Protechitoric Period. Additionally, almost 275 diagnostic projectile points have been collected from the Jonah Field by Current Archaeological Research. Inc. alone. From these dates, projectile points and their associated sites, the prehistory of the Jonah Field paints an interesting picture through time.

The Paleoindian Period

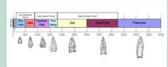
- . Most Paleoindian sites consist of surface finds of diagnostic
- Policolindian fire hearthy contain found bone from unidentifiable small mammals or jackrabbit and the primary fuel sources include sagebrush and birch.
- Two Eden points found in buried contexts.
- Point types have included Folsom, Agate Basin, Hell Cap, Alberta. Cody (Scottshuff and Eden) and Angostura and are often made from the local Aliali Creek, fossiliferous and oolitis chert materials.

The Early Archaic Period

- Separated into the Great Divide Phase from 8500-6000 years BP and the Opal Phase from 6000-3600 years BP.
- 117 radiocarbon dates from the Great Divide Phase and 217 radiocarbon dates from the Opal Phase.
- Common artifacts include ground stone manos metates, bone tools (awls, fleshers), debitage, expectione tools (e.g., end-scrapers, side-scrapers, spokesheretouched flakes) and bifaces (e.g., knives, drills).











Paleotridian projectile points found in the Jonah Field. From left to right, an Eden point, a Hell Goo point and a foliom point base.





- Macrofloral analysis has identified charred prickly pear cactus, goosefoot seeds, Indian ricegrass seeds, mustard seeds, bitterroot and biscuitroot. Sagebrush is the primary
- Great Divide Phase projectile points: straight sided to triungular shaped blades with side notches; in the Jonah Field, include Pryor Stemmed, Hawken and Bitterroot (Northern) Side-notched.
- Opal Phase projectile points: triangular shaped blades with side or corner notches; in the Jonah Fleld, include Duncan, Hanna, McKean Lancoclate, Eliko Corner-notched, Youkee and Pinto Basin (Square-shoulder and Sloping-shoulder).
- Housepits: large circular to oval shaped stains with be shaped profiles that are partially to completely surround by 3-26 postmolds (average of 10 per structure).
- Two to twelve interior fire hearths and/or storage pits per structure.
- Different from housepits: the floors are not escavated and interior features are exposed on the same surface as
- The J. David Love Site: nine structures, seven fire hearths
- Dates to 7290±50 years BP (Beta-169796) making it chronologically the oldest known in Wyoming.

The Late Archaic Period

- Divided into the Pine Spring Phase (3600-2900 years BP) and the Deadman Wash Phase (2900-1800 years BP).
- Seventy-three radiocarbon dates.
- Bitterroot, biscultroot, Indian ricegrass, goosefoot and prickly pear cactus found in macrofloral samples.
 No structures found from the Late Archaic Period.

- suggesting time at containing pass.

 Artifacts include numerous ground stone manos and metalest, debitage, expedient stone tools and bifaces.

 Most common projectile points are unnamed large corner-notched, triangular bladed points. Other types include Elio.

 (Square-shoulder and Contracting Stens), Pinto Basin (Square-shoulder) and Pelican Lake.













The Late Prehistoric Period

- Divided into the Uinta Phase (1800-1000 years BP) and the Firehole Phase (1000-250 years BP).
 Thirty-four radiocarbon dates.

- Buried fire hearth features have bison bone and/or a variety of plant species.
- venety of plant species.

 Ulita Phase projectile points: Rose Springs (Cornernothed, Side-notched and Expanding Stem) and small corner-notched, triangular bladded points.

 Firehole Phase projectile points: side-notched and tri-notched styles, Desert Side-notched, Cottonwood Triangular Blains Side-notched and Prairie Side-notched.
- Several tipi rings and a small possible "shaman circle" are located on Yellow Point Ridge.

- Several tipt rings and a limit positive inaman circle are located on Vetico Point Ridge.
 Prehistoric ceramics, mostly imail iherds of gray utility ware, are present at 10 iter, which are generally thought to be late Prehistoric in age.
 Interreculation limits, which is considered a cultural marker for Shoshonean tribes, is one possibility for the prehistoric ceramic type.
 The Wolf Tooth Site: ceramics formed part of the serated rine of a single imal visual.
 Vicek's Archaeological District (483/240400) has five locations with ceramics (483/2404, 483/2205, 483/2205, 483/2208, 485/3270; Rowen's Net) and 485/33800 and represents the highest concentration of ceramic allessoons in southnesseum Veynming.
 Recent excurations at Raven's Nest recovered approximately 1100 sherths: refit analysis is currently being conducted.

The Protohistoric & Historic Periods

- Raven's Nest: only Protohistoric date in the Jonah Field.
- Other artifacts at Raven's Nest included a glass trade bead and a pipe stem fragment.
- bead and a pipe stem fragment.

 Hittoric Feroth begins mid 1800s: multiple historic wagon roads and auto roads near the Jonah Field.

 Three documented cow camps (Johnny Wardell's Castle, Cranite Camp and an unnamed cashi) that were used by local ranchers during the first half of the 20% century.
- Sheepherding camps/historic debris scatters (e.g. bottle glass and wire) also present.

