

NMCRIS INVESTIGATION ABSTRACT FORM (NIAF)

1. NMCRIS Activity No.: 108807	2a. Lead (Sponsoring) Agency: BLM	2b. Other Permitting Agency(ies): State	3. Lead Agency Report No.:
4. Title of Report: A class III archaeological survey for the proposed Blackhawk "11" Federal Com well #1 pad and associated access road. Author(s) Jeffrey Pangburn and Vanessa Hughie			5. Type of Report <input checked="" type="checkbox"/> Negative <input type="checkbox"/> Positive
6. Investigation Type <input type="checkbox"/> Research Design <input checked="" type="checkbox"/> Survey/Inventory <input type="checkbox"/> Test Excavation <input type="checkbox"/> Excavation <input type="checkbox"/> Collections/Non-Field Study <input type="checkbox"/> Overview/Lit Review <input type="checkbox"/> Monitoring <input type="checkbox"/> Ethnographic study <input type="checkbox"/> Site specific visit <input type="checkbox"/> Other			
7. Description of Undertaking (what does the project entail?): On 11 January, 2008, Jeffrey Pangburn, with Boone Archaeological Services conducted a class III archaeological survey to meet the federal and state laws for preserving and protecting cultural resources. These laws include, but are not limited to, Section 106 of the National Historic Preservation Act of 1966 and Executive Order 11593 for C.O.G Operating LLC. This survey was designed to meet, or exceed, the requirements detailed in the BLM Manual Supplement H-8100-1 New Mexico, Oklahoma, and Texas, Procedures for performing Cultural Resource Fieldwork on Public Lands in the area of New Mexico BLM Responsibilities 2002. The proposed project is located in Eddy County, New Mexico. The proposed project is for the proposed Blackhawk "11" Federal com well #1 pad and an associated access road. The project consists of a 600' x 600' survey area for the Blackhawk "11" Federal Com well #1 pad. The impact area is unknown but estimated to be 400' x 400'. The access road starts at the northwest portion of the well pad and extends southwest. The road ends at an existing bladed and maintained lease road. The overall length of the access road is 5340.7' (+/-) and was surveyed with a 100' survey corridor centered on the marked right of way. The impact area is unknown but estimated to be a 50' wide corridor centered on the marked right of way. A total of 150' (+/-) of the proposed access road is with in the survey area of the well pad leaving 5190.7' (+/-) of newly surveyed footage along the access road. The project crosses a lease road and an overhead electric line and is within a grazed modern cattle pasture. The area is desert scrubland with copice dunes and various interdunal areas. During the course of field work no cultural materials were encountered. The location plots for the project were obtained by utilizing a hand held GPS unit. The project right of way was delineated by the client prior to field work with lathe and marking tape			
8. Dates of Investigation: (from: 1/11/2008 to:)		9. Report Date: 01/11/2008	
10. Performing Agency/Consultant: Boone Archaeological Services, LLC 2030 North Canal Carlsbad NM 88220 Principal Investigator: Danny Boone Field Supervisor: Jeffrey Pangburn Field Personnel Names:		11. Performing Agency/Consultant Report No.: BAS 11-07-33	
13. Client/Customer (project proponent): C. O. G. Operating LLC Contact: LeeAnn Rowlins Address: Fasken Center, Tower II 550 W, Texas Ave. STE. 1300 Midland, TX 79701 Phone: (432) 683-7443		12. Applicable Cultural Resource Permit No(s): BLM 190-2920-06-J STATE: NM-07-157	
14. Client/Customer Project No.:		15. Land Ownership Status (<i>Must be indicated on project map</i>):	
Land Owner		Acres Surveyed	Acres in APE
BLM		9.62 (+/-)	4.81 (+/-)
State		10.55	4.81
TOTALS		20.17 (+/-)	9.62 (+/-)

NMOCD Case No. 14323

August 20, 2009

COG Operating LLC Ex. No. 6

16 Records Search(es):

Date(s) of ARMS File Review 01/04/2008	Name of Reviewer(s) Vanessa Hughie	
Date(s) of NR/SR File Review	Name of Reviewer(s)	-
Date(s) of Other Agency File Review 01/04/2008	Name of Reviewer(s) Vanessa Hughie	Agency BLM

Findings: A review of the BLM and ARMS databases found LA125336 within 500 feet for purposes of reporting to the BLM.
 A review of the BLM and ARMS databases found LA125336, LA125339, LA125341, and LA125337 within 500 meters for purposes of reporting to the State.

17. Survey Data:

- a. Source Graphics NAD 27 NAD 83
 USGS 7.5' (1:24,000) topo map Other topo map, Scale:
 GPS Unit Accuracy <1.0m 1-10m 10-100m >100m

b. USGS 7.5' Topographic Map Name USGS Quad Code

DIAMOND MOUND, NM (1951)	32104-H2

c. County(ies): Eddy

17. Survey Data (continued):

- d. Nearest City or Town: Artesia, NM
 e. Legal Description:

Township (N/S)	Range (E/W)	Section	¼	¼	¼
16S	28E	11	SW	SW	
16S	28E	10	SE	SE, SW	SE,
16S	28E	15	NW	NE, NE	NW, NW,

Projected legal description? Yes No Unplatted

f. Other Description (e.g. well pad footages, mile markers, plats, land grant name, etc.): 430' FSL X 430' FWL

18. Survey Field Methods:

- Intensity: 100% coverage <100% coverage
 Configuration: block survey units linear survey units (l x w): Access road Total 5190.7 [BLM 4190.7] [State 1000']
 other survey units (specify):
 Scope: non-selective (all sites recorded) selective/thematic (selected sites recorded)
 Coverage Method: systematic pedestrian coverage other method (describe)
 Survey Interval (m): 15 Crew Size: 1 Fieldwork Dates: 01/11/2008
 Survey Person Hours: 6 Recording Person Hours: 0 Total Hours: 6
 Additional Narrative:

<p>19. Environmental Setting (NRCS soil designation; vegetative community; elevation; etc.): Topography: low hills within a copice dune field Vegetative community: Mesquite, yucca, sage, thistle, and various other desert grasses and forbes NRCS: Simona-Pajarito association: Sandy, deep soils and soils that are shallow to caliche; from wind-worked deposits Elevation: 3570'</p>	
<p>20. a. Percent Ground Visibility: 90% b. Condition of Survey Area (grazed, bladed, undisturbed, etc.): grazed</p>	
<p>21. CULTURAL RESOURCE FINDINGS <input type="checkbox"/> Yes, See Page 3 <input checked="" type="checkbox"/> No, Discuss Why: Unknown</p>	
<p>22. Required Attachments (check all appropriate boxes): <input checked="" type="checkbox"/> USGS 7.5 Topographic Map with sites, isolates, and survey area clearly drawn <input checked="" type="checkbox"/> Copy of NMCRIS Mapserver Map Check <input type="checkbox"/> LA Site Forms - new sites (<i>with sketch map & topographic map</i>) <input type="checkbox"/> LA Site Forms (update) - previously recorded & un-relocated sites (<i>first 2 pages minimum</i>) <input type="checkbox"/> Historic Cultural Property Inventory Forms <input type="checkbox"/> List and Description of Isolates, if applicable <input type="checkbox"/> List and Description of Collections, if applicable</p>	<p>23. Other Attachments: <input type="checkbox"/> Photographs and Log <input type="checkbox"/> Other Attachments (Describe):</p>
<p>24. I certify the information provided above is correct and accurate and meets all applicable agency standards. Principal Investigator/Responsible Archaeologist: Jeffrey Pangburn Signature:  Date: 01/11/2008 Title (if not PI): Field Supervisor</p>	
<p>25. Reviewing Agency: Reviewer's Name/Date: Accepted () Rejected () Tribal Consultation (if applicable): <input type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>26. SHPO Reviewer's Name/Date: HPD Log #: SHPO File Location: Date sent to ARMS:</p>

CULTURAL RESOURCE FINDINGS

(fill in appropriate section(s))

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SURVEY RESULTS:

Sites discovered and registered: 0
 Sites discovered and NOT registered: 0
 Previously recorded sites revisited (*site update form required*): 0
 Previously recorded sites not relocated (*site update form required*): 0
 TOTAL SITES VISITED: 00
 Total isolates recorded: 0 Non-selective isolate recording?
 Total structures recorded (*new and previously recorded, including acequias*): 0

MANAGEMENT SUMMARY: Archaeological clearance for the proposed Blackhawk "11" Federal well #1 pad and associated access road for COG Operating L.L.C is recommended as the project is currently delineated. If cultural materials are encountered at any time all work should cease and a representative of the BLM-CFO cultural resource management team contacted immediately.

IF REPORT IS NEGATIVE YOU ARE DONE AT THIS POINT.

SURVEY LA NUMBER LOG

Sites Discovered:

LA No.	Field/Agency No.	Eligible? (Y/N, applicable criteria)

Previously recorded revisited sites:

LA No.	Field/Agency No.	Eligible? (Y/N, applicable criteria)

MONITORING LA NUMBER LOG (*site form required*)

Sites Discovered (*site form required*): Previously recorded sites (*Site update form required*):

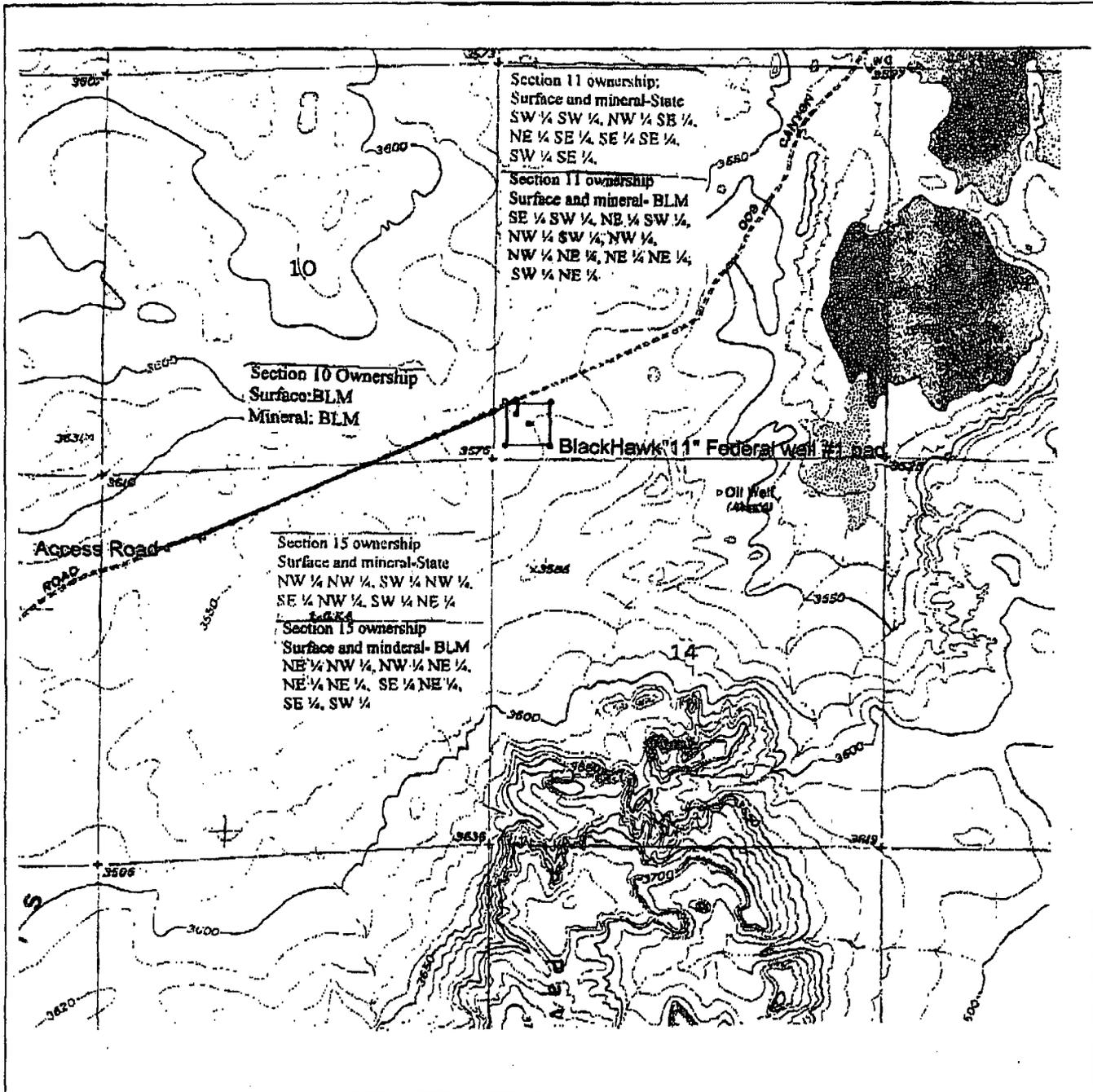
LA No.	Field/Agency No.	LA No.	Field/Agency No.

Areas outside known nearby site boundaries monitored? Yes , No If no explain why:

TESTING & EXCAVATION LA NUMBER LOG (*site form required*)

Tested LA number(s)	Excavated LA number(s)

Project Map BAS 11-07-33



A location map for the proposed Blackhawk "11" Federal well #1 pad and associated access road for C.O.G. Operating L.L.C. The project is located in Section 11, 10, and 15; T 16S, R 28E: NMPM, Eddy County, New Mexico.

Map Reference: ESRS 1.5' Series; DIAMOND MOUND, NM (1951) 32104-H2

SCALE 1:24000

