

ARCHAEOLOGICAL SURVEY CONSULTANTS
P.O. Box 2285
Roswell, New Mexico 88202-2285
Phone: 505-623-5012

Crow Flat 20 Fed.
Well No. 4 and
Access Road R/W

James Linville
Devon SFS Operating, Inc.,
20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102-8260.

ASC Job 01-137

Date: 5/23/2002

Dear Mr. Linville:

Enclosed please find ASC Report 01-137, covering the archaeological survey of the Crow Flat 20 Federal Well No. 4 and Access Road R/W.

Some 15 isolated artifacts occur within the project area; the finds are not significant past the level of field recording. In addition, five (5) archaeological sites, all conforming to BLM Category 2 (significant) criteria, occurred within the staked access road R/W.

The access road was extensively re-routed to avoid the sites. Therefore, archaeological CLEARANCE for the Crow Flat 20 Federal Well No. 4 and re-routed Access Road R/W has been RECOMMENDED, with the following provisos:

Access road construction activity should be restricted to the centreline of the re-routed & re-staked access road. An area 50 ft. square within the extreme NW quadrant of the staked well pad should be excluded from all construction and vehicular activity.

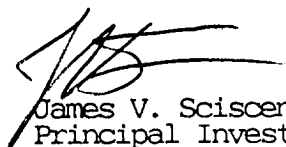
A fence barricade should be installed to exclude the 50 ft. square in the extreme NW quadrant of the well pad, prior to all construction activity. An archaeological monitor should occur during access road construction activity, and fence barricade erection.

Copies of the report, with our recommendations, have been distributed as per the list on the title page, and you need not concern yourself with distribution to those agencies.

Also enclosed please find ASC Invoice 01-137 for performance of the survey, access road re-staking, site recording, etc.

We are pleased to have been of service with this project, and hope to assist you in the future. Should you have questions concerning the project, please call our office.

Sincerely,



James V. Sciscoenti
Principal Investigator

enclosure: report (1); invoice (1)

cc: ASC File 01-137 (1)

ARCHAEOLOGICAL SURVEY of the DEVON SFS OPERATING, INC.
CROW FLAT 20 FEDERAL WELL NO. 4 & ACCESS ROAD R/W
T16S, R28E, SECTION 20 (NW $\frac{1}{4}$ SE $\frac{1}{4}$)
[1330 FSL, 1330 FEL]. EDDY COUNTY, NEW MEXICO

FEDERAL LAND SURFACE
(U.S.G.S. 7.5 minute series, DIAMOND MOUND, NEW MEXICO, 1951)

ASC Report 01-137 (NMCRIS NO. 78969)

by Dorothy M. Griffiths, Project Archaeologist
and James V. Sciscenti, Principal Investigator

ARCHAEOLOGICAL SURVEY CONSULTANTS
P.O. Box 2285, Roswell, New Mexico 88202-2285
[505] 623-5012

BUREAU of LAND MANAGEMENT PERMIT NO.: 18-2920-01-S

May 8, 2002

Prepared for:

Devon SFS Operating, Inc.,
20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102-8260.

Attention: James Linville

Distribution:

— Devon SFS Operating, Inc., (1)
BLM - Carlsbad Field Office (2)
Griffiths (1)

TITLE PAGE/ABSTRACT/NEGATIVE PROJECT REPORT FORM

CARLSBAD FIELD OFFICE

BLM/CFO

1. BLM Report #	2. (ACCEPTED) (REJECTED)	3. NMCRIS #: 78969
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4. Report Title:
ARCHAEOLOGICAL SURVEY of the DEVON SFS OPERATING, INC., CROW FLAT 20 FEDERAL WELL NO. 4 & ACCESS ROAD R/W. T16S, R28E, SECTION 20, NW $\frac{1}{4}$ SE $\frac{1}{4}$ [1330 FSL, 1330 FEL]. EDDY COUNTY, N.M.

5. Fieldwork Date(s): 10/13/2001; 12/19/2001; 4/30/2002; 5/01/2002; 5/04/2002; 5/05/2002; 5/07/2002

6. Report Date: 5/08/2002

7. Consultant Name & Address:
ARCHAEOLOGICAL SURVEY CONSULTANTS
P.O. Box 2285, Roswell, New Mexico 88202-2285. Phone: 505-623-5012.

Principal Investigator: D.M. Griffiths and/or J.V. Sciscenti
Project Archaeologist: D.M. Griffiths; J.V. Sciscenti
Field Personnel: D.M. Griffiths; J.V. Sciscenti

8. CONSULTANT PERMIT #: 18-2920-01-S 9. Consultant Report No.: ASC Report 01-137

10. Sponsor Name, Address, & Phone Number:
Individual Responsible: James Linville
DEVON SFS OPERATING, INC.; 20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102-8260. Phone: 405-235-3611

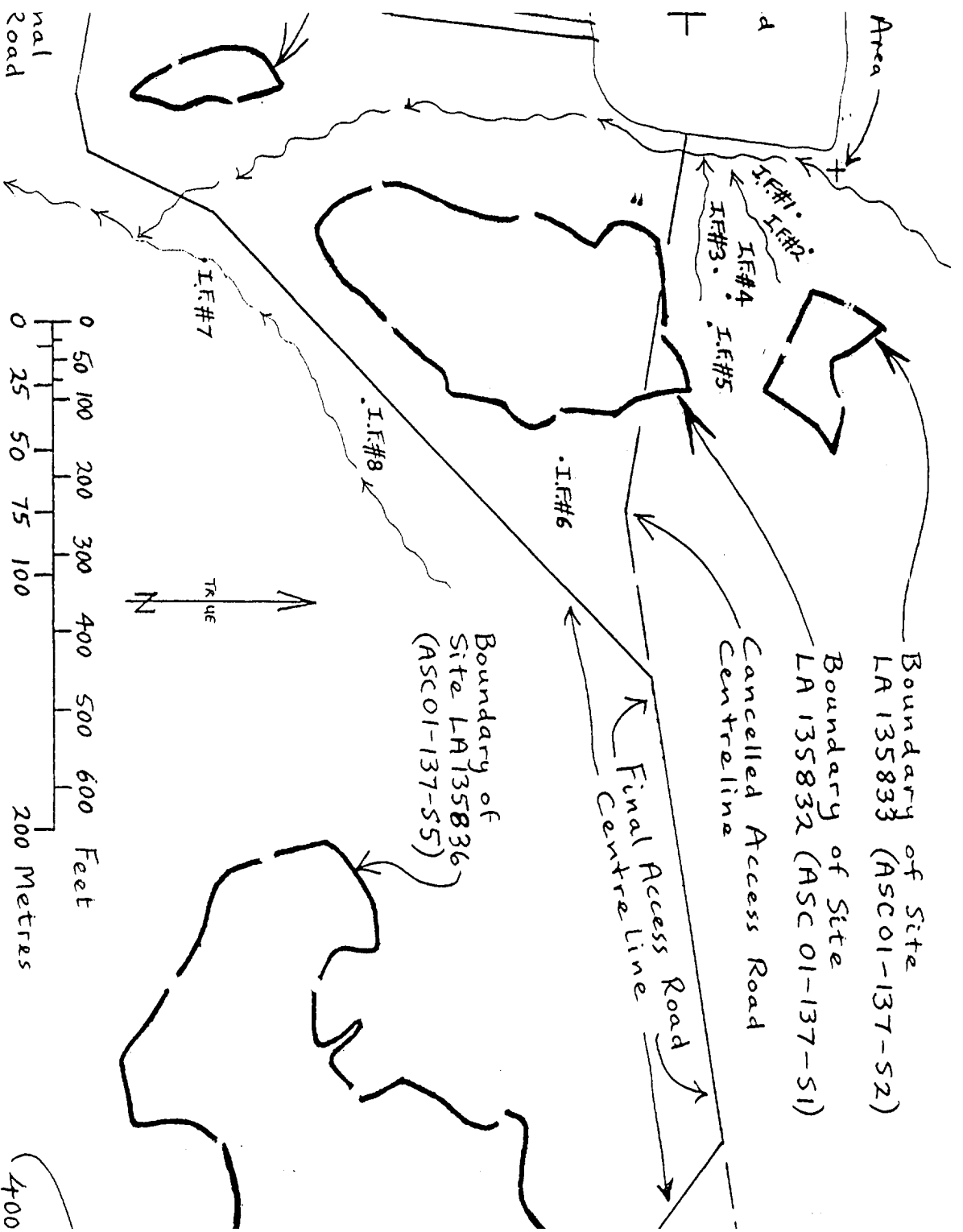
11. For BLM Use Only:

12. ACREAGE: Total Acres Surveyed: 13.30
Surface Ownership by Acres: Federal: 13.30 State: 0 Private: 0

13. Location: a. State: New Mexico b. County: Eddy
c. BLM Field Office: Carlsbad d. Nearest Town: Loco Hills
e. Project (Well Pad) Location: T16S, R28E, Section 20, NW $\frac{1}{4}$ SE $\frac{1}{4}$ [1330 FSL, 1330 FEL].
Final Access Road R/W Location: T16S, R28E, Section 20 (SE $\frac{1}{4}$ SW $\frac{1}{4}$; NE $\frac{1}{4}$ SW $\frac{1}{4}$; NW $\frac{1}{4}$ SE $\frac{1}{4}$).
f. Map Name(s): U.S.G.S. 7.5 minute series, DIAMOND MOUND, NEW MEXICO, 1951 [32104-H2].
g. Impacted Block Area: 300 ft. square \pm (see A.P.D. on file BLM for pad area granted)
Surveyed Block Area: 400 ft. ft. square, 3.67 acres.
Linear Impact Area: access road R/W (2710 ft. long x 35 ft. wide).
Surveyed Linear Impact Area: final access road R/W (2710 ft. long x 100 ft. wide, with a 150 ft. square delta, 6.39 acres); and cancelled access road R/W (1412 ft. long x 100 ft. wide, 3.24 acres).

14 a. Records Search: ARMS & BLM records (Sciscenti, 9/25/2001; 4/25/2002; Boone 9/27/2001; 4/25/2002) do not indicate the prior recording of sites within 0.25 miles of the project area.

14 b. Description of Undertaking: archaeological survey of a well pad (400 ft. square, 3.67 acres); final access road R/W (2710 ft. long x 100 ft. wide, with a 150 ft. square delta, 6.39 acres); and cancelled access road R/W (1412 ft. long x 100 ft. wide, 3.24 acres). A total federal land surface of 13.30 acres, was inspected for cultural remains.



S. Unit utilizing
American Datum.
05/2002; 5/07/2002.

Site: LA 135832 (ASC 01-137-S1)
T16S, R28E, Section 20 (SE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$). Eddy County, New Mexico
JVS/DWG, 5/04/2002; 5/05/2002.

Site: LA 135833 (ASC 01-137-S2)
T16S, R28E, Section 20 (NE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$). Eddy County, New Mexico
JVS/DWG, 4/30/2002.

Site: LA 135834 (ASC 01-137-S3)
T16S, R28E, Section 20 (SE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$; NE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$). Eddy Co., N.M.
JVS/DWG, 5/05/2002.

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TITLE PAGE/ABSTRACT/NEGATIVE PROJECT REPORT FORM (continued):

BLM/CFO

- 14 c. **Environmental Setting:** situated ca. 0.6 miles west of Crow Flat, and ca. 0.4 miles SSW of Henderson Lake, between 200 ft. and 500 ft. north of a WSW trending tributary of Dog Canyon Draw. The project is within the Dog Canyon drainage system. The proposed well pad is on the spine and slopes of a NNE trending ridge, with the southern part of the SW $\frac{1}{4}$ and SE $\frac{1}{4}$ of the well pad within the main drainageway. The access road is on the spine and slopes of a main ridge system north of the Dog Canyon tributary; parts of the access road (both initially staked and finally staked) are within draws trending SSW towards the main drainageway. Ridge terrain is marked by limestone outcrops, the occurrence of quartzite cobbles and gravels (with minor amounts of chert and rare chalcedony gravels), and shallow soils. Drainageways have some depth of sandy loam soils. Soils: access & west side of pad in Largo stony loam complex; east side of pad in Simona sandy loam. Vegetation: Chihuahua Desert Scrub. Surface Visibility: ca. 60% to 80%, averaging ca. 70%.
- d. **Field Methods:** straight and zig-zag transects, spaced ca. 15 metres apart, with dogleash transects in the vicinity of artifacts. Work Hrs. on Ground: Ca. 73.0. Crew Size: 2. Artifacts Collected: 0.

15. **Cultural Resource Findings:** archaeological survey revealed the occurrence of 15 Isolated Finds, none of which appear significant past the level of field recording.

In addition, archaeological survey of the Devon SFS Operating, Inc., Crow Flat 20 Federal Well No. 4 Access Road R/W revealed the occurrence of 5 probable prehistoric, BLM Category 2 archaeological sites, situated on the spine and adjacent slopes of ridges (LA 135832, LA 135833, LA 135834, LA 135835, & LA 135836). The sites are within areas of high visibility, with a background of minimal shallow soils and limestone bed-rock outcrops; three of the sites (LA 135832, LA 135835, & LA 135836) are within areas with quartzite gravels, and minimal chert and chalcedony gravel deposits.

16. **Management Summary & Recommendations:** the access road was extensively re-routed to avoid LA 135832, LA 135835, & LA 135836. Therefore, archaeological CLEARANCE for the Devon SFS Operating, Inc., Crow Flat 20 Federal Well No. 4 and re-routed Access Road R/W is RECOMMENDED, with the following provisos.

Access road construction activity should be restricted to the centreline of the re-routed & re-staked access road. An area 50 ft. square within the extreme NW quadrant of the staked well pad should be excluded from all construction and vehicular activity.

A fence barricade should be installed to exclude the 50 ft. square area in the extreme NW quadrant of the well pad, prior to all construction activity.

An archaeological monitor should occur during access road construction activity, and fence barricade erection.

I certify that the information provided above is correct and accurate, and meets all applicable BLM standards.

Project Archaeologist

D. M. Griffiths

Principal Investigator

