Form 3160-5 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED					
OMB No 1004-0137					
Expires, July 31, 2010					

5 Lease Serial No. NMNM-088909

6. If Indian, Allottee or Tribe Name

Do not use this fo	OTICES AND REPO form for proposals t Use Form 3160-3 (A	6. If Indian, Allottee N/A	6. If Indian, Allottee or Tribe Name N/A		
	IN TRIPLICATE - Other			11 LI	reement, Name and/or No.
l Type of Well ☐ Oil Well ☐ Gas W	'ell Other	77 77	AUG 24 201	N/A 8 Well Name and N NM Federal 8 FC	
2. Name of Operator XTO Energy Inc.			AUU	9. API Well No.	
3a. Address		3b Phone No. (inčl	ūde area code), Mar	Of 103 Field and Pool of	r Exploratory Area
382 CR 3100, Aztec, NM 878410		505-333-31003ur	eau of Land Ivial	Basin Fruitland Co	pal
4. Location of Well (Footage, Sec., T., I 1060 FSL/1890 FWL, Section 8-130N-R12W	R., M., or Survey Description,)		11. Country or Paris San Juan County,	•
12. CHEC	K THE APPROPRIATE BO	X(ES) TO INDICAT	E NATURE OF NO	TICE, REPORT OR OT	HER DATA
TYPE OF SUBMISSION			TYPE OF A	CTION	
✓ Notice of Intent	Acidize Alter Casing	Deepen Fracture Ti		roduction (Start/Resume)	☐ Water Shut-Off ☐ Well Integrity
Subsequent Report	Casing Repair	New Const		ecomplete	Other Install Cathodic
Subsequent Report	Change Plans	Plug and A	bandon T	emporarily Abandon	Protection(Cables Pole,
Final Abandonment Notice	Convert to Injection	Plug Back	□ v	ater Disposal	Surface Anode Bed)
determined that the site is ready for XTO Energy Inc. requests approval pipeline from corrosion. This well an The attached plat shows the proposition install new rectifier at existing ove 2) install 179.4 feet of cathodic cable 3) install ground bed (3' deep) on w 4) install 656.77 feet of cathodic cab Distance applied for (656.77) is to gradoes not need cathodic protection. All proposed facilities are on previous	to install cathodic protection dissociated pipeline was all as follows: surhead power source locate to NM Federal 8 FC #2 vest side of well site (existing along existing pipeline of the existing steel pipeline of the	acquired from Pog ed on SW corner o vell casing ng disturbance) gro corridor (one Willian e installed by Pogo.	o Producing and do f well pad und bed is approxi ns pipeline and one The existing pipeli	mately 70 feet in lengtle XTO pipeline). Install	protection installed at this time. h, and cable is 81.7 feet in length 18' deep. Ive Can as shown on plat is poly and
will be installed to the well casing an All disturbance required for installat	d the associated steel pip	eline.	·	·	73793031-1234563 A ECEIVED
14. I hereby certify that the foregoing is to Paul Lehrman	ue and correct. Name (Printed	-	e Sr. Land Coordir	nator	CCLSOSEL 81 L/3/24
Signature		Date	. 8-	-23-11	ट्टेंग ⁵⁰⁵⁸¹⁸¹ एंगर
	THIS SPACE	FOR FEDERA	L OR STATE O	FFICE USE	
Approved by Mask / Conditions of approval, if any, are attached	Clly Approval of this notice does	s not warrant or certify	Title ENVI	RONMENTAL NCE TEAM LEAD	Date 8-29-11
that the applicant holds legal or equitable to		ct lease which would		NCE TEAM LEAD	J

Title 18 U S C Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

Dykeman Roebuck Archaeology



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www.drarchaeology.com

August 17, 2011

Paul Lehrman XTO Energy 382 Road 3100 Aztec, NM 87410

Re: Negative Report, Project DRA116026; New Mexico Federal 8 FC 2 Cathodic Protection Line Cultural Resource Survey for XTO Energy, Inc., San Juan County, New Mexico

Dear Mr. Lehrman,

Enclosed is a copy of the archaeological report for the XTO Energy, Inc.'s New Mexico Federal 8 FC 2 cathodic protection line cultural resource survey located on lands administered by Bureau of Land Management, Farmington Field Office (BLM-FFO) in San Juan County, New Mexico.

No cultural resources were found in the project area. We recommend archaeological approval for the proposed cathodic protection project.

We have submitted the report to the BLM-FFO. Your business is much appreciated. Please get in touch with me if you have any questions about this project.

Sincerely.

Paul Roebuck, Ph.D., Archaeologist Dykeman Roebuck Archaeology, LLC 333 E. Main

Farmington, NM 87401

720.206.6385

NMCRIS INVESTIGATION ABSTRACT FORM (NIAF)

1. NMCRIS Activity	2a. Lead (Sponsorin	na)	2b. Other Permitting		3. Lead Agency Report			
No.: 121602	Agency: BLM, Farm	oring) -			No.:			
4. Title of Report: New	5. Type of Report							
Survey for XTO Energy, I								
Author(s): Douglas D								
6. Investigation Type								
Research Design	Survey/Inventory	☐ Test Ex			ections/Non-Field Study			
Overview/Lit Review	☐ Monitoring	☐Ethnogr	aphic study Site specific vis]Other			
construct a cathodic prote	7. Description of Undertaking (what does the project entail?): XTO Energy, Inc. proposes to construct a cathodic protection system to serve the Federal 8 FC 2 well. The system 8. Dates of Investigation: July 1 2011							
			om an existing "Valve Can" to cathodic bed location, and a	9. Re	eport Date: August 17, 2011			
			ction line is positioned in a	0	Port Dato. Adgust 11, 2011			
			oad to the Federal 8 FC 2 well.					
			ccur on or adjacent to the New					
Mexico Federal 8 FC 2 w			e line. Disturbance in the area					
of potential effect, including								
10. Performing Agency	<u> </u>			11. P	erforming			
	or: Paul Roebuck, Ph.D				cy/Consultant Report No.:			
Field Supervisor: D	ouglas D. Dykeman			DRA1	16026-1			
Field Personnel Na	mes: Julia Chavez and \	∕ictoria Yazz	ie	12. A	pplicable Cultural Resource			
					it No(s):			
				223-2	920-09-D			
13. Client/Customer: X				14. C	lient/Customer Project No.:			
Contact: Paul Lehrm				n/a				
Address: 382 Road Phone: (505) 333-31	3100, Aztec, New Mexic	o 87410						
<u> </u>				<u> </u>				
15. Land Ownership St	atus (<u>Must</u> be indicated o	on project ma						
Land Owner				Acres i	n APE			
Federal, BLM-FFO			4.95	0.46 ¹				
calculated using ma	ap geometry							
16. Records Search(es): Results of the records	searches ar	e presented in Appendix B.					
	Date(s) of ARMS File Review 6/17/11 Name of Reviewer(s) Douglas Dykeman							
Date(s) of NR/SR File I Date(s) of Other Agen			of Reviewer(s) Douglas Dykema of Reviewer(s) Victoria Yazzie	an	Agency BLM-FFO			
Date(s) of Other Agen	cy File Neview 770/11	Name	or neviewer(s) victoria Tazzie		Agency Bein-110			
17. Survey Data:								
a. Source Graphics								
□ USGS 7.5' (1:24,000) topo map □ Other topo map, Scale:								
	•		-		1~100m			
⊠ GPS Unit Accuracy								
b. USGS 7.5' Topographic Map Name USGS Quad Code								
Farmington North, NI	M	36108-G2						
Flora Vista, NM		36108-G1						
c. County(ies):San Juan	ו				1			

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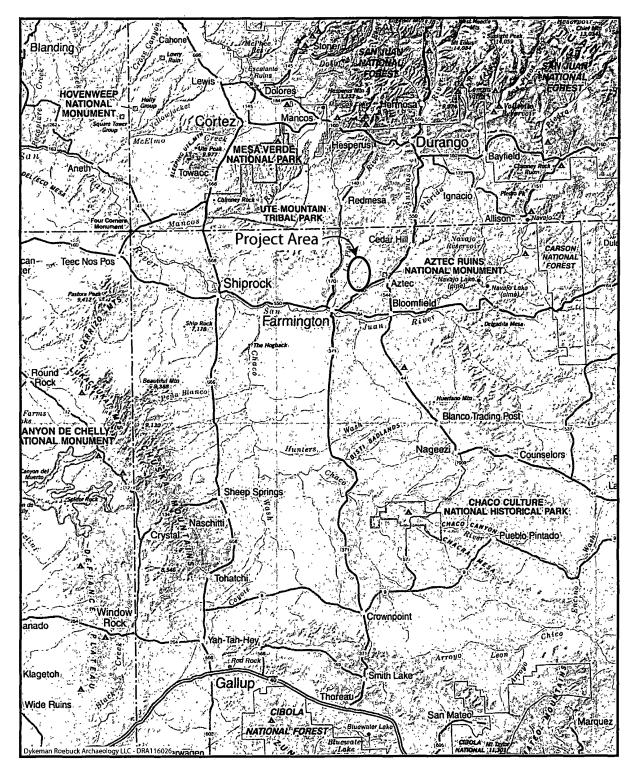
17. Survey Data (continued):							
d. Nearest City or	Town: Farmington, N	lew Mexico					
e. Legal Descript	ion:						
	Township (N/S)	Range (E/W)	Section*	1/4	1/4	1/4	
	30 N	12 W	8	NE	SW	SW	
	30 N	12 W	8	NW	SE	SW	
	30 N	12 W	8	SE	NW	SW	
	* Template anchored	d on SW corner	and west section lir	ie			
Projected legal de	scription? Yes [], I	No [X] (Inplatted []				
	on (e.g. well pad foot	ages, mile ma	rkers, plats, land g	rant name, etc.):	·	
18. Survey Field Methods: Intensity:							
facilities. Given the age of the previous work and some uncertainty about previous coverage, DRA conducted a complete archaeological survey of the proposed cathodic lines. The centerlines of the proposed cathodic protection lines were marked with orange flagging tape on existing gas well facilities and on vegetation growing in the existing pipeline ROW. DRA personnel performed a systematic, pedestrian survey of a 200 ft wide corridor centered on the proposed cathodic protection lines. The pedestrian survey entailed walking parallel transects with intervals not exceeding 15 m, adjusting the transect interval down for variations in surface visibility. This class 3 survey is an intensive field inventory: a continuous, intensive survey of an entire target area, aimed at locating and recording all archaeological properties that have surface indications, by walking close-interval parallel transects until the area has been thoroughly examined. Field conditions ranged from warm and sunny to hot and cloudy.							
19. Environmental Setting (NRCS soil designation; vegetative community; elevation; etc.): The project is located on the southeastern slope of Hood Mesa. Sediment consists of aeolian sand. Episodes of sheet wash and rill wash are transporting sediments downslope to the southeast. The vegetation community is an open piñon-juniper woodland with an overstory of piñon and juniper trees, and an understory of sagebrush, snakeweed, rabbitbrush, Russian thistle, cheatgrass, Indian ricegrass, and cactus. The elevation of the project area ranges from 5855-5880 ft.							
20.a. Percent Ground Visibility: 90% b. Condition of Survey Area (grazed, bladed, undisturbed, etc.): The area is used primarily for energy development and recreational vehicles. An existing pipeline parallels the proposed cathodic protection line. Woodcutting activities are evident in the woodland. Some modern trash from gas field and recreational uses has accumulated along the roads.							
21. CULTURAL RESOURCE FINDINGS ☐ Yes, See Page 3 ☐ No, Discuss Why:							
22. Required Attachments (check all appropriate boxes): ☐ USGS 7.5 Topographic Map with sites, isolates, and survey area clearly drawn ☐ Copy of NMCRIS Mapserver Map Check ☐ LA Site Forms - new sites (with sketch map & topographic map) ☐ LA Site Forms (update) - previously recorded & un-relocated sites (first 2 pages minimum) ☐ Historic Cultural Property Inventory Forms ☐ List and Description of isolates, if applicable ☐ List and Description of Collections, if applicable					tographs and Log er Attachments		
24. I certify the information provided above is correct and accurate and meets all applicable agency standards.							
Principal Investigator/Responsible Archaeologist: Paul Roebuck, Ph.D.							
	016) , .					
Signature Date: August 17, 2011 Title (if not PI):							
25. Reviewing Agency: Reviewer's Name/Date 26. SHPO Reviewer's Name/Date:							
Accepted ()	Accepted () Rejected () HPD Log #: SHPO File Location:						
Tribal Consultation (if applicable): Yes No Date sent to ARMS:							

NIAF Version 1 7 25 06

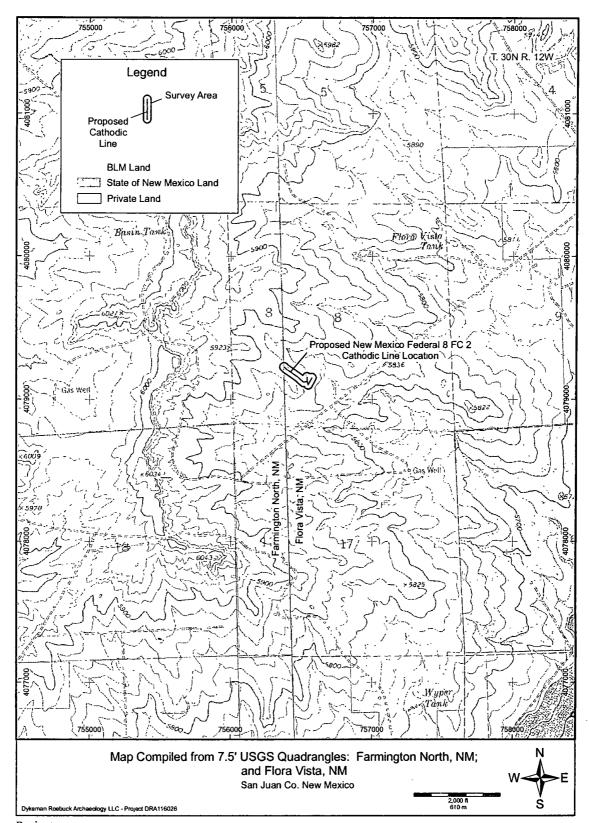
CULTURAL RESOURCE FINDINGS

[fill in appropriate section(s)]

1. NMCRIS Activity No.: 121602	2. Lead (Sponsor	ing) Agency	: BLM, Farmington Field Office	3. Lead Agency Report No.:			
SURVEY RESULTS: No cult	ural resources were	encountered	during the survey.				
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: 0 Total isolates recorded: 0 Non-selective isolate recording?							
MANAGEMENT SUMMAI cultural resources were enco		ds cultural re	sources approval for the project as	s currently proposed since no			
SURVEY LA NUMBER LOG		S NEGATIVE '	YOU ARE DONE AT THIS POINT.				
Sites Discovered:							
LA No.	LA No. Field/Agency No. Eligible? (Y/N, applicable criteria)						
Previously recorded revisited sites:							
LA No. Field/Agency No. Eligible? (Y/N, applicable criteria)							
		<u> </u>					
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)							
			1000				

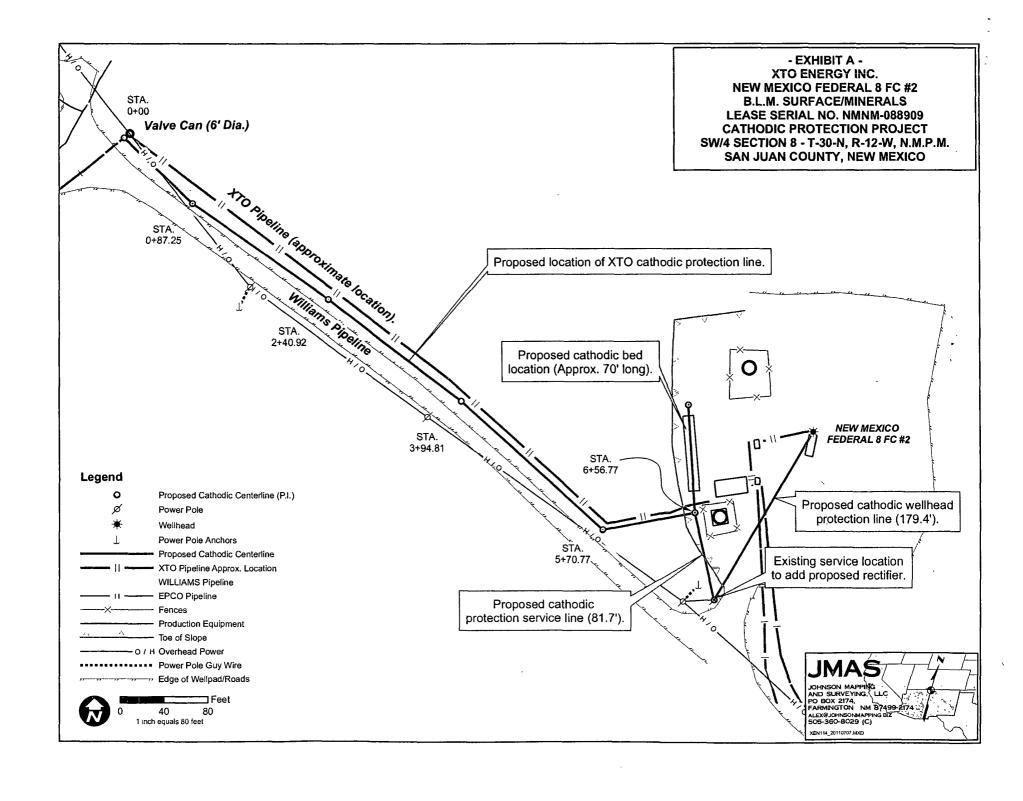


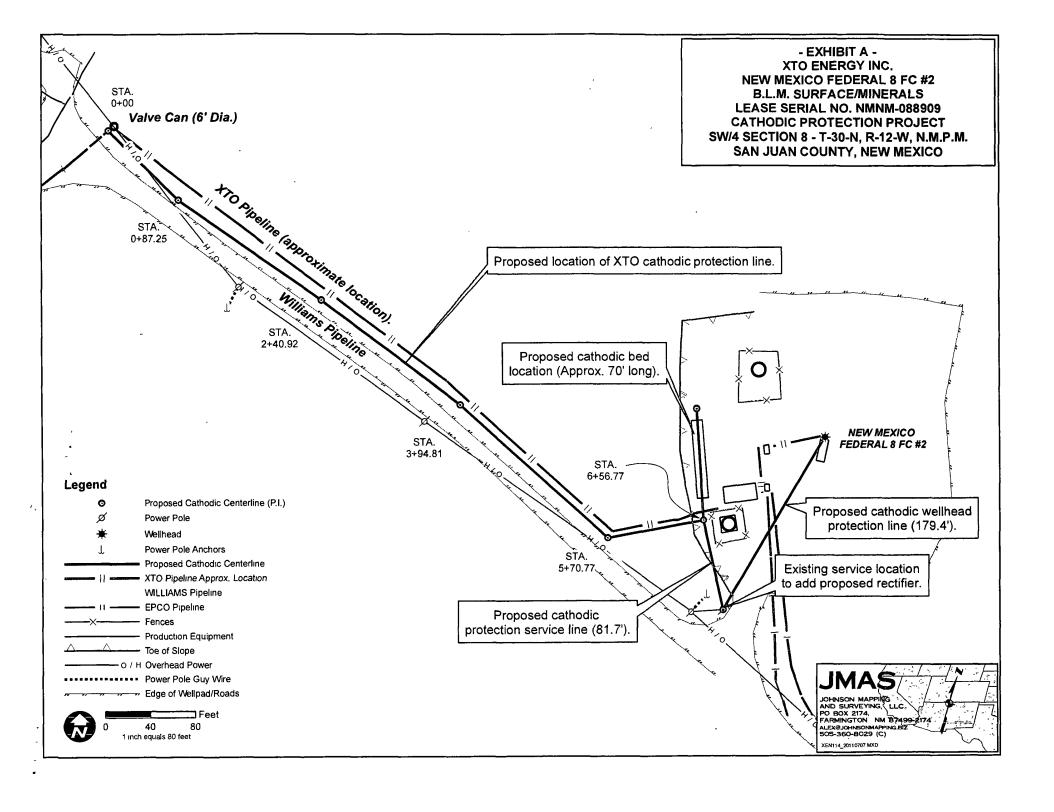
General vicinity map.

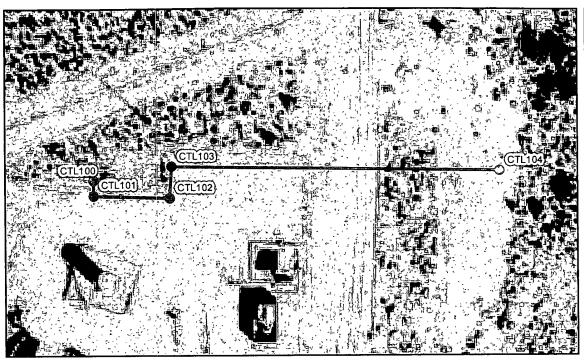


Project area map.

Appendix A Plat Maps



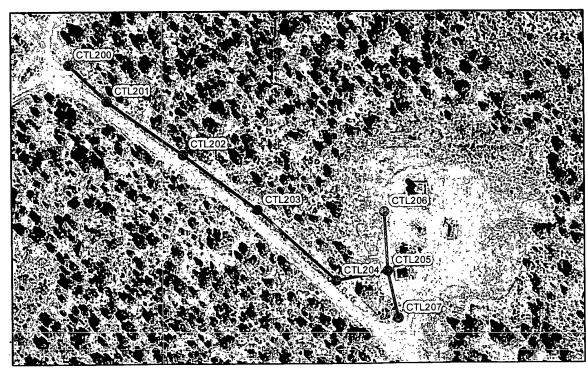




XTO ENERGY INC.
NEW MEXICO FEDERAL N #5
B.L.M. SURFACE/MINERALS
LEASE SERIAL NO. NMNM-0000047
CATHODIC PROTECTION PROJECT
SW/4 SECTION 7 - T-30-N, R-12-W,
N.M.P.M.

Feet 0 30 60 120 1 inch equals 60 feet





XTO ENERGY INC.
NEW MEXICO FEDERAL 8 FC #2
B.L.M. SURFACE/MINERALS
LEASE SERIAL NO. NMNM-088909
CATHODIC PROTECTION PROJECT
SW/4 SECTION 8 - T-30-N, R-12-W,
N.M.P.M.



