



BP Exploration (Alaska) Inc.
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Anchorage, AK 99519-6612
Direct 907 561 5111

April 21, 2010

Mr. Jeffery Walker, Regional Supervisor, Field Operations
Minerals Management Service
3801 Centerpoint Dr., Suite 500
Anchorage, AK 99503

Liberty Development
Geomagnetic Observations

Dear Mr. Walker:

BP Exploration (Alaska) Inc. (BPXA) proposes to use Sperry Drilling and CGGVeritas to conduct geomagnetic observations in support of the planned Liberty Ultra Extended Reach Drilling (uERD) well. Activities will commence following authorization and will be complete by mid May.

In support of this request, attached are the following:

- Project Description;
- Figure 1 & 2;

Activities include the use of two tracked tuckers with trailers. As shown in the enclosed figures the offshore activities will extend into a portion of the OCS lease Y1650.

As of April 5, 2010 we officially requested an amendment to the Liberty Letter of Authorization (LOA) 10-03 from United States Fish and Wildlife Service (USFWS). We expect to have the LOA amended based on conversations with Craig Perham at USFWS. Please contact Craig Perham if you have any further questions or concerns regarding the LOA at 786-3810 or Craig_Perham@fws.gov.

If you have any questions regarding this submittal or require additional information, please contact Erika Denman at (907) 564-5911.

Sincerely,

Katherine Hughes
Permitting Compliance Advisor

Attachments

On Ice Magnetic Measurements on the Liberty Field Project Description / Plan of Operations

1.0 Introduction

BP Exploration (Alaska) Inc. (BPXA) proposes to use Sperry Drilling and CGGVeritas to conduct geomagnetic observations in support of the planned Liberty Ultra Extended Reach Drilling (uERD) well. The survey area and travel corridor is provided in the attached Figures 1 & 2.

Project Description

Geomagnetic observations will be conducted from several points over the proposed Liberty well-bore area on the sea ice (approximated in Figure 2 and within the area identified in Figure 1). The points will be selected based on sea-ice conditions, magnetic interference, distance from previous point and local conditions. Five data points are proposed; however data at additional points within the area identified may be collected to meet the required criteria.

The work would be supported and accessed off of the Endicott Satellite Drilling Island (SDI) Crews will use trucks on existing gravel roads/pads and work from Tuckers pulling trailers on snow/ice. The Tuckers are equipped with a Tiger-Nav survey system, survival packs and emergency equipment and communications.

Ice thickness will be checked along the travel route for safety by auguring holes through the ice. Each observation station will be identified with GPS. The surveyor will establish temporary base stations on the Satellite Drilling Island (SDI) and/or on the sea ice for survey control.

If the area is determined to be clear of artificial magnetic corruption an observation station would be setup to collect data during the day. At the end of the day observation equipment would be left overnight to collect additional data. During observations vehicles will be parked approximately 400' from the observation station to prevent magnetic interference. All observations are passive and collected through the type of equipment described below.

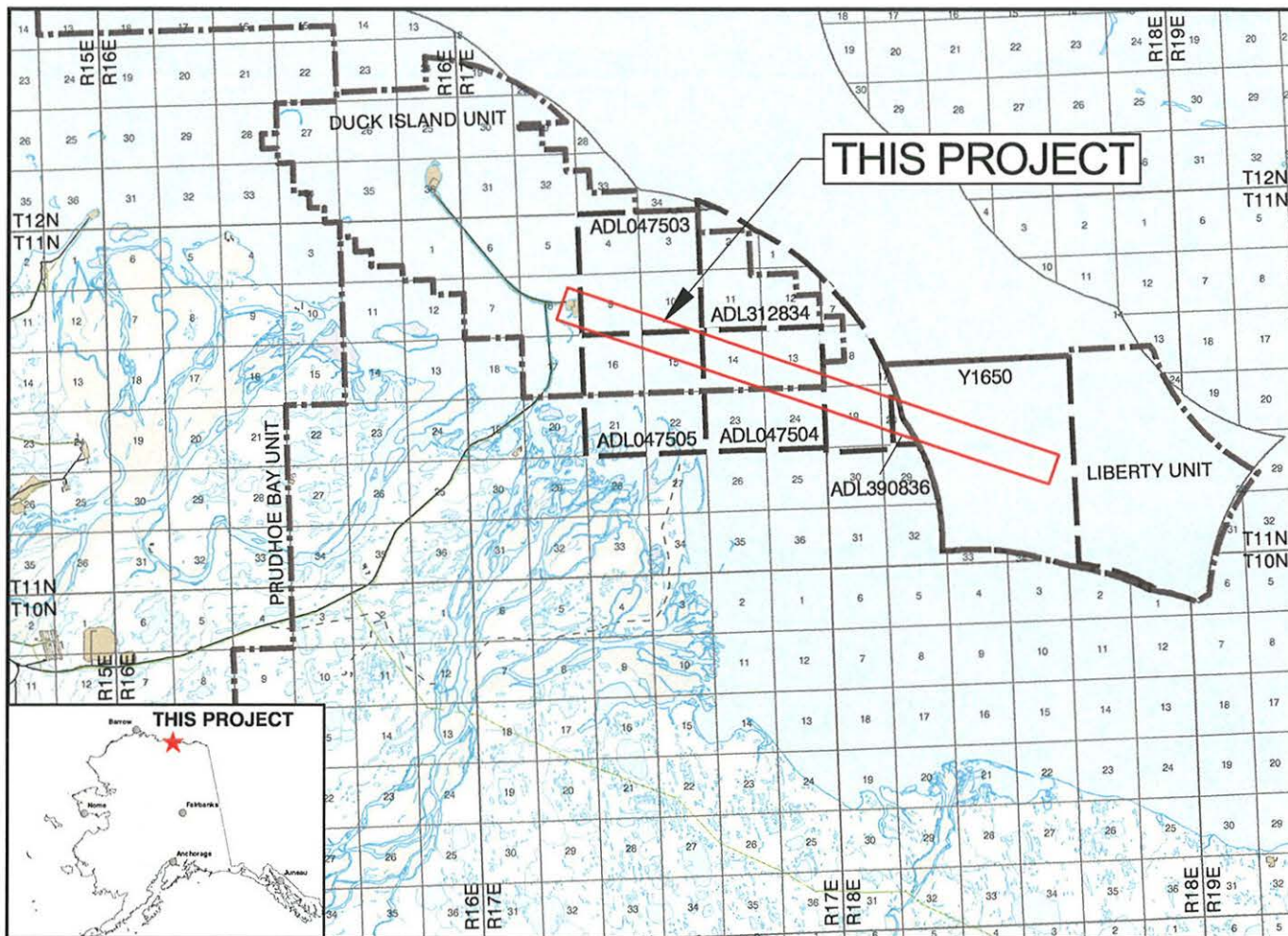
Equipment used for the magnetic observation includes a non-magnetic portable observation hut (enclosure to protect equipment), theodolites, magnetometer equipment, gyros, data acquisition system, and survey base stations.

A small portable diesel generator with secondary containment and 400 feet of extension cord will be used to provide light in the observation hut and will be returned to the SDI at night with the crew. The light is necessary to sight a geographic reference point with the theodolite.

Personnel will be housed at existing facilities at Endicott or in Deadhorse. During the project the Tuckers and generator will be refueled and staged overnight at Endicott. Any solid waste generated during the operations will be managed using existing facilities.

2.3 Schedule

The project is scheduled to begin upon receipt of permits (April 2010) and should be complete by mid May.



This map is based on U.S.G.S quad Beechey Point (B-1, B-2) and on the Unit Operator's Facility Maps.



PROJECT LOCATION:

DUCK ISLAND UNIT - SDI

NAD83

LAT. = 70° 19' 18.786"

LONG. = -147° 51' 56.266"

ALASKA STATE PLANE ZONE 4, NAD83

X = 1,903,616.63 FEET

Y = 5,971,775.36 FEET

SEC. 9-10, 13-15, 24 T11N, R17E UMIAT M.

SEC. 19-20 T11N, R18E UMIAT M.

ADL # 047503, 047504, 047505, 390836, 312834, Y1650

DATUM: MEAN SEA LEVEL

PURPOSE: GEOMAGNETIC SURVEY

ADJACENT PROPERTY OWNER: STATE OF ALASKA

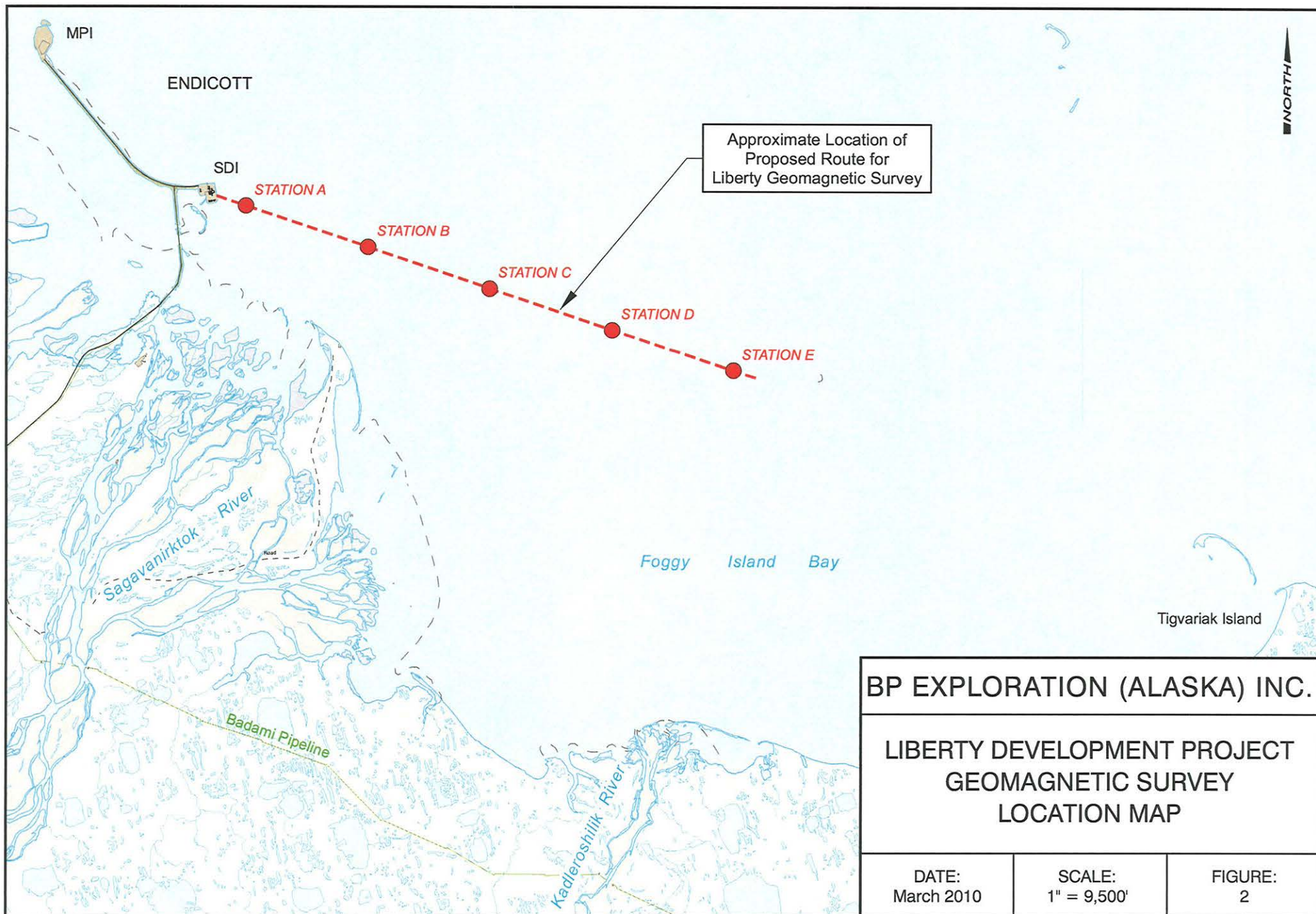
BP EXPLORATION (ALASKA) INC.

**LIBERTY DEVELOPMENT PROJECT
GEOMAGNETIC SURVEY
VICINITY MAP**

DATE:
March 2010

SCALE:
1" = 3 Miles

FIGURE:
1



BP EXPLORATION (ALASKA) INC.		
LIBERTY DEVELOPMENT PROJECT GEOMAGNETIC SURVEY LOCATION MAP		
DATE: March 2010	SCALE: 1" = 9,500'	FIGURE: 2