

September 1, 2009



25 Years of Excellence!

Gentlemen:

Vector Seismic Data Processing is pleased to present the following proposal for a regional 2D 3-component High Resolution non-exclusive seismic program in Burke, Mountrail, Ward, McLean, and Mercer Counties ND as shown on the attached map and more fully described below. The survey is designed to identify the edge of the thermal maturity boundary and tie key wells in the prolific Bakken play in the Williston Basin in North Dakota.

Background and Plan

In November 2008, Vector acquired and processed a regional experimental multi-fold 2D seismic line that tied the dry Behm Energy Edwards 1-33H well east of Parshall Field with productive wells in the Parshall and Sanish Fields. This line, released in January 2009, is shown as a solid line on the attached map.

The line was recorded as a dual source 3-component profile and experimentally processed to determine if natural fractures in the Middle Bakken can be qualitatively imaged from surface seismic data and if better production sweet spots could be quantitatively linked to the seismic image.

Based on positive results from this 2008 program, Vector Seismic proposes to add additional data points to this grid that will allow operators to extend successes outside the core areas of Parshall and Sanish Field. The proposed program extends the coverage of the 2008 project north and south of the fields as well as ties with Stanley Field to the north as shown on the attached map and described below. Line locations are approximate and subject to modification based on access and permit contingencies and consensus of the Original Participants.

Data Specifications

Program Size335 mi. (approx)
Group Interval82.5 ft.
Source Interval330 ft.
Spread19,923.75-206.25-X-206.25-19,923.75

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Source Type.....Dynamite 2kg. @ 40 ft.
Geophones.....3-component Aries MC 10Hz. or equivalent
Number of Channels.....480
Nominal Fold..... 6,000%
Bin Spacing.....41.25 ft.
Record Length.....6.0 sec @ 1 ms.
Timing:.....January 2010

Costs and Subscription

The Bakken Edge 2D/3-component seismic program is available for initial subscription (Original Participation) on a per mile basis with a minimum subscription of one complete line according to the following schedule:

From One Line to 50 miles (by Complete Line) \$11,900/mile

For a commitment of 50 miles or more (Complete Lines only), the Original Participation cost will vary by Number of overlapped Original Participants per line as follows:

<u>Number of Original Participants</u>	<u>Cost per Mile/Participant</u>
1 Original Participant	\$11,900/mile
2 Original Participants	6,500/mile
3 or more Original Participants	5,000/mile

Original Participants will receive the data simultaneously by line as processing is completed, and will enjoy a 90-day exclusive access to the data prior to it being offered for general license.

Timing and Payment

Vector anticipates acquisition of this program will begin in January 2010 with acquisition requiring about 2 months. Original Participation is open until March 1, 2010. Processing will proceed on a line-by-line basis and be released to Original Participants as completed.

Original Participants will be invoiced as follows:

- 40% of the full subscription upon commitment
- 50% of the full subscription upon completion of the field acquisition
- Pro-rata per mile balance as each line is released

Terms of payment will be net 15 days upon receipt of invoice. A late charge of 1.5% per month will be assessed on all past due amounts. Data will be released only to Original Participants who are current in payments.

This letter represents our working agreement, unless otherwise stated here or by a written amendment

If this proposal meets with your approval, please so indicate by your signature in the space provided below and return one copy of this Agreement to me. A formal License will be forwarded upon receipt of this executed Agreement. Please call me if you have any questions.

Sincerely,



Scott Stockton/Executive Vice President
 Vector Seismic Data Processing, Inc.
 1801 Broadway, Suite 1150
 Denver, CO 80202
 (303) 446-5723
sstockton@vector-seismic.com

Line	Mileage (approx.)	Miles Licensed	Cost/Mile	Line Cost	Counties
Line 1	71 miles		\$ 11,900	\$ 844,900	Mountrail, McLean
Line 2	37 miles		\$ 11,900	\$ 440,300	Burke, Mountrail
Line 3	38 miles		\$ 11,900	\$ 452,200	Mountrail, Ward
Line 4	37 miles		\$ 11,900	\$ 440,300	Mountrail, Ward
Line 5	39 miles		\$ 11,900	\$ 464,100	Mountrail, Ward
Line 6	23 miles		\$ 11,900	\$ 273,700	Mountrail
Line 7	20 miles		\$ 11,900	\$ 238,000	Mountrail, Ward
Line 8	20 miles		\$ 11,900	\$ 238,000	McLean, Mountrail, Ward
Line 9	19 miles		\$ 11,900	\$ 226,100	McLean
Line 10	16 miles		\$ 11,900	\$ 190,400	McLean
Line 11	15 miles		\$ 11,900	\$ 178,500	McLean
TOTAL	335 miles				

Vector Seismic Data Processing, Inc.
Bakken Edge 2D/3-component Seismic Survey
Original Participation Commitment

_____ hereby commits to become an Original Participant in the *Vector Bakken Edge 2D/3C Survey* as described above and as highlighted on the attached map. Our Original Participation commitment is for approximately _____ total miles of program at \$_____/per mile. We understand that if our commitment exceeds 50 miles, that this price per mile is a *maximum* turnkey cost and that should there be other Original Participants according to the License Agreement, our cost per mile will be reduced accordingly.

Specifically, our commitment includes the following lines: _____.

As an Original Participant, we will have ninety (90) days exclusive access to each line from the data of its delivery. Each line will be delivered as it is processed to all Original Participants simultaneously.

We agree to pay for this Original Participation as follows:

40% upon Commitment
50% upon completion of Field Acquisition
10% upon delivery of Processed Data

Terms of payment are Net 15 days.

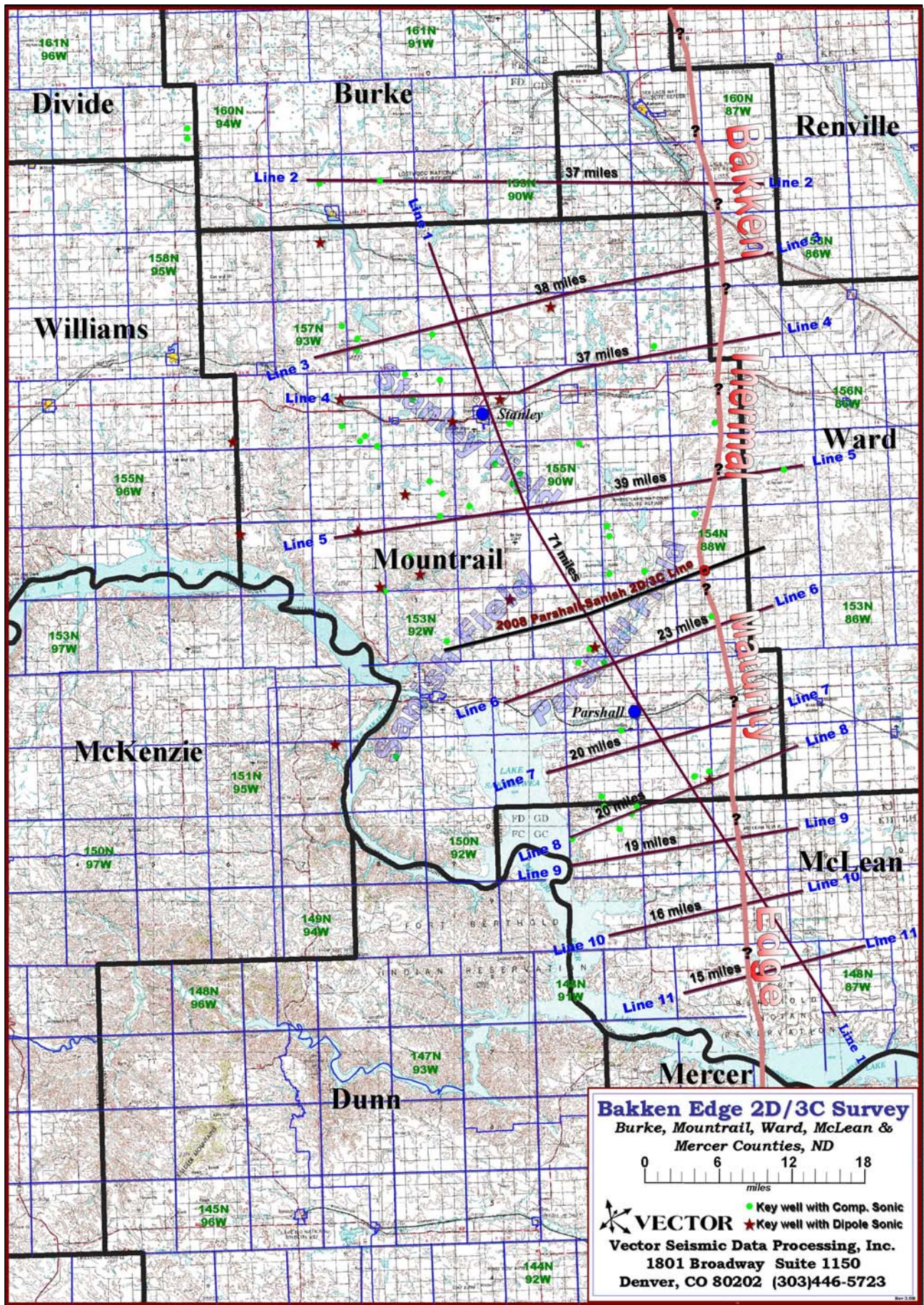
A formal License Agreement will be forwarded to you upon receipt of this Original Participation Commitment.

Signed: _____

Title: _____

Company: _____

Date: _____



Divide

Burke

Renville

Williams

Mountrail

Ward

Mckenzie

McLean

Dunn

Mercer

Line 2

Line 2

Line 1

Line 3

38 miles

37 miles

Line 3

Line 4

Line 4

Line 5

Line 5

39 miles

71 miles

23 miles

Line 6

Line 6

Line 7

Line 7

Line 8

Line 8

20 miles

20 miles

19 miles

Line 9

Line 9

Line 9

18 miles

15 miles

Line 10

Line 10

Line 10

Line 11

Line 11

Line 11

2008 Parshall-Savish 2D/3C Line

Bakken

Merina

Maturity

Edge

Stanley

Parshall

INDIAN RESERVATION

PORT BERTHOLD

FD GD
FC GC

144N 92W

148N 96W

149N 94W

149N 92W

150N 97W

151N 95W

153N 97W

155N 96W

157N 93W

158N 95W

160N 94W

161N 96W

161N 91W

160N 87W

156N 86W

156N 88W

153N 86W

148N 87W

144N 92W