SEISMIC COMPLETION REPORT

INDUSTRIAL COMMISSION OF NORTH DAKOTA
OIL AND GAS DIVISION
600 EAST BOULEVARD DEPT 405
BISMARCK, ND 58505-0840
SFN 51456 (03-2005)

Permit No.	
97-0177	
Shot Hole Operations	*Non-Explosive Operations
AS PER DRILL REPORT	**VIBROSEIS**

SECTION 1

Geophysical Contractor	
DAWSON GEOPHYSICAL COMPANY	
Project Name and Number	County(s)
Marmon PH11 3-D	**WILLIAMS**
Township(s)	Range(s)
156, 157, 158	**100, 101**
Drilling and Plugging Contractors	
ERICKSON CONTRACT SURVEYING	
Date Commenced	Date Completed
December 28, 2009	**March 11, 2010**

SECTION 2

First S.P. #	Last S.P. #
8466-1194	**8641-1142**

Loaded Holes (Undetonated Shot Points)

N/A ALL SHOTS WERE SUCCESSFUL

S.P.#'s												
Charge Size												
Depth												

Reasons Holes Were Not Shot

SECTION 3

Flowing Holes and/or Blowouts

S.P.#'s **PLEASE SEE ATTACHMENTS**

Procedure for Plugging Flowing Holes and/or Blowouts

ALL BLOWOUTS WERE MINOR AND THE HOLE PLUGS DID NOT BLOW OUT. CUTTINGS AND BENTONITE WERE SHOVELED BACK IN THE HOLES IMMEDIATELY AFTER SHOT.

Include a 7.5 minute USGS topographic quadrangle map or a computer generated post-plot facsimile of the approximate scale displaying each individual shot hole, SP #, line #, and legal location.

***Non-Explosive Operations - Complete Section 1 and Affidavit.**

MAR 2010
RECEIVED
ND OIL & GAS
DIVISION

AFFIDAVIT OF COMPLETION (GEOPHYSICAL CONTRACTOR)

STATE OF **North Dakota**)

)

COUNTY OF **Williams**)

Before me, Mike Granger, a Notary Public in and for the said County and State, this day personally appeared **MIKE GRANGER** who being first duly sworn, deposes and says that (s)he is employed by **DAWSON GEOPHYSICAL COMPANY**, that (s)he has read North Dakota Century Code Section 38-08.1, that the foregoing seismic project has been completed in accordance with North Dakota Administrative Code Rule 43-02-12 and that the statements on the reverse side of this document are true.

Mike Granger
Geophysical Contractor Representative

Subscribed in my presence and sworn before me this 12th day of March, 2010.

ELAINE M FIXEN
Notary Public
State of North Dakota
My Commission Expires February 19, 2016

Notary Public

My Commission Expires 2-19-2016

AFFIDAVIT OF PLUGGING (HOLE PLUGGER)

INDUSTRIAL COMMISSION OF NORTH DAKOTA
OIL AND GAS DIVISION
600 EAST BOULEVARD DEPT 405
BISMARCK, ND 58505-0840
SFN 51457 (03-2005)

RECEIVED
JAN 2010
ND OIL & GAS DIVISION

970177
~~971051~~

MARMON 3-D

PERMIT NUMBER: 6E0-106

AFFIDAVIT OF PLUGGING (HOLE PLUGGER)

STATE OF **Montana**)
)
COUNTY OF **Richland**)

Before me, Lori M Chesfield a Notary Public in and for the said County and State, this day personally appeared Trent Peterson who being first duly sworn, deposes and says that (s)he is employed by **Erickson contract surveying**, that (s)he has read North Dakota Century Code Section 38-08.1 and that the foregoing seismic project has been plugged in accordance with North Dakota Administrative Code Rule 43-02-12 and that the statements on the attached documents are true.

Hole Plugger Representative

Subscribed in my presence and sworn before me this 18 day of January, 2010.

Notary Public Lori M. Chesfield

My Commission Expires 8-12-2011

SUNDRY NOTICE

INDUSTRIAL COMMISSION OF NORTH DAKOTA
OIL AND GAS DIVISION
600 EAST BOULEVARD DEPT 405
BISMARCK, ND 58505-0840
SFN 51458 (03-2003)

PERMIT # **97-0177**

Project Name
Marmon Phasell 3D

County
Williams County

Supplemental Information
Need to change shot hole patterns, from one hole source point to a 3 hole or 5 hole pattern per source point.

Company: **Dawson Geophysical Company L.L.C.**		
Address: **6855 South Havana, Ste 560**		
City: **Centennial**	State: **CO**	Zip Code: **80112**
By: **Zane Zirschky**	Date: **December 20, 2009**	
Title: **Project Manager**	Telephone Number: **432-413-3199**	

FOR OFFICE USE ONLY

Date Received	1/15/2010
By	
Title	RICHARD A. SUGGS Engineering Technician

SUNDRY NOTICE

INDUSTRIAL COMMISSION OF NORTH DAKOTA
OIL AND GAS DIVISION
600 EAST BOULEVARD DEPT 405
BISMARCK, ND 58505-0840
SFN 51458 (03-2003)

PERMIT # **97-0177**

Project Name
Marmon Phasell 3D

County
Williams County

Supplemental Information
The project boundries are the same. Need to amend permit to both Non-explosive and shot hole(explosive.)
Shot holes will be done along the Little Muddy Creek.

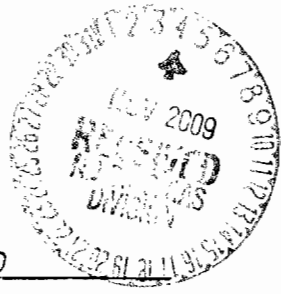
Company: **Dawson Geophysical Company L.L.C.**		
Address: **6855 South Havana, Ste 560**		
City: **Centennial**	State: **CO**	Zip Code: **80112**
By: **Zane Zirschky**	Date: **December 20, 2009**	
Title: **Project Manager**	Telephone Number: **432-413-3199**	

FOR OFFICE USE ONLY

Date Received	12/29/09
By	
Title	Mineral Resources Permit Manager

#970177 COPY

WILLIAMS COUNTY GEOPHYSICAL EXPLORATION PERMIT



№ 119

Fee Received $100.00

Name of Authorized Agent Zane Zirschy

Company Name Dawson Geophysical Company

Address 6855 South Havana, Ste 560
Centennial, CO

Phone 432-413-3199

Notice of intention to engage in geophysical exploration has been duly filed, number 753

A surety bond in the amount of $50,000, Bond No. B005272, has been filed by the above named company.

Surety Company U.S. Specialty Company

Address 9841 Airport Blvd., 9th Floor
Los Angeles, CA 90045

This permit shall be valid and effective for all geophysical crews of the permittee for a one-year period in which it is issued.

This permit or a photostatic copy thereof shall be carried at all times by a member of the crew during the period of geophysical exploration and shall be exhibited upon demand of the landowner or tenant operator or county or state official or respective surface owner.

Dated this Oct. day of 30, 19 2009.

(SEAL)

AUDITOR WILLIAMS COUNTY
WILLIAMS
Seal
COUNTY

Williams County Auditor

Chairman Board of County Comm.

WILLIAMS COUNTY
APPLICATION FOR PERMIT
TO ENGAGE IN SEISMOGRAPH ACTIVITY
(OR AMMENDMENT TO APPLICATION)
NDCC 38-08.1-04

PAGE 753

FEE $3.00

SEISMOGRAPH COMPANY:
Name Dawson Geophysical Company
Address
Phone 432-413-3199

LOCAL REPRESENTATIVE:
Name Mike Granger
Phone 231-920-5988

SUB-CONTRACTORS (drilling, plugging, etc.):
Name N/A
Address
Phone

RESIDENT AGENT FOR SERVICE OF PROCESS:
Name
Address

LOCATION OF SEISMOGRAPH ACTIVITY:

TOWNSHIP	RANGE	SECTIONS
SEE Attached page		

(SEE ATTACHED MAPS)

DATE EXPLORATION TO BEGIN Nov. 20th 2009
NUMBER OF DRILL HOLES (if any) N/A
DEPTH OF DRILL HOLES (if any) N/A

CERTIFICATE FROM INDUSTRIAL COMMISSION INDICATING
SURETY BOND ON FILE X yes ____ no

STATE OF NORTH DAKOTA }
COUNTY OF WILLIAMS } ss

I hereby certify that the within APPLICATION (or Ammendment)
FOR PERMIT TO ENGAGE IN SEISMOGRAPH ACTIVITY was filed in
this office for record on the 3rd day of November, 2009

Williams County Auditor

Brenda Reuching
Deputy Auditor

Location of Seismograph Activity:

Township, Range, Sections:

158N, 99W, Sec: 7, 18, 19, 30, 31
158N, 100W, Sec: ALL
158N, 101W, Sec: 10-15, 22-27, 34-35

157N, 99W, Sec: 16-19, 30,31
157N, 100W, Sec: ALL
157N, 101W, Sec: 1-3, 10-15, 22-27, 34-36

156N, 100W, Sec: 3-6
156N, 101W, Sec: 1-6

GEOPHYSICAL EXPLORATION PERMIT

INDUSTRIAL COMMISSION OF NORTH DAKOTA
OIL AND GAS DIVISION
600 EAST BOULEVARD DEPT 405
BISMARCK, ND 58505-0840
SFN 51459 (02-2008)

1) a. Company	Address	
Dawson Geophysical Company	**6855 South Havana, Ste. 560, Centennial, CO 80112**	
Contact	Telephone	Fax
Zane Zirschky	**432-413-3199**	
Surety Company	Bond Amount	Bond Number
U.S. Specialty Insurance Company	**50,000**	**B005272**
2) a. Subcontractor(s)	Address	Telephone
b. Subcontractor(s)	Address	Telephone
c. Subcontractor(s)	Address	Telephone
3) Party Manager	Address (local)	Telephone (local)
Ron Sanberg	**6855 South Havana, Ste. 560**	**432-684-3000**

4) Project Name or Line Numbers

Marmon 3D PH II

5) Exploration Method (Shot Hole, Non-Explosive, 2D, 3D, Other)

3D non-explosive

6) Approximate Start Date	Approximate Completion Date
November 10, 2009	**April 30, 2010**

THE COMMISSION MUST BE NOTIFIED AT LEAST 24 HOURS IN ADVANCE OF COMMENCEMENT OF DRILL/PLUG OPERATIONS

7) Location of Proposed Project - County

Williams

Section(s), Township(s) & Range(s)	Section	T.	R.
	7-12, 13-36	158	100
	1-36	157	100
	3-6	156	100
	1-6	156	101

8) Size of Hole	Amt of Charge	Depth	Source points per sq. mi.	No. of sq. mi.	9) Must supply latitudes and longitudes of post-plot source and receiver points on an SD card.
3-D			116	107	
Size of Hole	Amt of Charge	Depth	Source points per ln. mi.	No. of ln. mi.	
2-D					

10) Anticipated special drilling and plugging procedures?

11) Enclose a pre-plot map with proposed location of seismic program lines and powder mag.

Signed	Title	Date
	Contract Permit Agent	11-3-2009

(This space for State office use)

Permit No. 97 0177	Approval Date 11/12/09	Conditions of Approval if any
Approved by		See Attached letter
Title Mineral Resources Permit Manager		
County Approval Sent Williams		

Additional Sections, Townships, and Ranges

10

Sections	Township	Range
10-15	158	101
22-27	158	101
34-36	158	101
1-3	157	101
10-15	157	101
22-27	157	101
34-36	157	101
1-6	156	101
7, 18, 19, 30, 31	158	99
6, 7, 18, 19, 30, 31	157	99

Oil and Gas Division

Lynn D. Helms - Director Bruce E. Hicks - Assistant Director

Department of Mineral Resources

Lynn D. Helms - Director

North Dakota Industrial Commission

www.oilgas.nd.gov

November 12, 2009

Mr. Zane Zirschky
Dawson Geophysical Company
6855 South Havana
Ste. 560
Centennial, CO 80112

RE: Marmon PHII 3-D
Geophysical Exploration Permit #97-0177
Williams County

Dear Mr. Zirschky:

Please be advised that we are in receipt of your Geophysical Exploration permit application and it is conditionally approved; effective for one year from November 12, 2009. Review the following conditions for your permit:

1. A pre-program meeting with state seismic inspector Tom Torstenson may be required. You must contact him at 701-290-1546 (cell) or 701-227-7436 at least 24 hours prior to any exploration operations.
2. All variances for distance restrictions are to be furnished, and a pre-plot map displaying any source points that do not comply with the distance restriction rule must be supplied to the inspector.
3. The following information must be submitted within 30 days of the completion of the project by the Geophysical Company:
    a. Completion Report,
    b. Completion Affidavit,
    c. Post Plot Map. It must show all water wells, buildings, underground cisterns, pipelines, and flowing springs that fall within the program area and within one half mile of the perimeter of the program.
    d. SD card or email: ttorstenson@nd.gov with all source and receiver points,
    e. Letter stating that the Geophysical Company has given all surface owner's a copy of the Section and Chapter of the NDCC as stated in paragraph 5.
4. The following information must be submitted within 30 days of the completion of the project by the SUBCONTRACTOR(s) (when applicable):
    a. Plugging Report
    b. Plugging Affidavit

5. It is required that within seven days of initial contact between the permitting agent and the operator of the land, the permitting agent shall provide the operator of the land and each landowner owning land within one-half mile of the land on which geophysical exploration activities are to be conducted a written copy of NDCC Section 38-08.1-04.1 (Exploration Permit) and NDCC Chapter 38-11.1 (Oil and Gas Production Damage Compensation). The permitting agent shall file an affidavit with this office confirming compliance with such notification. For your convenience, a copy of both Sections are enclosed.
6. The permit agent shall notify the operator of the land at least seven days before commencement of any geophysical exploration activity, unless waived by mutual agreement of both parties. The notice must include the approximate time schedule and the location of the planned activity.
7. Information regarding the location of water wells, springs, etc.; refer to the following ND State Water Commission Mapservice website, at: http://mapservice.swc.state.nd.us/
8. The entire permit can be viewed, as well as the status of various seismic projects in the state, at: https://www.dmr.nd.gov/oilgas/seismic/seismicstats.asp

Should you have any questions regarding this matter, feel free to contact me at 701-328-8020, or Tom Torstenson at the number listed in paragraph 1.

Sincerely,

Todd L. Holweger
Mineral Resources Permit Manager

Oil and Gas Division

Lynn D. Helms - Director Bruce E. Hicks - Assistant Director

Department of Mineral Resources

Lynn D. Helms - Director

North Dakota Industrial Commission

www.oilgas.nd.gov

November 12, 2009

The Honorable Beth Innis
Williams County Auditor
P.O. Box 2047
Williston, ND 58802-2047

RE: Geophysical Exploration
Permit #97-0177

Dear Ms. Innis:

Pursuant to Section 38-08.1-04.2 of the North Dakota Century Code, please be advised that Dawson Geophysical Company was issued the above captioned permit on November 12, 2009 and will remain in effect for a period of one year. The entire permit can be viewed on our website at: https://www.dmr.nd.gov/oilgas/seismic/seismicstats.asp

Should you have any questions, please contact our office.

Sincerely,

Todd L. Holweger
DMR Permit manager

PETRO-HUNT, L.L.C.
P.O. Box 935
400 East Broadway; Suite #514
Bismarck, ND 58502-0935
Phone: (701) 258-1557 FAX: (701) 258-1562
Toll Free: 888-224-8620

RE: Seismic Notice
Williams Co., ND

Dear Todd Holweger:

This letter is to give notice to the Industrial Commission of North Dakota Oil and Gas Division, that Petro-Hunt LLC (PHLLC) is planning a 3-D shoot located in Williams County, ND on the tracts noted on the attached permit. Also enclosed is a check for $100.00 as consideration for the permit fee. Please review our application at your earliest convenience and please do not hesitate to contact me with any questions, concerns or comments.

Sincerely,

Brett A. Hairston
Petroleum Landman