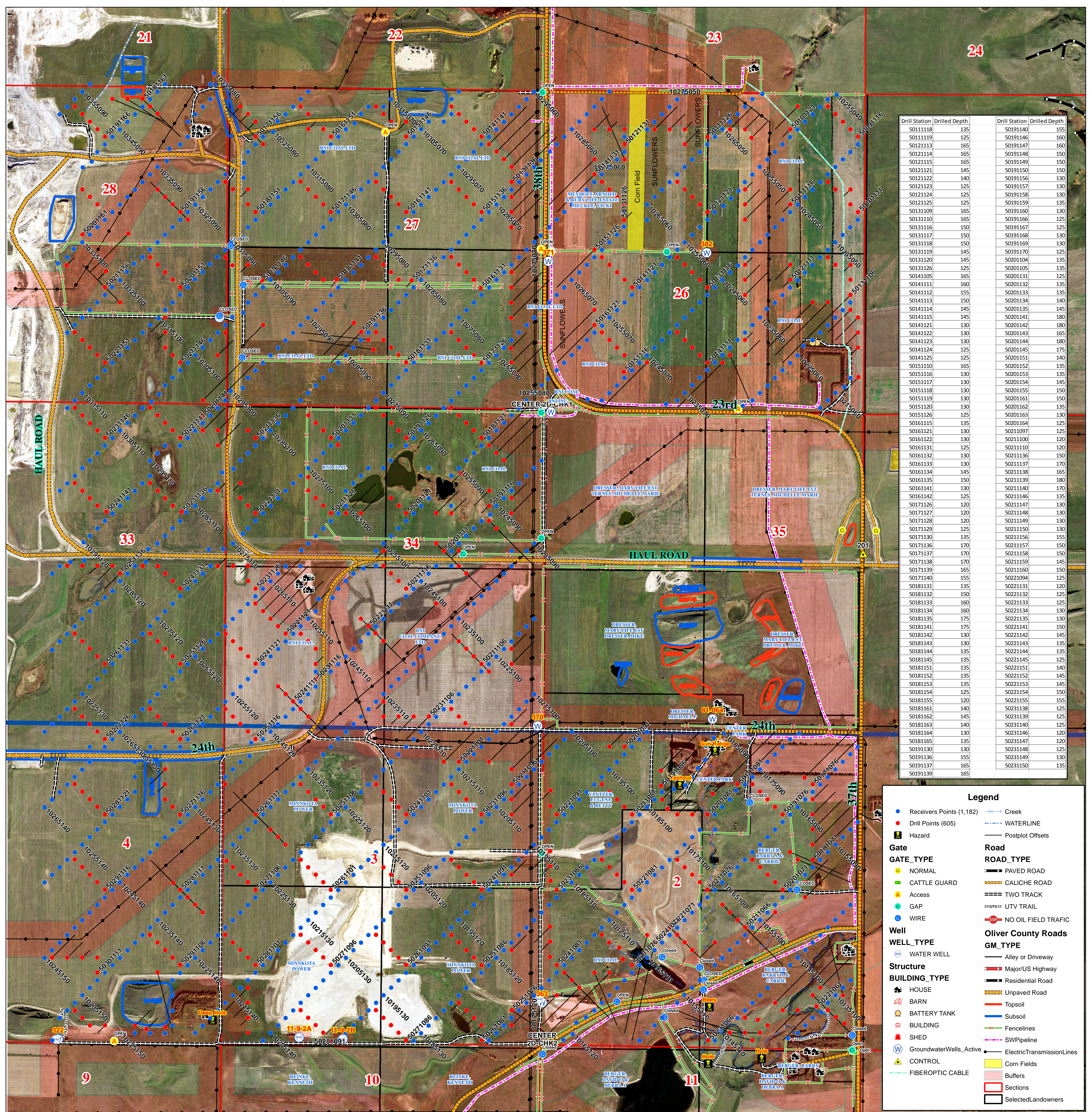


Drill Station	Drilled Depth	Drill Station	Drilled Depth
5011118	135	5019140	155
5011119	125	5019146	160
5012113	165	5019147	160
5012114	165	5019148	150
5012115	165	5019149	150
5012121	145	5019150	150
5012122	140	5019156	130
5012123	125	5019157	130
5012124	125	5019158	130
5012125	125	5019159	135
5013109	165	5019160	130
5013110	165	5019166	125
5013116	150	5019167	125
5013117	150	5019168	130
5013118	150	5019169	130
5013119	145	5019170	125
5013120	145	5020104	135
5013126	125	5020105	135
5014105	165	5020131	125
5014111	160	5020132	135
5014112	155	5020133	135
5014113	150	5020134	140
5014114	145	5020135	145
5014115	145	5020141	180
5014121	130	5020142	180
5014122	130	5020143	165
5014123	130	5020144	180
5014124	125	5020145	175
5014125	125	5020151	140
5015110	165	5020152	135
5015116	130	5020153	135
5015117	130	5020154	145
5015118	130	5020155	150
5015119	130	5020161	150
5015120	130	5020162	135
5015126	125	5020163	130
5016115	135	5020164	125
5016121	130	5021097	125
5016122	130	5021100	120
5016131	125	5021110	120
5016132	130	5021136	150
5016133	130	5021137	170
5016134	145	5021138	165
5016135	150	5021139	180
5016141	130	5021140	170
5016142	125	5021146	135
5017126	120	5021147	130
5017127	120	5021148	130
5017128	120	5021149	130
5017129	125	5021150	130
5017130	135	5021156	155
5017136	170	5021157	150
5017137	170	5021158	150
5017138	170	5021159	145
5017139	165	5021160	150
5017140	155	5022094	125
5018131	135	5022131	120
5018132	150	5022132	125
5018133	160	5022133	125
5018134	160	5022134	130
5018135	175	5022135	130
5018141	175	5022141	150
5018142	130	5022142	145
5018143	130	5022143	135
5018144	135	5022144	135
5018145	135	5022145	125
5018151	135	5022151	140
5018152	135	5022152	145
5018153	135	5022153	145
5018154	125	5022154	150
5018155	120	5022155	155
5018161	140	5023138	125
5018162	145	5023139	125
5018163	140	5023140	125
5018164	130	5023146	120
5018165	135	5023147	120
5019130	130	5023148	125
5019136	155	5023149	130
5019137	165	5023150	135
5019139	165		

Legend

- Receivers Points (1,182)
- Drill Points (605)
- Hazard
- GATE_TYPE: NORMAL, CATTLE GUARD, Access, GAP, WIRE
- Well WELL_TYPE: WATER WELL
- Structure BUILDING_TYPE: HOUSE, BARN, BATTERY TANK, BUILDING, SHED
- Groundwater/Wells_Active
- CONTROL
- FIBEROPTIC CABLE
- Creek
- WATERLINE
- Postplot Offsets
- Road ROAD_TYPE: PAVED ROAD, CALICHE ROAD, TWO TRACK, UTV TRAIL, NO OIL FIELD TRAFFIC
- Oliver County Roads GM_TYPE: Alley or Driveway, Major/US Highway, Unpaved Road, Topsoil, Subsoil
- Fencelines
- SWPipeline
- ElectricTransmissionLines
- Corn Fields
- Buffers
- Sections
- SelectedLandowners



Drill Station	Drilled Depth	Drill Station	Drilled Depth
5011118	135	5019140	155
5011119	125	5019146	160
5012113	165	5019147	160
5012114	165	5019148	150
5012115	165	5019149	150
5012121	145	5019150	150
5012122	140	5019156	130
5012123	125	5019157	130
5012124	125	5019158	130
5012125	125	5019159	135
5013109	165	5019160	130
5013110	165	5019166	125
5013116	150	5019167	125
5013117	150	5019168	130
5013118	150	5019169	130
5013119	145	5019170	125
5013120	145	5020104	135
5013126	125	5020105	135
5014105	165	5020131	125
5014111	160	5020132	135
5014112	155	5020133	135
5014113	150	5020134	140
5014114	145	5020135	145
5014115	145	5020141	180
5014121	130	5020142	180
5014122	130	5020143	165
5014123	130	5020144	180
5014124	125	5020145	175
5014125	125	5020151	140
5015110	165	5020152	135
5015116	130	5020153	135
5015117	130	5020154	145
5015118	130	5020155	150
5015119	130	5020161	150
5015120	130	5020162	135
5015126	125	5020163	130
5016115	135	5020164	125
5016121	130	5021097	125
5016122	130	5021100	120
5016131	125	5021110	120
5016132	130	5021136	150
5016133	130	5021137	170
5016134	145	5021138	165
5016135	150	5021139	180
5016141	130	5021140	170
5016142	125	5021146	135
5017126	120	5021147	130
5017127	120	5021148	130
5017128	120	5021149	130
5017129	125	5021150	130
5017130	135	5021156	155
5017136	170	5021157	150
5017137	170	5021158	150
5017138	170	5021159	145
5017139	165	5021160	150
5017140	155	5022094	125
5018131	135	5022131	120
5018132	150	5022132	125
5018133	160	5022133	125
5018134	160	5022134	130
5018135	175	5022135	130
5018141	175	5022141	150
5018142	130	5022142	145
5018143	130	5022143	135
5018144	135	5022144	135
5018145	135	5022145	125
5018151	135	5022151	140
5018152	135	5022152	145
5018153	135	5022153	145
5018154	125	5022154	150
5018155	120	5022155	155
5018161	140	5023138	125
5018162	145	5023139	125
5018163	140	5023140	125
5018164	130	5023146	120
5018165	135	5023147	120
5019130	130	5023148	125
5019136	155	5023149	130
5019137	165	5023150	135
5019139	165		

Legend

- Receivers Points (1,182)
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- GATE_TYPE: NORMAL, CATTLE GUARD, Access, GAP, WIRE
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- Topsoil
- Subsoil
- Fencelines
- SWPipeline
- ElectricTransmissionLines
- Corn Fields
- Buffers
- Sections
- SelectedLandowners



GEOPHYSICAL EXPLORATION COMPLETION REPORT - FORM GE 6A

INDUSTRIAL COMMISSION OF NORTH DAKOTA
OIL AND GAS DIVISION
600 EAST BOULEVARD DEPT 405
BISMARCK, ND 58505-0840
SFN 51458 (03-2011)

Received

NOV 26 2019

Permit No. 970293	
Shot Hole Operations Yes - 605 shot holes	*Non-Explosive Operations ND Oil & Gas Division

SECTION 1

Geophysical Contractor SAExploration Seismic Services (US), LLC	
Project Name and Number Center 3D	County(s) Oliver
Township(s) 141N, 142N	Range(s) 84W
Drilling and Plugging Contractors Extreme Drilling	
Date Commenced 11/13/19	Date Completed 11/16/19

SECTION 2

First S.P. #	Last S.P. #													
Loaded Holes (Undetonated Shot Points) 1 Shot hole 5018-1163 was left undetonated														
S.P.#s	0181163													
Charge Size	11lbs													
Depth	140'													
Reasons Holes Were Not Shot 1 hole undetonated. Bad Cap														

SECTION 3

Flowing Holes and/or Blowouts S.P.#s No blowouts or flowing holes on program
Procedure for Plugging Flowing Holes and/or Blowouts No blowouts or flowing holes on program
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 (Form GE 6B).



Received

NOV 26 2019

ND Oil & Gas
 Division

PERMIT NAME (Required): Center 3D
 PERMIT NUMBER: 970293

AFFIDAVIT OF COMPLETION (GEOPHYSICAL CONTRACTOR)

STATE OF TEXAS)

COUNTY OF FORT BEND)

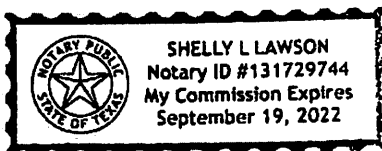
Before me, Shelly L. Lawson, a Notary Public in and for the said
 County and State, this day personally appeared ERIC MILLER

who being first duly sworn, deposes and says that (s)he is employed by SAExploration
Seismic Services (US) LLC, 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.

Geophysical Contractor Representative

Subscribed in my presence and sworn before me this 26th day of November, 2019.



Notary Public Shelly L. Lawson

My Commission Expires 9/19/22



GEOPHYSICAL EXPLORATION AFFIDAVIT OF PLUGGING (HOLE PLUGGER) - FORM GE 7B

INDUSTRIAL COMMISSION OF NORTH DAKOTA
OIL AND GAS DIVISION
600 EAST BOULEVARD DEPT 405
BISMARCK, ND 58505-0840
SFN 61457 (03-2011)

Received

NOV 26 2019

ND Oil & Gas
Division

PERMIT NAME (Required): Center 3-D

PERMIT NUMBER: 970293

AFFIDAVIT OF PLUGGING (HOLE PLUGGER)

STATE OF Colorado)

COUNTY OF Weld)

Before me, Karla Harlow a Notary Public in and for the said

County and State, this day personally appeared Michael G Murray

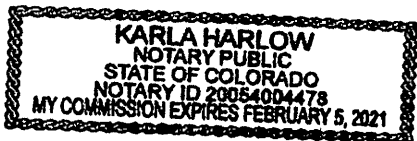
who being first duly sworn, deposes and says that (s)he is employed by

Xtreme Drilling, LLC, 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.

[Signature]
Hole Plugger Representative

Subscribed in my presence and sworn before me this 25 day of November, 2019.



Notary Public [Signature]
Karla Harlow

My Commission Expires February 5, 2021



GEOPHYSICAL EXPLORATION HOLE PLUGGING REPORT - FORM GE 7A

INDUSTRIAL COMMISSION OF NORTH DAKOTA
OIL AND GAS DIVISION
600 EAST BOULEVARD DEPT 405
BISMARCK, ND 58505-0840
SFN 51457 (03-2011)

Received

NOV 26 2019

Geophysical Company Breckenridge Geophysical- SA Exploration	Date Plugged
Hole Plugging Contractor Xtreme Drilling, LLC	Permit No. 970293
Prospect	Hole Plugger Xtreme Drilling, LLC

ND Oil & Gas
Division

Line No.	S.P. No.	Hole Depth	Drill Type *CABP	Wet/Dry	Bent. Sx	Bent. Capsules	Capsule Size**	Surface Plug Depth	Remarks Hole Bridged, Thick Mud, Etc.
1	PLEASE SEE ATTACHED								
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									

*Conventional-Auger-Buggy-Portable

**Diameter X Length

Breckenridge Geophysical Permit # 970293

CENTER 3-D HOLE PLUGGING REPORT

Xtrem Drilling LLC - Hole Plugger

Drill Point	Easting	Northing	Height	Date	Driller	Depth Drilled	Charge	Bent	Plug Depth	Comments
50141142	1799760.78	521912.01	2027.29	23-Sep	S Sanchez	120	11	7	3	
50141143	1799635.63	522036.08	2027.63	23-Sep	S Sanchez	120	11	13	3	
50141144	1799511.22	522160.51	2028.43	23-Sep	S Sanchez	120	11	12.5	3	
50141145	1799387.61	522285.24	2032.93	23-Sep	S Sanchez	120	11	3.5	3	Shooter Beware
50151146	1798640.17	521787.33	2052.83	23-Sep	J Bjornvick	120	11	3.5	3	Shooter Beware
50151147	1798639.91	522036.07	2048.96	23-Sep	J Bjornvick	120	11	10.5	2	
50151148	1798392.35	522036.28	2051.33	23-Sep	J Bjornvick	120	11	10	3	
50151149	1798266.50	522161.50	2052.41	23-Sep	J Bjornvick	120	11	5	3	
50151150	1798142.70	522285.49	2051.38	23-Sep	J Bjornvick	120	11	8.5	3	
50161151	1797395.72	521787.89	2045.37	23-Sep	J Bjornvick	120	11	4	3	Shooter Beware
50161152	1797272.09	521911.82	2043.99	23-Sep	J Bjornvick	120	11	5	2	
50161153	1797023.04	521911.57	2045.25	23-Sep	J Bjornvick	120	11	5	3	
50161154	1797022.71	522160.74	2038.58	23-Sep	J Bjornvick	120	11	9	3	
50161155	1796897.83	522285.54	2035.63	23-Sep	J Bjornvick	120	11	6	2	
50131100	1806115.93	517814.16	2087.92	24-Sep	B Rock	120	11	10	3	
50131139	1800133.81	521539.63	2039.40	24-Sep	S Sanchez	120	11	7	3	
50131140	1800009.56	521663.54	2036.30	24-Sep	S Sanchez	120	11	10	3	
50141141	1799885.10	521787.78	2031.65	24-Sep	S Sanchez	120	11	3.5	3	Shooter Beware
50171148	1797146.60	520792.10	2069.98	24-Sep	J Bjornvick	120	11	11	3	
50171149	1797022.61	520916.11	2071.35	24-Sep	J Bjornvick	120	11	11	3	
50171150	1796897.66	521041.62	2072.91	24-Sep	J Bjornvick	120	11	5	3	
50171156	1796151.82	521788.08	2058.72	24-Sep	J Bjornvick	120	11	12	3	
50171157	1796151.24	522036.20	2045.55	24-Sep	J Bjornvick	120	11	11	3	
50171158	1796026.80	522160.82	2042.21	24-Sep	J Bjornvick	120	11	6	3	
50171159	1795902.70	522284.68	2042.50	24-Sep	J Bjornvick	120	11	7	3	
50171160	1796275.66	521663.14	2063.86	24-Sep	J Bjornvick	120	11	13	3	
50201091	1802249.49	511706.95	2084.22	24-Sep	R Hovde	120	11	8	3	
50201092	1802000.36	511707.40	2095.38	24-Sep	R Hovde	120	11	13	3	
50211096	1800382.95	511085.02	2123.90	24-Sep	R Hovde	120	11	8	3	
50211099	1800008.33	511457.54	2114.84	24-Sep	R Hovde	120	11	11	3	
50221095	1800383.50	510835.43	2123.11	24-Sep	R Hovde	120	11	9	3	
50231096	1799884.91	510586.23	2106.94	24-Sep	R Hovde	120	11	13.5	3	
50231097	1799760.16	510710.73	2106.37	24-Sep	R Hovde	120	11	13	3	

50231098	1799636.26	510836.49	2108.50	24-Sep	R Hovde	120	11	8	3	
50231099	1799511.23	510959.80	2112.62	24-Sep	R Hovde	120	11	8	3	
50231100	1799387.23	511084.15	2113.78	24-Sep	R Hovde	120	11	8	3	
50231129	1795778.57	514693.60	2121.51	24-Sep	B Rock	120	11	12	2.5	
50111126	1803618.97	521786.76	2080.25	25-Sep	J Bjornvick	120	11	11	3	
50111127	1803245.05	521662.93	2081.77	25-Sep	J Bjornvick	120	11	4	3	
50111128	1803245.09	521911.75	2074.46	25-Sep	J Bjornvick	120	11	11	3	
50111129	1802996.18	521911.87	2071.50	25-Sep	J Bjornvick	120	11	12	3	
50111130	1802747.53	521911.35	2069.03	25-Sep	J Bjornvick	120	11	11	3	
50121131	1802249.40	521662.89	2064.91	25-Sep	J Bjornvick	120	11	12	3	
50121132	1802249.52	521911.81	2060.45	25-Sep	J Bjornvick	120	11	12	3	
50121133	1802000.51	521911.78	2054.12	25-Sep	J Bjornvick	120	11	12	3	
50121134	1801751.46	521911.70	2050.25	25-Sep	J Bjornvick	120	11	5	3	
50121135	1802249.33	521413.98	2069.70	25-Sep	J Bjornvick	120	11	12	3	
50131126	1802240.51	520409.56	2075.56	25-Sep	J Bjornvick	125	11	12	3	
50131127	1802245.91	520663.75	2076.85	25-Sep	J Bjornvick	120	11	10	3	
50131128	1802124.91	520791.94	2074.68	25-Sep	J Bjornvick	120	11	11	3	
50131129	1802000.49	520916.16	2073.57	25-Sep	J Bjornvick	120	11	11	3	
50131130	1801875.98	521040.72	2073.24	25-Sep	J Bjornvick	120	11	11	3	
50131136	1800382.73	521040.34	2045.08	25-Sep	S Sanchez	120	11	7	3	
50131137	1800381.45	521287.37	2041.08	25-Sep	S Sanchez	120	11	13	2.5	
50131138	1800259.16	521414.57	2038.57	25-Sep	S Sanchez	120	11	9	3	
50141131	1801751.70	521165.09	2071.37	25-Sep	J Bjornvick	120	11	8	2	
50141132	1801751.64	521414.05	2064.45	25-Sep	J Bjornvick	120	11	13	3	
50141133	1800375.47	520286.40	2053.83	25-Sep	S Sanchez	120	11	3	3	shooter beware
50141134	1800380.39	520541.22	2051.24	25-Sep	S Sanchez	120	11	13	3	
50141135	1800382.53	520791.39	2048.37	25-Sep	S Sanchez	120	11	8	3	
50151129	1800378.95	519294.63	2048.71	25-Sep	S Sanchez	120	11	7	3	
50151130	1800382.45	519547.45	2051.81	25-Sep	S Sanchez	120	11	13	3	
50171146	1797395.35	520542.90	2074.19	25-Sep	J Bjornvick	120	11	11	3	
50171147	1797271.56	520667.84	2069.21	25-Sep	J Bjornvick	120	11	11	3	
50211087	1802249.36	510711.28	2052.36	25-Sep	R Hovde	120	11	7.5	4	
50211088	1802125.15	510835.20	2065.21	25-Sep	R Hovde	120	11	8	2.75	
50211089	1802000.58	510959.98	2074.12	25-Sep	R Hovde	120	11	7	3.5	
50211090	1801876.54	511084.36	2084.68	25-Sep	R Hovde	120	11	10	2.5	

50211097	1800382.57	511333.70	2121.69	25-Sep	R Hovde	125	11	9	3	
50221091	1801129.28	510586.74	2113.00	25-Sep	R Hovde	120	11	9	3.5	
50221092	1801023.51	510729.61	2116.74	25-Sep	R Hovde	120	11	9	3.75	
50221093	1801025.79	510980.97	2115.23	25-Sep	R Hovde	120	11	10	4	
50221094	1800383.13	510587.00	2122.16	25-Sep	R Hovde	125	11	9	3	Bridged/ Shooter Beware
50221103	1799621.14	512094.71	2107.48	25-Sep	R Hovde	120	11	10	3.5	
50231088	1801024.07	509734.72	2101.60	25-Sep	R Hovde	120	11	10	3.5	
50231090	1800382.50	509591.17	2104.19	25-Sep	R Hovde	120	11	6	2.5	
50231127	1796027.16	514444.89	2123.99	25-Sep	B Rock	120	11	9	3	
50231128	1796026.74	514694.29	2122.60	25-Sep	B Rock	120	11	12	3	
50241091	1799884.84	509342.56	2093.23	25-Sep	R Hovde	120	11	7	2.5	
50241092	1799760.47	509466.51	2093.54	25-Sep	R Hovde	120	11	7	3	
50241093	1799635.43	509590.37	2096.53	25-Sep	R Hovde	120	11	8	1.75	
50241094	1799511.77	509716.14	2096.75	25-Sep	R Hovde	120	11	4	3	Shooter beware Bridged
50241095	1799387.19	509841.03	2098.86	25-Sep	R Hovde	120	11	6	3.5	Bridged/ Shooter Beware
50271129	1793289.02	512204.25	2116.50	25-Sep	B Rock	120	11	6	3	
50271130	1793164.13	512329.33	2115.93	25-Sep	B Rock	120	11	9	3	
50091116	1806107.37	521787.60	2054.62	26-Sep	J Bjornvick	120	11	9	3	
50091117	1805983.00	521911.46	2051.01	26-Sep	J Bjornvick	120	11	9	3	
50091118	1805858.05	522036.20	2046.75	26-Sep	J Bjornvick	120	11	8	3	
50091119	1805734.07	522160.80	2039.58	26-Sep	J Bjornvick	120	11	8	2	
50091120	1805608.96	522285.51	2029.43	26-Sep	J Bjornvick	120	11	10	3	
50101111	1806107.43	520543.58	2060.36	26-Sep	J Bjornvick	120	11	11	3	
50101112	1805983.09	520666.87	2067.46	26-Sep	J Bjornvick	120	11	13	3	
50101113	1805984.42	520915.45	2074.85	26-Sep	J Bjornvick	120	11	12	3	
50101114	1805733.83	520916.40	2080.11	26-Sep	J Bjornvick	120	11	12	3	
50101115	1805609.52	521040.40	2078.06	26-Sep	J Bjornvick	120	11	4	3	Shooter Beware
50101121	1804987.31	521911.32	2043.50	26-Sep	J Bjornvick	120	11	10	3	
50101122	1805111.72	522285.29	2022.69	26-Sep	J Bjornvick	120	11	10	3	
50101123	1804346.70	521769.07	2067.65	26-Sep	J Bjornvick	120	11	10	3	
50101124	1804240.40	521911.76	2072.76	26-Sep	J Bjornvick	120	11	4	3	Shooter Beware
50101125	1803991.77	521911.60	2080.19	26-Sep	J Bjornvick	120	11	3	2	Shooter Beware
50111116	1804987.36	520667.39	2080.11	26-Sep	J Bjornvick	120	11	12	3	
50111117	1804987.24	520916.12	2073.25	26-Sep	J Bjornvick	120	11	12	3	

50151127	1800374.59	518792.24	2057.19	26-Sep	S Sanchez	120	11	12	3	
50151128	1800376.76	519043.97	2052.65	26-Sep	S Sanchez	120	11	12	2	
50151136	1799885.05	520543.11	2062.57	26-Sep	S Sanchez	120	11	11	3	
50151137	1799759.92	520668.03	2063.24	26-Sep	S Sanchez	120	11	7	3	
50151138	1799636.64	520791.18	2063.58	26-Sep	S Sanchez	120	11	7	2	
50151139	1799510.93	520915.46	2062.04	26-Sep	S Sanchez	120	11	10	3	
50151140	1799386.66	521040.94	2061.96	26-Sep	S Sanchez	120	11	6	3	
50161125	1800371.65	518291.38	2061.67	26-Sep	S Sanchez	120	11	12	3	
50171076	1805360.94	511085.01	2059.62	26-Sep	R Hovde	120	11	7	3.5	
50171077	1805225.19	511198.04	2058.84	26-Sep	R Hovde	120	11	7	3	
50181071	1805357.39	509837.16	2001.67	26-Sep	R Hovde	120	11	9.5	4	
50181072	1805360.60	510089.14	2017.42	26-Sep	R Hovde	120	11	12	3	
50181073	1805360.39	510338.37	2034.68	26-Sep	R Hovde	120	11	3	3.5	Shooter beware Bridged
50181074	1805360.34	510586.59	2046.97	26-Sep	R Hovde	120	11	6	3.5	
50181075	1805360.01	510835.62	2054.03	26-Sep	R Hovde	120	11	7	3	
50191067	1805112.11	509840.02	2027.51	26-Sep	R Hovde	120	11	9	N	
50191068	1804987.36	509964.94	2045.21	26-Sep	R Hovde	120	11	8	3	
50191069	1805236.22	509217.59	1999.55	26-Sep	R Hovde	120	11	5	3	
50191070	1805236.21	509466.77	2004.68	26-Sep	R Hovde	120	11	6	N	
50191076	1804862.46	510586.33	2057.99	26-Sep	R Hovde	120	11	9	3	
50191077	1804738.14	510711.43	2056.68	26-Sep	R Hovde	120	11	8	3	
50191078	1804613.83	510835.70	2053.36	26-Sep	R Hovde	120	11	7	3.5	
50191079	1804489.13	510960.05	2045.82	26-Sep	R Hovde	120	11	7.5	3	
50191080	1804364.87	511084.35	2044.46	26-Sep	R Hovde	120	11	7	2.5	
50211070	1804738.54	508969.38	2003.34	26-Sep	R Hovde	120	11	6	3.5	
50161124	1800382.54	518053.55	2064.46	26-Sep	S Sanchez	120	11	7	3	
50111107	1805982.71	519423.07	2089.21	27-Sep	J Bjornvick	120	11	9	3	
50111108	1805984.24	519671.18	2087.24	27-Sep	J Bjornvick	120	11	9	3	
50111109	1805734.19	519672.26	2091.83	27-Sep	J Bjornvick	120	11	8	3	
50111110	1805609.24	519796.41	2095.24	27-Sep	J Bjornvick	120	11	13	3	
50121102	1806107.14	518302.66	2084.92	27-Sep	J Bjornvick	120	11	12	2	
50121103	1806107.31	518551.85	2082.48	27-Sep	J Bjornvick	120	11	10	3	
50121104	1806107.58	518800.94	2080.98	27-Sep	J Bjornvick	120	11	10	3	
50121105	1805982.84	518924.83	2083.63	27-Sep	J Bjornvick	120	11	4	2	Shooter Beware

50121111	1804987.14	519422.80	2114.82	27-Sep	J Bjornvick	120	11	12	3	
50121112	1804987.19	519671.72	2112.17	27-Sep	J Bjornvick	120	11	12	3	
50131106	1805983.98	519173.47	2086.52	27-Sep	J Bjornvick	120	11	10	3	
50131107	1805609.56	519049.45	2097.02	27-Sep	J Bjornvick	120	11	4	3	Shooter Beware
50131108	1805360.50	519049.55	2104.92	27-Sep	J Bjornvick	120	11	5	2	Shooter Beware
50161123	1800445.77	517868.22	2066.79	27-Sep	S Sanchez	120	11	3.5	3	Shooter Beware
50171120	1800010.77	516685.53	2064.23	27-Sep	J Bjornvick	120	11	9	2	
50181081	1804116.09	511084.66	2046.78	27-Sep	R Hovde	120	11	8	3.25	
50181121	1799884.92	516809.23	2064.51	27-Sep	J Bjornvick	120	11	9	3	
50181122	1799760.07	516934.00	2063.79	27-Sep	J Bjornvick	120	11	10	3	
50181123	1799635.80	517058.21	2065.07	27-Sep	J Bjornvick	120	11	10	3	
50181124	1799512.31	517183.15	2066.29	27-Sep	J Bjornvick	120	11	9	3	
50201071	1804862.99	509342.28	2049.52	27-Sep	R Hovde	120	11	6	3.5	
50201072	1804738.40	509466.93	2051.15	27-Sep	R Hovde	120	11	5	3	
50201073	1804614.06	509591.45	2048.65	27-Sep	R Hovde	120	11	8	3.5	
50201074	1804489.48	509715.94	2039.88	27-Sep	R Hovde	120	11	9	3	
50201075	1804364.64	509840.62	2033.35	27-Sep	R Hovde	120	11	3	N	Shooter Beware Bridged
50211066	1804240.71	508720.78	1995.17	27-Sep	R Hovde	120	11	4	3	Shooter Beware
50211067	1804116.06	508844.39	2025.96	27-Sep	R Hovde	120	11	7	3	
50211068	1803991.52	508968.86	2010.98	27-Sep	R Hovde	120	11	4	3.5	Shooter Beware
50211069	1803867.12	509093.74	2005.00	27-Sep	R Hovde	120	11	6	3.5	
50211076	1803618.52	509342.23	1996.99	27-Sep	R Hovde	120	11	7	3	
50221072	1803742.79	508471.10	1992.77	27-Sep	R Hovde	120	11	2.5	3	Shooter Beware Bridged
50221104	1799510.47	512204.84	2106.47	27-Sep	R Hovde	120	11	8	4	
50221105	1799386.76	512329.73	2106.60	27-Sep	R Hovde	120	11	9	2	
50221121	1796649.61	513573.53	2106.65	27-Sep	S Sanchez	120	11	9	2	
50221122	1796524.27	513698.09	2110.07	27-Sep	S Sanchez	120	11	10	3	
50221123	1796400.80	513822.83	2114.11	27-Sep	S Sanchez	120	11	3	3	Shooter Beware
50221124	1796275.61	513947.12	2118.48	27-Sep	S Sanchez	120	11	11	2	
50221125	1796151.70	514071.63	2122.20	27-Sep	S Sanchez	120	11	4	2	Shooter Beware
50231106	1799013.25	512204.19	2107.13	27-Sep	R Hovde	120	11	12.5	2	
50231107	1798764.66	512203.60	2107.04	27-Sep	R Hovde	120	11	12.5	3	
50231108	1798515.91	512203.99	2103.84	27-Sep	R Hovde	120	11	10	3	
50231118	1797147.03	513324.60	2105.92	27-Sep	S Sanchez	120	11	8	3	

50231119	1797021.74	513449.27	2105.65	27-Sep	S Sanchez	120	11	9	3	
50231120	1796897.96	513574.09	2105.37	27-Sep	S Sanchez	120	11	9	3	
50231126	1796150.94	514320.60	2122.47	27-Sep	S Sanchez	120	11	11	2	
50171118	1800258.38	516436.72	2065.57	28-Sep	J Bjornvick	120	11	11	3	
50171119	1800133.44	516560.08	2064.58	28-Sep	J Bjornvick	120	11	9	3	
50181114	1800382.19	515564.21	2068.31	28-Sep	J Bjornvick	120	11	7	3	
50181115	1800382.57	515813.82	2069.62	28-Sep	J Bjornvick	120	11	9	3	
50191109	1800134.13	515315.45	2066.77	28-Sep	J Bjornvick	120	11	7	3	
50191110	1800008.90	515440.69	2066.76	28-Sep	J Bjornvick	120	11	4	3	Bridged/ Shooter Beware
50191116	1800009.87	515689.38	2068.76	28-Sep	J Bjornvick	120	11	5	3	
50191117	1800010.04	515938.60	2068.99	28-Sep	J Bjornvick	120	11	8	3	
50191118	1799386.71	515565.53	2066.28	28-Sep	J Bjornvick	120	11	11	2	
50191119	1799136.91	515564.69	2067.34	28-Sep	J Bjornvick	120	11	10	3	
50191129	1798266.36	517182.68	2089.98	28-Sep	J Bjornvick	120	11	10	3	
50201121	1798640.73	515564.48	2067.15	28-Sep	J Bjornvick	120	11	5	2	Bridged/ Shooter Beware
50201122	1798517.63	515688.58	2067.30	28-Sep	J Bjornvick	120	11	5	3	
50201123	1798391.15	515813.82	2067.23	28-Sep	J Bjornvick	120	11	6	3	
50201124	1797894.69	515565.07	2075.56	28-Sep	J Bjornvick	120	11	11	3	
50201125	1797643.32	515565.41	2074.90	28-Sep	J Bjornvick	120	11	11	3	
50211100	1800382.60	512080.44	2114.14	28-Sep	R Hovde	120	11	12	3	
50211126	1797395.72	515564.04	2079.74	28-Sep	J Bjornvick	120	11	11	3	
50211127	1797271.75	515690.31	2082.64	28-Sep	J Bjornvick	120	11	12	3	
50211128	1797147.32	515813.53	2087.77	28-Sep	J Bjornvick	120	11	11	3	
50211129	1797022.85	515938.24	2091.74	28-Sep	J Bjornvick	120	11	12	3	
50221101	1799511.45	511457.50	2112.99	28-Sep	R Hovde	120	11	7	4	
50221102	1799262.07	511457.53	2113.75	28-Sep	R Hovde	120	11	9	3.5	
50231116	1797146.76	512826.63	2109.44	28-Sep	S Mendoza	120	11	11	3	
50231117	1797147.35	513076.15	2108.90	28-Sep	S Mendoza	120	11	10	3	
50241101	1798640.55	510586.03	2093.82	28-Sep	R Hovde	120	11	8	3	
50241102	1798515.88	510711.47	2091.41	28-Sep	R Hovde	120	11	7	3.5	
50241103	1798391.70	510835.72	2091.67	28-Sep	R Hovde	120	11	6	3	
50241104	1798266.89	510960.23	2092.05	28-Sep	R Hovde	120	11	8	2.5	
50241105	1798143.44	511084.46	2091.26	28-Sep	R Hovde	120	11	7	3	
50241111	1796772.92	512453.95	2110.05	28-Sep	S Mendoza	120	11	10	3	

50241112	1796649.40	512578.72	2110.39	28-Sep	S Mendoza	120	11	10	3	
50241113	1796524.74	512702.89	2111.41	28-Sep	S Mendoza	120	11	10	3	
50241114	1797022.83	512204.23	2104.15	28-Sep	S Mendoza	120	11	11	2	
50241115	1796897.39	512329.24	2107.42	28-Sep	S Mendoza	120	11	10	3	
50241121	1796151.82	513076.03	2123.73	28-Sep	S Mendoza	120	11	12	2	
50241122	1796027.25	513200.34	2127.08	28-Sep	S Mendoza	120	11	10	3	
50241123	1795902.69	513324.80	2127.30	28-Sep	S Mendoza	120	11	10	3	
50251106	1797396.51	510587.05	2083.99	28-Sep	R Hovde	120	11	7	3	
50251107	1797271.32	510710.37	2084.80	28-Sep	R Hovde	120	11	5	N	
50251108	1797147.14	510835.98	2084.55	28-Sep	R Hovde	120	11	7	3	
50251109	1797022.97	510960.76	2089.66	28-Sep	R Hovde	120	11	7	3	
50251110	1796898.08	511085.37	2097.39	28-Sep	R Hovde	120	11	7.5	3	
50261104	1797022.32	509715.30	2078.17	28-Sep	R Hovde	120	11	6	N	
50261105	1796898.25	509839.87	2079.45	28-Sep	R Hovde	120	11	6	3	
50261111	1796150.68	510586.90	2100.43	28-Sep	R Hovde	120	11	4	3	Shooter Beware
50261112	1796649.11	510088.45	2085.71	28-Sep	R Hovde	120	11	8.5	3	
50261113	1796524.05	510212.80	2087.93	28-Sep	R Hovde	120	11	7	3	
50261114	1796400.62	510337.95	2091.93	28-Sep	R Hovde	120	11	7.5	3	
50191126	1798641.08	516809.13	2068.60	6-Oct	J Bjornvick	120	11	4	3	
50191127	1798515.43	516933.70	2074.14	6-Oct	J Bjornvick	120	11	9	3	
50191128	1798391.82	517058.09	2083.07	6-Oct	J Bjornvick	120	11	6	3	
50201111	1799261.94	514942.10	2070.95	6-Oct	J Bjornvick	120	11	4	N	
50201112	1799137.75	515067.86	2068.90	6-Oct	J Bjornvick	120	11	7	3	
50201115	1799511.24	514942.98	2072.93	6-Oct	J Bjornvick	120	11	7	3	
50211116	1798639.80	514320.90	2082.48	6-Oct	J Bjornvick	120	11	8	2	
50211117	1798515.59	514445.12	2079.36	6-Oct	J Bjornvick	120	11	10	3	
50211118	1798391.03	514569.05	2076.95	6-Oct	J Bjornvick	120	11	7	3	
50211119	1798267.02	514694.04	2075.29	6-Oct	J Bjornvick	120	11	8	3	
50211120	1798267.36	514943.19	2073.39	6-Oct	J Bjornvick	120	11	8	3	
50221113	1799138.68	514071.23	2080.28	6-Oct	J Bjornvick	120	11	9	3	
50241124	1795778.10	513449.20	2126.14	6-Oct	S Sanchez	120	11	12	3	
50241125	1795654.13	513573.54	2122.47	6-Oct	S Sanchez	120	11	10	3	
50251126	1794906.20	513075.35	2100.21	6-Oct	S Sanchez	120	11	13	3	
50251127	1794781.97	513199.86	2097.12	6-Oct	S Sanchez	120	11	10	3	

50251128	1794657.63	513325.24	2094.39	6-Oct	S Sanchez	120	11	7	3	
50201113	1799635.28	514568.69	2076.34	7-Oct	J Bjornvick	120	11	10	3	
50201114	1799510.97	514694.11	2075.55	7-Oct	J Bjornvick	120	11	9	3	
50211106	1799885.06	513075.80	2094.93	7-Oct	J Bjornvick	120	11	9	3	
50211107	1799761.08	513200.12	2090.66	7-Oct	J Bjornvick	120	11	7	3	
50211108	1799635.59	513324.09	2090.02	7-Oct	J Bjornson	120	11	7	3	
50211109	1799511.71	513449.11	2087.81	7-Oct	J Bjornson	120	11	9	3	
50211110	1800009.41	512951.02	2100.53	7-Oct	J Bjornvick	120	11	9	3	
50221111	1798017.38	513698.63	2086.97	7-Oct	J Bjornvick	120	11	9	3	
50221112	1797893.55	513822.78	2088.58	7-Oct	J Bjornvick	120	11	6	3	
50221114	1798266.95	513449.60	2086.80	7-Oct	J Bjornvick	120	11	8	3	
50221115	1798132.76	513582.88	2086.83	7-Oct	J Bjornvick	120	11	8	3	
50231109	1798267.02	512204.11	2099.10	7-Oct	J Bjornvick	120	11	7	3	
50231110	1798266.28	512453.13	2096.93	7-Oct	J Bjornvick	120	11	9	3	
50231130	1795529.10	514693.85	2113.75	7-Oct	S Sanchez	120	11	11	3	
50241131	1794906.25	514320.02	2101.49	7-Oct	S Sanchez	120	11	10	2	
50241132	1794782.31	514445.12	2097.67	7-Oct	S Sanchez	120	11	10	3	
50241133	1794657.98	514569.64	2094.31	7-Oct	S Sanchez	120	11	4	2.5	
50241134	1794533.57	514693.42	2091.26	7-Oct	S Sanchez	120	11	11	3	
50241135	1794284.73	514693.37	2086.33	7-Oct	S Sanchez	120	11	10	3	
50251129	1794532.96	513449.62	2092.50	7-Oct	S Sanchez	120	11	2	3	Shooter Beware
50251130	1794408.99	513573.73	2091.88	7-Oct	S Sanchez	120	11	11	3	
50251136	1793910.63	514569.10	2079.94	7-Oct	S Sanchez	120	11	11	3	
50251137	1793786.55	514692.96	2079.53	7-Oct	S Sanchez	120	11	11	3	
50271116	1794902.42	510582.14	2109.46	7-Oct	J Bjornvick	120	11	8	3	
50271117	1794782.64	510710.19	2110.21	7-Oct	J Bjornvick	120	11	7	3	
50271118	1794657.89	510835.40	2108.76	7-Oct	J Bjornvick	120	11	8	3	
50271119	1794657.85	511084.62	2109.51	7-Oct	J Bjornvick	120	11	7	3	
50271120	1794658.44	511334.33	2110.34	7-Oct	J Bjornvick	120	11	8	3	
50181151	1796151.36	520542.63	2096.85	8-Oct	B Rock	135	11	12	3	
50181152	1796027.42	520667.70	2093.20	8-Oct	B Rock	135	11	10	3	
50181153	1796026.46	520916.42	2087.04	8-Oct	B Rock	135	11	7	3	
50181155	1795653.41	521040.70	2073.96	8-Oct	B Rock	120	11	10	3	
50251138	1793537.37	514693.75	2080.02	8-Oct	S Sanchez	120	11	10	3	

50251139	1793288.75	514694.25	2081.96	8-Oct	S Sanchez	120	11	8	3	
50251140	1793039.51	514694.37	2088.52	8-Oct	S Sanchez	120	11	11	3	
50261125	1794409.33	512328.45	2108.77	8-Oct	S Sanchez	120	11	11	3	
50261131	1793662.05	513075.09	2108.54	8-Oct	S Sanchez	120	11	11	3	
50261132	1793537.63	513200.69	2098.54	8-Oct	S Sanchez	120	11	10	3	
50261133	1793413.48	513324.38	2092.70	8-Oct	S Sanchez	120	11	12	2	
50261134	1793288.51	513448.86	2086.55	8-Oct	S Sanchez	120	11	10	3	
50261135	1793164.84	513573.30	2081.89	8-Oct	S Sanchez	120	11	3	3.5	Shooter Beware
50281121	1793662.35	510587.31	2108.42	8-Oct	J Bjornvick	120	11	7	3	
50281122	1793538.08	510711.34	2110.35	8-Oct	J Bjornvick	120	11	5	3	
50281123	1793413.25	510835.34	2113.66	8-Oct	J Bjornvick	120	11	6	3	
50281124	1793288.25	510960.54	2117.93	8-Oct	J Bjornvick	120	11	6	3	
50281125	1793164.38	511085.08	2122.06	8-Oct	J Bjornvick	120	11	5	3	
50291116	1793662.70	509341.53	2098.79	8-Oct	J Bjornvick	120	11	8	3	
50291117	1793537.48	509466.92	2100.10	8-Oct	J Bjornvick	120	11	8	3	
50291118	1793413.40	509590.96	2099.99	8-Oct	J Bjornvick	120	11	9	3	
50291119	1793288.51	509716.46	2100.90	8-Oct	J Bjornvick	120	11	8	3	
50291120	1793164.46	509840.58	2100.56	8-Oct	J Bjornvick	120	11	7	3	
50301111	1793537.41	507973.13	2082.10	8-Oct	J Bjornvick	120	11	10	3	
50301112	1793538.07	508222.39	2085.31	8-Oct	J Bjornvick	120	11	8	3	
50301113	1793289.18	508222.14	2088.55	8-Oct	J Bjornvick	120	11	7	3	
50301114	1793040.40	508221.83	2089.62	8-Oct	J Bjornvick	120	11	6	3	
50301115	1792790.04	508222.79	2089.72	8-Oct	J Bjornvick	120	11	7	3	
50311108	1793413.64	507101.57	2076.00	8-Oct	J Bjornvick	120	11	8	3	
50311109	1793288.62	507226.11	2075.41	8-Oct	J Bjornvick	120	11	9	3	
50311110	1793164.47	507350.64	2075.97	8-Oct	J Bjornvick	120	11	8	3	
50181154	1795777.92	520916.16	2081.61	9-Oct	B Rock	130	11	12	3	
50261122	1794782.44	511955.80	2106.47	9-Oct	S Sanchez	120	11	12	3	
50261123	1794657.67	512079.72	2106.61	9-Oct	S Sanchez	120	11	11	3	
50261124	1794533.78	512205.02	2106.73	9-Oct	S Sanchez	120	11	10	3	
50301103	1794660.95	507071.21	2058.22	9-Oct	J Bjornvick	120	11	8	3	
50301104	1794350.94	507041.94	2063.59	9-Oct	J Bjornvick	120	11	8	3	
50301105	1794159.44	507095.05	2063.52	9-Oct	J Bjornvick	120	11	3	1	Shooter Beware Bridged
50311107	1793662.80	507101.75	2075.94	9-Oct	J Bjornvick	120	11	7	3	

50251120	1795653.95	512329.62	2115.46	13-Oct	S Sanchez	120	11	11	3	
50261115	1795653.02	511084.63	2107.80	13-Oct	J Bjornvick	120	11	9	3	
50261121	1794907.01	511830.70	2109.32	13-Oct	S Sanchez	120	11	11	3	
50271109	1795778.25	509715.71	2089.19	13-Oct	J Bjornvick	120	11	8	3	
50271110	1795673.31	509820.89	2093.54	13-Oct	J Bjornvick	120	11	7	3	
50251117	1796026.45	511955.83	2114.77	14-Oct	S Sanchez	120	11	11	3	
50251118	1795902.08	512080.40	2115.99	14-Oct	S Sanchez	120	11	11	3	
50251119	1795778.04	512205.05	2116.59	14-Oct	S Sanchez	120	11	11	3	
50261103	1797146.60	509591.74	2076.34	14-Oct	J Bjornvick	120	11	7	3	
50271106	1796151.41	509342.13	2081.63	14-Oct	J Bjornvick	120	11	7	3	
50271107	1796026.59	509466.63	2085.00	14-Oct	J Bjornvick	120	11	8	3	
50271108	1795902.13	509591.68	2087.18	14-Oct	J Bjornvick	120	11	8	3	
50251116	1796149.49	511834.15	2113.49	16-Oct	S Sanchez	120	11	11	3	
50271127	1793538.18	511956.39	2118.82	16-Oct	S Sanchez	120	11	11	3	
50271128	1793412.81	512078.49	2117.71	16-Oct	S Sanchez	120	11	11	3	
50281111	1794906.58	509342.16	2091.69	16-Oct	J Bjornvick	120	11	8	3	
50281112	1794795.03	509454.59	2092.65	16-Oct	J Bjornvick	120	11	8	3	
50281113	1795279.73	508968.66	2089.70	16-Oct	J Bjornvick	120	11	8	3	
50281114	1795155.71	509093.32	2090.62	16-Oct	J Bjornvick	120	11	8	3	
50281115	1795031.11	509218.32	2090.86	16-Oct	J Bjornvick	120	11	7	3	
50251096	1798641.72	509343.82	2083.42	17-Oct	S Sanchez	120	11	7	3	
50251097	1798515.44	509466.69	2083.02	17-Oct	S Sanchez	120	11	11	3	
50251098	1798391.74	509591.57	2084.12	17-Oct	S Sanchez	120	11	11	3	
50251099	1798266.04	509715.25	2084.23	17-Oct	S Sanchez	120	11	11	3	
50251100	1798143.21	509840.16	2084.09	17-Oct	S Sanchez	120	11	11	3	
50261101	1797395.42	509341.69	2077.01	17-Oct	S Sanchez	120	11	11	3	
50261102	1797271.07	509466.66	2075.42	17-Oct	S Sanchez	120	11	10	3	
50271126	1793662.21	511831.07	2117.51	17-Oct	S Sanchez	120	11	11	3	
50281101	1796151.23	508097.90	2062.07	17-Oct	J Bjornvick	120	11	6	3	
50281102	1796026.79	508222.19	2061.50	17-Oct	J Bjornvick	120	11	7	2	
50281103	1795902.37	508346.57	2062.38	17-Oct	J Bjornvick	120	11	6	3	
50281104	1795777.89	508470.63	2065.66	17-Oct	J Bjornvick	120	11	7	3	
50281105	1795653.42	508595.59	2071.50	17-Oct	J Bjornvick	120	11	6	3	
50291099	1796026.78	507475.41	2059.06	17-Oct	J Bjornvick	120	11	4	3	

50291100	1796026.75	507724.39	2058.93	17-Oct	J Bjornvick	120	11	7	3	
50291106	1794907.23	508098.58	2075.26	17-Oct	J Bjornvick	120	11	6	3	
50291107	1794783.09	508222.10	2075.86	17-Oct	J Bjornvick	120	11	7	2	
50291108	1794658.46	508346.38	2076.72	17-Oct	J Bjornvick	120	11	4	2	
50291109	1794533.02	508470.71	2077.73	17-Oct	J Bjornvick	120	11	8	3	
50291110	1794408.63	508595.63	2081.74	17-Oct	J Bjornvick	120	11	7	3	
50261083	1799763.48	507222.55	2049.42	18-Oct	J Bjornvick	120	11	7	3	
50261084	1799638.41	507346.92	2049.65	18-Oct	J Bjornvick	100	11	7	3	Stuck Charge at 100'
50261085	1799511.12	507474.76	2049.04	18-Oct	J Bjornvick	120	11	8	3	
50261093	1798391.14	508347.26	2069.13	18-Oct	S Sanchez	120	11	5	3	
50261094	1798267.17	508471.87	2069.92	18-Oct	S Sanchez	120	11	9	3	
50261095	1798142.54	508596.36	2068.65	18-Oct	S Sanchez	120	11	11	3	
50271086	1798640.66	506852.82	2068.65	18-Oct	J Bjornvick	120	11	6	3	
50271087	1798515.40	506978.13	2069.64	18-Oct	J Bjornvick	120	11	6	3	
50271088	1798391.60	507102.25	2067.39	18-Oct	J Bjornvick	120	11	8	3	
50271089	1798266.26	507226.89	2066.69	18-Oct	J Bjornvick	120	11	8	3	
50271090	1798141.80	507351.11	2068.63	18-Oct	J Bjornvick	110	11	8	3	Hard Rock at 110'
50271096	1797396.23	508098.00	2067.56	18-Oct	S Sanchez	120	11	12	3	
50271097	1797271.94	508222.57	2068.49	18-Oct	S Sanchez	120	11	5	3	
50271098	1797146.31	508346.87	2070.75	18-Oct	S Sanchez	120	11	4	3	
50271099	1797021.60	508471.05	2073.56	18-Oct	S Sanchez	120	11	6	2	
50271100	1796898.11	508596.48	2079.21	18-Oct	S Sanchez	120	11	11	3	
50281091	1797383.27	506840.70	2079.48	18-Oct	J Bjornvick	120	11	7	3	
50281092	1797271.48	506977.79	2087.93	18-Oct	J Bjornvick	120	11	8	3	
50281093	1797147.07	507102.15	2083.51	18-Oct	J Bjornvick	120	11	7	3	
50281094	1797022.33	507226.45	2076.80	18-Oct	J Bjornvick	120	11	8	3	
50281095	1796898.27	507351.01	2073.61	18-Oct	J Bjornvick	120	11	7	3	
50291097	1796026.71	506977.85	2067.53	18-Oct	J Bjornvick	120	11	8	3	
50291098	1796026.79	507226.55	2061.02	18-Oct	J Bjornvick	120	11	7	3	
50131119	1803245.58	519672.08	2104.68	19-Oct	B Rock	120	11	13	3	Sub broke off pipe at 120'
50141105	1803991.54	518178.07	2132.13	19-Oct	B Rock	165	11	5	3	
50141111	1803617.89	518053.57	2121.21	19-Oct	B Rock	160	11	12	3	
50141112	1803493.86	518178.61	2118.18	19-Oct	B Rock	160	11	10	3	
50141113	1803369.12	518303.24	2113.45	19-Oct	B Rock	155	11	8	3	

50141114	1803244.92	518427.64	2109.56	19-Oct	B Rock	150	11	6	3	
50141115	1803120.04	518551.02	2104.51	19-Oct	B Rock	145	11	7	3	
50151110	1803867.66	518053.10	2129.50	19-Oct	B Rock	165	11	6	3	
50221081	1802373.87	509342.34	2029.24	19-Oct	J Bjornvick	120	11	6	N	
50221082	1802249.45	509466.72	2034.00	19-Oct	J Bjornvick	120	11	4	2	Shooter Beware
50221083	1802124.91	509591.13	2039.41	19-Oct	J Bjornvick	120	11	5	3	
50221084	1802000.53	509715.61	2042.42	19-Oct	J Bjornvick	120	11	5	3	
50221085	1801875.88	509840.09	2057.69	19-Oct	J Bjornvick	120	11	10	3	
50231087	1801028.53	509490.41	2085.64	19-Oct	J Bjornvick	120	11	7	3	
50231089	1801020.84	509980.11	2107.98	19-Oct	J Bjornvick	120	11	7	2	
50241072	1802622.62	508595.53	2015.91	19-Oct	J Bjornvick	120	11	7	3	
50251076	1800382.83	507351.22	2062.28	19-Oct	J Bjornvick	120	11	4	2	shooter beware
50251078	1801502.66	507724.40	2046.12	19-Oct	J Bjornvick	120	11	8	3	
50251079	1801129.13	507599.86	2046.32	19-Oct	J Bjornvick	120	11	8	3	
50251080	1800382.01	507101.87	2062.75	19-Oct	J Bjornvick	120	11	7	3	
50251086	1799884.78	508097.57	2069.15	19-Oct	S Sanchez	120	11	12	3	
50251087	1799760.85	508221.63	2069.76	19-Oct	S Sanchez	120	11	4	3	
50251088	1799636.88	508345.28	2067.77	19-Oct	S Sanchez	120	11	13	3	
50251089	1799510.43	508471.18	2067.36	19-Oct	S Sanchez	100	11	6	3	Shooter Beware Pipe broke at bottom of hole
50251090	1799387.06	508595.22	2066.00	19-Oct	S Sanchez	120	11	4.5	3	
50261091	1798640.77	508097.90	2059.92	19-Oct	S Sanchez	120	11	10	3	
50261092	1798516.40	508222.21	2065.50	19-Oct	S Sanchez	120	11	9	3	
50301102	1794533.41	507973.24	2075.71	19-Oct	J Bjornvick	120	11	7	3	
50261081	1799884.18	506853.01	2052.81	19-Oct	J Bjornvick	120	11	7	3	
50261082	1799883.83	507102.15	2051.09	19-Oct	J Bjornvick	120	11	7	2	
50121121	1803618.50	520542.80	2095.97	20-Oct	B Rock	145	11	10	3	
50131116	1803618.88	519298.87	2118.63	20-Oct	B Rock	150	11	9	3	
50131117	1803494.76	519422.99	2113.50	20-Oct	B Rock	150	11	12	3	
50131118	1803369.66	519546.92	2108.84	20-Oct	B Rock	150	11	10	3	
50131120	1803120.05	519796.38	2099.22	20-Oct	B Rock	145	11	8	3	
50181164	1794533.35	522160.69	2084.99	20-Oct	B Rock	130	11	10	3	
50181165	1794408.88	522285.27	2093.29	20-Oct	B Rock	135	11	9	3	
50221063	1804613.65	507101.97	1985.11	20-Oct	S Sanchez	100	11	6	3	gravel and rocks at 100
50221064	1804453.49	507190.65	1999.67	20-Oct	S Sanchez	110	11	8	3	gravel and rocks at 110

50221065	1804240.69	507226.85	2004.02	20-Oct	S Sanchez	120	11	13	3	
50231066	1803630.68	506850.89	1987.96	20-Oct	S Sanchez	120	11	12	3	
50231070	1803991.62	506977.81	1985.38	20-Oct	S Sanchez	110	11	7	3	gravel and rocks at 110
50231076	1802373.84	508097.82	2008.08	20-Oct	J Bjornvick	110	11	4	3	Hard rock at 100
50231077	1802221.04	508193.87	2000.68	20-Oct	J Bjornvick	80	11	6	3	Hard rock at 80
50231078	1802164.19	508385.73	1999.49	20-Oct	J Bjornvick	120	11	6	3	
50231079	1801995.60	508466.26	2003.14	20-Oct	J Bjornvick	120	11	3	1	Shooter Beware
50231080	1801876.16	508595.66	2020.13	20-Oct	J Bjornvick	120	11	8	3	
50241071	1802747.11	508470.95	2014.55	20-Oct	J Bjornvick	120	11	6	3	
50241073	1801751.73	507973.26	2041.94	20-Oct	J Bjornvick	120	11	7	3	
50241074	1801378.15	507848.81	2061.82	20-Oct	J Bjornvick	120	11	8	3	
50241075	1801253.89	507973.21	2075.13	20-Oct	J Bjornvick	120	11	7	3	
50241085	1800382.24	508347.10	2083.90	20-Oct	S Sanchez	120	11	11	3	
50251077	1802003.95	507969.78	2016.80	20-Oct	J Bjornvick	105	11	5	3	hard rock at 105
50201062	1805485.20	507724.26	1991.07	22-Oct	S Sanchez	120	11	8		
50201063	1804862.84	507351.00	1984.77	22-Oct	S Sanchez	120	11	11		
50201064	1804738.44	507475.68	1997.58	22-Oct	S Sanchez	120	11	12		
50201085	1802871.90	510835.73	2046.19	22-Oct	J Bjornvick	120	11	11		
50211057	1805360.45	507599.98	1983.57	22-Oct	S Sanchez	120	11	6		
50211077	1803494.74	509466.69	2000.29	22-Oct	J Bjornvick	120	11	10		
50211078	1803369.02	509591.20	2006.61	22-Oct	J Bjornvick	120	11	11		
50211079	1803244.61	509715.76	2007.83	22-Oct	J Bjornvick	120	11	10		
50211080	1803120.62	509839.94	2014.10	22-Oct	J Bjornvick	120	11	10		
50221062	1805111.95	507351.24	1978.56	22-Oct	S Sanchez	120	11	11		
50221071	1802996.17	508719.82	2009.59	22-Oct	J Bjornvick	120	11	5		
50221073	1803369.39	508346.70	1997.32	22-Oct	J Bjornvick	120	11	11		
50221074	1803244.88	508471.15	2002.88	22-Oct	J Bjornvick	80	11	7		Hard Rock at 80'
50221075	1803120.60	508595.80	2009.39	22-Oct	J Bjornvick	120	11	7		
50231067	1804489.44	506977.74	1986.41	22-Oct	S Sanchez	120	11	5		
50231068	1804364.90	506853.42	1985.68	22-Oct	S Sanchez	120	11	8		
50231069	1804240.67	506977.85	1989.91	22-Oct	S Sanchez	120	11	8		
50231086	1801129.32	509342.29	2079.31	22-Oct	J Bjornvick	120	11	12		
50241081	1801129.09	508097.73	2084.15	22-Oct	J Bjornvick	120	11	8		
50241082	1801017.31	508234.77	2092.59	22-Oct	J Bjornvick	120	11	11		

50241083	1801019.12	508485.37	2100.66	22-Oct	J Bjornvick	120	11	11	2	
50241084	1801018.43	508733.45	2107.66	22-Oct	J Bjornvick	120	11	10	3	
50211086	1802374.13	510586.53	2041.54	22-Oct	J Bjornvick	115	11	9	3	Hard Rock at 115'
50181082	1803709.15	510927.09	2017.67	23-Oct	J Bjornvick	120	11	10	3	
50191086	1802849.86	511063.06	2048.04	23-Oct	J Bjornvick	120	11	9	3	
50191087	1802849.74	511311.76	2048.67	23-Oct	J Bjornvick	120	11	10	3	
50201065	1805858.56	507600.06	2013.21	23-Oct	S Sanchez	80	11	6	2	hard rock at 80'
50201081	1803618.92	510587.22	2007.97	23-Oct	J Bjornvick	120	11	9	3	
50201082	1803369.72	510586.30	2017.63	23-Oct	J Bjornvick	120	11	11	3	
50201083	1803121.42	510586.57	2034.84	23-Oct	J Bjornvick	120	11	10	3	
50201084	1802960.56	510675.99	2040.54	23-Oct	J Bjornvick	120	11	9	3	
50211058	1805887.00	507130.86	1982.54	23-Oct	S Sanchez	120	11	9	3	
50211059	1805746.92	507239.54	1982.34	23-Oct	S Sanchez	120	11	10	3	
50211060	1805609.67	507351.12	1983.23	23-Oct	S Sanchez	120	11	13	3	
50221061	1805423.87	507413.59	1983.71	23-Oct	S Sanchez	120	11	10	2	
50221135	1795529.04	515938.26	2100.44	23-Oct	J Bjornvick	130	11	8	3	
50231136	1794931.66	515589.63	2089.56	23-Oct	J Bjornvick	110	11	7	3	hard rock at 110'
50231137	1794782.55	515689.31	2085.68	23-Oct	J Bjornvick	120	11	8	3	
50181125	1799386.67	517307.39	2067.41	24-Oct	S Sanchez	120	11	4	3	
50191130	1798142.35	517307.28	2092.54	24-Oct	S Sanchez	130	11	13	3	
50201131	1797396.46	516809.37	2102.85	24-Oct	S Sanchez	125	11	6	3	
50201132	1797271.77	516933.84	2102.27	24-Oct	S Sanchez	135	11	6	3	
50201133	1797146.51	517057.73	2100.63	24-Oct	S Sanchez	135	11	14	3	
50201134	1797022.66	517182.65	2099.28	24-Oct	S Sanchez	94	11	12	3	Hard Rock at 94'
50221131	1796151.55	515564.87	2099.57	24-Oct	S Sanchez	120	11	12	2	
50221132	1796026.83	515689.68	2100.18	24-Oct	S Sanchez	125	11	13	3	
50221133	1795902.40	515813.69	2099.83	24-Oct	S Sanchez	125	11	13	3	
50221134	1795902.55	516062.66	2098.14	24-Oct	S Sanchez	120	11	13	2	Hard Rock at 120
50231138	1794657.98	515813.74	2084.71	24-Oct	J Bjornvick	115	11	11	3	hard Rock at 115
50231139	1794533.46	515938.25	2084.23	24-Oct	J Bjornvick	125	11	10	3	
50231140	1794409.05	516062.63	2085.29	24-Oct	J Bjornvick	125	11	6	3	
50231146	1793662.40	516809.26	2090.25	24-Oct	J Bjornvick	120	11	12	3	
50231147	1793537.98	516933.86	2095.91	24-Oct	J Bjornvick	120	11	13	3	
50231148	1793417.95	517051.43	2099.44	24-Oct	J Bjornvick	125	11	7	N	No hole plug

50231149	1793288.87	517182.56	2105.03	24-Oct	J Bjornvick	130	11	15	3	
50231150	1793164.57	517307.11	2111.52	24-Oct	J Bjornvick	135	11	17	3	
50241141	1793684.11	515586.70	2089.74	24-Oct	J Bjornvick	120	11	13	2.5	
50241142	1793537.89	515689.45	2092.18	24-Oct	J Bjornvick	120	11	5	3	
50241143	1793413.33	515813.66	2095.21	24-Oct	J Bjornvick	120	11	10	3	
50241144	1793288.94	515938.26	2099.19	24-Oct	J Bjornvick	120	11	12	3	
50241145	1793164.35	516062.75	2102.69	24-Oct	J Bjornvick	120	11	4.5	3	
50171126	1799885.14	518048.82	2064.20	25-Oct	S Sanchez	120	11	11	3	
50161131	1799873.61	519287.32	2069.91	25-Oct	S Sanchez	125	11	10	3	
50161132	1799760.32	519422.53	2075.48	25-Oct	S Sanchez	130	11	4	3	
50171127	1799760.01	518178.20	2068.54	25-Oct	S Sanchez	120	11	10	3	
50171128	1799636.22	518302.52	2071.94	25-Oct	S Sanchez	120	11	10	3	
50171129	1799511.39	518426.99	2076.80	25-Oct	S Sanchez	130	11	8	3	
50171130	1799386.89	518551.83	2082.94	25-Oct	S Sanchez	130	11	10	3	
50181131	1798640.01	518054.18	2092.82	25-Oct	S Sanchez	130	11	9	3	
50191156	1794906.85	520542.96	2075.85	25-Oct	J Bjornvick	120	11	7	N	Hard Rock at 120
50191157	1794782.33	520667.19	2073.31	25-Oct	J Bjornvick	130	11	3	2	Shooter beware
50191158	1794658.21	520791.30	2074.12	25-Oct	J Bjornvick	130	11	5	3	
50191159	1794533.31	520916.19	2075.23	25-Oct	J Bjornvick	130	11	7	3	
50191160	1795031.60	520418.01	2077.71	25-Oct	J Bjornvick	130	11	5	3	
50201142	1795280.10	517431.63	2118.66	25-Oct	B Rock	180	11	13	3	
50201144	1795528.97	518178.22	2133.14	25-Oct	B Rock	180	11	17	3	
50201145	1795653.46	518551.51	2141.00	25-Oct	B Rock	175	11	10	3	
50211146	1794906.82	518053.64	2094.21	25-Oct	J Bjornvick	130	11	6	3	
50211147	1794782.26	518178.27	2089.23	25-Oct	J Bjornvick	130	11	8	3	
50211148	1794657.96	518302.78	2085.71	25-Oct	J Bjornvick	130	11	8	3	
50211149	1794657.49	518551.55	2084.46	25-Oct	J Bjornvick	130	11	7	3	
50211150	1794657.90	518800.13	2089.71	25-Oct	J Bjornvick	130	11	4	3	
50221143	1794657.92	517058.14	2086.41	25-Oct	J Bjornvick	130	11	8	3	
50221144	1794533.43	517182.64	2085.34	25-Oct	J Bjornvick	130	11	14	3	
50221145	1794408.90	517307.08	2084.62	25-Oct	J Bjornvick	110	11	5	3	Rock at 110
50221151	1793662.33	518053.92	2108.16	25-Oct	B Rock	140	11	13	3	
50221152	1793537.91	518178.26	2113.80	25-Oct	B Rock	145	11	7	3	
50221153	1793413.53	518302.73	2119.51	25-Oct	B Rock	145	11	8	3	

50221154	1793288.95	518427.12	2123.56	25-Oct	B Rock	150	11	8	3	
50221155	1793164.51	518551.58	2126.64	25-Oct	B Rock	155	11	8	3	
50161133	1799635.87	519547.38	2079.40	26-Oct	S Sanchez	130	11	11	3	e dets
50181142	1797271.40	519422.73	2103.11	26-Oct	S Sanchez	130	11	9	3	e dets
50181161	1794284.45	522409.62	2101.74	26-Oct	B Rock	140	11	9	3	
50181163	1793786.79	522409.56	2124.33	26-Oct	B Rock	140	11	8	3	
50191166	1793662.30	521787.59	2092.68	26-Oct	J Bjornvick	125	11	4	3	
50191167	1793537.79	521911.79	2100.24	26-Oct	J Bjornvick	125	11	4	3	
50191168	1793413.44	522036.38	2106.13	26-Oct	J Bjornvick	130	11	6	3	
50191169	1793288.79	522160.75	2103.95	26-Oct	J Bjornvick	130	11	3	2	Shooter Beware
50191170	1793164.49	522285.25	2103.75	26-Oct	J Bjornvick	125	11	8	3	
50201141	1795280.03	517182.72	2114.85	26-Oct	B Rock	180	11	7	3	
50201162	1793537.85	520667.28	2104.23	26-Oct	J Bjornvick	135	11	7	3	
50201163	1793413.42	520791.81	2101.35	26-Oct	J Bjornvick	130	11	6	3	
50201164	1793289.10	520916.19	2098.46	26-Oct	J Bjornvick	125	11	6	3	
50211140	1795280.21	516933.82	2106.78	26-Oct	B Rock	170	11	7	3	
50121122	1803494.20	520667.35	2095.27	27-Oct	J Bjornvick	130	11	8	3	e dets
50121123	1803369.63	520791.00	2095.36	27-Oct	J Bjornvick	125	11	7	3	e dets
50121124	1803245.71	520915.95	2095.01	27-Oct	J Bjornvick	125	11	11	3	e dets
50121125	1803120.56	521040.71	2094.22	27-Oct	J Bjornvick	125	11	7	3	e dets
50131109	1804240.88	518177.97	2132.22	27-Oct	B Rock	165	11	9	3	e dets
50131110	1804240.10	518427.26	2134.10	27-Oct	B Rock	165	11	11	3	e dets
50141121	1802373.97	519298.58	2085.62	27-Oct	J Bjornvick	125	11	4	3	e dets
50141122	1802249.42	519422.96	2083.54	27-Oct	J Bjornvick	125	11	2	3	Shooter Beware Bridged e dets
50141123	1802125.45	519546.86	2080.43	27-Oct	J Bjornvick	130	11	12	3	e dets
50141124	1802000.67	519670.92	2076.98	27-Oct	J Bjornvick	130	11	11	3	e dets
50141125	1801875.75	519795.52	2075.38	27-Oct	J Bjornvick	130	11	10	3	e dets
50151126	1801751.49	519920.75	2071.59	27-Oct	J Bjornvick	125	11	8	3	e dets
50161141	1798640.64	520543.56	2093.58	27-Oct	S Sanchez	130	11	10	3	e dets
50171137	1798515.50	519422.84	2110.34	27-Oct	B Rock	165	11	4	3	e dets
50171138	1798391.43	519547.87	2112.28	27-Oct	B Rock	165	11	10	3	e dets
50171139	1798266.40	519671.67	2108.59	27-Oct	B Rock	165	11	4	3	e dets
50171140	1798142.30	519796.46	2105.26	27-Oct	B Rock	165	11	10	3	e dets
50181141	1797393.40	519296.01	2101.08	27-Oct	S Sanchez	130	11	11	3	e dets

50181143	1797146.44	519547.42	2104.21	27-Oct	S Sanchez	130	11	9	3	e dets
50181144	1797022.58	519671.92	2105.05	27-Oct	S Sanchez	130	11	11	3	e dets
50181145	1796897.68	519796.60	2105.26	27-Oct	S Sanchez	130	11	8	3	e dets
50111118	1804240.65	520418.44	2093.71	28-Oct	J Bjornvick	130	11	9	3	e dets
50111119	1804240.84	520667.34	2083.63	28-Oct	J Bjornvick	125	11	10	3	e dets
50111120	1804240.72	520916.34	2078.14	28-Oct	J Bjornvick	120	11	10	3	e dets
50151116	1802373.56	518054.52	2086.98	28-Oct	J Bjornvick	130	11	10	3	e dets
50151117	1802249.55	518177.91	2087.51	28-Oct	J Bjornvick	130	11	10	3	e dets
50151118	1802124.50	518303.09	2086.80	28-Oct	J Bjornvick	130	11	12	3	e dets
50151119	1802002.15	518426.91	2086.21	28-Oct	J Bjornvick	130	11	10	3	e dets
50151120	1801875.32	518552.01	2084.98	28-Oct	J Bjornvick	130	11	11	3	e dets
50161115	1802622.39	518054.33	2089.64	28-Oct	J Bjornvick	130	11	10	3	e dets
50161121	1801751.63	518675.75	2082.18	28-Oct	J Bjornvick	130	11	10	3	e dets
50161122	1801751.32	518924.57	2082.23	28-Oct	J Bjornvick	130	11	13	3	e dets
50161142	1798516.24	520667.48	2087.35	28-Oct	S Sanchez	130	11	10	3	e dets
50161143	1798391.33	520791.86	2079.88	28-Oct	S Sanchez	120	11	10	3	e dets
50161144	1798266.38	520916.13	2073.31	28-Oct	S Sanchez	120	11	12	3	e dets
50161145	1798143.03	521040.40	2068.09	28-Oct	S Sanchez	120	11	12	3	e dets
50181132	1798515.70	518178.27	2100.52	28-Oct	B Rock	150	11	8	3	e dets
50181133	1798391.85	518302.38	2106.68	28-Oct	B Rock	150	11	13	3	e dets
50181134	1798266.81	518427.47	2109.15	28-Oct	B Rock	150	11	8	3	e dets
50181135	1798142.69	518552.03	2108.02	28-Oct	B Rock	150	11	13	3	e dets
50191136	1797395.13	518053.64	2100.21	28-Oct	B Rock	150	11	8	3	e dets
50191137	1797270.96	518178.90	2101.36	28-Oct	B Rock	150	11	13	3	e dets
50191139	1798266.40	519671.67	2108.59	28-Oct	B Rock	150	11	10	3	e dets
50191140	1797520.03	517928.48	2100.29	28-Oct	B Rock	150	11	6	3	e dets
50201104	1800383.31	513075.66	2101.65	28-Oct	S Sanchez	130	11	12	3	e dets
50201105	1800382.50	513325.16	2098.08	28-Oct	S Sanchez	130	11	11	3	e dets
50121113	1804241.47	519173.97	2131.85	29-Oct	B Rock	165	11	5	3	e dets
50121114	1804241.10	519422.94	2129.10	29-Oct	B Rock	165	11	8	3	e dets
50121115	1804241.11	519671.92	2124.47	29-Oct	B Rock	165	11	10	3	e dets
50161135	1799386.16	519796.32	2092.75	29-Oct	B Rock	165	11	10	3	e dets
50191120	1799548.26	516223.48	2066.11	30-Oct	J Bjornvick	120	11	7	3	e dets
50201135	1796898.11	517306.85	2097.05	30-Oct	J Bjornvick	120	11	11	3	e dets Moved hole

50211130	1796897.60	516062.33	2096.01	30-Oct	J Bjornvick	120	11	11	3	e dets
50211138	1795528.92	516685.01	2105.29	31-Oct	B Rock	165	11	6	3	e dets
50211139	1795528.98	516933.91	2114.53	31-Oct	B Rock	180	11	15	3.5	e dets
50221141	1794906.80	516809.28	2088.66	31-Oct	B Rock	150	11	7	3	e dets
50181162	1794035.75	522409.64	2112.98	1-Nov	B Rock	145	11	11	3	e dets
50191146	1796151.46	519298.04	2129.84	1-Nov	B Rock	160	11	12	3	e dets
50191147	1796026.08	519422.85	2125.03	1-Nov	B Rock	160	11	10	3	e dets
50191148	1796026.61	519671.62	2119.13	1-Nov	B Rock	150	11	10	3	e dets
50191149	1795768.38	519662.24	2115.72	1-Nov	B Rock	150	11	8	3	e dets
50191150	1795653.29	519796.25	2109.04	1-Nov	B Rock	150	11	11	3	e dets
50201143	1796276.71	518675.80	2139.93	1-Nov	B Rock	165	11	9	3	e dets
50211136	1796151.46	516809.41	2097.13	1-Nov	B Rock	150	11	8	3	e dets
50211137	1796026.73	516933.74	2107.02	1-Nov	B Rock	170	11	10	3	e dets
50221142	1794782.51	516933.76	2087.25	1-Nov	B Rock	145	11	6	N	e dets
50201151	1794906.52	519297.95	2099.76	2-Nov	B Rock	140	11	11	3	e dets
50201152	1794782.62	519422.80	2093.97	2-Nov	B Rock	135	11	8	3	e dets
50201153	1794658.05	519547.45	2088.78	2-Nov	B Rock	135	11	11	3	e dets
50201154	1794534.03	519671.52	2085.50	2-Nov	B Rock	145	11	10	3	e dets
50201155	1794408.97	519796.03	2086.20	2-Nov	B Rock	135	11	7	3	pipe broke in hole at 135 edets
50201161	1793288.81	520169.41	2112.01	2-Nov	B Rock	150	11	11	3	e dets
50211156	1793662.35	519298.56	2112.60	2-Nov	B Rock	155	11	9	3	e dets
50211157	1793679.41	519563.72	2110.11	2-Nov	B Rock	150	11	9	3	e dets
50211158	1794051.99	520186.13	2089.77	2-Nov	B Rock	150	11	7	3	e dets
50211159	1793911.12	519049.54	2104.21	2-Nov	B Rock	145	11	9	3	e dets
50211160	1793028.58	519659.00	2122.96	2-Nov	B Rock	105	11	7	3	drilled to 150 loaded @ 105 edets
50171136	1798633.10	519291.26	2108.50	3-Nov	B Rock	170	11	10	3	edets
50161134	1799511.50	519671.85	2084.72	3-Nov	B Rock	145	11	9	3	edets

Received

NOV - 6 2019



ND Oil & Gas
INDUSTRIAL COMMISSION OF NORTH DAKOTA
OIL AND GAS DIVISION
600 EAST BOULEVARD DEPT 405
BISMARCK, ND 58505-0840
SFN 5782 (11-2018)

FOR STATE USE ONLY	
NDIC Bond Number	8012370

PLEASE SUBMIT THE ORIGINAL AND ONE COPY.
THIS NOTICE SHALL BE FILED AT LEAST THIRTY DAYS BEFORE THE CLOSING DATE OF TRANSFER.

TRANSFERRING CONTRACTOR

Name of Contractor Representative <i>Tony Clark</i>			
Contractor Transferring Geophysical Exploration Permit <i>Breckenridge Exploration, Inc</i>			Telephone Number <i>254-559-7566</i>
Address <i>301 E. 18th St.</i>	City <i>CISLO</i>	State <i>TX</i>	Zip Code <i>75643</i>
I, the above named representative, acknowledge the transfer of the geophysical exploration permit named below for the purpose of ownership and/or operation to the company named below.			
Signature <i>Tony Clark</i>	Title (Must be an officer or power of attorney must be attached) <i>President</i>		Date <i>11/5/19</i>

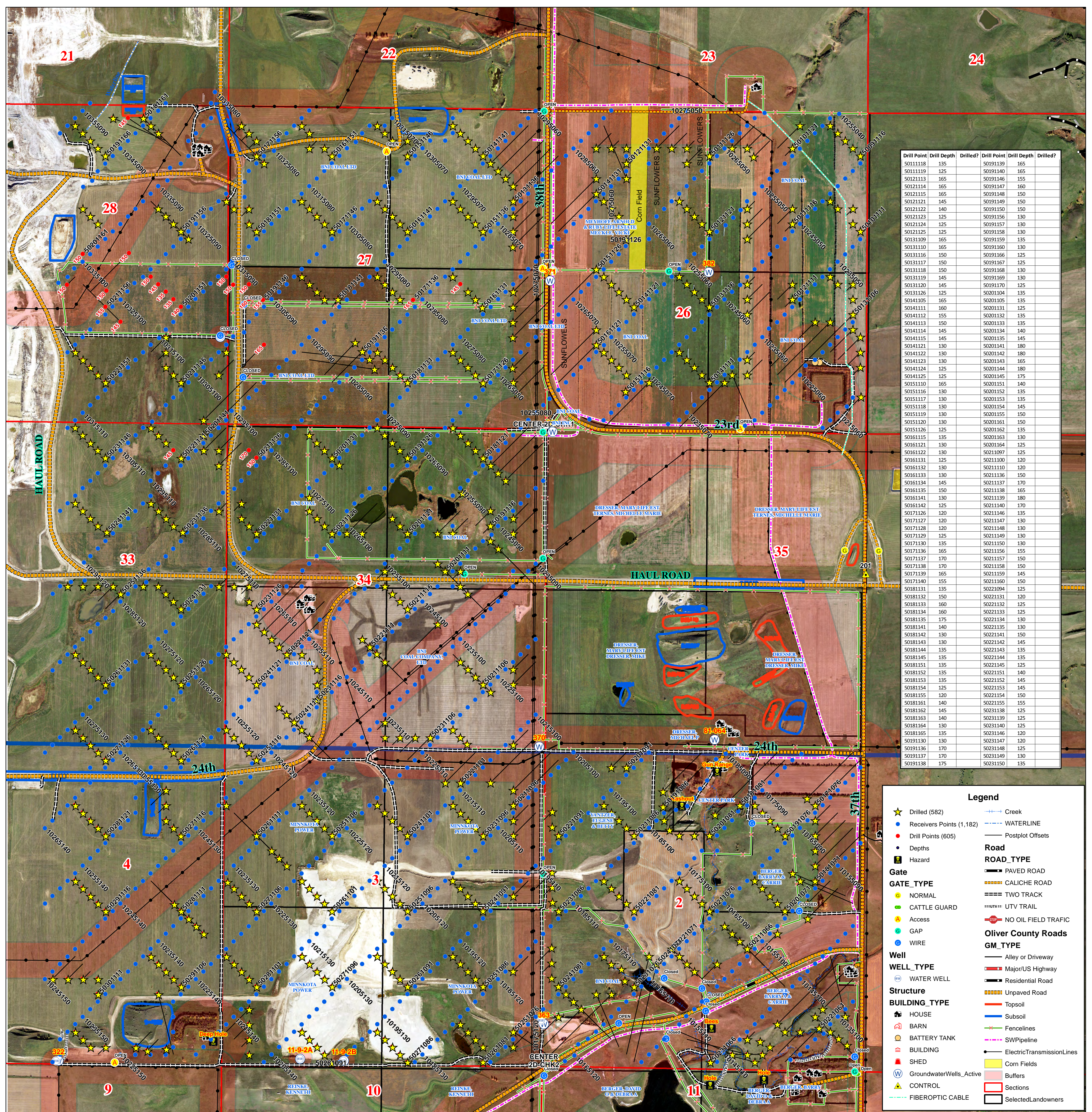
Permit No.	Requested Official Project Name	Location (S-T-R)	Assignment Date
<i>970293</i>	<i>Center 3D</i>	<i>2, 3 & 4 - 141N - 84W 26, 27, 28, 33, 34 - 142N - 84W</i>	<i>11/7/2019</i>

RECEIVING CONTRACTOR

Name of Contractor Representative <i>Eric Miller</i>			
Contractor Receiving Geophysical Exploration Permit <i>SAExploration Seismic Services (US), LLC</i>			Telephone Number <i>346-874-7600</i>
Address <i>13645 N. Promenade Blvd.</i>	City <i>Stafford</i>	State <i>TX</i>	Zip Code <i>77477</i>
I, the above named representative, have read the foregoing statement and accept such transfer, also the responsibility of ownership and/or operation of said project, under the said company bond, said bond being tendered to or on file with the Industrial Commission of North Dakota.			
Signature <i>[Signature]</i>	Title (Must be an officer or power of attorney must be attached) <i>VP Finance</i>		Date <i>11/6/19</i>

FOR STATE USE ONLY

Date Approved <i>11/7/2019</i>
By <i>[Signature]</i>
Title Mineral Resources Permit Manager



Drill Point	Drill Depth	Drilled?	Drill Point	Drill Depth	Drilled?
5011118	135		5019139	165	
5011119	125		5019140	165	
5012113	165		5019146	155	
5012114	165		5019147	160	
5012115	165		5019148	150	
5012121	145		5019149	150	
5012122	140		5019150	130	
5012123	125		5019156	150	
5012124	125		5019157	130	
5012125	125		5019158	130	
5013109	165		5019159	135	
5013110	165		5019160	130	
5013116	150		5019166	125	
5013117	150		5019167	125	
5013118	150		5019168	130	
5013119	145		5019169	130	
5013120	145		5019170	125	
5013126	125		5020104	135	
5014105	165		5020105	135	
5014111	160		5020131	125	
5014112	155		5020132	135	
5014113	150		5020133	135	
5014114	145		5020134	140	
5014115	145		5020135	145	
5014121	130		5020141	180	
5014122	130		5020142	180	
5014123	130		5020143	165	
5014124	125		5020144	180	
5014125	125		5020145	175	
5015110	165		5020151	140	
5015116	130		5020152	135	
5015117	130		5020153	135	
5015118	130		5020154	145	
5015119	130		5020155	150	
5015120	130		5020161	150	
5015126	125		5020162	135	
5016115	135		5020163	130	
5016121	130		5020164	125	
5016122	130		5021107	125	
5016131	125		5021100	120	
5016132	130		5021110	120	
5016133	130		5021136	150	
5016134	145		5021137	170	
5016135	150		5021138	165	
5016141	130		5021139	180	
5016142	125		5021140	170	
5017126	120		5021146	135	
5017127	120		5021147	130	
5017128	120		5021148	130	
5017129	125		5021149	130	
5017130	135		5021150	130	
5017136	165		5021156	155	
5017137	170		5021157	150	
5017138	170		5021158	150	
5017139	165		5021159	145	
5017140	155		5021160	145	
5018131	135		5022104	125	
5018132	150		5022131	120	
5018133	160		5022132	125	
5018134	160		5022133	125	
5018135	175		5022134	130	
5018141	140		5022135	130	
5018142	130		5022141	150	
5018143	130		5022142	145	
5018144	135		5022143	135	
5018145	135		5022144	145	
5018151	135		5022145	125	
5018152	135		5022151	140	
5018153	135		5022152	145	
5018154	125		5022153	145	
5018155	120		5022154	150	
5018161	140		5022155	155	
5018162	145		5023138	125	
5018163	140		5023139	125	
5018164	130		5023140	125	
5018165	135		5023146	120	
5019130	130		5023147	120	
5019136	170		5023148	125	
5019137	170		5023149	130	
5019138	175		5023150	135	

Legend

- ★ Drilled (582)
- Receivers Points (1,182)
- Drill Points (605)
- Depths
- Hazard
- Gate**
- GATE_TYPE**
- NORMAL
- CATTLE GUARD
- Access
- GAP
- WIRE
- Well**
- WELL_TYPE**
- WATER WELL
- Structure**
- BUILDING_TYPE**
- HOUSE
- BARN
- BATTERY TANK
- BUILDING
- SHED
- GroundwaterWells_Active
- CONTROL
- FIBEROPTIC CABLE
- Creek
- WATERLINE
- Postplot Offsets
- Road ROAD_TYPE**
- PAVED ROAD
- CALICHE ROAD
- TWO TRACK
- UTV TRAIL
- NO FIELD TRAFFIC
- Oliver County Roads**
- GM_TYPE**
- Alley or Driveway
- Major/US Highway
- Residential Road
- Unpaved Road
- Topsoil
- Subsoil
- Fencelines
- SWPipeline
- ElectricTransmissionLines
- Corn Fields
- Buffers
- Sections
- SelectedLandowners

November 1, 2019

Andrew Erickson, Jr.
Water Distribution Manager
Southwest Water Authority
4665 2nd Street SW
Dickinson, ND 58601-7231

Re: Geophysical Survey Pipeline Setback Variance

Dear Mr. Erickson,

A field crew contracted by Minnkota Power Cooperative, Inc. ("Minnkota") will be conducting a geophysical survey near Center, North Dakota, between late September and late November. The geophysical survey is part of Project Tundra to characterize the subsurface geology. The geophysical survey is being conducted under permit from the North Dakota Industrial Commission and with the knowledge of the Oliver County Commissioners and City of Center.

In furtherance of collecting data through geophysical survey, Minnkota is requesting permission to leave in place and detonate a dynamite source (depth of 130 feet; 11lb charge) located in Section 26 T142N, R84W which is located approximately 540 feet north of the SW Water Authority water pipeline, coordinates are N 47° 05.043' W 101° 17.656' Elev. 2067. This source was drilled within the state identified setback due to standing water obstructing the original source location. As part of the geophysical survey, shot holes have been drilled within the survey area; however, no holes, other than the one identified herein, were or will be drilled within the 660 setback found at NDAC 43-02-12-05.

Crews would access the survey area to complete the receiver layout and acquire the data tentatively November 4 through November 19. We do not anticipate any damages to occur to the pipeline. I will be onsite the week of November 18 or as soon thereafter as the survey activities are completed, to assess damage, if any, proximately caused by the survey activities. Throughout the survey activities Minnkota and its agents and contractors will comply with applicable regulations, take commercially reasonable safety precautions, and will be responsible for reasonable damages proximately caused by survey activities.

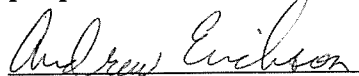
Should you have any questions or concerns, please contact the undersigned, Cole Beckel, Right of Way Agent, by phone at 218-230-4971 or by e-mail at cbeckel@minnkota.com. We welcome the opportunity to discuss the geophysical survey with you further and appreciate your kind consideration.

Sincerely,



Cole Beckel
Right of Way Agent
Minnkota Power Cooperative, Inc.

The undersigned is vested with the authority to act on behalf of SW Water Authority, and hereby permits setback variance as described and under the terms and conditions, and for purposes and in furtherance of the activities, described herein:



Andrew Erickson,
As Water Distribution Manager,
SW Water Authority

11-1-19

Date

November 1, 2019

Mr. Todd L. Holweger
Permit Manager/Geophysical Supervisor
North Dakota Industrial Commission Oil & Gas Division
600 East Boulevard Avenue, Department 405
Bismarck, ND 58505

Subject: Geophysical Exploration Pipeline Setback Variance Request

Dear Mr. Holweger,

Breckenridge Geophysical holds geophysical exploration permit #970293 to conduct a 3-D seismic survey in Oliver County, North Dakota. The test involves approximately 6-square-mile area of geophones and shot holes. The proposed location of shot holes and sensors is shown on the attached map. The locations of the shot holes will be finalized once surveyors arrive on-site and can identify and measure distances to nearby infrastructure. Survey activities are scheduled to be completed November 19, 2019. Final location of the test site shot holes will be provided in the post-survey documentation, however, attached is the most recent survey map.

One shot hole was located within 660 feet of a SW Water Authority Pipeline due to standing water obstructing the original shot hole location. However, we have received permission from SW Water Authority for this shot hole placement at 540 feet setback variance from the SW Water Authority pipeline located on the real property described in the attached Schedule A. We are requesting variance to the distance restrictions on the real property described in Schedule A consistent with NDAC 43-02-12-05.

We look forward to working with you further with regard to this proposed geophysical project. Please contact me with any questions by phone at (254) 246-0766 or by e-mail at dwhitney.deubler@breckex.net.

Sincerely,



Whitney Deubler
Executive Administrator
Breckenridge Geophysical

Attachment

From: [Shannon Mikula](#)
To: [Holweger, Todd L.](#); [Whitney Deubler](#)
Cc: [Daniel Laudal](#); [Livers, Amanda](#); [Mike Lee](#)
Subject: RE: Variance Request
Date: Tuesday, November 05, 2019 10:03:36 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)

CAUTION: This email originated from an outside source. Do not click links or open attachments unless you know they are safe.

Good morning,

I had this open on my computer so thought it would be quicker to respond- the hole number is Sp 5015/1116.

Take care,
Shannon

From: Holweger, Todd L. <tholweger@nd.gov>
Sent: Tuesday, November 05, 2019 9:54 AM
To: Whitney Deubler <whitney.deubler@breckex.net>
Cc: Shannon Mikula <smikula@minnkota.com>; Daniel Laudal <dlaudal@minnkota.com>; Livers, Amanda <alivers@undeerc.org>; Mike Lee <mike.lee@breckex.net>
Subject: [EXTERNAL] RE: Variance Request

CAUTION: This message originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Whitney-
What is the hole number?

Todd L. Holweger
Permit Manager/Geophysical Supervisor, Oil & Gas Division
701.328.8024 (o)

From: Whitney Deubler [<mailto:whitney.deubler@breckex.net>]
Sent: Monday, November 04, 2019 10:30 AM
To: Holweger, Todd L.
Cc: Shannon Mikula; dlaudal@minnkota.com; Livers, Amanda; Mike Lee
Subject: Variance Request

CAUTION: This email originated from an outside source. Do not click links or open attachments unless you know they are safe.

Morning Todd,

Please see attached Variance Request.

If you have any questions or concerns, please feel free to let me know.

Thank you,



Whitney Deubler

Executive Administrator

Ph: 817-850-7816 Office: 254-559-7566

301 E. 18th St., Cisco, TX 76437 | P.O. Box 1032, Cisco, TX 76437

Breckex.com



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GEOPHYSICAL EXPLORATION SUNDRY NOTICE - FORM GE 4

INDUSTRIAL COMMISSION OF NORTH DAKOTA
OIL AND GAS DIVISION
600 EAST BOULEVARD DEPT 405
BISMARCK, ND 58505-0840
SFN 51458 (03-2011)

PERMIT # 97-0293

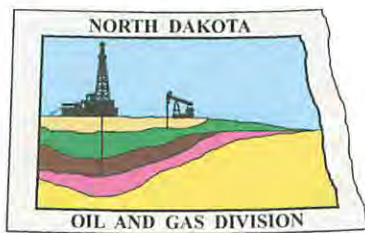
Received

SEP 19 2019

Project Name Center 3D	SEP 19 2019
County Oliver	ND Oil & Gas Division
Supplemental Information Xtreme Drilling, LLC 5445 Colorado Blvd Dacono, CO 80514 303-833-8973 mgmxtreme1@aol.com	
And R & P Insulation DBA Geothermal Drilling Inc. HOVDE Geothermal Drilling Pumping & Spray Polyurethane Foam 1201 46th Ave NE Minot, ND 58703 701-721-4566 hovde@minot.com	

Company Breckenridge Exploration, Inc.		Telephone Number (254) 559-7566	
Address 301 E. 18th Street			
City Cisco	State Tx	Zip Code 76437	
Signature <i>Whitney Deubler</i>	Printed Name Whitney Deubler		
Title Executive Administrator	Date September 19, 2019		
Email Address whitney.deubler@breckex.net			

FOR STATE USE ONLY	
<input type="checkbox"/> Received	<input checked="" type="checkbox"/> Approved
Date	9/19/19
By	<i>Whitney Deubler</i>
Title	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.dmr.nd.gov/oilgas/

September 17, 2019

Ms. Whitney Deubler
Breckenridge Exploration Company, LLC
301 East 18th Street
Cisco, TX 76437

RE: CENTER 3-D
 GEOPHYSICAL EXPLORATION PERMIT #97-0293
 OLIVER COUNTY
 NON EXPLOSIVE & EXPLOSIVE METHODS

Dear Ms. Deubler:

Be advised that your Geophysical Exploration permit is conditionally approved; effective for one year from September 17, 2019.

PERMIT STIPULATIONS:

- **PURSUANT TO NDAC 43-02-12-05 (DISTANCE RESTRICTION)**
 - Nonexplosive exploration methods may not be conducted not less than 300 feet from water wells, buildings, underground cisterns, pipelines, and flowing springs.
 - Explosive exploration methods may not be conducted less than 660 feet from water wells, buildings, underground cisterns, pipelines, and flowing springs.
- **In addition, pursuant to NDAC 43-02-12-06 (NOTIFICATION OF WORK PERFORMED), "The director is authorized to suspend operations of the entire geophysical project, or any portion thereof, if further activity will cause excessive damage to the surface of the land".**

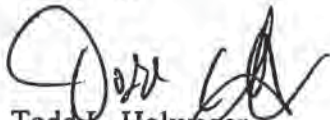
Review the following conditions for your permit:

1. A pre-program meeting with state seismic inspector Tom Torstenson is required. You must contact him at 701-290-1546 (cell) or 701-227-7436 at least 24 hours prior to any exploration operations. Also, a copy of the entire permit is required for all contractors at the pre-program meeting.
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. Must provide a GIS layer using NAD83 in an Esri shape file format and an Image file (.img) on a Flash Drive or email: ttorstenson@nd.gov with all source and receiver points,
4. 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.
5. 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/>
6. 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
Permit Manager



GEOPHYSICAL EXPLORATION PERMIT - FORM GE 1

INDUSTRIAL COMMISSION OF NORTH DAKOTA
 OIL AND GAS DIVISION
 600 EAST BOULEVARD DEPT 405
 BISMARCK, ND 58505-0840
 SFN 51459 (03-2011)

RECEIVED
 SEP 11 2019
 ND OIL & GAS DIVISION

1) a. Company Breckenridge Exploration, Inc		Address 301 E. 18th Street, Cisco, Texas 76437			
Contact Whitney Deubler		Telephone (254) 559-7566		Fax (254) 559-6337	
Surety Company <i>NAM Specialty Ins. Co</i> Tucker and Dunn Bond Agency Co		Bond Amount \$50,000.00		Bond Number 2283994	
2) a. Subcontractor(s) Elite Seismic Surveys, LLC		Address 315 Hector Dr, Alamo, Texas 78516		Telephone (956) 662-8102	
b. Subcontractor(s) Xtreme Drilling, LLC		Address 5445 Colorado Blvd, Dacono, CO 8051		Telephone (970) 227-4733	
3) Party Manager Andrew Garza		Address (local) 301 E. 18th Street, Cisco Texas 76437		Telephone (local) (254) 559-7566	
4) Project Name or Line Numbers Center 3D					
5) Exploration Method (Shot Hole, Non-Explosive, 2D, 3D, Other) Shot Hole, Non-Explosive, 3D					
6) Distance Restrictions (Must check all that apply)					
<input checked="" type="checkbox"/> 300 feet - NonExplosive - Distance setbacks apply to water wells, buildings, underground cisterns, pipelines, and flowing springs.					
<input checked="" type="checkbox"/> 660 feet - Shot Hole - Distance setbacks apply to water wells, buildings, underground cisterns, pipelines, and flowing springs.					
7) Size of Hole 3-D 4"	Amt of Charge 11#	Depth 120'	Source points per sq. mi. 90.87	No. of sq. mi. 7.01	
Size of Hole 2-D	Amt of Charge	Depth	Source points per ln. mi.	No. of ln. mi.	
8) Approximate Start Date September 20, 2019			Approximate Completion Date October 5, 2019		

THE COMMISSION MUST BE NOTIFIED AT LEAST 24 HOURS IN ADVANCE OF COMMENCEMENT OF GEOPHYSICAL OPERATIONS

9) Location of Proposed Project - County Oliver County			
Section(s), Township(s) & Range(s)	Section 2, 3, 4	T. 141N	R. 84W
	Section 26, 27, 28, 33, 34	T. 142N	R. 84W
	Section	T.	R.
	Section	T.	R.
	Section	T.	R.
	Section	T.	R.

I hereby swear or affirm that the information provided is true, complete and correct as determined from all available records. Date **September 10, 2019**

Signature *Whitney Deubler* Printed Name **Whitney Deubler** Title **Executive Administrator**
 Email Address(es) **whitney.deubler@breckex.net**

(This space for State office use)

Permit No. 97-0293	Approval Date 9/17/19
Approved by <i>[Signature]</i>	
Title Mineral Resources Permit Manager	

Permit Conditions

- * Permit in hand required at pre-program meeting with field inspector and be aware of all NDIC Rules and Regulations (i.e. distance restrictions).
- * See attached letter.



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.dmr.nd.gov/oilgas/

September 17, 2019

The Honorable Judith Hintz
Oliver County Auditor
P.O. Box 188
Center, ND 58530-0188

RE: Geophysical Exploration
Permit # 97-0293

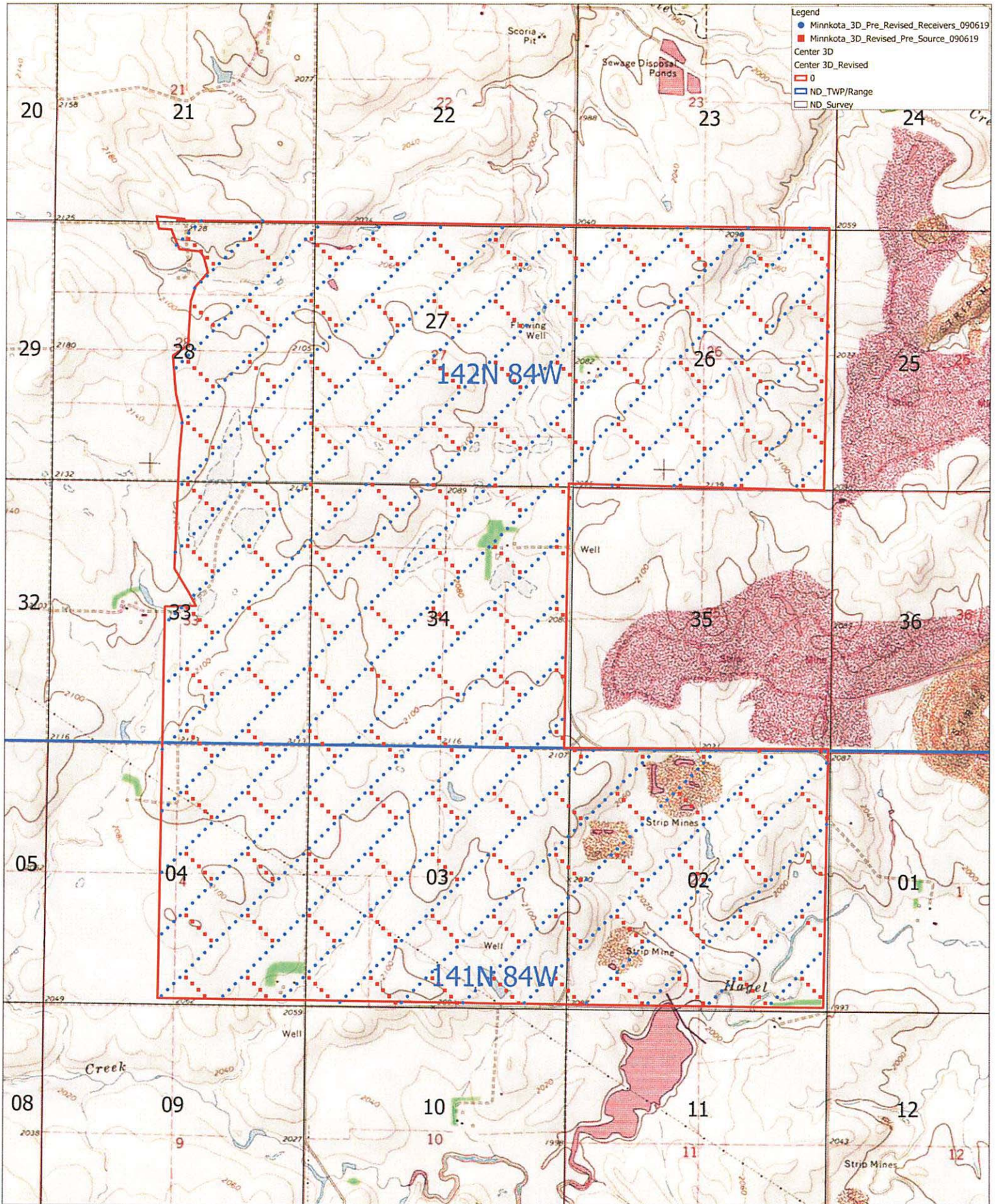
Dear Ms. Hintz:

Pursuant to Section 38-08.1-04.2 of the North Dakota Century Code, please be advised that Breckenridge Exploration Company was issued the above captioned permit on September 17, 2019 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.

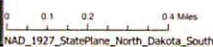
Sincerely,

Todd L. Holweger
Permit Manager



N Created By Breckenridge Geophysical, LLC
 Date: 9/6/2019
 Map Size: 24" x 32"
 User: J. Spigener

Center 3D - C2 Preplot
 Oliver Co. North Dakota
 Total Receivers: 1,181 - 176/880
 Total Sources: 606 - 176/880
 Total Square Miles: 6.48



GIS DISCLAIMER
 The product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or planning purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of property boundaries. This product has been generated by Breckenridge Geophysical, Inc. for the sole purpose of geographic reference. No warranty is made by Breckenridge Geophysical, Inc. regarding specific accuracy or completeness.



North Dakota Industrial Commission
 Department of Mineral Resources
 Oil & Gas Division

RECEIVED
 SEP 11 2019
 ND OIL & GAS DIVISION

FORM GE 1
 FILING AUTHORIZATION

COMPANY NAME: Breckenridge Exploration, Inc

ADDRESS: 301 E. 18th St.

CITY: Cisco STATE: Tx ZIP: 76437

This form authorizes the person(s) listed below to submit a NDIC Geophysical Exploration Permit – Form GE 1 for approval on behalf of the designated company as listed above.

A new authorization will be required if any changes are to be made to the authorized individuals on the form.

The data submitted from the authorized individuals listed below have been checked and conform to the standards and procedures set forth by the NDIC Department of Mineral Resources.

The authorized individual(s) will ensure that the company, as listed above, and party manager receive a copy of the approved Form GE 1

<u>Authorized Individuals</u>	<u>Phone Number</u>	<u>E-Mail Address</u>
Shannon Mikula	701-795-4000	smikula@minnkota.com

Company Authorized Signature: Whitney Deubler Date: 09/10/2019

Printed Name: Whitney Deubler Title: Executive Administrator

Phone: 254-559-7566 Email Address: whitney.deubler@breckex.net

Witness Signature: Kellie Spigler Date: 9/10/19

Witness Printed Name: Kellie Spigler


AFFIDAVIT OF NOTICE

BEFORE ME, the undersigned authority, personally appeared Shannon R. Mikula of Minnkota Power Cooperative, Inc. whose office is located at 5301 32nd Avenue South, Grand Forks, ND 58201 who being duly sworn, upon oath stated and affirmed that:

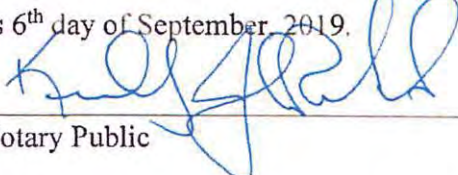
1. My name is Shannon R. Mikula. I am over eighteen years of age. I have personal knowledge of the facts stated by me in this Affidavit and that they are true and correct. I have never been convicted of any felony or of any crime involving moral turpitude and am fully competent to make this Affidavit.
2. I hold the position of special project counsel for Minnkota Power Cooperative, Inc. ("Minnkota"). By virtue of my position with Minnkota I am authorized to make the representations contained in this affidavit on behalf of Minnkota and Breckenridge Geophysical.
3. All landowners within ½ mile of proposed project area as shown on the attached map have been notified of the approximate schedule for activities and have been provided the North Dakota Century Code section 38-08.1-04.1 and Chapter 38-11-1.
4. Also attached is the template notification letter and enclosures sent to all landowners within ½ mile of the proposed project area.
5. Representatives from Minnkota also presented information about the proposed project at the Oliver County Commission Meeting on September 5, 2019, which was noticed and open to the public. Only questions of clarification were posed and no concerns were stated.
6. The proposed project will not use vibroseis trucks or dynamite sources on state or county roadways, railways, transmission lines, subsurface pipelines/infrastructure and associated right-of-ways.
7. Sensors will be placed on and within county highway right-of-ways, and we have requested and received the attached permission from the Oliver County Highway Department for such activities.
8. No setback variances were sought.
9. I affirm under penalty of perjury that the representations contained in this affidavit are true, to the best of my knowledge, information, and belief.

10. Further, the affiant sayeth naught.

Executed this 6th day of September, 2019.


Shannon R. Mikula

STATE OF NORTH DAKOTA)
)SS.
COUNTY OF GRAND FORKS)

Subscribed and sworn to before me this 6th day of September, 2019.

Notary Public

KIMBERLY JOHNSON RUSTAD
Notary Public
State of North Dakota
My Commission Expires Oct. 9, 2022

September 3, 2019

Kyle Miller,
County Roads Superintendent, Oliver County
PO Box 188
115 West Main
Center, ND 58530

Re: Geophysical Survey Access Permit-County Highway Right-of-Ways

Dear Superintendent Miller,

A field crew contracted by Minnkota Power Cooperative, Inc. ("Minnkota") will be conducting a geophysical survey near Center, North Dakota, between late September and late October 2019. The geophysical survey is part of Project Tundra to characterize the subsurface geology. The geophysical survey is being conducted under permit from the North Dakota Industrial Commission and with the knowledge of the Oliver County Commissioners and City of Center.

In furtherance of collecting data through geophysical survey, Minnkota is requesting permission to temporarily place sensors on the county roadway rights-of-way (ROWs). Crews would access the ROWs starting on or about September 16, 2019, to mark sensor locations with survey flags or stakes, which would remain in place through the end of survey activities, tentatively mid-October (week of October 14). Small sensors that sit on the surface of the ground would then be placed at those staked locations for a period of 7-10 days starting on or about October 9th. No sensors will be placed on the county roadways. As part of the geophysical survey, shot holes will be drilled within the survey area; however, no holes will be drilled on the county roadways or the associated ROWs.

We do not anticipate any damages to occur on county roadways or the associated ROWs. I will be onsite the week of October 14th, or as soon thereafter as the survey activities are completed, to assess damage, if any, proximately caused by the survey activities. Throughout the survey activities Minnkota and its agents and contractors will comply with applicable highway regulations, take commercially reasonable safety precautions, and will be responsible for reasonable damages to the roadway proximately caused by survey activities.

Should you have any questions or concerns, please contact the undersigned, Cole Beckel, Right of Way Agent, by phone at 218-230-4971 or by e-mail at cbeckel@minnkota.com. We welcome the opportunity to discuss the geophysical survey with you further and appreciate your kind consideration.

Sincerely,



Cole Beckel
Right of Way Agent
Minnkota Power Cooperative, Inc.

The undersigned is vested with the authority to act on behalf of Oliver County, and hereby permits access to and use of the county roadway ROWs under the terms and conditions, and for purposes and in furtherance of the activities, described herein:

 9-5-19
Date

Kyle Miller,
As County Roads Superintendent,
Oliver County Highway Department

September 13, 2019

Jay Volk
Health Safety and Environmental Manager
BNI Coal, Inc.

Re: Geophysical Survey Access Permit-Well Variance Set-back at 200'

Dear Mr. Volk,

A field crew contracted by Minnkota Power Cooperative, Inc. ("Minnkota") will be conducting a geophysical survey near Center, North Dakota, between late September and late October 2019. The geophysical survey is part of Project Tundra to characterize the subsurface geology. The geophysical survey is being conducted under permit from the North Dakota Industrial Commission and with the knowledge of the Oliver County Commissioners and City of Center.

In furtherance of collecting data through geophysical survey, Minnkota is requesting specific permission to place sources at a 200' set back from the wells located on the following described real property located in Oliver County, North Dakota:

See attached Schedule A, described hereafter as "Property".

Crews would access the Property starting on or about September 16, 2019, to mark source and sensor locations with survey flags or stakes, which would remain in place through the end of survey activities, tentatively mid-October (week of October 14). Sources and small sensors that sit on the surface of the ground would then be placed at those staked locations for a period of 7-10 days starting on or about October 9th.

We do not anticipate any damages to occur on the Property utilized in this geophysical survey. Our Right of Way Agent, Cole Beckel will be onsite the week of October 14th, or as soon thereafter as the survey activities are completed, to assess damage, if any, proximately caused by the survey activities. Throughout the survey activities Minnkota and its agents and contractors will comply with applicable regulations, take commercially reasonable safety precautions, and will be responsible for reasonable damages to real property proximately caused by survey activities.

Should you have any questions or concerns, please contact the undersigned or Cole Beckel, Right of Way Agent, by phone at 218-230-4971 or by e-mail at cbeckel@minnkota.com. We welcome the opportunity to discuss the geophysical survey with you further and appreciate your consideration.

Sincerely,
/s/ Shannon Mikula

Shannon R. Mikula
Special Projects Counsel
Minnkota Power Cooperative, Inc.

The undersigned is vested with the authority to act on behalf of BNI Coal, Inc., and hereby permits access to and use of Property herein under the terms and conditions, and for purposes and in furtherance of the activities, described herein:



Jay Volk,
As Health, Safety, & Environmental Services
Manager
BNI Coal, Inc.



Date

Schedule A

WELL NAME	TWP	RNG	SECTION	¼,¼,¼	GROUND ELEVATION feet	WELL HEAD ELEVATION feet	WELL DIAMETER inches	WELL DEPTH feet	SCREENED INTERVAL feet	INSTALL DATE	STATUS	AQUIFER
BNI 363A	141	84	3	dda2	2056.00	2059.51	2	43	33 - 43	03/31/76	Active	Hagel "A" & "B" Seams
BNI 322A	141	84	4	cdd2	2067.00	2067.49	2	21	16 - 21	09/18/84	Active	Hagel "A" Seam
BNI 369	142	84	28	bbb1	2123.82	2127.36	2	132	127-132	04/01/76	Active	Hagel "A" Seam
11-9-2A	141	84	3	cdc	2086.2	2089.22	2	59	49-59	7/20/2011	Active	Hagel "A" Seam
BNI 322B	141	84	4	cdd3	2065.00	2065.94	2	32	27 - 32	11/02/94	Active	Hagel "B" Seam
BNI 369A	142	84	28	bbb2	2124.04	2127.36	2	109	105 - 109	04/01/76	Active	Kinneman Creek Seam
BNI 81-64	142	84	35	ddc	2029.67	2032.38	2	76	66 - 76	06/09/81	Active	Sheet Sand
BNI 322	141	84	4	cdd1	2067.00	2067.42	2	80	75 - 80	09/18/84	Active	Sheet Sand
BNI 361SS	142	84	26	ccc2	2072.51	2074.39	2	160	150 - 160	06/02/99	Active	Sheet Sand
BNI 363	141	84	3	dda1	2055.80	2056.96	2	82	77 - 82	03/31/76	Active	Sheet Sand
BNI 361SP	142	84	26	ccc3	2071.52	2073.75	2	97	87 - 97	06/02/99	Active	Spoil
BNI 370SP	142	84	34	ddd4	2107.06	2109.35	2	95	85 - 95	06/02/99	Active	Spoil
BNI 371SP	142	84	26	cbb3	2058.61	2061.19	2	98	88 - 98	06/22/99	Active	Spoil
BNI 382R	142	84	26	acc	2106.40	2109.00	2	136	131 - 136	06/25/92	Active	Spoil
11-9-2B	141	84	3	cdd	2062.0	2064.81	2	70	60-70	7/20/2011	Active	Spoil

T142N, R84W, SEC 28, SE ¼ OF THE NE ¼ OF THE SE ¼, 5" WELL, 500' DEPTH, SCREENED 470-500, ACTIVE STATUS, FOX HILLS AQUIFER



Geophysical survey

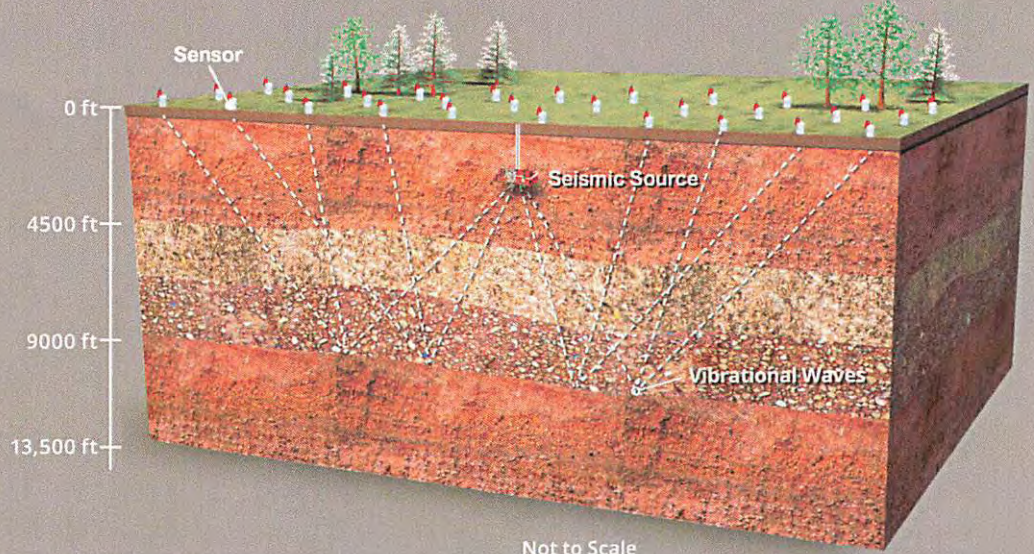
September 2019

Geophysical Survey Near Center, North Dakota

In September and October 2019, a field crew will conduct a geophysical survey near Center, North Dakota. This survey hopes to build on previous surveys conducted in the area that have yielded positive results and valuable information about rock layers in the deep subsurface. The information collected will be assessed by the partners involved with Project Tundra, which is investigating the feasibility of safe, permanent, commercial-scale geologic storage of carbon dioxide (CO₂).

What Is a Geophysical Survey?

Small amounts of deeply buried explosives, such as dynamite, commonly referred to as "source(s)," generate low-level vibrations that travel deep into the earth and are reflected back to the surface. Sensors at the surface record the reflected vibrations. Geophysicists decipher these signals to learn about the subsurface rock layers.



Geophysical surveys are a common data collection tool and have been used in every county in western North Dakota.

What Is the Benefit of the Survey?

The data from the geophysical survey will help evaluate the rock layers more than a mile (9,600 feet) below the surface; develop more accurate computer models to simulate where injected CO₂ might travel; evaluate the suitability of the storage zones; determine the best location for injection and monitoring wells; and help the permitting authority decide whether the geologic storage project can move forward.

What Is the Community Impact?

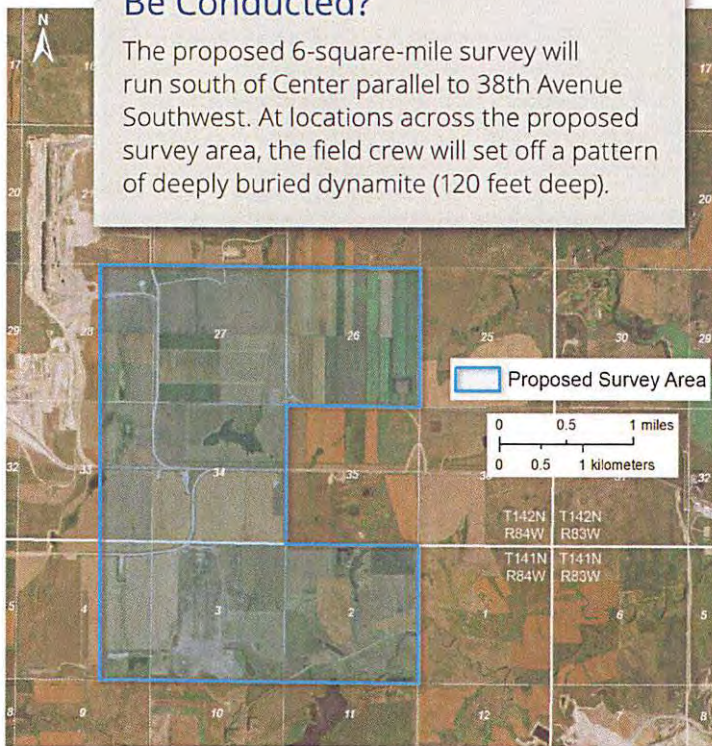
Safety and courtesy are top priorities during this survey. The buried source will be detonated in controlled-access areas and will not be felt by the public. Buried sources will not be located on or near roadways and associated right of ways. Care will be taken to avoid or minimize any environmental impacts and maintain normal traffic flow. Minnkota is working with the local gun club to adjust the gun range hours of operation in an effort to keep it open daily throughout the survey. The work will be carried out under a permit issued by the North Dakota Industrial Commission.

What Do Landowners Need to Know?

Project partners Minnkota Power Cooperative, Inc. (Minnkota) and BNI Energy recognize the impact of survey work during the growing season and will contact landowners before the survey work to request permission to place sources and sensors on their land for 7 to 10 days. The sensors are pressed into the ground by hand 150 feet apart by a field crew walking and driving ATVs. The sensors will remain in place until the survey is complete. The survey area (layout of sources and sensors) avoids buildings and other infrastructure, such as water wells and pipelines. As sources and sensors are placed project partners will fully reclaim the land used for survey. Minnkota and BNI Energy will work with landowners to minimize inconveniences and address concerns.

Where Will the Survey Be Conducted?

The proposed 6-square-mile survey will run south of Center parallel to 38th Avenue Southwest. At locations across the proposed survey area, the field crew will set off a pattern of deeply buried dynamite (120 feet deep).



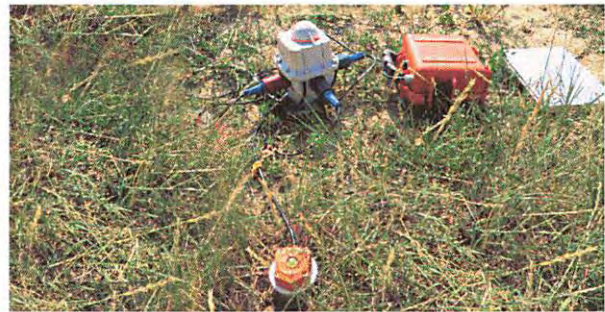
How Will the Survey Be Carried Out?

The survey involves a 6-square-mile area of vibrational sensors and sources. The survey crew will drill the sources at several hundred points along a grid pattern. Holes drilled 120 feet deep will be loaded with 10-pound explosive charges



manufactured for geophysical work. When conditions are safe and clear, the charges will be detonated one by one to gather data. The sources will not vibrate the ground within 660 feet of buildings and other infrastructure.

The survey crew will drill holes 120 feet deep to install the sources.



Example of a sensor location showing the sensor, battery pack, and WiFi transmitter at a similar geophysical survey in Montana.

What Are the Next Steps?

Minnkota continues to evaluate the feasibility of Project Tundra – an effort to capture up to 90% of the CO₂ emissions from the Milton R. Young Station's Unit 2 generator. Further research will be conducted on safe, permanent geologic storage of CO₂ near the Young Station. Safety and environmental stewardship are vitally important to the project. Minnkota will need to obtain the appropriate federal and state permits prior to beginning project work. These permits ensure the safe injection of CO₂, protection of groundwater resources, and the constant monitoring of the CO₂ to ensure it remains in the storage zone.

For More Information:

Jay Volk, Ph.D., Manager – Health, Safety, & Environmental Services, BNI Coal
jvolk@bnicoal.com, 701.355.5550 (office)

Cole Beckel, Right of Way Agent
Minnkota Power Cooperative, Inc.
cbeckel@minnkota.com, 701.795.4336

Learn more at ProjectTundraND.com



ProjectTundraND.com



NORTH DAKOTA
CarbonSAFE





August 29, 2019

Mr. Todd L. Holweger
Permit Manager/Geophysical Supervisor
North Dakota Industrial Commission Oil & Gas Division
600 East Boulevard Avenue, Department 405
Bismarck, ND 58505

Dear Mr. Holweger:

Subject: Geophysical Exploration Permit

Breckenridge Geophysical is applying for a geophysical exploration permit to conduct a 3-D seismic survey in Oliver County, North Dakota. The test involves a 7-square-mile area of geophones and shot holes. The proposed location of shot holes and sensors is shown on the attached map. The locations of the shot holes will be finalized once surveyors arrive on-site and can identify and measure distances to nearby infrastructure. Surveying is scheduled to start September 16, 2019. Final location of the test site shot holes will be provided in the post-survey documentation.

The proposed project will not drill shot holes on the county roadways and associated rights-of-way (ROWs). The shot holes will not be located within 660 feet of buildings and other infrastructure. No setback variances were sought for the county roadways, buildings, or other infrastructure. Permission has been granted by the Oliver County Highway Department to place sensors in the county roadway ROWs as part of this project.

We look forward to working with you further with regard to this proposed geophysical project. Please contact me with any questions by phone at (254) 246-0766 or by e-mail at dwhitney.deubler@breckex.net.

Sincerely,

A handwritten signature in black ink that reads "Whitney Deubler".

Whitney Deubler
Executive Administrator
Breckenridge Geophysical

WD/kh

Attachment