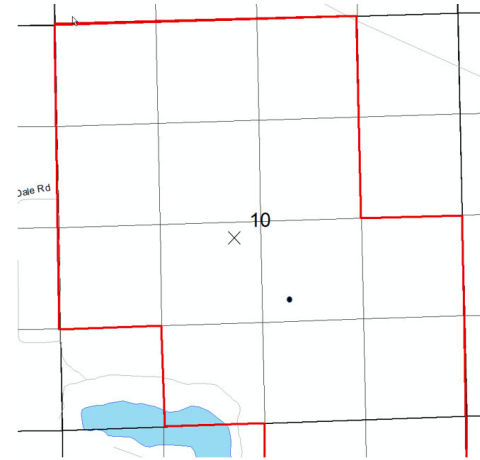


Michigan Department of Environmental Quality  
 Oil, Gas and Minerals Division  
 PERMIT APPLICATIONS  
 7/30/2018 THRU 8/3/2018



Application Number      Date Received      Permittee Number      Permittee Name      Page 1

217      08/02/2018      40      MUSKEGON DEVELOPMENT CO  
 1425 S MISSION RD  
 MOUNT PLEASANT, MI 48858



Prev Permit:

Well Name: Straub Unit 2-10

Surface Owner: Krieger, John & Gail

Well Type: OIL

True Vertical Depth: 5632

Permit Type: Drill

Target Formation: RICHFIELD

H2S Present? Yes

Deepest Formation: SYLVANIA

UNITIZED SO 03-2015 - STRAUB UNIT

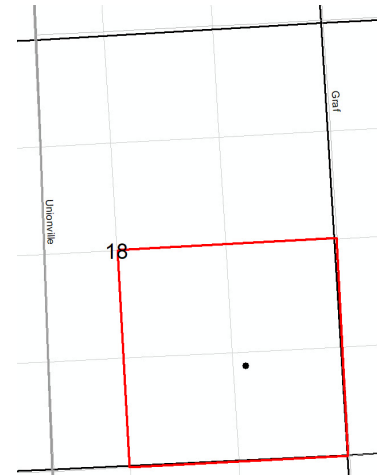
Location:	QT QT QT	Sec	Township	Range	Township Name	County	Feet From Section Line	Feet From DRLG Unit Line
SL:	NENESW	10	20N	3W	FRANKLIN	CLARE	2189 S 2208 W	2189 S 2208 W
BHL:	SWNWSE	10	20N	3W	FRANKLIN	CLARE	1528 S 2528 W	2848 S 2528 E

Michigan Department of Environmental Quality  
Oil, Gas and Minerals Division  
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Application Number                      Date Received                      Permittee Number                      Permittee Name                      Page 3

237                      08/03/2018                      5320                      SAVOY ENERGY LP  
920 HASTINGS STREET, SUITE A  
PO BOX 1560  
TRAVERSE CITY, MI49685-1560



Prev Permit:

Well Name: Abke 1-18

Surface Owner: Abke, Lynn and Kathleen

Well Type: OIL

True Vertical Depth: 3250

Permit Type: Drill

Target Formation: DUNDEE

H2S Present? No

Deepest Formation: LUCAS

Drilling unit: 160A SE/4 Sec. 18. Petition for Statutory pooling requested.

Location:	QT QT QT	Sec	Township	Range	Township Name	County	Feet From Section Line	Feet From DRLG Unit Line
SL:	NWSESE	18	14N	9E	COLUMBIA	TUSCOLA	1151 S 1146 E	1151 S 1146 E
BHL:	NWSESE	18	14N	9E	COLUMBIA	TUSCOLA	1151 S 1146 E	1151 S 1146 E

Michigan Department of Environmental Quality  
Oil, Gas and Minerals Division

PERMIT LIST

7/29/2018 THRU 8/4/2018



Permit Number      Issue Date      Permittee Number      Permittee Name      Page 1

61344      8/1/2018      2042      A N R STORAGE COMPANY

11039 150TH AVE  
BIG RAPIDS, MI 49307

API Well No: 21-079-62001-00-00

Prev Permit:

Well Name: STATE COLD SPRINGS 12-17  
HD1

Surface Owner: STATE OF  
MICHIGAN

Well Type: Gas Storage

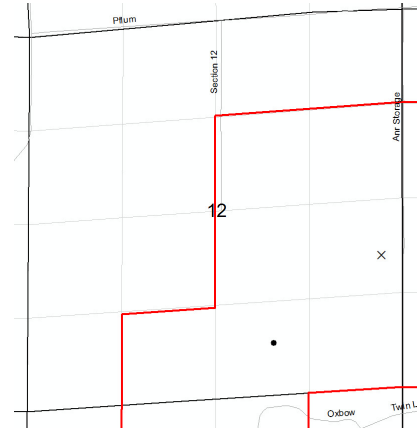
True Vertical Depth: 6814FT

Permit Type: Drill

Target Formation: NIAGARAN

H2S Present? No

Deepest Formation: NIAGARAN



No drilling unit. Cold Springs 12 Gas Storage Field

Location:	QT QT QT	Sec	Township	Range	Township Name	County	Feet From Section Line	Feet From DRLG Unit Line
SL:	SENESE		12 28N	6W	COLD SPRINGS	KALKASKA	1750 S 300 E	
BHL:	NESWSE		12 28N	6W	COLD SPRINGS	KALKASKA	700 S 1850 E	

61345      8/3/2018      104      WEST BAY EXPLORATION COMPANY

13685 S WEST BAYSHORE DR  
TRAVERSE CITY, MI 49684

API Well No: 21-035-62005-01-00

Prev Permit: 61332

Well Name: HAMPTON 1-24A

Surface Owner: Stanley and Brenda  
Hampton

Well Type: Oil Well

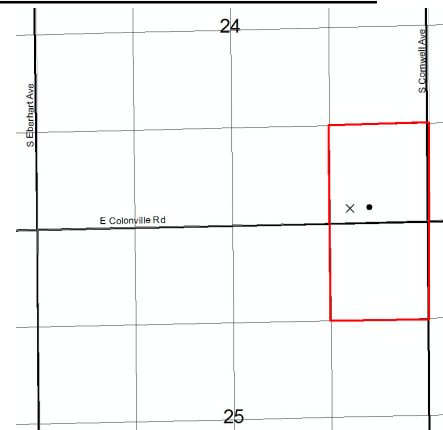
True Vertical Depth: 4150FT

Permit Type: Deepen

Target Formation: DUNDEE

H2S Present? Yes

Deepest Formation: DUNDEE



Re-entry of PN61332. Drilling unit:  
80A R 303 voluntary pooling. SE/4  
SE/4 Sec. 24 & NE/4 NE/4 Sec. 25

Location:	QT QT QT	Sec	Township	Range	Township Name	County	Feet From Section Line	Feet From DRLG Unit Line
SL:	SWSESE		24 17N	4W	GRANT	CLARE	181 S 1079 E	
BHL:	SWSESE		24 17N	4W	GRANT	CLARE	290 S 890 E	1032 N 436 W

Michigan Department of Environmental Quality  
Oil, Gas and Minerals Division  
Updated Permits  
7/30/2018 THRU 8/3/2018



Permit Number      Permittee Number      Permittee Name

**PLUGGING INSTRUCTIONS ISSUED:**

42690                  6371                  BREITBURN OPERATING LIMITED  
PARTNERSHIP  
  
515 S. FLOWER STREET STE 4800  
LOS ANGELES, CA 90071

API Well Number: 21-017-42690-00-00

Well Name: FRANCIS 1-1

Plug Inst. Issue Date: 7/26/2018

Location	QT QT QT	Sec	Township	Range	Township Name	County	Feet From Section Line	Feet From DRLG Unit
SL:	SENWSW	1	14N	4E	MONITOR	BAY	1139 N 985 W	1500 S 985 W

Comment: App. to P&A expires 7/26/19.

Michigan Department of Environmental Quality  
Oil, Gas and Minerals Division  
Updated Permits  
7/30/2018 THRU 8/3/2018



Permit Number      Permittee Number      Permittee Name

9212                      491                      CONSUMERS ENERGY CO  
  
1945 W PARNALL RD  
JACKSON, MI 49201

API Well Number: 21-035-09212-00-00

Well Name: M G S C 627

Plug Inst. Issue Date: 8/1/2018

Location	QT QT QT	Sec	Township	Range	Township Name	County	Feet From Section Line	Feet From DRLG Unit
SL:	CNSE	30	20N	6W	WINTERFIELD	CLARE	1320 S 1320 W	1320 N 1320 E

Comment: App. to P&A expires 8/1/19.

9626                      491                      CONSUMERS ENERGY CO  
  
1945 W PARNALL RD  
JACKSON, MI 49201

API Well Number: 21-035-09626-00-00

Well Name: M G S C 643

Plug Inst. Issue Date: 8/1/2018

Location	QT QT QT	Sec	Township	Range	Township Name	County	Feet From Section Line	Feet From DRLG Unit
SL:	CNSW	27	20N	6W	WINTERFIELD	CLARE	1320 S 1320 W	1320 N 1320 E

Comment: App. to P&A expires 8/1/19.

Michigan Department of Environmental Quality  
Oil, Gas and Minerals Division  
Updated Permits  
7/30/2018 THRU 8/3/2018



Permit Number      Permittee Number      Permittee Name

15896      491      CONSUMERS ENERGY CO  
  
1945 W PARNALL RD  
JACKSON, MI 49201

API Well Number: 21-035-15896-00-00

Well Name: MICHIGAN GAS STORAGE  
COMPANY 461

Plug Inst. Issue Date: 8/1/2018

Location	QT QT QT	Sec	Township	Range	Township Name	County	Feet From Section Line	Feet From DRLG Unit
SL:	CNSE	4	19N	6W	REDDING	CLARE	1170 S 1170 W	1170 S 1170 W

Comment: App. to P&A expires 8/1/19.

16912      491      CONSUMERS ENERGY CO  
  
1945 W PARNALL RD  
JACKSON, MI 49201

API Well Number: 21-035-16912-00-00

Well Name: M G S C 473

Plug Inst. Issue Date: 8/1/2018

Location	QT QT QT	Sec	Township	Range	Township Name	County	Feet From Section Line	Feet From DRLG Unit
SL:	CNSES	3	20N	6W	WINTERFIELD	CLARE	710 S 660 E	710 S 660 E

Comment: App. to P&A expires 8/1/19.

Michigan Department of Environmental Quality  
 Oil, Gas and Minerals Division  
 Updated Permits  
 7/30/2018 THRU 8/3/2018



Permit Number      Permittee Number      Permittee Name

24195      5951      PAN GAS STORAGE LLC DBA  
 SOUTHWEST GAS

1300 MAIN STREET  
 HOUSTON, TX 77002

API Well Number: 21-093-24195-00-00

Well Name: DENKHAUS, NORMAN ET UX ET  
 AL 1-2

Plug Inst. Issue Date: 7/26/2018

Location	QT QT QT	Sec	Township	Range	Township Name	County	Feet From Section Line	Feet From DRLG Unit
SL:	NESENE	2	2N	4E	MARION	LIVINGSTON	1240 S 220 E	120 S 40 E

Comment: App. to P&A expires 7/26/19.

26094      5951      PAN GAS STORAGE LLC DBA  
 SOUTHWEST GAS

1300 MAIN STREET  
 HOUSTON, TX 77002

API Well Number: 21-093-26094-00-00

Well Name: LOUNSBERY 2-7

Plug Inst. Issue Date: 7/26/2018

Location	QT QT QT	Sec	Township	Range	Township Name	County	Feet From Section Line	Feet From DRLG Unit
SL:	SWSESE	7	2N	5E	GENOA	LIVINGSTON	400 S 980 E	400 S 980 E

Comment: App. to P&A expires 7/26/19.

Michigan Department of Environmental Quality  
Oil, Gas and Minerals Division  
Updated Permits  
7/30/2018 THRU 8/3/2018



Permit Number      Permittee Number      Permittee Name

26103      5951      PAN GAS STORAGE LLC DBA  
SOUTHWEST GAS

1300 MAIN STREET  
HOUSTON, TX 77002

API Well Number: 21-093-26103-00-00

Well Name: HAINE 1-8

Plug Inst. Issue Date: 7/26/2018

Location	QT QT QT	Sec	Township	Range	Township Name	County	Feet From Section Line	Feet From DRLG Unit
SL:	S2SESW	8	2N	5E	GENOA	LIVINGSTON	50 S 994 E	50 S 309 W

Comment: App. to P&A expires 7/26/19.

26104      5951      PAN GAS STORAGE LLC DBA  
SOUTHWEST GAS

1300 MAIN STREET  
HOUSTON, TX 77002

API Well Number: 21-093-26104-00-00

Well Name: KUHNS 1-5

Plug Inst. Issue Date: 7/26/2018

Location	QT QT QT	Sec	Township	Range	Township Name	County	Feet From Section Line	Feet From DRLG Unit
SL:	CNSWSW	5	2N	5E	GENOA	LIVINGSTON	532 S 695 W	532 S 695 W

Comment: App. to P&A expires 7/26/19.



Michigan Department of Environmental Quality  
Oil, Gas and Minerals Division  
Updated Permits  
7/30/2018 THRU 8/3/2018



Permit Number      Permittee Number      Permittee Name

26105      5951      PAN GAS STORAGE LLC DBA  
SOUTHWEST GAS  
  
1300 MAIN STREET  
HOUSTON, TX 77002

API Well Number: 21-093-26105-00-00

Well Name: KUHNS 2-8

Plug Inst. Issue Date: 7/26/2018

Location	QT QT QT	Sec	Township	Range	Township Name	County	Feet From Section Line	Feet From DRLG Unit
SL:	SENWNW	8	2N	5E	GENOA	LIVINGSTON	960 N 964 W	960 N 964 W

Comment: App. to P&A expires 7/26/19.

26106      5951      PAN GAS STORAGE LLC DBA  
SOUTHWEST GAS  
  
1300 MAIN STREET  
HOUSTON, TX 77002

API Well Number: 21-093-26106-00-00

Well Name: LOUNSBERRY 1-18

Plug Inst. Issue Date: 7/26/2018

Location	QT QT QT	Sec	Township	Range	Township Name	County	Feet From Section Line	Feet From DRLG Unit
SL:	NENENE	18	2N	5E	GENOA	LIVINGSTON	10 N 130 E	590 N 70 W

Comment: App. to P&A expires 7/26/19.

Michigan Department of Environmental Quality  
Oil, Gas and Minerals Division  
Updated Permits  
7/30/2018 THRU 8/3/2018



Permit Number      Permittee Number      Permittee Name

26107      5951      PAN GAS STORAGE LLC DBA  
SOUTHWEST GAS  
  
1300 MAIN STREET  
HOUSTON, TX 77002

API Well Number: 21-093-26107-00-00

Well Name: LOUNSBERY 1-7

Plug Inst. Issue Date: 7/26/2018

Location	QT QT QT	Sec	Township	Range	Township Name	County	Feet From Section Line	Feet From DRLG Unit
SL:	W2SWSE	7	2N	5E	GENOA	LIVINGSTON	734 S 440 W	734 S 440 W

Comment: App. to P&A expires 7/26/19.

26116      5951      PAN GAS STORAGE LLC DBA  
SOUTHWEST GAS  
  
1300 MAIN STREET  
HOUSTON, TX 77002

API Well Number: 21-093-26116-00-00

Well Name: MERRELL 1-2

Plug Inst. Issue Date: 7/26/2018

Location	QT QT QT	Sec	Township	Range	Township Name	County	Feet From Section Line	Feet From DRLG Unit
SL:	NWNENW	2	2N	4E	MARION	LIVINGSTON	123 N 1115 E	123 N 1115 E

Comment: App. to P&A expires 7/26/19.

Michigan Department of Environmental Quality  
Oil, Gas and Minerals Division  
Updated Permits  
7/30/2018 THRU 8/3/2018



Permit Number      Permittee Number      Permittee Name

26774      5951      PAN GAS STORAGE LLC DBA  
SOUTHWEST GAS  
  
1300 MAIN STREET  
HOUSTON, TX 77002

API Well Number: 21-093-26774-00-00

Well Name: RICHARDS, PHANETTE E 2-6

Plug Inst. Issue Date: 7/26/2018

Location	QT QT QT	Sec	Township	Range	Township Name	County	Feet From Section Line	Feet From DRLG Unit
SL:	NEESE	6	2N	5E	GENOA	LIVINGSTON	1100 S 75 E	1100 S 75 E

Comment: App. to P&A expires 7/26/19.

33084      40      MUSKEGON DEVELOPMENT  
COMPANY  
  
1425 S MISSION RD  
MOUNT PLEASANT, MI 48858

API Well Number: 21-129-33084-00-00

Well Name: NELSON, V "A" P-16

Plug Inst. Issue Date: 4/8/2014

Location	QT QT QT	Sec	Township	Range	Township Name	County	Feet From Section Line	Feet From DRLG Unit
SL:	SWNESE	34	22N	2E	WEST BRANCH	OGEMAW	990 N 990 E	

Comment: App. to P&A expires 4/8/15.

Michigan Department of Environmental Quality  
Oil, Gas and Minerals Division  
Updated Permits  
7/30/2018 THRU 8/3/2018



Permit Number      Permittee Number      Permittee Name

**RECORD OF WELL PLUGGING:**

29980            5512            MERIT ENERGY CO  
  
13727 NOEL RD, STE 1200  
DALLAS, TX 75240

API Well Number: 21-101-29980-00-00

Well Name: STATE MANISTEE & RYDER 1-24

Plugging Date: 7/16/2018

Location	QT QT QT	Sec	Township	Range	Township Name	County	Feet From Section Line	Feet From DRLG Unit
SL:	CNE2SW	24	22N	16W	MANISTEE	MANISTEE	1250 N 860 E	1250 N 460 W

30613            5512            MERIT ENERGY CO  
  
13727 NOEL RD, STE 1200  
DALLAS, TX 75240

API Well Number: 21-101-30613-00-00

Well Name: RECKOW ET AL 2-25

Plugging Date: 7/6/2018

Location	QT QT QT	Sec	Township	Range	Township Name	County	Feet From Section Line	Feet From DRLG Unit
SL:	SESWNW	25	23N	15W	BEAR LAKE	MANISTEE	643 S 756 W	643 S 555 E

Michigan Department of Environmental Quality  
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7/30/2018 THRU 8/3/2018



Permit Number      Permittee Number      Permittee Name

53091      4745      BELDEN AND BLAKE CORP DBA  
WARD LAKE ENERGY  
685 EAST M-32 SUITE 201  
GAYLORD, MI 49735

API Well Number: 21-101-31053-01-00

Well Name: STATE SPRINGDALE 14-29

Plugging Date: 7/12/2018

Location	QT QT QT	Sec	Township	Range	Township Name	County	Feet From Section Line	Feet From DRLG Unit
SL:	NWSESW	29	24N	14W	SPRINGDALE	MANISTEE	865 S 1205 E	452 N 1205 E

52360      4745      BELDEN AND BLAKE CORP DBA  
WARD LAKE ENERGY  
685 EAST M-32 SUITE 201  
GAYLORD, MI 49735

API Well Number: 21-101-52360-00-00

Well Name: PIESCZAK C2-31

Plugging Date: 7/17/2018

Location	QT QT QT	Sec	Township	Range	Township Name	County	Feet From Section Line	Feet From DRLG Unit
SL:	SWNESW	31	24N	14W	SPRINGDALE	MANISTEE	707 N 914 E	707 N 380 W

Michigan Department of Environmental Quality  
Oil, Gas and Minerals Division  
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7/30/2018 THRU 8/3/2018



Permit Number      Permittee Number      Permittee Name

56680      4745      BELDEN AND BLAKE CORP DBA  
WARD LAKE ENERGY  
685 EAST M-32 SUITE 201  
GAYLORD, MI 49735

API Well Number: 21-137-40164-01-00

Well Name: DOWKER D3-21

Plugging Date: 6/20/2018

Location	QT QT QT	Sec	Township	Range	Township Name	County	Feet From Section Line	Feet From DRLG Unit
SL:	NWSWSE	21	30N	1W	CHARLTON	OTSEGO	963 S 2320 E	963 S 337 W

56636      4745      BELDEN AND BLAKE CORP DBA  
WARD LAKE ENERGY  
685 EAST M-32 SUITE 201  
GAYLORD, MI 49735

API Well Number: 21-137-40171-01-00

Well Name: TOWNSEND C2-21

Plugging Date: 6/11/2018

Location	QT QT QT	Sec	Township	Range	Township Name	County	Feet From Section Line	Feet From DRLG Unit
SL:	NWNESW	21	30N	1W	CHARLTON	OTSEGO	2234 S 1617 W	370 N 1029 E

Michigan Department of Environmental Quality  
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Permit Number      Permittee Number      Permittee Name

56637      4745      BELDEN AND BLAKE CORP DBA  
WARD LAKE ENERGY  
  
685 EAST M-32 SUITE 201  
GAYLORD, MI 49735

API Well Number: 21-137-56637-00-00

Well Name: TOWNSEND D1-21

Plugging Date: 6/13/2018

Location	QT QT QT	Sec	Township	Range	Township Name	County	Feet From Section Line	Feet From DRLG Unit
SL:	NWSWSW	21	30N	1W	CHARLTON	OTSEGO	960 S 427 W	340 N 427 W

56681      4745      BELDEN AND BLAKE CORP DBA  
WARD LAKE ENERGY  
  
685 EAST M-32 SUITE 201  
GAYLORD, MI 49735

API Well Number: 21-137-56681-00-00

Well Name: HAGADORN ET AL C4-21

Plugging Date: 6/15/2018

Location	QT QT QT	Sec	Township	Range	Township Name	County	Feet From Section Line	Feet From DRLG Unit
SL:	NWNESE	21	30N	1W	CHARLTON	OTSEGO	2210 S 736 E	407 N 597 W

Michigan Department of Environmental Quality  
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 7/30/2018 THRU 8/3/2018



Permit Number      Permittee Number      Permittee Name

28587      6501      MARYSVILLE HYDROCARBONS LLC  
 2510 BUSHA HWY.  
 MARYSVILLE, MI 48040

API Well Number: 21-147-28587-00-00

Well Name: FB 7006W

Plugging Date: 6/30/2018

Location	QT QT QT	Sec	Township	Range	Township Name	County	Feet From Section Line	Feet From DRLG Unit
SL:	NWNWNW	7	5N	17E	SAINT CLAIR	SAINT CLAIR	230 N 250 W	230 N 250 W



Michigan Department of Environmental Quality  
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 7/30/2018 THRU 8/3/2018



Permit Number      Permittee Number      Permittee Name

**PERMIT TERMINATIONS:**

60919                  5280                  JORDAN DEVELOPMENT COMPANY  
 LLC

1503 GARFIELD RD NORTH  
 TRAVERSE CITY, MI 49696

API Well Number: 21-051-60919-00-00

Well Name: GROVE 2-14

Termination Date: 7/31/2018

Location	QT QT QT	Sec	Township	Range	Township Name	County	Feet From Section Line	Feet From DRLG Unit
SL:	NENENE	14	19N	2W	SAGE	GLADWIN	647 N 350 E	647 N 350 E