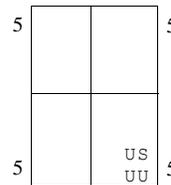


MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY  
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 PERMIT APPLICATIONS  
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APPLICATION NUMBER	DATE RECEIVED	PERMITTEE NUMBER	PERMITTEE NAME	
A130086	05/30/2013	5991	SLOW STROKE PRODUCTIONS LLC 7120 8 MILE ROAD HESPERIA, MI 49421	Drilling Unit

WELL NAME:	VANDERLEY 2-5	SURF OWNER:	ALVESTEFFER, LAURA
WELL TYPE:	OIL WELL	PROPOSED DEPTH:	2110 FT
PERMIT TYPE:	NEW WELL	TARGET FORMATION:	TRAVERSE
H2S PRESENT?	No	DEEPEST FORMATION:	TRAVERSE

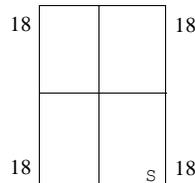


LOCATION:	QT QT QT	SEC	T	R	TOWNSHIP	COUNTY	FEET FROM SECTION LINE	FEET FROM DRLG UNIT LINE
SL	NESESE	5	14N	14W	DENVER	NEWAYGO	1179 S 425 E	141 N 425 E

DESC: SPACING EXCEPTION, ORDER 12-2014

APPLICATION NUMBER	DATE RECEIVED	PERMITTEE NUMBER	PERMITTEE NAME	
A130179	09/18/2013	70	TRENDWELL ENERGY CORP 10 E BRIDGE ST STE 200 PO BOX 560 ROCKFORD, MI 49341-0560	Drilling Unit

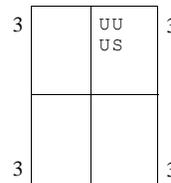
WELL NAME:	SECOR D4-18 SWD	SURF OWNER:	STANLEY AND JEANETTE SECOR
WELL TYPE:	BRINE DISPOSAL WELL	PROPOSED DEPTH:	1300 FT
PERMIT TYPE:	NEW WELL	TARGET FORMATION:	NIAGARAN
H2S PRESENT?	No	DEEPEST FORMATION:	CINCINNATIAN



LOCATION:	QT QT QT	SEC	T	R	TOWNSHIP	COUNTY	FEET FROM SECTION LINE	FEET FROM DRLG UNIT LINE
SL	SESESE	18	7S	6E	SUMMERFIELD	MONROE	289 S 407 E	

APPLICATION NUMBER	DATE RECEIVED	PERMITTEE NUMBER	PERMITTEE NAME	
A140087	07/03/2014	6042	HARDY AND HARDY CONSULTING LLC PO BOX 332 DEWITT, MI 48820	Drilling Unit

WELL NAME:	CITY OF MASON 8-3	SURF OWNER:	D&B HUNT CLUB
WELL TYPE:	OIL WELL	PROPOSED DEPTH:	3500 FT
PERMIT TYPE:	NEW WELL	TARGET FORMATION:	DUNDEE
H2S PRESENT?	No	DEEPEST FORMATION:	DUNDEE



LOCATION:	QT QT QT	SEC	T	R	TOWNSHIP	COUNTY	FEET FROM SECTION LINE	FEET FROM DRLG UNIT LINE
SL	SENWNE	3	13N	2W	JASPER	MIDLAND	843 N 1857 E	678 S 535 E

DESC: S.O. (A) 5-3-98; MIDLAND DUNDEE-DETROIT RIVER FIELD

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

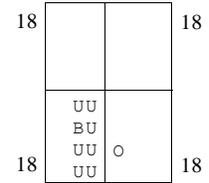
OFFICE OF OIL, GAS, AND MINERALS

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APPLICATION NUMBER	DATE RECEIVED	PERMITTEE NUMBER	PERMITTEE NAME	Drilling Unit		
A140138	09/03/2014	104	WEST BAY EXPLORATION CO STE 200 13685 S WEST BAYSHORE DR TRAVERSE CITY, MI 49684	18 <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td> </td><td> </td></tr></table> 18		

WELL NAME: TLB ASSOCIATES 1-18 SURF OWNER: TLB ASSOCIATES, INC  
 WELL TYPE: OIL WELL PROPOSED DEPTH: 4931 FT  
 PERMIT TYPE: NEW WELL TARGET FORMATION: TRENTON-BLACK RIVER  
 H2S PRESENT? No DEEPEST FORMATION: PRAIRIE DU CHIEN

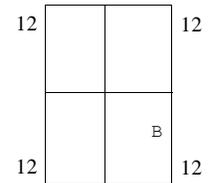


LOCATION:	QT	QT	QT	SEC	T	R	TOWNSHIP	COUNTY	FEET FROM SECTION LINE	FEET FROM DRLG UNIT LINE
SL	SWSWSE	18	5N	17E	SAINT CLAIR	SAINT CLAIR	SAINT CLAIR	SAINT CLAIR	632 S 2598 E	
BHL	SWNESW	18	5N	17E	SAINT CLAIR	SAINT CLAIR	SAINT CLAIR	SAINT CLAIR	1370 S 1650 W	1272 N 330 W

DESC: R303 EXCEPTION REQUESTED, 80 ACRES

APPLICATION NUMBER	DATE RECEIVED	PERMITTEE NUMBER	PERMITTEE NAME	Drilling Unit		
A140187	12/16/2014	5302	TIGER DEVELOPMENT LLC 12100 E SPINNAKER LANE SUTTONS BAY, MI 49682-9594	12 <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td> </td><td> </td></tr></table> 12		

WELL NAME: STATE GARFIELD C4-12 HD1 SURF OWNER: STATE OF MICHIGAN  
 WELL TYPE: OIL WELL PROPOSED DEPTH: 16490 FT  
 PERMIT TYPE: NEW WELL TARGET FORMATION: UTICA-COLLINGWOOD  
 H2S PRESENT? Yes DEEPEST FORMATION: UTICA-COLLINGWOOD

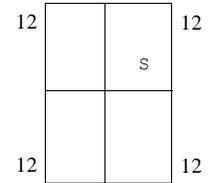


LOCATION:	QT	QT	QT	SEC	T	R	TOWNSHIP	COUNTY	FEET FROM SECTION LINE	FEET FROM DRLG UNIT LINE
SL	SWSESE	13	25N	6W	GARFIELD	GARFIELD	GARFIELD	KALKASKA	330 S 860 E	
BHL	NENESE	12	25N	6W	GARFIELD	GARFIELD	GARFIELD	KALKASKA	2172 S 469 E	465 N 469 E

DESC: R303 EXCEPTION REQUESTED, 960 ACRES (ALL SECTION 13 & S/2 SECTION 12). WELL MAY BE COMPLETED USING HIGH VOLUME HYDRAULIC FRACTURING. SUPERVISOR'S INSTRUCTION 1-2011 APPLIES.

APPLICATION NUMBER	DATE RECEIVED	PERMITTEE NUMBER	PERMITTEE NAME	Drilling Unit		
A140202	12/29/2014	6003	SUNOCO PARTNERS MARKETING AND TERMINALS LP 1801 MARKET STREET PHILADELPHIA, PA 19103	12 <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td> </td><td>S</td></tr></table> 12		S
	S					

WELL NAME: BRINE DISPOSAL WELL BDW 2 SURF OWNER: SUNOCO PIPELINE, LP  
 WELL TYPE: BRINE DISPOSAL WELL PROPOSED DEPTH: 4970 FT  
 PERMIT TYPE: NEW WELL TARGET FORMATION: EAU CLAIRE  
 H2S PRESENT? No DEEPEST FORMATION: MOUNT SIMON

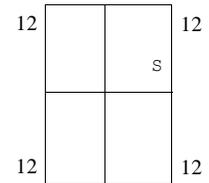


LOCATION:	QT	QT	QT	SEC	T	R	TOWNSHIP	COUNTY	FEET FROM SECTION LINE	FEET FROM DRLG UNIT LINE
SL	NWSENE	12	3S	9E	ROMULUS	ROMULUS	ROMULUS	WAYNE	1600 N 1075 E	

DESC: EAU CLARE / MOUNT SIMON DISPOSAL ZONES PROPOSED

APPLICATION NUMBER	DATE RECEIVED	PERMITTEE NUMBER	PERMITTEE NAME	Drilling Unit		
A140203	12/29/2014	6003	SUNOCO PARTNERS MARKETING AND TERMINALS LP 1801 MARKET STREET PHILADELPHIA, PA 19103	12 <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td> </td><td>S</td></tr></table> 12		S
	S					

WELL NAME: BRINE DISPOSAL WELL BDW 3 SURF OWNER: SUNOCO PIPELINE, LP  
 WELL TYPE: BRINE DISPOSAL WELL PROPOSED DEPTH: 4970 FT  
 PERMIT TYPE: NEW WELL TARGET FORMATION: EAU CLAIRE  
 H2S PRESENT? No DEEPEST FORMATION: MOUNT SIMON



LOCATION:	QT	QT	QT	SEC	T	R	TOWNSHIP	COUNTY	FEET FROM SECTION LINE	FEET FROM DRLG UNIT LINE
SL	NESENE	12	3S	9E	ROMULUS	ROMULUS	ROMULUS	WAYNE	1529 N 396 E	

DESC: EAU CLARE / MOUNT SIMON DISPOSAL ZONES PROPOSED

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APPLICATION NUMBER	DATE RECEIVED	PERMITTEE NUMBER	PERMITTEE NAME					
A150013	02/20/2015	6042	HARDY AND HARDY CONSULTING LLC PO BOX 332 DEWITT, MI 48820	Drilling Unit 3 3				
PREV PERMIT:	41791							
WELL NAME:	STATE JASPER & CONLEY	1-3 SWD	SURF OWNER: JACK FRANK					
WELL TYPE:	BRINE DISPOSAL WELL		PROPOSED DEPTH: 4975 FT	3 S 3				
PERMIT TYPE:	RE-ENTRY		TARGET FORMATION: SYLVANIA					
H2S PRESENT?	No		DEEPEST FORMATION: BOIS BLANC					
LOCATION:	QT QT QT	SEC	T	R	TOWNSHIP	COUNTY	FEET FROM SECTION LINE	FEET FROM DRLG UNIT LINE
SL	NWSESW	3	13N	2W	JASPER	MIDLAND	930 S	1892 W

APPLICATION NUMBER	DATE RECEIVED	PERMITTEE NUMBER	PERMITTEE NAME					
A150018	03/18/2015	6540	AXIA ENERGY II LLC 1430 LARIMER STREET SUITE 400 DENVER, CO 80202	Drilling Unit 20 20				
WELL NAME:	PEASE	20-131 SWD	SURF OWNER: DAVID PEASE					
WELL TYPE:	BRINE DISPOSAL WELL		PROPOSED DEPTH: 3233 FT	B S 20 20				
PERMIT TYPE:	NEW WELL		TARGET FORMATION: CINCINNATIAN					
H2S PRESENT?	No		DEEPEST FORMATION: NIAGARAN					
LOCATION:	QT QT QT	SEC	T	R	TOWNSHIP	COUNTY	FEET FROM SECTION LINE	FEET FROM DRLG UNIT LINE
SL	NWNESW	20	3S	9W	CLIMAX	KALAMAZOO	2162 S	1686 W
BHL	NWNWSW	20	3S	9W	CLIMAX	KALAMAZOO	2166 S	339 W

APPLICATION NUMBER	DATE RECEIVED	PERMITTEE NUMBER	PERMITTEE NAME					
A150030	04/15/2015	6564	WYOTEX DRILLING VENTURES LLC PO BOX 280969 5360 SOUTH MARSHALL ST LAKEWOOD, CO 80228-0969	Drilling Unit 26 26				
WELL NAME:	STATE GREEN LAKE & DOWD	2-26P	SURF OWNER: WILLIAM & JANET VAN DEBOGART					
WELL TYPE:	OIL WELL		PROPOSED DEPTH: 5700 FT	UU III UU US 26 26				
PERMIT TYPE:	NEW WELL		TARGET FORMATION: NIAGARAN GRAY					
H2S PRESENT?	No		DEEPEST FORMATION: NIAGARAN GRAY					
LOCATION:	QT QT QT	SEC	T	R	TOWNSHIP	COUNTY	FEET FROM SECTION LINE	FEET FROM DRLG UNIT LINE
SL	SENESE	26	26N	12W	GREEN LAKE	GRAND TRAVERSE	1736 S	491 E
BHL	SENESE	26	26N	12W	GREEN LAKE	GRAND TRAVERSE	1736 S	491 E

APPLICATION NUMBER	DATE RECEIVED	PERMITTEE NUMBER	PERMITTEE NAME					
A150031	04/15/2015	6564	WYOTEX DRILLING VENTURES LLC PO BOX 280969 5360 SOUTH MARSHALL ST LAKEWOOD, CO 80228-0969	Drilling Unit 26 26				
WELL NAME:	STATE GREEN LAKE & DOWD	2-26 HD1	SURF OWNER: WILLIAM & JANET VAN DEBOGART					
WELL TYPE:	OIL WELL		PROPOSED DEPTH: 6976 FT	UB III UU US 26 26				
PERMIT TYPE:	NEW WELL		TARGET FORMATION: A-1 CARBONATE					
H2S PRESENT?	No		DEEPEST FORMATION: A-1 CARBONATE					
LOCATION:	QT QT QT	SEC	T	R	TOWNSHIP	COUNTY	FEET FROM SECTION LINE	FEET FROM DRLG UNIT LINE
SL	SENESE	26	26N	12W	GREEN LAKE	GRAND TRAVERSE	1736 S	491 E
BHL	NESENE	26	26N	12W	GREEN LAKE	GRAND TRAVERSE	1803 N	460 E

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APPLICATION NUMBER	DATE RECEIVED	PERMITTEE NUMBER	PERMITTEE NAME					
A150089	10/06/2015	6564	WYOTEX DRILLING VENTURES LLC PO BOX 280969 5360 SOUTH MARSHALL ST LAKEWOOD, CO 80228-0969	Drilling Unit 16 <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>UU</td><td>UU</td></tr><tr><td>UU</td><td>US</td></tr></table> 16	UU	UU	UU	US
UU	UU							
UU	US							

WELL NAME:	STATE GRANT 4-16 P	SURF OWNER:	STATE OF MICHIGAN
WELL TYPE:	OIL WELL	PROPOSED DEPTH:	6000 FT
PERMIT TYPE:	NEW WELL	TARGET FORMATION:	NIAGARAN GRAY
H2S PRESENT?	No	DEEPEST FORMATION:	NIAGARAN GRAY

LOCATION:	QT QT QT	SEC	T	R	TOWNSHIP	COUNTY	FEET FROM SECTION LINE	FEET FROM DRLG UNIT LINE
SL	SWSWNE	16	25N	12W	GRANT	GRAND TRAVERSE	2216 N 2053 E	379 S 591 W

DESC: NON-PRODUCING PILOT FOR HORIZONTAL WELL STATE GRANT 4-16 HD1.

A150090	10/06/2015	6564	WYOTEX DRILLING VENTURES LLC PO BOX 280969 5360 SOUTH MARSHALL ST LAKEWOOD, CO 80228-0969	Drilling Unit 16 <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>BU</td><td>UU</td></tr><tr><td>UU</td><td>US</td></tr></table> 16	BU	UU	UU	US
BU	UU							
UU	US							

WELL NAME:	STATE GRANT 4-16 HD1	SURF OWNER:	STATE OF MICHIGAN
WELL TYPE:	OIL WELL	PROPOSED DEPTH:	7373 FT
PERMIT TYPE:	NEW WELL	TARGET FORMATION:	A-1 CARBONATE
H2S PRESENT?	No	DEEPEST FORMATION:	A-1 CARBONATE

LOCATION:	QT QT QT	SEC	T	R	TOWNSHIP	COUNTY	FEET FROM SECTION LINE	FEET FROM DRLG UNIT LINE
SL	SWSWNE	16	25N	12W	GRANT	GRAND TRAVERSE	2216 N 2053 E	379 S 591 W
BHL	NWNWNE	16	25N	12W	GRANT	GRAND TRAVERSE	460 N 2190 E	460 N 460 W

A150092	10/14/2015	2221	TOLAS OIL AND GAS EXPLORATION CO PO BOX 308 306 E BROADWAY ST STE 1 MOUNT PLEASANT, MI 48858	Drilling Unit 15 <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>UU</td><td>UU</td></tr><tr><td>US</td><td>UU</td></tr></table> 15	UU	UU	US	UU
UU	UU							
US	UU							

WELL NAME:	CHARTER 1-15	SURF OWNER:	KEITH AND BETH A CHARTER
WELL TYPE:	OIL WELL	PROPOSED DEPTH:	3250 FT
PERMIT TYPE:	NEW WELL	TARGET FORMATION:	DUNDEE
H2S PRESENT?	Yes	DEEPEST FORMATION:	DUNDEE

LOCATION:	QT QT QT	SEC	T	R	TOWNSHIP	COUNTY	FEET FROM SECTION LINE	FEET FROM DRLG UNIT LINE
SL	SESESW	15	10N	5W	CRYSTAL	MONTCALM	29 S 2199 W	1290 N 460 E

DESC: R303 EXCEPTION REQUESTED, 80-ACRES

A150095	10/30/2015	5280	JORDAN DEVELOPMENT CO LLC 1503 GARFIELD RD NORTH TRAVERSE CITY, MI 49686-9005	Drilling Unit 27 <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>UU</td><td>UU</td></tr><tr><td>UU</td><td>US</td></tr></table> 27	UU	UU	UU	US
UU	UU							
UU	US							

WELL NAME:	WORD OF FAITH 16-27	SURF OWNER:	WORD OF FAITH INTERNATIONAL CHRISTI
WELL TYPE:	OIL WELL	PROPOSED DEPTH:	2900 FT
PERMIT TYPE:	NEW WELL	TARGET FORMATION:	NIAGARAN
H2S PRESENT?	No	DEEPEST FORMATION:	NIAGARAN GRAY

LOCATION:	QT QT QT	SEC	T	R	TOWNSHIP	COUNTY	FEET FROM SECTION LINE	FEET FROM DRLG UNIT LINE
SL	SESESE	27	1N	10E	SOUTHFIELD	OAKLAND	330 S 670 E	330 S 670 E

DESC: IRREGULAR SECTION

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APPLICATION NUMBER	DATE RECEIVED	PERMITTEE NUMBER	PERMITTEE NAME									
A150101	12/16/2015	70	TRENDWELL ENERGY CORP 10 E BRIDGE ST STE 200 PO BOX 560 ROCKFORD, MI 49341-0560	Drilling Unit 13 <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td></td><td>SU</td></tr><tr><td></td><td>UU</td></tr><tr><td></td><td>UB</td></tr><tr><td></td><td>UU</td></tr></table> 13		SU		UU		UB		UU
	SU											
	UU											
	UB											
	UU											

WELL NAME: REAU 1-13P SURF OWNER: ALAN J AND DAWN R REAU  
 WELL TYPE: OIL WELL PROPOSED DEPTH: 3785 FT  
 PERMIT TYPE: NEW WELL TARGET FORMATION: TRENTON  
 H2S PRESENT? No DEEPEST FORMATION: TRENTON

LOCATION:	QT	QT	QT	SEC	T	R	TOWNSHIP	COUNTY	FEET FROM SECTION LINE	FEET FROM DRLG UNIT LINE
SL	N	W	N	13	6S	5E	RIDGEWAY	LENAWEE	250 N 1280 E	
BHL				13	6S	5E	RIDGEWAY	LENAWEE	1535 N 557 E	1126 S 557 E

DESC: 80A R303 VOLUNTARY POOLED UNIT PROPOSED.

A150102	12/16/2015	70	TRENDWELL ENERGY CORP 10 E BRIDGE ST STE 200 PO BOX 560 ROCKFORD, MI 49341-0560	Drilling Unit 13 <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td></td><td>SU</td></tr><tr><td></td><td>UU</td></tr><tr><td></td><td>UU</td></tr><tr><td></td><td>UB</td></tr></table> 13		SU		UU		UU		UB
	SU											
	UU											
	UU											
	UB											

WELL NAME: REAU 1-13 HD1 SURF OWNER: ALAN J AND DAWN REAU  
 WELL TYPE: OIL WELL PROPOSED DEPTH: 4205 FT  
 PERMIT TYPE: NEW WELL TARGET FORMATION: TRENTON  
 H2S PRESENT? No DEEPEST FORMATION: TRENTON

LOCATION:	QT	QT	QT	SEC	T	R	TOWNSHIP	COUNTY	FEET FROM SECTION LINE	FEET FROM DRLG UNIT LINE
SL	N	W	N	13	6S	5E	RIDGEWAY	LENAWEE	250 N 1280 E	
BHL				13	6S	5E	RIDGEWAY	LENAWEE	2304 N 357 E	356 S 357 E

DESC: 80A R303 VOLUNTARY POOLED UNIT PROPOSED.

A160002	01/15/2016	6579	CIRCLE D OPERATING LLC PO BOX 664 3915 CREEKSIDE DRIVE TRAVERSE CITY, MI 49684	Drilling Unit 5 <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>SU</td><td></td></tr><tr><td>UU</td><td></td></tr></table> 5	SU		UU	
SU								
UU								

WELL NAME: MALEK 1-5 SURF OWNER: CHARLES MALEK  
 WELL TYPE: OIL WELL PROPOSED DEPTH: 4200 FT  
 PERMIT TYPE: NEW WELL TARGET FORMATION: DETROIT RIVER  
 H2S PRESENT? No DEEPEST FORMATION: BASS ISLANDS

LOCATION:	QT	QT	QT	SEC	T	R	TOWNSHIP	COUNTY	FEET FROM SECTION LINE	FEET FROM DRLG UNIT LINE
SL	N	W	N	5	8N	5W	NORTH PLAINS	IONIA	345 N 405 W	345 N 405 W