



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Tuesday, September 2, 2025
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

EXPAND OPERATING LLC
6100 N WESTERN AVE.

OKLAHOMA CITY, OK 73118

Re: Permit Modification Approval for Deborah Craig OHI 206H
47-069-00369-00-00

Change Landing Point

EXPAND OPERATING LLC

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

If there are any questions, please feel free to contact me at (304) 926- 0450.


James A. Martin
Chief

Operator's Well Number: Deborah Craig OHI 206H
Farm Name: Deborah Ann Craig and Seth Collin Craig
U.S. WELL NUMBER: 47-069-00369-00-00
Horizontal 6A New Drill
Date Modification Issued: 09/02/2025

Promoting a healthy environment.

09/05/2025

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

1) Well Operator: Expand Operating LLC 494533012 069-Ohio 07-Triad 648-Valley Grove
Operator ID County District Quadrangle

2) Operator's Well Number: Deborah Craig OHI 206H Well Pad Name: Deborah Craig

3) Farm Name/Surface Owner: Deborah Ann Craig & Seth Collin Craig Public Road Access: McCutcheon Road

4) Elevation, current ground: 1330' Elevation, proposed post-construction: 1330'

5) Well Type (a) Gas x Oil _____ Underground Storage _____
Other _____

(b) If Gas Shallow x Deep _____
Horizontal x _____

6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Target Formation- Marcellus, Down-Dip well to the South, Target Top TVD- 6496', Target Base TVD- 6549', Anticipated Thickness- 53', Associated Pressure- 4247

8) Proposed Total Vertical Depth: 6705'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 19,128'

11) Proposed Horizontal Leg Length: 11821.52'

12) Approximate Fresh Water Strata Depths: 560'

13) Method to Determine Fresh Water Depths: Nearby Offset Well

14) Approximate Saltwater Depths: 812' Salinity Profile

15) Approximate Coal Seam Depths: 679'

16) Approximate Depth to Possible Void (coal mine, karst, other): None that we are aware of.

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes _____ No x

(a) If Yes, provide Mine Info: Name: _____
Depth: _____
Seam: _____
Owner: _____

CK #6038982
#7500^{ee}
8/14/2025

Strader Gower
8/28/2025

WW-6B
(04/15)

4706900369
API NO. 47-069 -
OPERATOR WELL NO. Deborah Craig OHI 206H
Well Pad Name: Deborah Craig

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20"	New	J-55	94#	136'	136' ✓	CTS
Fresh Water	13 3/8"	New	J-55	54.4#	710'	710' ✓	816 sx/CTS ✓
Coal	See	Surface	Casing				
Intermediate	9 5/8"	New	J-55	36#	2105'	2105' ✓	819 sx/CTS
Production	5 1/2"	New	P-110 HP	20#	19128'	19128' ✓	Tail 3448sx/ 100' Inside Intermediate ✓
Tubing							
Liners							

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	20"	30"	0.25	2120	81	Class A	1.20/30% Excess ✓
Fresh Water	13 3/8"	17.5"	0.330	1730	633	Class A	1.20/30% Excess
Coal	See	Surface	Casing				
Intermediate	9 5/8"	12 1/4"	0.352	3520	1768	Class A	1.19/40% Excess
Production	5 1/2"	8 3/4"-8 1/2"	0.361	14360	10500	Class A	1.19/10-15% Excess
Tubing							
Liners							

PACKERS

Kind:				
Sizes:				
Depths Set:				

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Strader Gower
8/19/2025

WW-6B
(10/14)

4706900369
API NO. 47- 069 -
OPERATOR WELL NO. Deborah Craig OHF 208H
Well Pad Name: Deborah Craig

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Drill and stimulate any potential zones between and including the Benson to Marcellus. **If we should encounter a void place basket above and below void area- balance cement to bottom of void and grout from basket to surface or run external casing packer/cementing stage tool above void interval and perform 2 stage cementing operation dependent upon depth of void. Run casing not less than 20' below void nor more than 75' below void. (*If freshwater is encountered deeper than anticipated it must be protected, set casing 50' below and cts.)

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

Well will be perforated within the target formation and stimulated with a slurry of water, sand, and chemical additives at a high rate. This will be performed in stages with the plug and perf method along the wellbore until the entire lateral has been stimulated within the target formation. All stage plugs are then drilled out and the well is flowed back to surface. In some instances, additional toe prep may be performed by pumping additional water in the toe of the well prior to perforating and pumping Stage 1 to ensure that the toe guns/toe sleeves are fully open prior to pumping stage 1. The well is produced through surface facilities consisting of high pressure production units, horizontal separation units, water and oil storage tanks. Max press and anticipated max rate- 12,500 psi @ 100 barrels a minute.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 16

22) Area to be disturbed for well pad only, less access road (acres): 6

23) Describe centralizer placement for each casing string:

All casing strings will be ran with a centralizer at a minimum of 1 per every 3 joints of casing.

24) Describe all cement additives associated with each cement type:

See Attachment ***

25) Proposed borehole conditioning procedures:

All boreholes will be conditioned with circulation and rotation for a minimum of one bottoms up and continuing until operator is satisfied with borehole conditions.

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Office of Oil and Gas
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WV Department of
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*Note: Attach additional sheets as needed.

4706900369

Expand Energy				Proposed Drilling Program	
Well:	DEBORAH CRAIG OHI 206H			Drilling Rig:	EDC 41
Field:	PANHANDLE FIELD WET			Formation:	Marcellus Shale
County:	OHIO			State:	WV
SHL (NAD83):	40.047890 Latitude	-80.584877 Longitude			
BHL (NAD83):	40.016220 Latitude	-80.569034 Longitude			
KB Elev:	1,356 ft MSL	KB Height: 26 ft AGL	GL Elev:	1,330 ft MSL	

NO COAL VOID EXPECTED

PROD TOC @ 2,105' MD

TUBULAR DETAIL					
Casing String	Casing Size (in)	Weight (Min)	Grade (Min)	Planned Interval	
				From	To
Conductor	20	94.0 #	J-55	0'	136'
Surface/Coal	13.375	54.4 #	J-55	0'	710'
Intermediate	9.625	36.0 #	J-55	0'	2,105'
Production	5.5	20.0 #	P-110 HP	0'	19,128'

CEMENT DETAIL

	Sacks	Class	Density
Conductor	173	A	19.3
Surface	816	A	15.6
Intermediate	819	A	15.6
Production	3448	A	14.5-15.0

136' to 730'

↓

Air/Mist

730' to 2,125'

↓

Air/Mist

2,125' to 6,250'

↓

Air/Mist

TD at 6,250'

6,250' to 7,300'

↓

12.0-12.5 ppg

7,300' to 19,128'

↓

12.5-13.5 ppg

KOP at 6,250' MD

Freshwater Depth - 560' TVD
Coal Depth - 679' TVD
Saltwater Depth - 812' TVD
TVD - 6,705'
TMD - 19,128'

6,534' TVD Target Center

LP at 7,300' MD
SHL Onondaga 6,549' TVD

TD at 19,128' MD
6,705' TVD

Onondaga 6,720' TVD

Created by: Sebastian Ziaja on 08/15/2025

Strader Gower
8/19/2025

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Office of Oil and Gas
AUG 25 2025
WV Department of
Environmental Protection

09/05/2025

August 20, 2025

Mr. Charles Brewer
Office of Oil & Gas
601 57th Street
Charleston, WV 25304

RE: Proposed New Well: Deborah Craig OHI 206H

Dear Mr. Brewer:

SWN has reviewed the area of the above mentioned well and discovered no shallow wells within 500' of the lateral. This well is situated on the DNR C's property, in Cross Creek District, Brooke County, West Virginia.

If you have any questions or desire additional information, please me at 304-884-1613.

Thank you.

Sincerely,

Brittany Woody

Brittany Woody
Staff Regulatory Specialist
Southwestern Energy Production Company, LLC

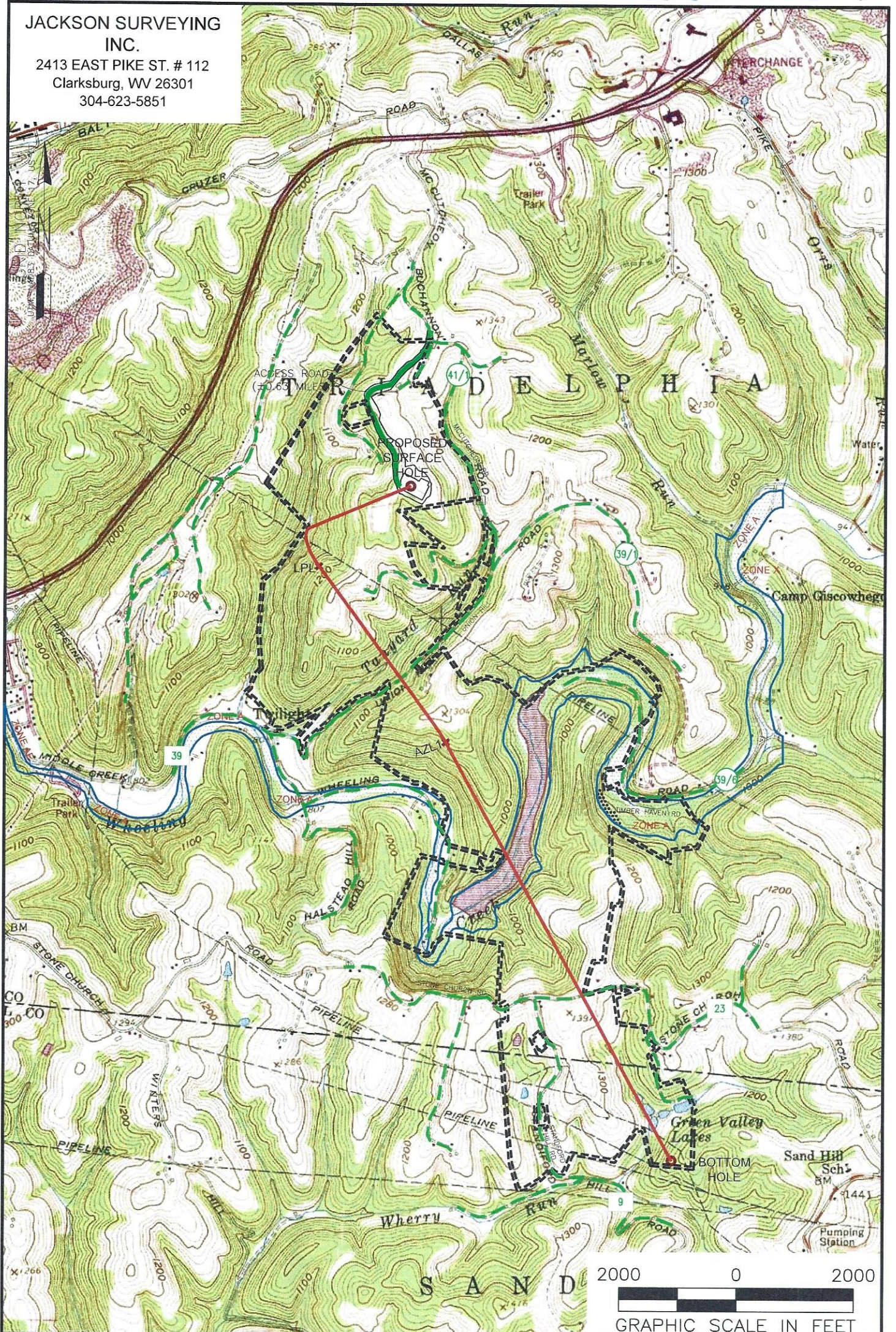
RECEIVED
Office of Oil and Gas
AUG 25 2025
WV Department of
Environmental Protection

$\frac{R^+}{A} \rightarrow V^+$

09/05/2025

JACKSON SURVEYING
INC.

2413 EAST PIKE ST. # 112
Clarksburg, WV 26301
304-623-5851



NOTES ON SURVEY

1. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

LEGEND:

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- EXISTING / PRODUCING WELLHEAD
- LPL* LANDING POINT LOCATION
- FLOOD PLAIN
- 09/05/2025
- PUBLIC ROAD
- ACCESS ROAD TO PREV. SITE
- LEASE BOUNDARY
- PROPOSED PATH

WELL OPERATOR:
SWN PRODUCTION COMPANY, LLC

ADDRESS:
1300 FORT PIERPONT RD. SUITE 200 MORGANTOWN, WV 26508

SURFACE OWNER:
DEBORAH ANN CRAIG & SETH COLLIN CRAIG

WELL (FARM) NAME:
DEBORAH CRAIG OHI

COUNTY - CODE
OHIO - 069

USGS 7 1/2 QUADRANGLE MAP NAME
VALLEY GROVE, WV

WELL # SERIAL #
206H

DISTRICT;
TRIADELPHIA

JACKSON SURVEYING
INC.

2413 EAST PIKE ST. # 112
Clarksburg, WV 26301
304-623-5851

SURFACE HOLE LOCATION (SHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,433,155.126
EASTING: 535,410.066

LANDING POINT LOCATION (LPL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,432,735.404
EASTING: 534,936.162

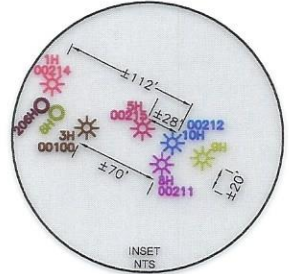
BOTTOM HOLE LOCATION (BHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,429,646.445
EASTING: 536,778.517

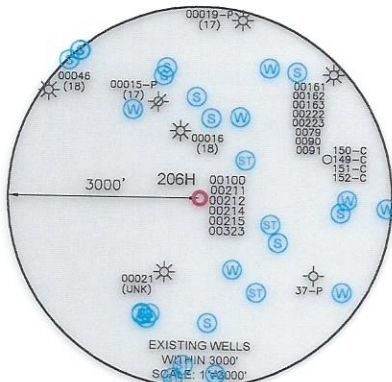
GRID NORTH
UTM, NAD83 DATUM, ZONE 17, US FT

Latitude: 40°02'30"

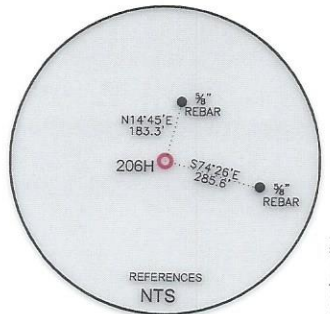
BOTTOM HOLE 7663'



LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 11°18'51" W	2993.78'	SHL TO LANDMARK	SPIKE FOUND
L2	S 79°03'55" E	1202.31'	SHL TO LANDMARK	FENCE POST FOUND
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	S 48°28'11" W	2076.93'	2598.35'	SHL TO LP



BHL



BOTTOM HOLE 9270'

SURFACE HOLE 12912'

Latitude: 80°32'30"

Longitude: 80°35'00"

WELL RESTRICTIONS

1. NO OCCUPIED DWELLINGS > 2500 SQ. FT. WITHIN 625 FEET OF CENTER OF PAD.
2. NO AGRICULTURE BUILDINGS > 2500 SQ. FT. WITHIN 625 FEET OF CENTER OF PAD.
3. WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
4. PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
5. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
6. NO GROUND INTAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY.

NOTES ON SURVEY

1. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 708

David L Jackson



2000 0 2000

GRAPHIC SCALE IN FEET

COMPANY:

expand



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25034

MINIMUM DEGREE OF ACCURACY: 1/200
PROVEN SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)

DEBORAH CRAIG OH

OPERATOR'S WELL #: 206H

API WELL #: 47 069 00369
STATE COUNTY PERMIT

WELL TYPE: OIL ☐ WASTE DISPOSAL ☐ PRODUCTION ☒ DEEP ☐ GAS ☒ LIQUID INJECTION ☐ STORAGE ☐ SHALLOW ☒
WATERSHED: TARYARD RUN OF MIDDLE WHEELING CREEK OF WHEELING CREEK (HUC 10) ELEVATION: 1329.9'
DISTRICT: TRIADDELPHIA COUNTY: OHIO QUADRANGLE: VALLEY GROVE, WV
SURFACE OWNER: DEBORAH ANN CRAIG & SETH COLLIN CRAIG ACREAGE: ±84.63
OIL & GAS ROYALTY OWNER: DEBORAH ANN CRAIG & SETH COLLIN CRAIG ACREAGE: ±84.63
DRILL ☒ DRILL DEEPER ☐ REDRILL ☐ FRACTURE OR STIMULATE ☒ PLUG OFF OLD FORMATION ☐ PERFORATE NEW FORMATION ☒
CONVERT ☐ PLUG & ABANDON ☐ CLEAN OUT & REPLUG ☐ OTHER CHANGE ☐ (SPECIFY)
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,765 TVD 19,128 TMD

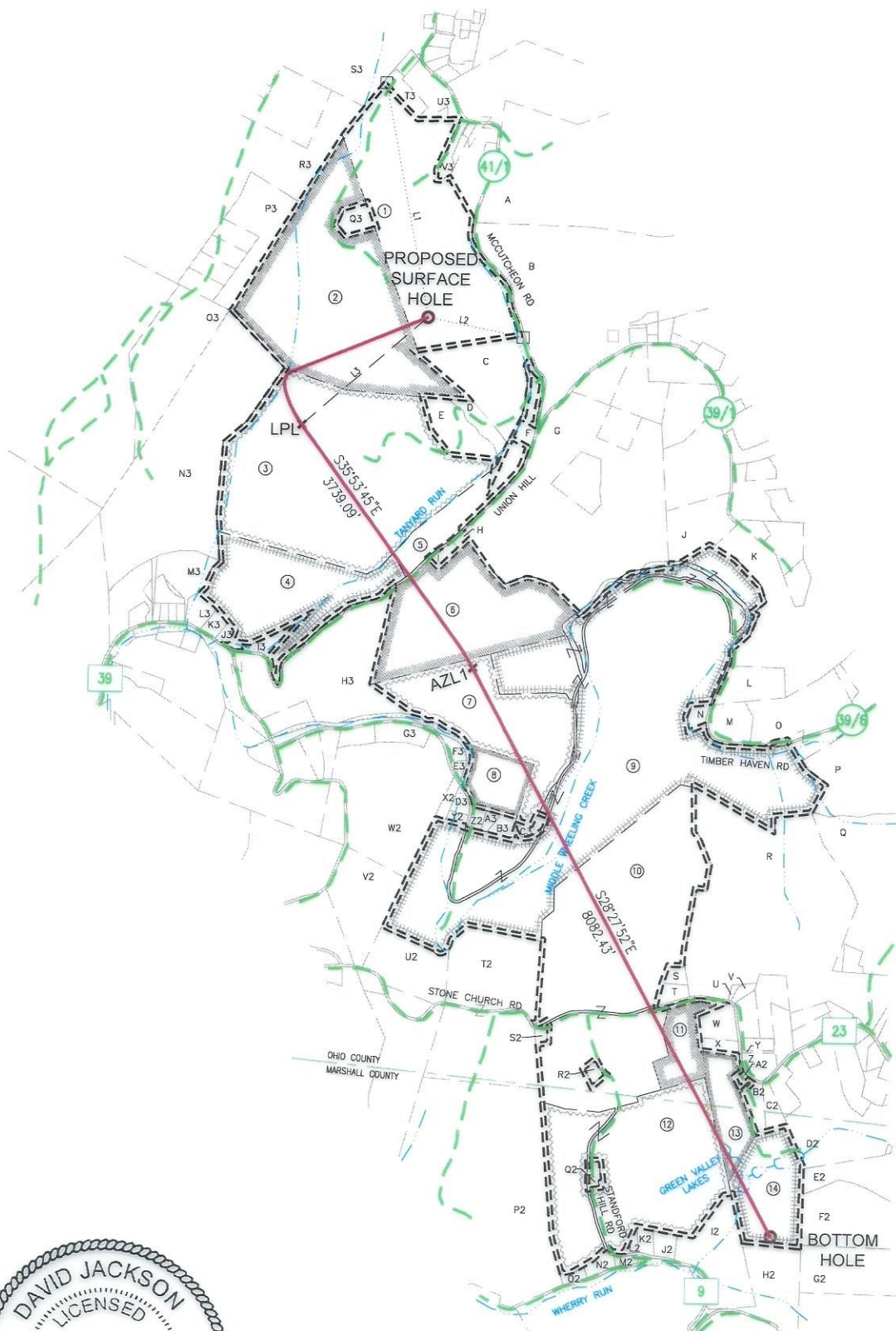
WELL OPERATOR: EXPAND OPERATING LLC DESIGNATED AGENT: BRITTANY WOODY
ADDRESS: 1300 FORT PIERPONT RD. SUITE 200 ADDRESS: 1300 FORT PIERPONT RD. SUITE 200
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND: ☒ PROPOSED SURFACE HOLE / BOTTOM HOLE ☒ SURVEYED BOUNDARY
☒ EXISTING / PRODUCING WELLHEAD ☒ DRILLING UNIT
LPL ☒ LANDING POINT LOCATION ☒ LEASE BOUNDARY
☒ EXISTING WATER WELL ☒ PROPOSED PATH
☒ EXISTING SPRING

REVISIONS: DATE: 08-18-2025
DRAWN BY: N. MANO
SCALE: 1" = 2000'
DRAWING NO:
WELL LOCATION PLAT

JACKSON SURVEYING
INC.

2413 EAST PIKE ST. # 112
Clarksburg, WV 26301
304-623-5851



I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS
CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS
ALL THE INFORMATION REQUIRED BY LAW AND REGULATIONS ISSUED
AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 708

David L Jackson

09/05/2025

REVISIONS:

COMPANY:

expand

OPERATOR'S

DEBORAH CRAIG OHI

DATE: 08-18-2025

WELL #:

206H

DRAWN BY: N. MANO

DISTRICT:

TRIADELPHIA

COUNTY:

OHIO

STATE:

WV

SCALE: N/A

DRAWING NO:

WELL LOCATION PLAT 2

JACKSON SURVEYING
INC.
2413 EAST PIKE ST. # 112
Clarksburg, WV 26301
304-623-5851

WELL BORE TRACTS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	CRAIG DEBORAH ANN & CRAIG SETH COLLIN (S/R)	06-T13-16
TRACT	SURFACE OWNER (S)	
2	REIHNER JOHN & ROBYN; ET AL (S)	06-T13-15
3	RODAK FRANK J (S)	06-T13-14
4	GIBSON MICHAEL A - TOD (S)	06-T13-10
5	TARRANT KRISTOPHER & KRISTI (S)	06-T13-17
6	DIETRICH WILLIAM A (S)	06-T13-18
7	OKANE JOSEPH A (S)	06-T18-16
8	GRIBBEN KIRK J & MELINDA D (S)	06-T18-30
9	WHEELING CREEK WATERSHED PROT & FLOOD PREVENTION COMMISSION (S)	06-T14-6
10	MOSS KEYSTONE TRUST C/O MOSS NANCY L (S)	06-T19-1
11	FRANCINE A WINKIEWICZ CATLETT (S)	06-T19-2
12	MOSS FAMILY KEYSTONE TRUST AGREEMENT (S)	12-3-5
13	IRWIN JAY M (S)	06-T19-14
14	W W HOME RENTALS LLC (S)	06-T19-14.4

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	FRYE DOROTHY & FRYE DAVID W (RT TO OCC)	06-T14-1
B	MEYER ZACHARY ALLAN	06-T14-2
C	LANGMYER MARY JANE - TOD	06-T13-17.2
D	LANGMYER MARY JANE - TOD	06-T13-14.1
E	RODAK BRIANNA DAWN	06-T13-14.2
F	CROW ROBERT E JR	06-T13-17.1
G	FISHER NELLIE M (LIFE EST) & CRAIG DEBORAH A	06-T14-5
H	DIETRICH WILLIAM A II & CYNTHIA T DIETRICH	06-T13-18.1
I	DIETRICH WILLIAM A II & CYNTHIA T DIETRICH	06-T13-18.2
J	LUZADER JEFFREY O & ANN W TRUSTEES	06-T14-11.8
K	BOPP CHRISTY M	06-T14-10
L	HOHMAN CHARLES T (LE) HOHMAN HEIDI S; HOHMAN JODIE K	06-T14-10.3
M	HOHMAN CHARLES T (LE) HOHMAN HEIDI S; HOHMAN JODIE K	06-T14-7
N	WHEELING CREEK WATERSHED PROT & FLOOD PREVENTION COMMISSION	06-T14-6.1
O	SOEHNLEIN COLLEEN MARIE & KENNETH W SOEHNLEIN JR	06-T14-8
P	WEEKS JOHN E & MARIMAR	06-T19-6
Q	HOLMES MITCHELL R & P A	06-T19-5
R	MITCHAM JAMES A AND MITCHAM BERNICE A	06-T19-1.12
S	MURPHY SUSAN E - TOD	06-T19-1.22
T	WHITECOTTON SHARON SUE - TOD	06-T19-1.9
U	MITCHAM LISA LEE	06-T19-1.5
V	MITCHAM LISA LEE	06-T19-1.17
W	BARTON JEREMY D & BROOKE M	06-T19-14.2
X	BARTON JEREMY D & BROOKE M	06-T19-14.3
Y	PARKS JOHNATHON D & REBECCA R	06-T19-1.21
Z	HELT MARY E & PAUL T	06-T19-1.3
A2	IRWIN JAY MICHAEL	06-T19-14.1
B2	WW HOME RENTALS LLC	06-T19-15
C2	RIGGLE THOMAS E & RIGGLE KYLE T	06-T19-16
D2	WILSON WILBUR F JR & WILSON NORMA L	06-T19-3
E2	GRAY JAMES ET UX	12-4-3.3
F2	GRAY JAMES R & JUDITH C	12-4-3.2
G2	BRYANT DON N & SUZANNE J -TOD	12-4-13
H2	HILLBERRY GARRY L & DENISE L	12-3-7
I2	WEST CAROLYN B J	12-3-6
J2	BRAGG LOUIS O JR & JANETTE A	12-3-6.2
K2	BRAGG LOUIS O JR & JANETTE A	12-3-6.1
L2	BRAGG LOUIS O JR & JANETTE A	12-3-5.2

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
M2	SAFREED RONALD L	12-3-5.4
N2	THOMAS J W ET UX	12-3-5.1
O2	THOMAS JOSEPH W & JOANN C	12-3-5.3
P2	ESTEP JERRY R ET AL	12-3-2
Q2	MOSS FAMILY KEYSTONE TRUST	12-3-4
R2	VENSKOSKE RONALD & MOSS R L	06-T19-1.20
S2	BROMELOW KRISTEN A	06-T18-31
T2	GRIBBEN KIRK J & MELINDA	06-T18-29
U2	SCHWEIZER WILLIAM & DEBORAH	06-T18-12
V2	MOSES ADRIAN JAMES	06-T18-12.7
W2	DAGUE KELLI L	06-T18-11
X2	HELDEFFER GEORGE W & JUDITH D	06-T18-9.1
Y2	HUGHES GARY R & W C	06-T18-11.4
Z2	SCHMITT JOHN G	06-T18-13.4
A3	SCHMITT JOHN H	06-T18-13.3
B3	ELLIS ANDREW D & STEPHANIE J	06-T18-13.1
C3	ELLIS ANDREW D & STEPHANIE J	06-T18-16.2
D3	WEIDE ROBERT A	06-T18-11.3
E3	THOMAS EDWARD A & M A	06-T13-20
F3	WEAVER MICHAEL J & P A	06-T18-11.5
G3	HOHMAN MICHAEL P & CYNTHIA L	06-T13-21
H3	DAILER JAMES J - TOD	06-T13-13.1
I3	HOPKINS CLARENCE E	06-T13-10.1
J3	RICH PAULA ANN C/O MCCROSKEY PAULA ANN	06-T13-10.4
K3	GIBSON ADAM G & KAYLA M	06-T13-10.17
L3	GIBSON BRENDEN M	06-T13-10.18
M3	GIBSON BRENDEN & ADAM GIBSON	06-T13-10.9
N3	GANTZER RIDGE ROAD FARM I LLC	06-T13-9
O3	GANTZER RIDGE ROAD FARM I LLC 1/3 INT & G R GANTZER 2/3 INT	06-T13-8
P3	GANTZER RIDGE ROAD FARM I LLC	06-T13-27
Q3	STUCKI DAMON D & BELL MANDI J	06-T13-15.1
R3	GANTZER GREGORY R & MR	6-T13-7
S3	DUGGAN JONATHAN P & DUGGAN JAMES P	06-T8-46
T3	CRAIG KENNETH BRYAN	06-T8-53.2
U3	CRAIG KENNETH W & L	06-T8-53
V3	CRAIG DEBORAH ANN & CRAIG SETH COLLIN	06-T8-50

REVISIONS:

COMPANY:



OPERATOR'S
WELL #:
DISTRICT:
TRIADDELPHIA

DEBORAH CRAIG OHI
206H
COUNTY:
OHIO

STATE:
WV

DATE: 08-18-2025
DRAWN BY: N. MANO
SCALE: N/A
DRAWING NO:
WELL LOCATION PLAT 3

Z:\2025 BACKUPS\1-02-25 DJ\EXPAND\DEBORAH CRAIG OHI\WELL PLATS\206H\FINAL\CRAIG 206H 08-18-25\DEBORAH CRAIG 206H 8-18-25.DWG

TUESDAY AUGUST 26 2025 07:30AM

WW-6A1
(5/13)

Operator's Well No. Deborah Craig OHI 206H

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6A, Section 5(a)(5)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
-------------------------	-----------------------	-----------------------	---------	-----------

See Exhibit "A"

*Co-tenancy utilization - At least 75% of the royalty owners have consented to the lawful use or development of the oil or natural gas mineral property on the tract. The interests of the remaining co-tenants will be secured pursuant to the Co-tenancy Modernization and Majority Protection Act.

*Horizontal well unit utilization - Subject to unitization filing with the West Virginia Oil and Gas Conservation Commission.

*Potentially Impacted Parcels - Parcels that may be impacted during drilling.

**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

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The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: Expand Operating, LLC

By: Kelley Ryan

Its: Landman II

Kelley Ryan

EXHIBIT "A"

Deborah Craig OHI 206H

Ohio County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by Expand Operating, LLC., Operator

Tract #	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
1	06-T13-16	Deborah Ann Craig, a widow	Chesapeake Appalachia, L.L.C.	14.00%	799/109	0.00%
			SWN Production Company, LLC		885/524	
		Seth Collin Craig, a single man	Chesapeake Appalachia, L.L.C.	14.00%	799/215	0.00%
			SWN Production Company, LLC		885/524	
			Expand Operating, LLC		*See Letter	
2	06-T13-15	Lloyd E. Behrens, Jr. and Sandra L. Behrens, his wife	Great Lakes Energy Partners, L.L.C.	15.00%	774/373	0.00%
			Chesapeake Appalachia, L.L.C.		808/402	
			SWN Production Company, LLC		883/204	
			Expand Operating, LLC		*See Letter	
3	06-T13-14	Frank J. Rodak, a single man	Chesapeake Appalachia, L.L.C.	12.50%	790/706	0.00%
			SWN Production Company, LLC		885/482	
			Expand Operating, LLC		*See Letter	
4	06-T13-10	Michael A. Gibson, a single man	Chesapeake Appalachia, L.L.C.	12.5	791/428	0
			SWN Production Company, LLC		885/500	
			Expand Operating, LLC		*See Letter	
5	06-T13-17	Robert F. Leach and Deborah A. Leach, husband and wife	TriEnergy Holdings, LLC	14.50%	802/168	0.00%
			NPAR, L.L.C.		825/767	
			Chevron U.S.A. Inc.		827/254	
			Chesapeake Appalachia, L.L.C.		867/713	
			SWN Production Company, LLC		885/308	
			Expand Operating, LLC		*See Letter	
6	06-T13-18	William A. Dietrich II, a married man dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	18.00%	823/505	0.00%
			SWN Production Company, LLC		885/128	
			Expand Operating, LLC		*See Letter	
7	06-T18-16	Unknown Trustees of Eleanor M. Casey Trust	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/191	0.00%
		David D. Downes, Surviving Trustee under the Amended and Restated Revocable Trust Agreement of Isabella S. Kerns	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/191	0.00%
		David W. McDonald	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/191	0.00%
		Jeffrey McDonald	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/191	0.00%
		Teresa A. McDonald Mocabee	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/191	0.00%
		Larry R. Tumblin, Jr.	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/191	0.00%
		Wilmington Trust Company, Trustee for the benefit of Susan Park Utz	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/191	0.00%
		Tatina T. Flenner	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/191	0.00%
		Connie McDonald	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/191	0.00%

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Ohio County, West Virginia

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Cynthia McDonald	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/191	0.00%
Paul Easterday	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/191	0.00%
Steven Marshall Holmes	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/191	0.00%
Unknown Trustee of the Todd Clayton Holmes Supplemental Needs Trust dated 4/12/2011	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/191	0.00%
Andrew Likely	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/191	0.00%
Bruce Likely	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/191	0.00%
Betty June Roberts	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/191	0.00%
Unknown Trustee of the Erin Jane McDonald Supplemental Needs Trust	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/191	0.00%
Bounty Minerals, LLC, et al	SWN Production Company, LLC	18.00%	938/794	0.00%
	Expand Operating, LLC		*See Letter	
James F. Deming	SWN Production Company, LLC	14.00%	1047/243	0.00%
	Expand Operating, LLC		*See Letter	
Lynn Johnson	SWN Production Company, LLC	14.00%	1049/518	0.00%
	Expand Operating, LLC		*See Letter	
Kristine Easterday	SWN Production Company, LLC	14.00%	1055/146	0.00%
	Expand Operating, LLC		*See Letter	
Timothy L. Easterday	SWN Production Company, LLC	14.00%	1052/156	0.00%
	Expand Operating, LLC		*See Letter	
James F. Hart, III	SWN Production Company, LLC	18.00%	1045/676	0.00%
	Expand Operating, LLC		*See Letter	
David M. Park	SWN Production Company, LLC	14.00%	1047/235	0.00%
	Expand Operating, LLC		*See Letter	
William E. Park	SWN Production Company, LLC	14.00%	1049/538	0.00%
	Expand Operating, LLC		*See Letter	
Susan Robertson	SWN Production Company, LLC	14.00%	1045/778	0.00%
	Expand Operating, LLC		*See Letter	
Sheila D. Shope	SWN Production Company, LLC	14.00%	1052/164	0.00%
	Expand Operating, LLC		*See Letter	
William H. Staub, III	SWN Production Company, LLC	18.00%	1042/482	0.00%
	Expand Operating, LLC		*See Letter	
Jane Weber and Charles Weber, her husband	SWN Production Company, LLC	18.00%	1044/320	0.00%
	Expand Operating, LLC		*See Letter	
Krisene D. Wood	SWN Production Company, LLC	14.00%	1052/104	0.00%

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Deborah Craig OHI 206H

Ohio County, West Virginia

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		Expand Operating, LLC	*See Letter		
8	06-T18-30	David W. McDonald	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/191 0.00%
		Unknown Trustees of Eleanor M. Casey Trust	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/191 0.00%
		David D. Downes, Surviving Trustee under the Amended and Restated Revocable Trust Agreement of Isabella S. Kerns	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/191 0.00%
		Jeffrey McDonald	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/191 0.00%
		Teresa A. McDonald Mocabee	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/192 0.00%
		Larry R. Tumblin, Jr.	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/193 0.00%
		Wilmington Trust Company, Trustee for the benefit of Susan Park Utz	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/194 0.00%
		Tatina T. Flenner	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/195 0.00%
		Connie McDonald	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/196 0.00%
		Cynthia McDonald	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/197 0.00%
		Paul Easterday	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/198 0.00%
		Steven Marshall Holmes	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/199 0.00%
		Unknown Trustee of the Todd Clayton Holmes Supplemental Needs Trust dated 4/12/2011	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/200 0.00%
		Andrew Likely	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/201 0.00%
		Bruce Likely	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/202 0.00%
		Betty June Roberts	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/203 0.00%
		Unknown Trustee of the Erin Jane McDonald Supplemental Needs Trust	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/204 0.00%
		Bounty Minerals, LLC, et al	SWN Production Company, LLC	18.00%	938/794 0.00%
			Expand Operating, LLC		*See Letter
		James F. Deming	SWN Production Company, LLC	14.00%	1047/243 0.00%
			Expand Operating, LLC		*See Letter
		Lynn Johnson	SWN Production Company, LLC	14.00%	1049/518 0.00%
			Expand Operating, LLC		*See Letter
		Kristine Easterday	SWN Production Company, LLC	14.00%	1055/146 0.00%
			Expand Operating, LLC		*See Letter
		Timothy L. Easterday	SWN Production Company, LLC	14.00%	1052/156 0.00%
			Expand Operating, LLC		*See Letter
		James F. Hart, III	SWN Production Company, LLC	18.00%	1045/676 0.00%
			Expand Operating, LLC		*See Letter

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EXHIBIT "A"

Deborah Craig OHI 206H

Ohio County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by Expand Operating, LLC., Operator

David M. Park		SWN Production Company, LLC	14.00%	1047/235	0.00%
		Expand Operating, LLC		*See Letter	
William E. Park		SWN Production Company, LLC	14.00%	1049/538	0.00%
		Expand Operating, LLC		*See Letter	
Susan Robertson		SWN Production Company, LLC	14.00%	1045/778	0.00%
		Expand Operating, LLC		*See Letter	
Sheila D. Shope		SWN Production Company, LLC	14.00%	1052/164	0.00%
		Expand Operating, LLC		*See Letter	
William H. Staub, III		SWN Production Company, LLC	18.00%	1042/482	0.00%
		Expand Operating, LLC		*See Letter	
Jane Weber and Charles Weber, her husband		SWN Production Company, LLC	18.00%	1044/320	0.00%
		Expand Operating, LLC		*See Letter	
Krisene D. Wood		SWN Production Company, LLC	14.00%	1052/104	0.00%
		Expand Operating, LLC		*See Letter	
9	06-T14-6	Unknown Trustees of Eleanor M. Casey Trust	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/191 0.00%
		David D. Downes, Surviving Trustee under the Amended and Restated Revocable Trust Agreement of Isabella S. Kerns	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/191 0.00%
		David W. McDonald	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/192 0.00%
		Jeffrey McDonald	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/193 0.00%
		Teresa A. McDonald Mocabee	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/194 0.00%
		Larry R. Tumblin, Jr.	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/195 0.00%
		Wilmington Trust Company, Trustee for the benefit of Susan Park Utz	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/196 0.00%
		Tatina T. Flenner	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/197 0.00%
		Connie McDonald	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/198 0.00%
		Cynthia McDonald	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/199 0.00%
		Paul Easterday	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/200 0.00%
		Steven Marshall Holmes	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/201 0.00%
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		Andrew Likely	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/203 0.00%
		Bruce Likely	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/204 0.00%
		Betty June Roberts	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/205 0.00%
		Unknown Trustee of the Erin Jane McDonald Supplemental Needs Trust	Cotenancy pursuant to West Virginia Code §37B-1-1, et seq.	at least 1/8th per WV Code §22-6-8	1057/206 0.00%
		Bounty Minerals, LLC, et al	SWN Production Company, LLC	18.00%	938/794 0.00%

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EXHIBIT "A"

Deborah Craig OHI 206H

Ohio County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by Expand Operating, LLC., Operator

			Expand Operating, LLC	*See Letter	
		James F. Deming	SWN Production Company, LLC	14.00%	1047/243 0.00%
			Expand Operating, LLC	*See Letter	
		Lynn Johnson	SWN Production Company, LLC	14.00%	1049/518 0.00%
			Expand Operating, LLC	*See Letter	
		Kristine Easterday	SWN Production Company, LLC	14.00%	1055/146 0.00%
			Expand Operating, LLC	*See Letter	
		Timothy L. Easterday	SWN Production Company, LLC	14.00%	1052/156 0.00%
			Expand Operating, LLC	*See Letter	
		James F. Hart, III	SWN Production Company, LLC	18.00%	1045/676 0.00%
			Expand Operating, LLC	*See Letter	
		David M. Park	SWN Production Company, LLC	14.00%	1047/235 0.00%
			Expand Operating, LLC	*See Letter	
		William E. Park	SWN Production Company, LLC	14.00%	1049/538 0.00%
			Expand Operating, LLC	*See Letter	
		Susan Robertson	SWN Production Company, LLC	14.00%	1045/778 0.00%
			Expand Operating, LLC	*See Letter	
		Sheila D. Shope	SWN Production Company, LLC	14.00%	1052/164 0.00%
			Expand Operating, LLC	*See Letter	
		William H. Staub, III	SWN Production Company, LLC	18.00%	1042/482 0.00%
			Expand Operating, LLC	*See Letter	
		Jane Weber and Charles Weber, her husband	SWN Production Company, LLC	18.00%	1044/320 0.00%
			Expand Operating, LLC	*See Letter	
		Krisene D. Wood	SWN Production Company, LLC	14.00%	1052/104 0.00%
			Expand Operating, LLC	*See Letter	
10	06-T19-1	Byron R. Moss and Nancy L. Moss, his wife	NPAR, L.L.C.	18.00%	815/425 0.00%
			Chevron U.S.A. Inc.		827/284
			Chesapeake Appalachia, L.L.C.		867/713
			SWN Production Company, LLC		885/320
			Expand Operating, LLC	*See Letter	
11	06-T19-2	William H. Catlett, Jr. and/or Francine A. Catlett, husband and wife	NPAR, L.L.C.	18.00%	810/91 0.00%
			Chevron U.S.A. Inc.		827/269
			Chesapeake Appalachia, L.L.C.		867/713
			SWN Production Company, LLC		885/320
			Expand Operating, LLC	*See Letter	

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EXHIBIT "A"

Deborah Craig OHI 206H

Ohio County, West Virginia

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12	12-3-5	Bryon R. Moss and Nancy L. Moss, his wife (Life-Estate Interest) and Kristin Rafiani, a married woman acting in her sole and separate property; Susan Oberle, a married woman acting in her sole and separate property; Rebecca Wagner, a married woman acting in her sole and separate property; and Roberta Moss, a single woman (Remainder Interest)	NPAR, L.L.C.	18.00%	722/469	0.00%
			Chevron U.S.A. Inc.		756/332	
			Chesapeake Appalachia, L.L.C.		30/532	
			SWN Production Company, LLC		33/110	
			Expand Operating, LLC		*See Letter	
13	06-T19-14	Jay M. Irwin, a married man dealing in his sole and separate property	TH Exploration, LLC	18.00%	928/263	0.00%
			American Petroleum Partners Operating, LLC		973/737	
			SWN Production Company, LLC		980/572	
			Expand Operating, LLC		*See Letter	

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EXHIBIT "A"
Deborah Craig OHI 206H
Ohio County, West Virginia

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14	06-T19-14.4	Jay M. Irwin, a married man dealing in his sole and separate property	TH Exploration, LLC	18.00%	928/263	0.00%
			American Petroleum Partners Operating, LLC		973/737	
			SWN Production Company, LLC		980/572	
			Expand Operating, LLC		*See Letter	
END OF EXHIBIT A						

Co-tenancy utilization - At least 75% of the royalty owners have consented to the lawful use or development of the oil or natural gas mineral property on the tract. The interests of the remaining co-tenants have been secured pursuant to the Co-tenancy Modernization and Majority Protection Act.

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June 13, 2025

Mr. Charles Brewer
Assistant Chief
Office of Oil and Gas
WVDEP
601 57th St SE,
Charleston, WV 25304

Dear Mr. Brewer:

Effective as of October 1, 2024, Expand Operating LLC (“EXEO”) and SWN Production Company, LLC (“SWNPC”), both being subsidiaries of Expand Energy Corporation, entered into a Management Services Agreement whereby SWNPC authorized EXEO to perform and act as its agent for the purpose of performing certain management services (the “Agreement”). Such Agreement was provided to your office prior to this letter. By entering into the Agreement, it was the intent of SWNPC (i) to grant EXEO the right to extract, produce and market SWNPC’s oil and gas, among other rights, and (ii) that the Agreement satisfy the requirements of West Virginia Code §22-6-8(c).

Best regards,



David Wildes
Managing Counsel – Southwest Appalachia
SWN Production Company, LLC

09/05/2025

MANAGEMENT SERVICES AGREEMENT

This MANAGEMENT SERVICES AGREEMENT (this “**Agreement**”) is entered into on January 1, 2025, but made effective as of October 1, 2024 (the “**Effective Date**”), by and among Expand Operating LLC, an Oklahoma limited liability company (the “**Manager**”), SWN Production Company, LLC, a Texas limited liability company (“**SWN Production**”), SWN Production (Louisiana), LLC, a Texas limited liability company (“**SWN Louisiana**”), SWN Midstream Services Company, LLC, a Texas limited liability company (“**SWN Midstream**”), SWN International, LLC, a Delaware limited liability company (“**SWN International**”), A.W. Realty Company, LLC, a Delaware limited liability company (“**A.W.**”), Expand Water Resources Company LLC, a Texas limited liability company (“**Expand Water**”), SWN E&P Services, LLC, a Texas limited liability company (“**SWN E&P**”), and together with SWN Production, SWN Louisiana, SWN Midstream, SWN International, A.W. and Expand Water, the “**Companies**”), and the undersigned direct and indirect subsidiaries of the Companies (each, individually, a “**Subsidiary**”, and, collectively, the “**Subsidiaries**” and, together with the Companies, the “**Company Group**”). Manager, the Companies and each Subsidiary may be referred to herein, individually, as a “**Party**” and, collectively, as the “**Parties**.”

RECITALS

WHEREAS, the Company Group collectively owns and operates certain oil and gas, midstream and other properties and businesses;

WHEREAS, the Company Group desires to have the Manager perform, and the Manager desires to perform for and on behalf of the Company Group, the Management Services as more fully set forth herein and in accordance with the terms and conditions hereof; and

WHEREAS, the Company Group desires to formally engage the Manager as its agent for the purpose of performing the Management Services;

NOW, THEREFORE, in consideration of the premises and the mutual covenants, conditions and agreements contained herein and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties hereby agree as follows:

1. Definitions and References. Capitalized terms used throughout this Agreement including the Recitals above and not defined in *Section 1.1* below shall have the respective meanings ascribed to them elsewhere in this Agreement.

1.1. Definitions. The following terms have the respective meanings given in this *Section 1.1* or in the Section referred to below:

“**Affiliate**” means, with respect to any Person, any other Person that directly or indirectly (through one or more intermediaries or otherwise) Controls, is Controlled by, or is under common Control with the first Person, *provided*, however, the Parties specifically acknowledge and agree that for purposes of this Agreement, (a) the Manager will not be deemed to be an Affiliate of any member of the Company

Group, and (b) no member of the Company Group will be deemed to be an Affiliate of the Manager.

“**Agreement**” means this Agreement, as amended, supplemented or modified from time to time.

“**Assets**” means all of the assets and properties now owned or hereafter acquired by the Company Group during the Term including, but not limited to, all right, title and interest of the Company Group in and to (a) the Leases; (b) the Wells; (c) tangible personal property, equipment, machinery, inventory, supplies, spare parts, fixtures and improvements owned or otherwise held in connection with any of the Leases or the Wells; (d) unitization, pooling or communitization agreements, declarations or designations or administratively created drilling, spacing and production units; (e) oil, gas, condensate, and other hydrocarbons; (f) fee mineral and royalty interests; (g) surface and subsurface easements, leases, rights-of-way, Permits and servitudes; (h) all contracts, agreements and other arrangements attributable or relating to clauses (a) through (g) above; and (i) all files, records and data related to any of the foregoing.

“**A.W.**” has the meaning specified in the preamble.

“**Burdens**” means, with respect to an Asset, all royalty interests, overriding royalty interests, net profits interests, production payments, carried interests and similar burdens on or payable out of production from or allocated to such Asset.

“**Companies**” has the meaning specified in the preamble.

“**Company Group**” has the meaning specified in the preamble.

“**Company Indemnified Parties**” has the meaning specified in *Section 6.2*.

“**Confidential Information**” means, with respect to a Party, any and all proprietary, financial, commercial, technical, operational or other business information, data or material in written, oral (including by recording), electronic, or visual form (a) disclosed by such Party or its Representatives to another Party or its Representatives or (b) which otherwise comes into the possession of another Party or its Representatives; *provided*, however, that the following information shall not be considered Confidential Information for purposes of this Agreement: information, data or material that (x) is generally available to or known by the public (other than as a result of its disclosure directly or indirectly by the receiving Party or its Representatives in violation of this Agreement), (y) was known by or in the possession of the receiving Party or its Representatives on a non-confidential basis before being disclosed by the disclosing Party or its Representatives, or (z) was or becomes available to the receiving Party or its Representatives on a non-confidential basis from a source other than the disclosing Party or its Representatives, to the extent that such source is not known by the receiving Party

or its Representatives to be bound by a confidentiality agreement or subject to a legal or fiduciary obligation with respect to such information, data or material.

“Control” means the possession, directly or indirectly, of the power, directly or indirectly, to direct or cause the direction of the management or policies of the controlled Person, whether through the ownership of equity interests in or voting rights attributable to the equity interests in such Person, by contract or agency, by the general partner of a Person that is a partnership, or otherwise; and **“Controls”** and **“Controlled”** have meanings correlative thereto.

“Effective Date” has the meaning specified in the preamble.

“Expand Water” has the meaning specified in the preamble.

“Force Majeure Event” means any cause or event not reasonably within the control of the Party whose performance is sought to be excused thereby including the following causes and events (solely to the extent such causes and events are not reasonably within the control of the Party claiming suspension): acts of God, strikes, lockouts, or other industrial disputes or disturbances, acts of the public enemy, wars, blockades, insurrections, civil disturbances and riots, epidemics, landslides, lightning, earthquakes, fires, tornadoes, hurricanes, storms, floods, washouts and warnings for any of the foregoing which may necessitate the precautionary shut-down of Wells, plants, pipelines, gathering systems, or other related facilities; arrests, orders, directives, restraints and requirements of governments and government agencies, either federal or state, civil and military; outages (shutdown) for the making of repairs, alterations, relocations or inspections; inability to secure labor or materials, inclement weather that necessitates extraordinary measures and expense to construct facilities or maintain operations, or any other causes, whether of the kind enumerated herein or otherwise, not reasonably within the control of the Party claiming suspension. Such term shall likewise include, in those instances where either Party is required to obtain servitudes, rights-of-way, grants or Permits to enable such Party to fulfill its obligations hereunder, the inability of such Party to acquire, or delays on the part of such Party in acquiring, at reasonable cost and after the exercise of reasonable diligence, such servitudes, rights-of-way, grants or Permits, and in those instances where either Party hereto is required to secure Permits or permissions from any Governmental Authority to enable such Party to fulfill its obligations hereunder, the inability of such Party to acquire, or delays on the part of such Party in acquiring, at reasonable cost and after the exercise of reasonable diligence, such Permits and permissions.

“GAAP” means generally accepted accounting principles, as recognized by the U.S. Financial Accounting Standards Board (or any generally recognized successor).

“Governmental Authority” means any national, tribal, state, county or municipal government, domestic or foreign, any agency, board, bureau, commission, court,

department or other instrumentality of any such government, or any arbitrator in any case that has jurisdiction over any of the Parties or any of their respective properties or assets.

“Initial Term” has the meaning specified in *Section 5*.

“Law” means any and all applicable laws, statutes, ordinances, Permits, decrees, writs, injunctions, orders, codes, judgments, principles of common law, rules or regulations which are promulgated, issued or enacted by a Governmental Authority having jurisdiction.

“Leases” means the oil, gas, mineral and other leases, together with any and all overriding royalties, production payments, net profits interests, reversionary interests and other interests of any kind or character created thereby or derived therefrom, in which the Company Group now owns or hereafter acquires during the Term any right, title or interest.

“Management Services” has the meaning specified in *Section 2.1*.

“Manager” has the meaning specified in the preamble.

“Manager Indemnified Parties” has the meaning specified in *Section 6.1*.

“Parties” means each of the Manager and each of the Companies and each Subsidiaries.

“Permits” has the meaning specified in *Section 2.1.2*.

“Person” (whether or not capitalized) means any natural person, corporation, company, limited or general partnership, joint stock company, joint venture, association, limited liability company, trust, bank, trust company, land trust, business trust or other entity or organization, whether or not a Governmental Authority.

“Records” has the meaning specified in *Section 2.4*.

“Representatives” has the meaning specified *Section 8.5*.

“Subsidiary” has the meaning specified in the preamble.

“SWN E&P” has the meaning specified in the preamble.

“SWN International” has the meaning specified in the preamble.

“SWN Louisiana” has the meaning specified in the preamble.

“SWN Midstream” has the meaning specified in the preamble.

“***SWN Production***” has the meaning specified in the preamble.

“***Taxes***” means taxes of any kind, levies or other like assessments, customs, duties, imposts, charges or fees, including income, gross receipts, commercial activity, ad valorem, value added, excise, real or personal property, asset, sales, use, royalty, license, payroll, transaction, capital, net worth and franchise taxes, escheat and unclaimed property obligations, withholding, employment, social security, workers compensation, utility, severance, production, unemployment compensation, occupation, premium, windfall profits, transfer and gains taxes or other governmental taxes imposed or payable to the United States federal government or any other Governmental Authority, and in each instance such term shall include any interest, penalties or additions to tax attributable to any such Tax, including penalties for the failure to file any tax return or report or any liability as transferee or successor by contract or otherwise with respect to any of the foregoing.

“***Term***” has the meaning specified in *Section 5*.

“***Wells***” the oil, gas, water, injection, disposal and other wells in which the Company Group now owns or hereafter acquires during the Term any right, title or interest.

- 1.2. References and Titles. All references in this Agreement to Exhibits, Schedules, Sections, paragraphs, subsections and other subdivisions refer to the corresponding Exhibits, Schedules, Sections, paragraphs, subsections and other subdivisions of or to this Agreement unless expressly provided otherwise. Titles appearing at the beginning of any Sections, subsections or other subdivisions of this Agreement are for convenience only, do not constitute any part of this Agreement, and shall be disregarded in construing the language hereof. The words “this Agreement,” “herein,” “hereby,” “hereunder” and “hereof,” and words of similar import, refer to this Agreement as a whole and not to any particular subdivision unless expressly so limited. The words “this Section” and “this subsection,” and words of similar import, refer only to Section or subsection hereof in which such words occur. The word “or” is not exclusive, and the word “including” (in its various forms) means including without limitation. Each accounting term not defined herein, and each accounting term partly defined herein to the extent not defined, will have the meaning given to it under GAAP. Exhibits and Schedules referred to herein are attached to and by this reference incorporated herein for all purposes. Any reference to an agreement or contract herein shall include any amendment, modification or replacement thereof that is in accordance with the provisions of this Agreement.

2. Management Services.

- 2.1. Engagement of Manager; Management Services. The Manager is hereby authorized and engaged, and hereby agrees to provide the following services (the “***Management Services***”) during the Term:

- 2.1.1 Assets and Operations. With respect to the Assets, operations and businesses of the Company Group, the Manager will provide the services described on the *Exhibit A* attached hereto if and to the extent that the Manager deems such services necessary or appropriate to the operation of the Company Group's Assets and businesses.
- 2.1.2 Obtaining and Maintaining Permits. The Manager shall, at the election of any member of the Company Group, apply for, pay for (subject to reimbursement as set forth herein), and use its commercially reasonable efforts to obtain and maintain any approvals, authorizations, licenses and permits necessary or advisable for or in connection with such member's ownership and operation of the Assets and its businesses (collectively, "***Permits***").
- 2.1.3 Use of Offices. The Manager will use its company offices in its performance of the Management Services.
- 2.1.4 Insurance. The Manager will obtain and maintain such policies for the insurance of the Assets and the Company Group's businesses in such amounts, deductibles and coverages, in each case, as the Manager deems necessary or appropriate. The Manager may satisfy the foregoing obligation by causing members of the Company Group to be insured under policies under which Expand Energy Corporation and/or any of its direct or indirect subsidiaries, including the Manager, are also insured.
- 2.1.5 Materials and Equipment. In the course of its provision of the Management Services, the Manager is hereby authorized by each member of the Company Group to provide, purchase, lease, acquire, otherwise provide, sell and dispose of, to and on behalf of the Company Group, any and all (a) third-party services and (b) materials, goods, supplies, fixtures, improvements, equipment, and other property (including, for the avoidance of doubt, any such property of the Manager or its Affiliates) in each case, as the Manager deems necessary or appropriate to further the operations and businesses of the Company Group, including through transactions between (y) two or more members of the Company Group or (z) one or more members of the Company Group and the Manager or its Affiliates.
- 2.1.6 Burdens. Each member of the Company Group hereby authorizes the Manager and its Affiliates to pay or hold in suspense, in each case as the Manager deems necessary or appropriate, any and all Burdens attributable to such member's Assets.
- 2.1.7 Operatorship. At the election of any member of the Company Group, the Manager will use its commercially reasonable efforts to cause record operatorship of any Wells of which such member is the operator of record

with the Louisiana Department of Energy and Natural Resources, the Ohio Department of Natural Resources, the Pennsylvania Department of Environmental Protection, the West Virginia Department of Environmental Protection or any other Governmental Authority to be transferred to the Manager.

- 2.2. Direction of Result of Management Services. The means or method by which the Manager performs the Management Services, shall at all times be subject to the direction of the Manager. The provision of the Management Services hereunder shall at all times otherwise be subject to the direction of the Company Group.
- 2.3. Management Standards; Disclaimer. The Manager shall perform the Management Services at all times during the Term: (a) in accordance with all applicable Laws; and (b) in accordance with the terms and provisions of this Agreement. **EXCEPT AS EXPRESSLY PROVIDED FOR ELSEWHERE IN THIS AGREEMENT, THE MANAGER EXPRESSLY DISCLAIMS ANY AND ALL REPRESENTATIONS AND WARRANTIES (EXPRESS, IMPLIED, AT COMMON LAW, BY STATUTE OR OTHERWISE) CONCERNING THE MANAGEMENT SERVICES, THE PERFORMANCE THEREOF OR THE RESULTS THEREOF. FURTHER, AND WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, THE MANAGER HEREBY EXPRESSLY DISCLAIMS ANY REPRESENTATIONS OR WARRANTIES CONCERNING MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR THE ACCURACY OR COMPLETENESS OF ANY RECORDS.**
- 2.4. Records; Instruments of Service. The Manager shall maintain complete books of account, receipts, disbursements, Permits and all other records relating to the Management Services performed hereunder (the “*Records*”). The Companies and/or their designated Representatives may at any time during normal business hours, upon two (2) business days’ advance notice, examine and/or make and retain copies of said Records. Nothing in this Agreement shall require the Manager to maintain or provide Records, financial information, or other information with respect to the Management Services, which is not a type of Record or information kept or reported by the Manager in the ordinary course of its own business irrespective of this Agreement.
- 2.5. *[Intentionally Omitted]*.
- 2.6. Manager as Agent.
 - 2.6.1 Appointment. Each member of the Company Group hereby appoints and employs the Manager as its agent and nominee, to serve until the appointment and authority conferred hereby are revoked.

2.6.2 Scope of Authority. Notwithstanding anything in this Agreement to the contrary, and without limiting the generality of *Section 2.1*, each member of the Company Group hereby authorizes and empowers the Manager, as its agent, to take each of the following actions to the extent that the Manager deems the same necessary or appropriate to further the operations and businesses of the Company Group:

- a. collect and receive payment for the account of such member of any proceeds relating to any of the Assets or businesses of such member, including, but not limited to, proceeds from any sale or other disposition of oil, gas or other minerals produced and saved from Assets held by such member, or otherwise derived therefrom, and to otherwise act with respect thereto in accordance with the provisions of this Agreement and any subsequent written instructions of such member of the Company Group with respect to its Assets;
- b. approve and pay or cause to be paid, on behalf of the Company Group, all proceeds or expenses payable with respect to the Assets and businesses of the Company Group including, but not limited to, proceeds on production of oil, gas or other minerals produced and saved from Assets held by the Company Group and joint interest billing expenses.
- c. receive on behalf of the Company Group all notices, AFEs, billings and invoices related to the Company Group's Assets and businesses, and communicate with third-party operators, purchasers of production, midstream providers, vendors and other third parties with respect to the Company Group's Assets and businesses;
- d. deal generally with, and enter into agreements on behalf of the Company Group with third parties (including, for the avoidance of doubt, Affiliates of the Manager) with respect to, the Assets and businesses of the Company Group, including, but not limited to, area of mutual interest agreements; exploration agreements; derivatives, futures, options or other hedging agreements; disposal or injection agreements; farmout and farmin agreements; gathering and processing agreements; joint venture, development and partnership agreements; Leases; oil, gas and condensate purchase, sale and marketing agreements; operating agreements; surface use agreements; transportation agreements; unitization, pooling and communitization agreements; and other similar agreements.

3. *[Intentionally Omitted]*.

4. Representations, Warranties and Covenants. The Manager represents, warrants and covenants to the Company Group as follows:
 - 4.2. Organization, Good Standing, Etc. The Manager is a limited liability company duly formed, validly existing and in good standing under the Laws of the State of Oklahoma. The Manager is also duly qualified and/or licensed, to the extent and as may be required, and in good standing in the States where the Leases and the Wells in which the Company Group own interests as of the Effective Date are located.
 - 4.3. Authority. The Manager has taken all necessary action to authorize the execution, delivery and performance of this Agreement and has adequate power, authority and legal right to enter into, execute, deliver and perform this Agreement. This Agreement is legal, valid and binding with respect to the Manager and is enforceable in accordance with its terms, except as the enforceability thereof may be limited by bankruptcy, insolvency or similar Laws affecting creditors' rights generally.
 - 4.4. Legal Requirements. The Manager has all requisite power, consents, orders, franchises, rights, registrations and Permits of all Governmental Authorities required to permit the Manager to provide the Management Services; each of the foregoing is in full force and effect and has been duly and validly issued; and the Manager is in compliance with all terms and conditions of each of the foregoing.
 - 4.5. No Consent. No Permit, consent or order of, and no notice to or filing with, any Governmental Authority or third party is required in connection with the execution, delivery or performance by the Manager of this Agreement or to consummate any transactions contemplated hereby and thereby.
 - 4.6. Enforceable Obligations. This Agreement is the legal, valid and binding obligation of the Manager, enforceable in accordance with its terms except as such enforcement may be limited by bankruptcy, insolvency or similar Laws of general application relating to the enforcement of creditors' rights and by general principles of equity.
5. Term; Termination. This Agreement shall have an initial term of one (1) year commencing on the Effective Date (the "**Initial Term**" and, together with any renewal terms, the "**Term**") and shall automatically be extended with respect to each of the Companies for successive one-month renewal terms until such time as either the Manager or the such Company (on behalf of itself and its Subsidiaries) provides the other with written notice of its intention to terminate this Agreement not less than sixty (60) days prior to the expiration of the Initial Term or a renewal term, as applicable. Notwithstanding the foregoing, this Agreement may be terminated at any time during the Term by a subsequent written agreement executed by all of the Parties. Except as expressly provided herein, the

expiration or earlier termination of this Agreement shall not relieve any Party of any obligation or liability arising prior to such expiration or termination.

6. Indemnification. From and after the Effective Date, the Parties will indemnify each other as follows:

- 6.1. Company Group Indemnification. Each member of the Company Group hereby agrees to release, defend, indemnify, reimburse and hold harmless the Manager, its Affiliates and its and their respective directors, officers, members, managers, partners, employees and agents (each, individually, a “***Manager Indemnified Party***” and collectively, the “***Manager Indemnified Parties***”) for, from and against any loss, damage, diminution in value, claim, liability, debt, obligation or expense (including interest, reasonable legal fees, and expenses of litigation and attorneys’ fees in enforcing this indemnity) incurred, suffered, paid by or resulting to any of the Manager Indemnified Parties and which results from, arises out of or in connection with, is based upon, or exists by reason of: (a) any breach or default in the performance by such member of the Company Group of any covenant or obligation set forth in this Agreement; or (b) any act or omission by any of the Manager Indemnified Parties directly related to its performance of this Agreement.
- 6.2. Manager Indemnification. The Manager hereby agrees to release, defend, indemnify, reimburse and hold harmless the Companies, the Subsidiaries, their respective Affiliates and its and their respective directors, officers, members, managers, partners, employees and agents (the “***Company Indemnified Parties***”) for, from and against any loss, damage, diminution in value, claim, liability, debt, obligation or expense (including interest, reasonable legal fees, and expenses of litigation and attorneys’ fees in enforcing this indemnity) incurred, suffered, paid by or resulting to any of the Company Indemnified Parties and which results from, arises out of or in connection with, is based upon, or exists by reason of: (a) any breach or default by the Manager of any representation or warranty set forth in this Agreement; or (b) any breach or default in the performance by the Manager of any covenant or obligation set forth in this Agreement.
- 6.3. EXTENT OF INDEMNIFICATION. WITHOUT LIMITING OR ENLARGING THE SCOPE OF THE INDEMNIFICATION, DEFENSE AND ASSUMPTION PROVISIONS SET FORTH IN THIS AGREEMENT, TO THE FULLEST EXTENT PERMITTED BY LAW, AN INDEMNIFIED PARTY SHALL BE ENTITLED TO INDEMNIFICATION HEREUNDER IN ACCORDANCE WITH THE TERMS OF *SECTION 6.1* OR *SECTION 6.2* REGARDLESS OF WHETHER THE ACT, OCCURRENCE OR CIRCUMSTANCE GIVING RISE TO ANY SUCH INDEMNIFICATION OBLIGATION IS THE RESULT OF THE SOLE, ACTIVE, PASSIVE, CONCURRENT OR COMPARATIVE NEGLIGENCE, STRICT LIABILITY, BREACH OF DUTY (STATUTORY OR OTHERWISE) OR OTHER FAULT OR VIOLATION OF ANY LAW OF OR BY ANY SUCH INDEMNIFIED PARTY. EACH PARTY’S INDEMNIFICATION

RIGHTS AND OBLIGATIONS UNDER THIS *SECTION 6* SHALL SURVIVE THE EXPIRATION OR EARLIER TERMINATION OF THIS AGREEMENT INDEFINITELY.

- 6.4. Indemnification Procedure. If any indemnified party discovers or otherwise becomes aware of an indemnification claim arising under this Agreement, such party will give written notice to the indemnifying Party, specifying such claim, and may thereafter exercise any remedies available to such indemnified party under this Agreement; *provided*, however, the failure of any indemnified party to give notice as provided herein will not relieve the indemnifying Party of any obligations hereunder, to the extent the indemnifying Party is not materially prejudiced thereby. Further, promptly after receipt by an indemnified party hereunder of written notice of the commencement of any action or proceeding with respect to which a claim for indemnification may be made against the indemnifying Party, the indemnified party will give written notice to the indemnifying Party of the commencement of such action, accompanied by a copy of all papers, if any, served with respect to the action or proceeding; *provided*, however, the failure of any indemnified party to give notice as provided herein will not relieve the indemnifying Party of any obligations hereunder, to the extent the indemnifying Party is not materially prejudiced thereby.

7. Force Majeure. If a Party is rendered unable, wholly or in part, by reason of a Force Majeure Event to perform its obligations under this Agreement, other than obligations to make payments or provide indemnification or defense when due hereunder, then such Party's obligations shall be suspended to the extent affected by the Force Majeure Event. Any Party claiming any Force Majeure Event shall provide prompt written notice thereof to the other Party including full particulars of such Force Majeure Event.

8. Miscellaneous. It is further agreed as follows:
 - 8.1. Time. Time is of the essence of this Agreement.

 - 8.2. Independent Contractor. The Parties hereby acknowledge and agree that each of the Manager, its Affiliates and any contractors, subcontractors, vendors and other third parties performing all or part of the Management Services are independent contractors, and, except as expressly set forth in Section 2.6, nothing in this Agreement is intended, and shall not be construed, to create a partnership, joint venture, or employment or other similar relationship between (a) the Manager, or any such Affiliate or third party, and (b) any member of the Company Group. As between the Parties, the Manager shall have the exclusive responsibility and liability for (a) the direction and supervision of its employees, (b) the salary, employee benefits, other compensation and related costs of such employees and (c) the collection and payment of any payroll Taxes or Taxes for unemployment insurance, workers' compensation, pensions, and social security for the Manager's employees that are imposed by any Governmental Authority.

- 8.3. Arm's-Length Transaction. The Manager is an affiliate of each member of the Company Group, and each member of the Company Group is an affiliate of the Manager. It is the overriding intent of the Parties that (a) the terms of this Agreement and the transactions contemplated hereby (taken as a whole) shall be substantially at least as favorable to the Manager as it would obtain in a comparable arm's-length transaction with a Person other than an affiliate (or, if no comparable transaction is available with which to compare such transaction, such transaction is otherwise fair to the Manager) and (b) each transaction contemplated by this Agreement is upon fair and reasonable terms no less favorable to the relevant member of the Company Group than it would obtain in a comparable arm's-length transaction with an unrelated Person or any other Person not an affiliate; each Party represents and warrants that it believes that this Agreement and the transactions contemplated hereby conform to such intent but, if and to the extent that any transaction contemplated by this Agreement does not conform to such intent, the Parties agree to reform such transaction's terms so that it does conform to such intent.
- 8.4. Tax Matters. Each member of the Company Group shall be allocated and bear, and indemnify and hold harmless the Manager Indemnified Parties for, all Taxes relating to its Assets or businesses.
- 8.5. Manager's Interests. For the avoidance of doubt, neither the Manager nor any of its Affiliates shall, solely by virtue of this Agreement or the Manager's performance hereunder, acquire any beneficial interest in any Assets or businesses of the Company Group.
- 8.6. Notices. All notices and communications required or permitted under this Agreement shall be in writing addressed as indicated below, and any communication or delivery hereunder shall be deemed to have been duly delivered upon the earliest of: (a) actual receipt by the Party to be notified; (b) if sent by U.S. certified mail, postage prepaid, return receipt requested, then the date shown as received on the return notice; (c) if by email, then upon an affirmative reply by email by the intended recipient that such email was received (*provided* that, for the avoidance of doubt, an automated response from the email account or server of the intended recipient shall not constitute an affirmative reply); or (d) if by Federal Express overnight delivery (or other reputable overnight delivery service), the date shown on the notice of delivery. Addresses for all such notices and communication shall be as follows:

To the Manager: Expand Operating LLC
6100 North Western Avenue
Oklahoma City, Oklahoma 73118
Attention: Chris Lacy
Telephone: (832) 796-7877
Email: chris.lacy@expandenergy.com

To the Company Group: c/o SWN Production Company, LLC
6100 North Western Avenue
Oklahoma City, Oklahoma 73118
Attention: Joshua J. Viets
Phone: (405) 876-4312
Email: josh.viets@expandenergy.com

Either Party may, upon written notice to the other Party, change the address(es) and person(s) to whom such communications are to be directed.

- 8.7. Confidentiality; Securities Laws. Each of the Manager and the Company Group shall hold and shall each cause their respective officers, managers, employees, agents, consultants and advisors to hold, in strict confidence and not to disclose or release without the prior written consent of the other Party, any and all Confidential Information (as defined herein); *provided*, that the Parties may disclose, or may permit disclosure of, Confidential Information (a) to their respective auditors, attorneys, financial advisors, bankers and other appropriate consultants and advisors who have a need to know such information (collectively, “*Representatives*”) and are informed of their obligation to hold such information confidential to the same extent as is applicable to the Parties hereto and in respect of whose failure to comply with such obligations, the Manager or the Company Group, as the case may be, will be responsible or (b) to the extent the Manager or any member of the Company Group, as the case may be, is compelled to disclose any such Confidential Information by judicial or administrative process or by other requirements of Law. Notwithstanding the foregoing, in the event that any demand or request for disclosure of Confidential Information is made pursuant to clause (b) above, each Party, as the case may be, shall, to the extent permitted by applicable Law or legal process, promptly notify the other Party of the existence of such request or demand and shall provide the other a reasonable opportunity to seek an appropriate protective order or other remedy at such other Party’s sole cost, which all Parties will cooperate in seeking to obtain. In the event that such appropriate protective order or other remedy is not obtained, the Party required to disclose Confidential Information shall or shall furnish, or cause to be furnished, only that portion of the Confidential Information that is legally required to be disclosed. Each Party hereby acknowledges that it is aware, and has informed or will inform its Representatives who receive Confidential Information that the securities Laws of the United States prohibit any person who has material, non-public information

about a company from purchasing or selling securities of such company and from communicating such information to any other person under circumstances in which it is reasonably foreseeable that such other person is likely to purchase or sell such securities.

- 8.8. No Recourse Against Officers, Managers or Directors. For the avoidance of doubt, the provisions of this Agreement shall not give rise to any right of recourse against any director, officer, member, manager or partner of the Manager or any member of the Company Group.
- 8.9. Non-Exclusivity. Notwithstanding anything in this Agreement to the contrary, each member of the Company Group hereby acknowledges and agrees the Manager may provide services, including Management Services, to other third parties, including Affiliates of the Manager, consistent with the Manager's obligations to the Company Group hereunder.
- 8.10. Cooperation. Prior to termination of this Agreement and at all times following the consummation of this Agreement, the Parties agree to execute, acknowledge and deliver, or cause to be executed, acknowledged and delivered, such documents and instruments and do, or cause to be done, such other acts and things as may reasonably be requested by any Party to this Agreement, or are otherwise necessary or advisable, to assure that the benefits of this Agreement are realized by the Parties and that the Parties carry out their obligations under this Agreement and any document or other instrument delivered pursuant hereto.
- 8.11. No Third-Party Beneficiaries. Except for the indemnification rights under *Section 6*, nothing in this Agreement, express or implied, is intended to confer upon anyone, other than the Parties hereto and their respective successors and assigns, any rights or remedies under or by reason of this Agreement or to constitute any Person a third-party beneficiary of this Agreement.
- 8.12. Cumulative Remedies. Subject to the other provisions hereof, no failure on the part of any Party to this Agreement to exercise and no delay in exercising any right hereunder will operate as a waiver thereof, nor will any single or partial exercise by any Party hereto of any right hereunder preclude any other or further right of exercise thereof or the exercise of any other right.
- 8.13. Choice of Law. This Agreement will be interpreted, construed and enforced in accordance with the Laws of the State of Oklahoma, without giving effect to any rules or principles of conflicts of Law that might otherwise refer to the Laws of another jurisdiction.
- 8.14. Entire Agreement. This Agreement constitutes the entire agreement between the Parties with respect to the subject matter hereof and there are no agreements, understandings, warranties or representations except as set forth herein.

- 8.15. Assignment. No Party may assign any of its rights or delegate any of its responsibilities under this Agreement without the express written consent of the other Parties, except that the Manager may assign any such rights or delegate any such duties to any of its Affiliates, vendors, suppliers, contractors, outside accountants, third-party engineers, auditors, attorneys, consultants and advisors in its provision of the Management Services in accordance herewith. Any assignment of rights or delegation of duties under this Agreement in violation of this *Section 8.15* shall be void *ab initio*.
- 8.16. Amendment. Neither this Agreement, nor any of the provisions hereof can be changed, waived, discharged or terminated, except by an instrument in writing hand-signed by the Party against whom enforcement of the change, waiver, discharge or termination is sought.
- 8.17. Severability. If any clause or provision of this Agreement is illegal, invalid or unenforceable under any present or future Law, the remainder of this Agreement will not be affected thereby. It is the intention of the Parties that if any such provision is held to be illegal, invalid or unenforceable, there will be added in lieu thereof a provision as similar in terms to such provisions as is possible to make such provision legal, valid and enforceable.
- 8.18. Waiver. Waiver of performance of any obligation or term contained in this Agreement by any Party, or waiver by one Party of the other's default hereunder, will not operate as a waiver of performance of any other obligation or term of this Agreement or a future waiver of the same obligation or a waiver of any future default.
- 8.19. Counterparts; Facsimiles; Electronic Transmission. This Agreement may be executed in multiple counterparts, each of which will be an original instrument, but all of which will constitute one agreement. The execution and delivery of this Agreement by any Party may be evidenced by facsimile or other electronic transmission (including scanned documents delivered by email), which shall be binding upon all Parties.

[Signature Page Follows]

IN WITNESS WHEREOF, the Parties have executed this Agreement effective as of the Effective Date.

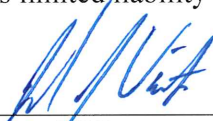
MANAGER

EXPAND OPERATING, L.L.C.
an Oklahoma limited liability company

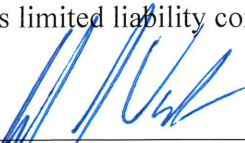
By: 
Chris Lacy
Executive Vice President – General Counsel and
Corporate Secretary

COMPANIES

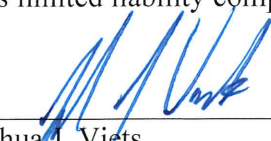
SWN Production Company, LLC
a Texas limited liability company

By: 
Joshua J. Viets
Chief Operating Officer

SWN Production (Louisiana), LLC
a Texas limited liability company

By: 
Joshua J. Viets
Chief Operating Officer

SWN Midstream Services Company, LLC
a Texas limited liability company

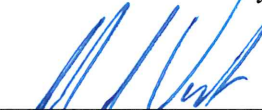
By: 
Joshua J. Viets
Chief Operating Officer

09/05/2025

SWN International, LLC
a Delaware limited liability company

By: 
Joshua J. Viets
Chief Operating Officer

A.W. Realty Company, LLC
a Delaware limited liability company

By: 
Joshua J. Viets
Chief Operating Officer

Expand Water Resources Company LLC
a Texas limited liability company

By: 
Joshua J. Viets
Chief Operating Officer

SWN E&P Services, LLC
a Texas limited liability company

By: 
Joshua J. Viets
Chief Operating Officer

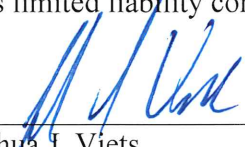
09/05/2025

SUBSIDIARIES

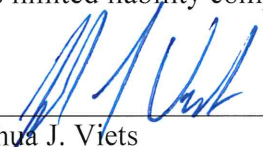
SWN Resources Canada, Inc.
a British Columbia corporation

By: 
Joshua J. Viets
Chief Operating Officer

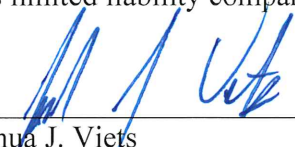
Expand Completions Services LLC
a Texas limited liability company

By: 
Joshua J. Viets
Chief Operating Officer

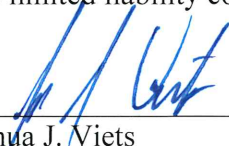
Expand Drilling Company LLC
a Texas limited liability company

By: 
Joshua J. Viets
Chief Operating Officer

Angelina Gathering Company, LLC
a Texas limited liability company

By: 
Joshua J. Viets
Chief Operating Officer

Expand Energy Marketing LLC
a Texas limited liability company

By: 
Joshua J. Viets
Chief Operating Officer

09/05/2025

EXHIBIT A

MANAGEMENT SERVICES

The Manager will provide or cause to be provided to the Company Group the following services:

General and Administrative Services. Overhead services and other general and administrative services including, but not limited to, accounting; business development; contract administration; budgeting and forecasting; credit; debt collection; facility management; financial reporting; financial, reserve report and other audit; government relations; health, safety and environmental; human resources; investor relations; insurance administration and claims processing; legal; marketing; office; procurement; project management; recordkeeping; regulatory compliance; security; supply chain; vendor management; Tax compliance and return preparation and the payment of Taxes and treasury services.

Lease and Land Administration. Lease and land management and administration services including, but not limited to, division order; land administration; land title; Lease records and processing; leasing; and surface land services.

Technical and Operational Services. Technical and operational services including, but not limited to, data management; completion; drilling; engineering; geological and geophysical; information systems and technology; infrastructure; production; and reserves services.

09/05/2025

4706900369



August 27, 2025

Mr. Charles Brewer
WV DEP Office of Oil & Gas
601 57th St., SE
Charleston, WV 25304

RE: Expand's proposed New Well: Deborah Craig OHI 206H in Ohio County, West Virginia, Drilling under Rising Sun Lane, Union Hill Road, and Stone Church Road.

Dear Mr. Brewer:

Expand Operating LLC ("Expand") is applying for a modified drilling permit for the above referenced well. The State of West Virginia has raised some concern as to Expand's right to drill under Rising Sun Lane, Union Hill Road, and Stone Church Road. Please be advised that Expand has leased all mineral owners under said route as it relates to the above-referenced well and unit.

Thank you.

Sincerely,

A handwritten signature in cursive script, appearing to read "Kelley Ryan".

Kelley Ryan
Landman II
Expand Operating, LLC

RECEIVED
Office Of Oil and Gas
29 2025
Department of
Environmental Protection

09/05/2025



Brittany Woody
Senior Regulatory Analyst

August 25, 2025

Mr. Charles Brewer
Office of Oil & Gas
601 57th Street
Charleston, WV 25304

RE: Proposed Expedited Mod: Deborah Craig OHI 206H

Dear Mr. Brewer:

Enclosed please find the required documents to modify this well. We would like to modify these wells by extending the lateral. This well is situated on the Craig's property, in Triadelphia District, Ohio County, West Virginia.

Enclosed you will find:

-Updated documents reflecting Expand Operating.

If you have any questions or desire additional information, please me at 304-209-5688.

Best regards,

A handwritten signature in cursive script that reads "Brittany Woody".

Brittany Woody
Senior Regulatory Analyst
Expand Energy

RECEIVED
Office Of Oil and Gas

AUG 29 2025

WV Department of
Environmental Protection