

State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Well Operator's Report of Well Work

API 47-051-01993 County Marshall District Clay
Quad Glen Easton Pad Name Hicks Pad A Field/Pool Name _____
Farm name Thomas E. Hicks Well Number Hicks M08H
Operator (as registered with the OOG) Chevron Appalachia, LLC (49449935)
Address 700 Cherrington Parkway City Coraopolis State PA Zip 15108

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 501908.520 Easting 1626615.810
Landing Point of Curve Northing 499423.570 Easting 1624807.790
Bottom Hole Northing 490925.840 Easting 1631745.390

Elevation (ft) 1161 GL Type of Well New Existing Type of Report Interim Final
Permit Type Deviated Horizontal Horizontal 6A Vertical Depth Type Deep Shallow
Type of Operation Convert Deepen Drill Plug Back Redrilling Rework Stimulate
Well Type Brine Disposal CBM Gas Oil Secondary Recovery Solution Mining Storage Other _____
Type of Completion Single Multiple Fluids Produced Brine Gas NGL Oil Other _____
Drilled with Cable Rotary

Drilling Media Surface hole Air Mud Fresh Water Intermediate hole Air Mud Fresh Water Brine
Production hole Air Mud Fresh Water Brine

Mud Type(s) and Additive(s)
Synthetic
barite, fluid loss, emulsifiers, rheological control
Date permit issued 4/4/2018 Date drilling commenced 8/8/2018 Date drilling ceased 8/29/2019
Date completion activities began 10/18/2019 Date completion activities ceased 3/15/2020
Verbal plugging (Y/N) N Date permission granted _____ Granted by _____

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Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft n/a Open mine(s) (Y/N) depths N
Salt water depth(s) ft n/a Void(s) encountered (Y/N) depths N
Coal depth(s) ft 698' & 1290' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

Reviewed by:
Jane Nicholson
4/15/2020

API 47-051 - 01993 Farm name Thomas E. Hicks Well number Hicks M08H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor	26"	20"	77'	N	X-52 / 78.67		Y
Surface	17-1/2"	13-3/8"	516'	N	J-55 / 54.50		Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2071'	N	L-80 / 40		Y
Intermediate 2							
Intermediate 3							
Production	8-1/2"	5-1/2"	18881'	N	P-110EC / 20		Y
Tubing							
Packer type and depth set							

Comment Details _____

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	Bulk Cement					Surface	8
Surface	Class A	419	15.6	1.20	502	Surface	8
Coal							
Intermediate 1	Class A	689	15.6	1.19	819	Surface	8
Intermediate 2							
Intermediate 3							
Production	Class A	3059	15.0	1.23	3762	Surface	8
Tubing							

Drillers TD (ft) ¹⁸⁹²⁷ _____ Loggers TD (ft) ¹⁸⁹²⁷ _____
 Deepest formation penetrated Marcellus Plug back to (ft) _____
 Plug back procedure _____

Kick off depth (ft) ⁶⁵¹⁸ _____

Check all wireline logs run caliper density deviated/directional induction neutron resistivity gamma ray temperature sonic

Well cored Yes No Conventional Sidewall Were cuttings collected Yes No

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DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING _____

SURFACE: (1) on shoe track with slip collar and (1) per joint over coupling to surface.

INTERMEDIATE: (1) on shoe track with stop collar and (1) per three joints over coupling.

PRODUCTION: (1) centralizer every joint in the lateral and curve and (1) every other joint from KOP to surface

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS See attached Perforation and Stimulation reports

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

WERE TRACERS USED Yes No TYPE OF TRACER(S) USED _____

API: 47-051-01993	Farm Name: Thomas E. Hicks	Well Number: Hicks M08H
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PERFORATION RECORD					
Stage No.	Perforation Date	Perforated From TMD Ft.	Perforated To TMD Ft.	Number of Perforations	Formation(s)
1	1/2/2020	18646	18746	47	Marcellus
2	1/3/2020	18403	18563	47	Marcellus
3	1/3/2020	18203	18363	47	Marcellus
4	1/3/2020	18003	18163	47	Marcellus
5	1/3/2020	17803	17963	47	Marcellus
6	1/4/2020	17603	17763	47	Marcellus
7	1/6/2020	17403	17563	47	Marcellus
8	1/6/2020	17203	17363	47	Marcellus
9	1/6/2020	17003	17163	47	Marcellus
10	1/7/2020	16803	16963	47	Marcellus
11	1/7/2020	16603	16763	47	Marcellus
12	1/7/2020	16403	16563	47	Marcellus
13	1/8/2020	16203	16363	47	Marcellus
14	1/8/2020	16003	16163	47	Marcellus
15	1/8/2020	15803	15963	47	Marcellus
16	1/9/2020	15603	15763	47	Marcellus
17	1/9/2020	15403	15563	47	Marcellus
18	1/9/2020	15203	15363	47	Marcellus
19	1/10/2020	15003	15163	47	Marcellus
20	1/10/2020	14803	14963	47	Marcellus
21	1/10/2020	14603	14763	47	Marcellus
22	1/11/2020	14403	14563	47	Marcellus
23	1/11/2020	14203	14363	47	Marcellus
24	1/11/2020	14003	14163	47	Marcellus
25	1/12/2020	13803	13963	47	Marcellus
26	1/12/2020	13603	13763	47	Marcellus
27	1/13/2020	13403	13563	47	Marcellus
28	1/13/2020	13203	13363	47	Marcellus
29	1/13/2020	13003	13163	47	Marcellus
30	1/13/2020	12803	12963	47	Marcellus
31	1/14/2020	12603	12763	47	Marcellus
32	1/14/2020	12403	12563	47	Marcellus
33	1/14/2020	12203	12363	47	Marcellus
34	1/15/2020	12003	12163	47	Marcellus
35	1/15/2020	11803	11963	47	Marcellus
36	1/15/2020	11603	11763	47	Marcellus
37	1/15/2020	11406	11563	47	Marcellus
38	1/16/2020	11203	11363	47	Marcellus
39	1/16/2020	11003	11163	47	Marcellus
40	1/16/2020	10803	10963	47	Marcellus
41	1/16/2020	10603	10763	47	Marcellus
42	1/16/2020	10403	10563	47	Marcellus
43	1/17/2020	10203	10363	47	Marcellus
44	1/17/2020	10003	10163	47	Marcellus
45	1/17/2020	9803	9963	47	Marcellus

Please insert additional copies of this page if additional rows/stages are needed.

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API: 47-	Farm Name:	Well Number:
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STIMULATION INFORMATION / STAGE								
Complete a separate record for each stimulation stage. (Please insert additional lines for additional stages or additional pages as applicable).								
Stg No.	Stimulation Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/ other (units)
1	1/2/2020	97	9147	5557	4113	400160	9474	n/a
2	1/3/2020	99.4	9057	4721	4345	400823	9924	n/a
3	1/3/2020	99.6	9206	5227	4836	400183	9936	n/a
4	1/3/2020	99.8	9132	5982	4938	400890	9878	n/a
5	1/3/2020	98.4	9216	6340	4595	401083	9829	n/a
6	1/4/2020	97.3	9119	5634	4807	175014	12614	n/a
7	1/6/2020	99.9	9021	7214	4519	401971	9848	n/a
8	1/6/2020	93.1	8741	6370	4468	399532	9808	n/a
9	1/6/2020	99.6	8916	6347	4857	401562	9872	n/a
10	1/7/2020	100.6	8858	5272	4874	401610	9750	n/a
11	1/7/2020	98.7	8614	5733	4993	400126	9772	n/a
12	1/7/2020	99.7	8519	5014	4765	400824	9769	n/a
13	1/8/2020	99.4	8744	5209	4909	399693	9972	n/a
14	1/8/2020	99.1	8431	5317	5003	400739	9711	n/a
15	1/8/2020	100.1	8294	5461	4825	400198	9857	n/a
16	1/9/2020	99.7	8466	4960	4786	400126	9780	n/a
17	1/9/2020	99.4	8546	4691	5105	401637	9683	n/a
18	1/9/2020	99.9	8592	5626	4841	400041	9755	n/a
19	1/10/2020	100.4	8711	5746	4651	400207	9633	n/a
20	1/10/2020	99.9	8546	5110	4888	404506	9771	n/a
21	1/10/2020	99.6	8528	4139	4811	400141	9642	n/a
22	1/11/2020	99.8	8432	5765	5892	400104	9558	n/a
23	1/11/2020	100.5	8207	4927	5079	400658	9612	n/a
24	1/11/2020	99.9	8104	5073	5782	400204	9569	n/a
25	1/12/2020	100.5	8558	6051	5652	400848	9665	n/a
26	1/12/2020	99.9	8495	5835	5086	400091	9527	n/a
27	1/13/2020	99.6	8239	5363	4859	400166	9642	n/a
28	1/13/2020	99.8	7990	5563	5280	400913	9613	n/a
29	1/13/2020	100.7	8124	6602	5003	403677	9662	n/a
30	1/13/2020	100.3	7894	5027	4842	400113	9435	n/a
31	1/14/2020	100.7	8216	5697	4971	400813	9544	n/a
32	1/14/2020	100.7	8171	5034	4834	401177	9616	n/a
33	1/14/2020	99.5	7927	5580	4883	400252	10276	n/a
34	1/15/2020	99.6	8147	5444	4959	400024	9454	n/a
35	1/15/2020	100.3	8273	5073	4763	401109	9497	n/a
36	1/15/2020	100.4	7976	5443	4814	400574	9800	n/a
37	1/15/2020	100.1	7824	5603	4581	399946	9468	n/a
38	1/16/2020	100.2	7865	5856	5186	400177	9390	n/a
39	1/16/2020	100	7686	5861	5343	401113	9445	n/a
40	1/16/2020	100.2	7802	5327	5111	400946	9480	n/a
41	1/16/2020	100.2	7673	6210	5040	400199	9465	n/a
42	1/16/2020	99.5	7529	5698	4981	400367	9457	n/a
43	1/17/2020	100.4	7726	5970	4808	400950	9433	n/a
44	1/17/2020	100.9	7670	5931	4832	400922	9411	n/a
45	1/17/2020	100.9	7634	5853	4976	400492	9344	n/a

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Farm Name: Thomas E. Hicks

Well Number: Hicks M08H

Lithology/Tops	MD Top	MD Base	TVD Top	TVD Base	Describe rock type and record quantity and type of fluid (Freshwater, Brine, Oil, Gas, H2S, Etc.)
Pittsburgh Coal	698	704	676	682	coal
Conemaugh	704	1096	704	1096	shale & siltstone transitioning to shale & limestone at base; gas shows
Allegheny	1096	1304	1096	1304	limey siltstones and shales; oil show
Clairion Coal	1290	1,297	1290	1297	coal
Salt Sands	1,304	1,545	1304	1544	interbedded sands and shales; gas shows
Mauch Chunk	1,545	1,666	1544	1665	sandy/silty shales
Big Lime	1,666	1,733	1665	1731	siltstone transitioning to limestone base
Burgoon	1,733	1,952	1731	1947	sandstone
Weir Shale	1,952	2,070	1947	2070	shale; brine
CHQA	6972	7084	6057	6133	siltstone/shale, gas shows
MDLX	7084	7126	6133	6158	shale
PYAN	7126	7189	6158	6191	siltstone/shale, gas show
BRKT	7189	7238	6191	6216	shale
BRKT.a	7238	7269	6216	6231	shale
TLLY	7269	7344	6231	6267	limestone, gas shows
S5	7344	7555	6267	6338	shale, gas shows
S3	7555	7642	6338	6359	shale, gas shows
STFD	7642	7647	6359	6360	limestone
S2.B	7647	7683	6360	6367	shale, gas shows
S2.A	7683		6367		shale, gas shows
TD	18,935				

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DRILLING CONTRACTORS		
Driller	Driller	Driller
Name Rocky Mountain drilling	Name Highlands Drilling LLC	Name Precision Drilling Holdings Company
Address 185 North Vernal Avenue, Suite 2	Address 900 Virginia Street East	Address 10350 Richmond Avenue, Suite 700
City - State - Zip Vernal, UT 84078	City - State - Zip Charlestown, WV 25301	City - State - Zip Houston, TX 77042

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Hydraulic Fracturing Fluid Product Component Information Disclosure

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Job Start Date:	1/22/2020
Job End Date:	1/20/2020
State:	West Virginia
County:	Marshall
API Number:	47-051-01993-00-00
Operator Name:	Chevron USA Inc.
Well Name and Number:	Hicks M08H
Latitude:	39.87162500
Longitude:	-80.81812500
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,478
Total Base Water Volume (gal):	22,313,886
Total Base Non Water Volume:	0

Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	Chevron	Carrier/Base Fluid	Water	7732-18-5	100.00000	88.45360	None
Sand	Upp	Proppant	Crystalline Silica in the form of Quartz	14808-60-7	99.90000	10.35804	None
FR-11	Upp	Friction reducer	Water	7732-18-5	55.00000	0.04232	None
			Hydrotreated Petroleum Distillate	64742-47-8	25.00000	0.01924	None
			CHEMPLEX-Polymer_00019	Trade Secret	25.00000	0.01924	None
			Sodium Chloride	7647-14-5	15.00000	0.01154	None
			Oleic Acid Diethanolamide	93-83-4	3.00000	0.00231	None
			Alcohol Ethoxylate Surfactants	68551-12-2	3.00000	0.00231	None
			Ammonium Chloride	12125-02-9	2.00000	0.00154	None
			Polyoxyethylene Sorbitan Monooleate	9005-65-6	1.00000	0.00077	None
HCl Acid (7.5%)	Upp	Acidizing	Hydrochloric Acid	7647-01-0	7.50000	0.07812	None
K-BAC 1020	Upp	Biocide					

Submitted 1/27/20

AS DRILLED PLAT

BHL is located on topo map 12,137 feet south of Latitude: 39° 52' 30"
 SHL is located on topo map 1,230 feet south of Latitude: 39° 52' 30"

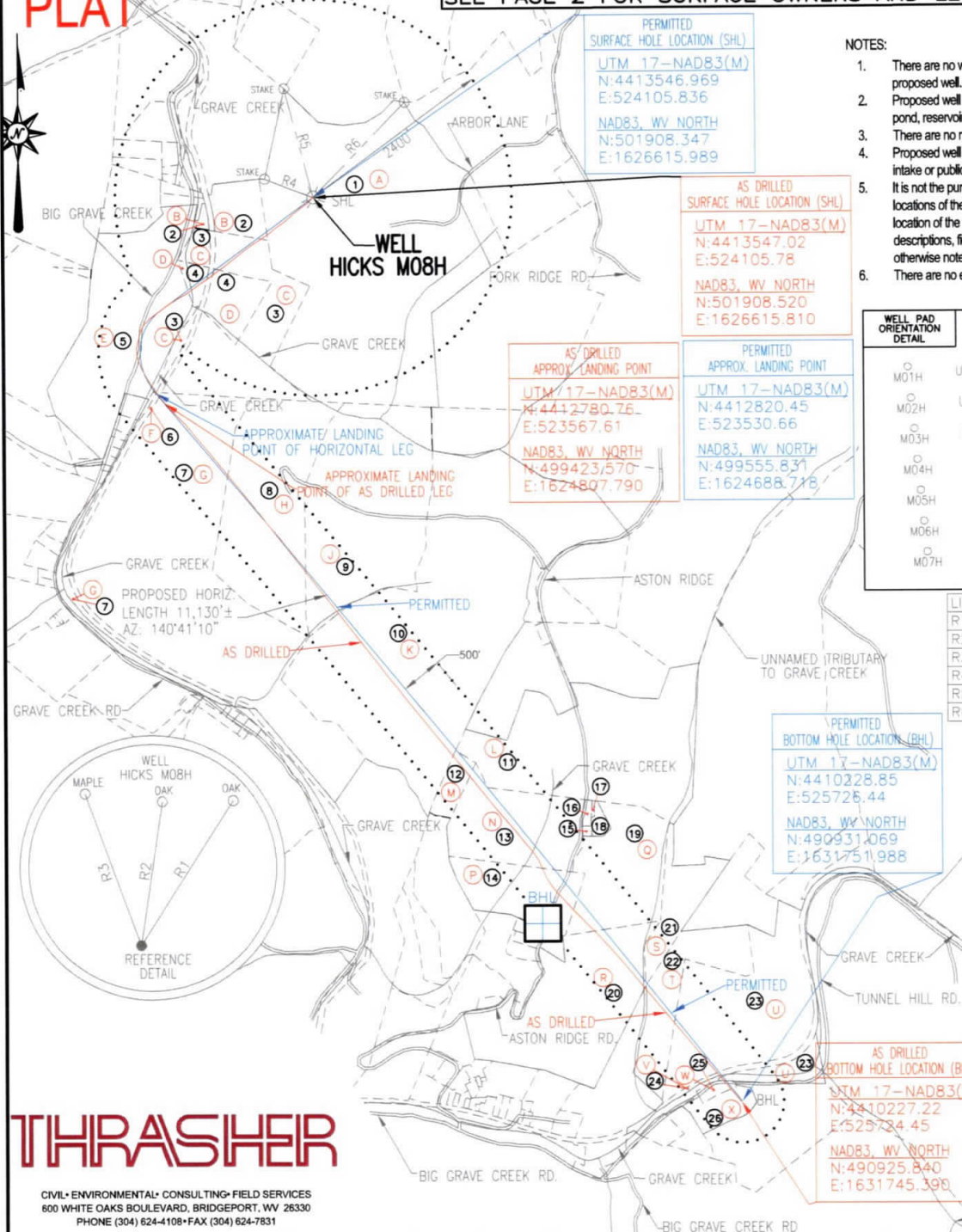
SEE PAGE 2 FOR SURFACE OWNERS AND LESSORS



NOTES:

- There are no water wells or developed springs within 250' of proposed well.
- Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
- There are no native trout streams within 300' of proposed well.
- Proposed well is greater than 1000' from surface groundwater intake or public water supply.
- It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.
- There are no existing buildings within 625' of proposed well.

BHL is located on topo map 9,164 feet west of Longitude: 80° 40' 00"
 SHL is located on topo map 2,748 feet west of Longitude: 80° 42' 30"



AS DRILLED APPROX. LANDING POINT
 UTM 17-NAD83(M)
 N:4412780.75
 E:523567.61
 NAD83, WV NORTH
 N:499423.570
 E:1624807.790

AS DRILLED SURFACE HOLE LOCATION (SHL)
 UTM 17-NAD83(M)
 N:4413547.02
 E:524105.78
 NAD83, WV NORTH
 N:501908.347
 E:1626615.989

PERMITTED APPROX. LANDING POINT
 UTM 17-NAD83(M)
 N:4412820.45
 E:523530.66
 NAD83, WV NORTH
 N:499555.831
 E:1624688.718

PERMITTED BOTTOM HOLE LOCATION (BHL)
 UTM 17-NAD83(M)
 N:4410228.85
 E:525726.44
 NAD83, WV NORTH
 N:490931.069
 E:1631751.988

AS DRILLED BOTTOM HOLE LOCATION (BHL)
 UTM 17-NAD83(M)
 N:4410227.22
 E:525724.45
 NAD83, WV NORTH
 N:490925.840
 E:1631745.390

WELL PAD ORIENTATION DETAIL

M01H	U14H	M15H	U28H	U29H
M02H	U13H	M16H	U27H	U30H
M03H	U12H	M17H	U26H	U31H
M04H	U11H	M18H	U25H	U32H
M05H	M10H	M19H	U24H	U33H
M06H	M09H	M20H	U23H	U34H
M07H	M08H	M21H	U22H	U35H

N.T.S.

LINE	BEARING	DISTANCE
R1	N 32°25'09" E	189.59'
R2	N 08°27'18" E	160.79'
R3	N 20°03'32" W	178.90'
R4	N 69°01'55" W	630.14'
R5	N 14°43'37" W	1364.32'
R6	N 44°08'50" E	1594.84'

LEGEND

- TOPO MAP POINT
- WELL
- ALL ARE POINTS UNLESS OTHERWISE NOTED.
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- WELL REFERENCE
- AS-DRILLED LATERAL
- PROPOSED HORIZONTAL WELL
- ROAD
- STREAM CENTER LINE
- LESSORS
- SURFACE OWNERS

GAS WELLS

- EXISTING WELLS
- PLUGGED WELLS

THRASHER

CIVIL • ENVIRONMENTAL • CONSULTING • FIELD SERVICES
 600 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330
 PHONE (304) 624-4108 • FAX (304) 624-7831

FILE #: HICKS M08H-AS DRILLED
 DRAWING #: HICKS M08H-AS DRILLED
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: 1/2500
 PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT THOMAS 1498.81'

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 THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signed: *George D. Six*
 R.P.E.: _____ L.L.S.: P.S. No. 2000



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP
 OFFICE OF OIL & GAS
 601 57TH STREET
 CHARLESTON, WV 25304



DATE: JANUARY 31, 2020
 OPERATOR'S WELL #: HICKS M08H-AS DRILLED
 API WELL #: 47 51 01993
 STATE COUNTY PERMIT

Well Type: Oil Waste Disposal Production Deep Gas Liquid Injection Storage Shallow

WATERSHED: MIDDLE GRAVE CREEK-GRAVE CREEK ELEVATION: 1161.57'

COUNTY/DISTRICT: MARSHALL / CLAY QUADRANGLE: GLEN EASTON, WV 7.5'

SURFACE OWNER: THOMAS E. HICKS ACREAGE: 172.100±

OIL & GAS ROYALTY OWNER: CHRISTA DAWN HICKS ET AL ACREAGE: 1123.453±

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION

PERFORATE NEW FORMATION PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE

(SPECIFY): AS DRILLED

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,320'± TMD: 19,704.02'±

WELL OPERATOR CHEVRON APPALACHIA, LLC DESIGNATED AGENT KENNETH E. TAWNEY
 Address 700 CHERRINGTON PARKWAY Address 500 LEE STREET, EAST SUITE 1600
 City CORAOPOLIS State PA Zip Code 15108 City CHARLESTON State WV Zip Code 25301-3202

HICKS M08H PAGE 2 OF 2

AS DRILLED
PLAT

	LESSOR	DIST-TM/PAR
A	CHRISTA DAWN HICKS ET AL	4-8/37
B	SIDNEY P. POND ET UX	4-8/36.1
C	LILLIE LAVERN GAREY	4-8/36
D	SIDNEY P. POND ET UX	4-8/36.2
F	MABEL J. WILLIAMS	4-8/23
F	CNX GAS COMPANY LLC	4-12/25
G	DIOCESSES OF WHEELING - CHARLESTON	4-10/1
	ROBERT S. WUERTHELE	
	MARK K. WUERTHELE	
	JEFFREY A. WUERTHELE	
	MICHAEL D. WUERTHELE	
	SISTERS OF ST. FRANCIS OF THE PROVIDENCE OF GOD	
	MARY ANN BAKER	
	ULMAN TRUST MARY ANN BAKER TRSTE	
	SUSAN M. & BERNARD LUKE ZIDAR	
	VICKIE L. MARKEY IRREVOCABLE TRUST	
H	JAMES L. COSTER ET AL	4-10/2
	FLOYD G. GREATHOUSE ET UX	
	PAUL R. BLAZER ET UX	
	ROBERT A. HOWARD EDGE JR., ET UX	
	THOMAS A. MONTI ET UX	
	JEANETTE G. SOUTH	
	RONALD L. LANCH ET UX	
	MICHAEL E. RHODEHAMEL ET UX	
	EDWARD D. YEATER	
	ROBERT A. EDGE ET UX	
	KENNETH R. RUNYAN ET UX	
	KENNETH R. RUNYAN ET UX	
	DANIEL G. MAY ET UX	
	KEVIN R. DURBIN ET UX	
	GARY D. HINERMAN ET UX	
J	JAMES L. COSTER ET AL	4-10/3
	FLOYD G. GREATHOUSE ET UX	
	PAUL R. BLAZER ET UX	
	ROBERT A. HOWARD EDGE JR. ET UX	
	THOMAS A. MONTI ET UX	
	G. JEANETTE SOUTH	
	RONALD L. LANCH ET UX	
	MICHAEL E. RHODEHAMEL ET UX	
	EDWARD D. YEATER	
	ROBERT A. EDGE ET UX	
	KENNETH R. RUNYAN ET UX	
	KENNETH R. RUNYAN ET UX	
	DANIEL G. MAY ET UX	
	KEVIN R. DURBIN ET UX	
	GARY D. HINERMAN ET UX	
K	ELAIN A. FONTES	4-10/4
	THE DAKAN FAMILY REVOCABLE LIVING TRUST	
	RONALD W. DAKAN	
	DAVID H. DAKAN	
	SUZANNE SWIFT	
	BARBARA D. FURFARI	
	DIANE WILLIS ET VIR	
	LESLIE MARIE BUTTS	

	LESSOR	DIST-TM/PAR
L	JOSEPH W. GOULDSBERRY ET UX	4-10/7
M	LESLIE M. BUTTS	4-10/8
	DIANE CLARE WILLIS ET VIR	
	BARBARA D. FURFARI	
	SUZANNE E. SWIFT	
	DAVID H. DAKAN	
	RONALD W. DAKAN	
	ELAINE A. FONTES	
	DIANA K. COSLICK	
	LESLEY D. BALLA	
N	JOSEPH W. GOULDSBERRY ET UX	4-10/11
P	VIOLET P. STANDIFORD	4-10/10
	RONNIE LEE MCCAMAN SR.	
	SANDRA JEAN OAKS	
	SALLY BECK	
	LEO A. MATTILIO	
	MARJORIE ANN GIBAS	
	RAYMOND DOUGLAS SMITH	
	LINDA K. MATTILIO-YEOMANS	
	FREDERICK EUGENE WHITEMAN	
	VIOLET LENORE KELLEY	
	CAROL JEAN ABBEY	
	LYNN EDWARD WEBB	
	MARTHA GAY BARRETT	
	KENNETH EUGENE SMITH ET UX	
	JIMMIE LEWIS SMITH ET UX	
	GARY LEE SMITH	
	GAIL LYNN BROWN	
	DEBORAH SUE BRICELAND	
	ERICH MICHAEL WHITEMAN	
	PETE LOPEZ IV	
	TRACY SAMANTHA SMITH	
	TERRY M. LOPEZ ET UX	
	SUMMER LLOYD	
	TABATHA JANE TOTH	
Q	DEVRON LEE WEST ET UX	4-10/13
R	WILLIAM R. STANDIFORD II ET UX	4-11/8.5
S	ROBERT M. SULLIVAN	4-10/14
T	ROBERT M. SULLIVAN	4-11/9
U	ROBERT M. SULLIVAN	4-11/10
V	CNX GAS COMPANY LLC	4-11/59
W	MARCUS WOOD ET UX	9-2/2.5
X	MILLIE L. HENRY ET AL	4-9/2.3

PERMITTED
SURFACE HOLE LOCATION (SHL)
UTM 17-NAD83(M)
N:4413546.969
E:524105.836
NAD83, WV NORTH
N:501908.347
E:1626615.989

AS DRILLED
SURFACE HOLE LOCATION (SHL)
UTM 17-NAD83(M)
N:4413547.02
E:524105.78
NAD83, WV NORTH
N:501908.520
E:1626615.810

PERMITTED
APPROX. LANDING POINT
UTM 17-NAD83(M)
N:4412820.45
E:523530.66
NAD83, WV NORTH
N:499555.831
E:1624688.718

AS DRILLED
APPROX. LANDING POINT
UTM 17-NAD83(M)
N:4412780.76
E:523567.61
NAD83, WV NORTH
N:499423.570
E:1624807.790

PERMITTED
BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83(M)
N:4410228.85
E:525726.44
NAD83, WV NORTH
N:490931.069
E:1631751.988

AS DRILLED
BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83(M)
N:4410227.22
E:525724.45
NAD83, WV NORTH
N:490925.840
E:1631745.390

	SURFACE OWNER	DIST-TM/PAR
1	THOMAS E. HICKS	4-8/37
2	VICKIE L. & SIDNEY P. POND	4-8/36.1
3	LILLEY LAVERN GAREY	4-8/36
4	SIDNEY P. POND ET UX	4-8/36.2
5	MABEL JUANITA WILLIAMS	4-8/23
6	CONSOLIDATION COAL COMPANY/MURRAY ENERGY C/O LAND DEPT.	4-12/25
7	CITY OF MOUNDSVILLE	4-10/1
8	JAMES L. COSTER	4-10/2
9	JAMES L. COSTER	4-10/3
10	DENNIS D. WINGROVE ET UX	4-10/4
11	JOSEPH W. GOULDSBERRY ET UX	4-10/7
12	DENNIS D. WINGROVE ET UX	4-10/8
13	JOSEPH W. GOULDSBERRY ET UX	4-10/11
14	JAMES STOUT	4-10/10
15	DEVRON L. WEST ET UX	4-10/12.1
16	JOSEPH S. EMERY ET UX	4-10/12
17	JOSEPH S. EMERY ET UX	4-10/13.2
18	DEVRON LEE WEST ET UX	4-10/13.1
19	DEVRON LEE & TRACIE JANE WEST	4-10/13
20	WILLIAM R. STANDIFORD II ET UX	4-11/8.5
21	ROBERT MORRIS SULLIVAN - ROBERT W. SULLIVAN	4-10/14
22	ROBERT MORRIS SULLIVAN - ROBERT W. SULLIVAN	4-11/9
23	ROBERT MORRIS SULLIVAN - ROBERT W. SULLIVAN	4-11/10
24	CNX GAS COMPANY LLC	4-11/59
25	MARCUS L. WOOD ET UX	9-2/2.5
26	MINNIE L. HENRY - LIFE	4-9/2.3

JANUARY 31, 2020

THRASHER

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