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

API 47 043	_ 03500	County LINC	OLN	District DUVAL		
Quad GRIFFITHSVIL	LE 7.5'		WLER, THOMAS	_ Field/Pool Name _	GRIFFITH	SVILLE
Farm name MCCLURE						
Operator (as registered v			LLC			
Address 5260 DuPON	IT ROAD	City_F	ARKERSBURG	State WV	Zip	26101
		Attach an as-dr Northing 4,231,736 M Northing		nd deviation survey sting 416,495 M		
_		Northing		sting		
Elevation (ft) 1,003'	GL	Type of Wel	1 ≜ New □ Existing			
Permit Type Devia	ated □ Ho	orizontal 🗆 Horiz	contal 6A	Depth Type	□ Deep	Shallow
Type of Operation □ Co	onvert 🗆 D	eepen 📱 Drill	□ Plug Back □ Redi	rilling Rework	□ Stimula	ate
Wall Time Dies	noeal ⊏ C'BM	- Cas ■Oil ⊓S	Secondary Recovery 🗆 S	Solution Mining = 5	Storage = C	What
				_	_	
Type of Completion	Single Mul	tiple Fluids Pro	duced □ Brine □Gas	□ NGL ■ Oil	′ □ Other _	
Drilled with □ Cable	■ Rotary					
Drilling Media Surface	holo Min	- Mud #Eroch V	Vatar Intermediate	holo = Air = N/o	rd # Emails	Water - Drive
Production hole Air				Hole HAIF LIMI	ıα ≡ rresn	water Brine
Mud Type(s) and Additi		FIGSH Water Di	me			α.
N/A						
						·
Date permit issued	6/29/15	Date drilling co		Date drining	-	
Date completion activities		7/21/16	Date completion ac	tivities ceased	7/21/16	
Verbal plugging (Y/N)	N	Date permission gran	ited	Granted by		Boos:
					C	Received
Please note: Operator is	required to sul	bmit a plugging app	lication within 5 days of	verbal permission to	plug	of Oil & Ga AUG 01 2016
Freshwater depth(s) ft		None	Open mine(s) (Y/N)	depths	None	
Salt water depth(s) ft	1130	ʻ, 1430ʻ	Void(s) encountered	(Y/N) depths	Nor	ne
Coal depth(s) ft	490'-	497'			No	ne
Is coal being mined in ar			Cavern(s) encounter	ed (Y/N) depths	110	110

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CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/ * Provide details below
Conductor	12 1/4"	11 5/8"	30'	Used	LS	2-1-1-(0)	Sand In
Surface	8 3/4"	7"	551'	New	LS	64'	Y
Coal							
Intermediate 1							
ntermediate 2	1						
ntermediate 3							
roduction	6 1/4"	4 1/2"	2589.5'	Used	J-55	ĺ	Y
Tubing							
acker type and d	lepth set						
CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yie (ft³)			nent WOC (MD) (hrs)
Conductor						(4)	91
Surface	Reg Neat	140	15.6	1.1	18 16	5 Sur	face 8
Coal							
ntermediate 1		1					
ntermediate 2	Ī		ļ				
Production		1101100	10.011.0	1.50		1	
ubing	50:50 Pozmb	x 110/125	13.2/14.2	1.64/	1.27 180/	186 8	0' 8
Orillers TD (fi Deepest forma Plug back pro	tion penetrated	Berea		Loggers TD Plug back to			
Kick off depth Check all wire		■ caliper	■ density ■ resistivity	deviated		induction temperature	□sonic
Well cored [Yes 🚪 No	Convention	al Sidewal	11	Were cutti	ngs collected	■ Yes □ No
DESCRIBE T	HE CENTRALI from bottom on 4 1/2", Centra	ZER PLACEMEN alizer placed mid string on 7"	IT USED FOR I	EACH CAS	SING STRING		
							Free Control of the C
MAG METT (COMPLETED A	AS SHOT HOLE	⊓ Yes ▮ N	o DET	CAILS	Offic	Se of CATS Gas
WAS WELL				. 55.			110 5

WERE TRACERS USED □ Yes ■ No TYPE OF TRACER(S) USED _

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Farm name MCCLURE, ANDY & REBECCA Well number 250

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
_ 1	7/21/16	2483'	2493'	40	Berea
		- 3			
- 5					
			<u> </u>		
L			<u> </u>	L	

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations 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	7/21/16	4	555	1290	514	1,000	149	
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Please insert additional pages as applicable.

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API 47- <u>043</u>	_ 03500	Farm	Farm name MCCLURE, ANDY & REBECCA Well number 250							
PRODUCING I	FORMATION	<u>(S)</u>	<u>DEPTHS</u> 2479'- 2497'	_TVD		MD				
Please insert ad	ditional pages a	as applicable.	-	_		,				
GAS TEST	□ Build up	⊐ Drawdown	□ Open Flow		OIL TEST 🗆	Flow [Pump			
SHUT-IN PRES	SSURE Surf	face	psi Botto	m Hole	psi	DURA:	TION O	F TES	Т	hrs
OPEN FLOW	Gas met	Oil fpd	NGL bpd	_ bpd	Water bpd		/IEASU nated			Pilot
LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN I	FT DESCRIBE					ITYAND BAS, H₂S, ETC)
Sand/Shale	0	490	0	14115	THE OF TH	20113 (1100	BIIWAII	CIN, DINI	NE, OIL, C	AB, 1125, E1C)
Pittsburgh Ccal	490	497	1				·			
Sand/Shale	497	1760								
Big Lime	1760	1978								
Big Injun	1978	2066								
Shale	2066	2459					-			
Coffee Shale	2459	2479								
Berea	2479	2497			i					
Shale	2497	2630								
ат	2630									
	-									
Please insert add	ditional pages a	as applicable.	<u> </u>							
Drilling Contract Address 11565 S	ctor Decker Dril		City	Vincent		State	ОН	Zip	45784	
Logging Compa Address 11000 F	ny Weatherford	d International	City	Youngstown	n	State	ОН	Zip	44502	Resease ffice of Oil & G
Cementing Com Address 2228 Pr	npany Baker Hu nilippi Pike	ighes	City	Clarksburg		State	wv	Zip	26301	Moe of On & G AUG 01 2016
Stimulating Con Address 109 Sou		cers Service Co	orp.	Zanesville	-	State	ОН	Zin	43701	
Please insert add										
Completed I	Roge Heldmar	D7 .			Telephone	304-420	-1107			
Completed by	Kn M									

Prepared for:

H G Energy

Dustin Hendershot

Customer Approval:

304-481-7342



Prepared by:

Producers Service Corp

Daniel L Graham

109 S. Graham St.

Zanesville, OH 43702

740-454-6253

INVOICE #: 19519					
WELL NAME: Thomas Fowler #250			·		
COUNTY/STATE: Lincoln WV					
TOWNSHIP/FIELD: Griffithsville					
DATE of SERVICE: 7/21/2016					
CUSTOMER PO#:					
Description	Notes	Amount	Units	Unit Cost	Total Cost
FLUID PUMP CHARGE 0-3000 PSI MIN CHARGE 4 HRS		1	EA		
BLENDER CHARGE 0-10 BPM		1	EA		
MILEAGE CHARGE PER UNIT ONE WAY	2 Units @200 Miles	400	NI I		
IC ACID 15%		250	GAL		
PRO HIB II		0.5			
ACID DELIVERY		4			
PRO CLA FIRM LP		6			
PRO NE-21		6	GAL		
PRO GEL 4		100			
BUFFERI		50			
DATA VAN		1			
BIO CLEAR 750		1			
IRONTROL		50			
SAND 20/40 OTTAWA		10			
SAND DELIVERY / TON MILES		100	TMILE		
		10.00	<u> </u>		
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