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

API 47- 069 00185	County 69-Ohio		District 3-Liberty	
Quad 648-Valley Grove	Pad Name Alice I	Edge-OHI-Pad1	Field/Pool Name	
Farm name Edge, Alice Mae			Well Number 200	
Operator (as registered with the OO	G) SWN Production C	O., LLC		
Address P.O. BOX 12359	City Spri	ng	State TX	Zip 77391-2359
As Drilled location NAD 83/UTM Top hole Landing Point of Curve	Attach an as-drille Northing 4438937.148 Northing 4438575.700	i plat, profile view, an	ad deviation survey sting 537467.150 ting 537084.375	
Bottom Hole	Northing 4436543.832		ting 537927.310	
	Horizontal Horizont Deepen Driil BM Gas Oil Sector	Plug Back	Depth Type illing	
Date permit issued 11/20/2014 Date completion activities began Verbal plugging (Y/N) N Please note: Operator is required to	08/28/2015 Date permission granted		ivities ceased Granted by	10/11/2015
	0001			N.
Freshwater depth(s) ft	200'	Open mine(s) (Y/N)	depths	N N
Salt water depth(s) ft	732'	Void(s) encountered	(Y/N) depths	N I Gas
Coal depth(s) ft	582'	Cavern(s) encountered	ed (Y/N) depths	N. a. Carra
Is coal being mined in area (Y/N)_	N		,	Reviewed by:

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SEE SURFACE	Rev. 8/23/13										U	
STRINGS Size Size Depth Used w/ft Depth(s) * Provide details be Condicator 2.6 2.0 126' N J-55/94# Y Surface 17.5 13.375 630' N J-55/40# 29 BBLS TO S Cod. SEE SURFACE Intermediate 1 12.25 9.625 2125' J-55/40# 47 BBLS TO S Intermediate 2 Intermediate 3 Intermediate 3 Intermediate 3 P-110/20# Y Production 8.75/8.5 5.5 14580' N P-110/20# Y Tubing 2.375 7209' N P-110/20# Y Packer type and depth set Comment Details Surface A 574 15.6	API 47- 069	00185	Farm na	_{ime} Edg	ge, Alice M	1ae		Wel	ell number 206H			
Condition			_	Dept							, ,	
Surface 17.5 13.376 630' N J-55/54.56/# 29 BBLS TO S Conl SEE SURFACE Intermediate 1 12.25 9.625 2125' J-55/40# 47 BBLS TO S Intermediate 2 Intermediate 3 Production 8.75/8.6 5.5 14580' N P-110/20# Y Tubing 2.375 7209' N P-110/4.7# Y Packer type and depth set 2.375 7209' N P-110/4.7# Y Comment Details CEMENT Class/Type Number Sturny Yield Volume Coment WO (nr Conductor A 574 15.6 1.20 689 30 8 8 GTS GTS GTS GTS GTS GTS Intermediate 1 A 801 15.6 1.20 689 30 8 8 6 1.18 Intermediate 2 Intermediate 2 Intermediate 2 Intermediate 3 Intermediate 3 <			1									
Intermediate 2	Surface	17.5 13.375		630	,	N	1		29 BB		29 BBLS TO SFC	
Intermediate 2	Coal	SEE SURFACE								T)		
Intermediate 2	Intermediate 1	12.25	9.625	2125	5'		J-55/40#				47 BBLS TO SFC	
Production 8.75/8.5 5.5 14580' N	Intermediate 2				ij					W		
Tubing 2.375 7209' N P-110/4.7# Packer type and depth set	Intermediate 3					1						
Packer type and depth set	Production	8.75/8.5	5.5	1458	0'	N	P-110/20#				Y	
Cement Details	Tubing		2.375	7209	9'	N			à			
CEMENT Class/Type DATA Number of Sacks Slurry wt (ppg) Yield (ft v)sks) Volume (ft v)sks) Cement (ft v)sks) WO (ft v)sks) Cement (ft v)sks) Wo (ft v)sks) Volume (ft v)sks) Cement (ft v)sks) Wo (ft v)sks) Volume (ft v)sks) Cement (ft v)sks) Wo (ft v)sks) Volume (ft v)sks) Cement (ft v)sks) Wo (ft v)sks) Volume (ft v)sks) Cement (ft v)sks) Wo (ft v)sks) Visit (ft v)sks) Vi	Packer type and o	lepth set									,	
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SEE SURFACE		A				1.19				GTS	GTS	
Intermediate I A 801 15.6 1.18 Intermediate 2 Intermediate 3 Production A 997/1796 15.6 1.20/1.19 1196/2137 603 2.7 Tubing Drillers TD (ft) 14,580° Loggers TD (ft) 13,903° Deepest formation penetrated MARCELLUS Plug back to (ft) Plug back procedure NA Kick off depth (ft) 5600° Check all wireline logs run		A	574	91	15.6	1.20	20 689			30	8	
Intermediate 2 Intermediate 3 Production A 997/1796 15.6 1.20/1.19 1196/2137 603 2.7 Tubing Drillers TD (ft) 14,580 Loggers TD (ft) 13,903 Plug back to (ft) Plug back procedure NA Kick off depth (ft) 5600 Check all wireline logs run a caliper density deviated/directional induction a neutron a resistivity gamma ray temperature isonic Well cored in Yes in No Conventional Sidewall Were cuttings collected in Yes in No DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING		SEE SURFAC	ΕŊ				1					
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Production A 997/1796 15.6 1.20/1.19 1196/2137 603 2. Tubing Drillers TD (ft) 14.586* Deepest formation penetrated MARCELLUS Plug back procedure NA Kick off depth (ft) 5600* Check all wireline logs run Check all		2										
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Deepest formation penetrated MARCELLUS Plug back to (ft) Plug back procedure NA Kick off depth (ft) 5600° Check all wireline logs run	Tubing	R										
# neutron	Deepest forma	ation penetrated _	MARCELLUS									
		·	■ neutron	🖺 resi	stivity 🗂		у		temperatu			
WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS	All casing strings will be	rsn with a centralizer at a minir	num of ∜ per every 3 joints o	casing.				TRING _				

TYPE OF TRACER(S) USED _

WAS WELL COMPLETED OPEN HOLE? □ Yes ■ No

WERE TRACERS USED □ Yes □ No

DETAILS

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API 47- 069 _ 00185 Farm name Edge, Alice Mae Well number	_{er_} 206H
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PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
3		SEE	ATTACHED		
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	1				
					1
				_	

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 (ibs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
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Please insert additional pages as applicable.



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API 47- 069 00185			Farm name Edge, Alice Mae						Well number 206H					
PRODUCING	PRODUCING FORMATION(S)			<u>DEPTHS</u>										
MARCELLUS			639		TVD	150	676		MD					
					_ 1 12				1485					
									<u>.</u>					
Please insert ac	Iditional page	s as applicab	le.		-	-								
GAS TEST	□ Build up	□ Drawdow	n 🗆 (Open Flow		OII	L TES	ST 🗆 I	Flow [ı Pump				
SHUT-IN PRE	SSURE S	ırface 1300	p	si Botto	m Hole_			_psi	DURA]	TION C	F TES	г	hı	'S
OPEN FLOW		Oil							GAS N					
	3504 m	cfpd 362	_ bpd		_e bpd	164		bpd	■ Estir	nated	□ Ori	ice	□ Pilot	
LITHOLOGY/	TOP	вотто	V.	TOP	BOTTO	M								
FORMATION	DEPTH IN F		FT D	EPTH IN FT	DEPTH II	V FT						-		
	NAME TVD	TVD	1	0 MD	MD		IYP	E OF FL	UID (FRE	SHWAT	er, brii	NE, OIL	, GAS, H ₂	S, ETC)
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Please insert ac	 ditional nage:	s as annlicah	le.			-								
Drilling Contra														
Address 1000 E		LLLITO OO.		City	Spring				State	TX	Zip	77389		
			1000						5					_
Logging Comp Address 8885 S	any NINE EN	IERGT SERV	ICES	City	Bryan				State	ΤX	Zip	77808		
									State		Z ip .			
Cementing Con Address 717 17		KAC WELL SE	RVICE		Denver	-			Ctata	CO	7:	80202		
Address				City					_ State		Zip	OOLOL		
Stimulating Co	r <i>y</i>	LUMBERGER	R OIL FI						_	TV.		77026)	
Address 1121 B Please insert ad		s as annlicah		City	Houston				_State		Zip	77039	र दीवड	
													^	
Completed by	SHELLY BOY	NEN		pp O	DECLI A		Tele	phone	832-796	-6237	<u> </u>	<u> </u>	5	
Signature	nelle	workn	<u> </u>	Title Si	R. REGULA	TOR	TANA	ALTO!		Date _	9/15	116	F 42	
Submittal of H	ydraulic Fract	uring Chemi	cal Disc	closure Infor	mation	A	ttach	сору о	f FRACI	OCUS	Regist	ry	- 1 44 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	en