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

API <u>47</u> - 069 _ 00185	County 69-Ohio	Dist	rict 3-Liberty	
Quad 648-Valley Grove	Pad Name Alice E	Edge-OHI-Pad1 Field	d/Pool Name P	anhandle Field
Farm name Alice Mae Edge			II Number 206	
Operator (as registered with the OOC	SWN Production C	O., LLC		
Address 10000 Energy Drive	City Sprii	ng	State TX	Zip <u>77389</u>
As Drilled location NAD 83/UTM Top hole Landing Point of Curve	Northing 4438937.148 Northing 4438575.700	Easting	537467.150 537084.375	
Bottom Hole	Northing 4436543.832	Easting _	537927.310	
Elevation (ft) 1199' GL	Type of Well	New □ Existing	Type of Report	□Interim ■Final
Permit Type Deviated I	Horizontal 📕 Horizont	al 6A □ Vertical	Depth Type	□ Deep ■ Shallow
Type of Operation □ Convert □	Deepen	Plug Back	□ Rework	■ Stimulate
Well Type □ Brine Disposal □ CB	M ■ Gas □ Oil □ Seco	ondary Recovery	on Mining 🗆 St	orage Other
Type of Completion ■ Single □ M Drilled with □ Cable ■ Rotary	ultiple Fluids Produc	ed Brine BGas B	NGL 🗆 Oil	□ Other
Drilling Media Surface hole ■ A	ir □ Mud ■Fresh Wate	er Intermediate hole	■ Air □ Mud	I ■ Fresh Water □ Brine
Production hole Air Mud	□ Fresh Water □ Brine			
Mud Type(s) and Additive(s) SOBM				
Date permit issued11/20/2014	Date drilling comm		Date drilling	-
Date completion activities began	7/6/2015	Date completion activities	s ceased	10/11/2015
Verbal plugging (Y/N)N	Date permission granted		Granted by	
Please note: Operator is required to s	submit a plugging applica	tion within 5 days of verbal	l permission to p	olug
Freshwater depth(s) ft		Open mine(s)(Y/N) depths		N
Salt water depth(s) ft	737'	Voids encountered ved	depths	N
Coal depth(s) ft582	2'-592'	Cavern(s) encountered (1 Gas ths	N
Is coal being mined in area (Y/N)	A 1	JAN 08 2016		Reviewed by:

03/04/2016

Kev. 8/23/13									
API 47- 069	_ 00185	Farm r	name_Alice	Mae Edge	•	We	ell number	_{r_} 206H	
CASING STRINGS	Hole Size	Casing Size	Depth	New o		ade /ft	Basket Depth(s)	Did ce	ement circulate (Y/ N vide details below*
Conductor	30	20	100'	N N		25-94 LB/FT	Departs		vide details below
Surface	17.5	13.375	624'	N N		55-54.5 LB/FT			
Coal	12.25	9.625	2,124'	N N		55-40 LB/FT	-		
Intermediate 1		0.020					-		
Intermediate 2									
Intermediate 3							-		
Production	8.75/8.5	5.5	5,574/14,5	54' N	P-1	10RY-23 LB/FT			Υ
Tubing	4.78	2.375		N		110-4.7 LB/FT	·		
Packer type and dep		2.010		1 1					
CEMENT DATA	Class/Type of Cement	Numb of Sac		Slurry vt (ppg)	Yield (ft ³/sks)	Volum (ft ²)		Cement Top (MD)	WOC (hrs)
Conductor	A	0.540		··· (PPB)	1.19	112.4		GTS	GTS
Surface	A	574		15.6	1.20	689		30	8
Coal	A	801		15.6	1.18	945		30	8
ntermediate 1				,,,,,					
Intermediate 2									
ntermediate 3									
Production	Α	997/17	96	15.6	1.20/1.19	1196/21	37	603	24
Гubing									
Drillers TD (ft) Deepest formati Plug back proc	ion penetrated	MARCELLUS			ers TD (ft) back to (ft)				
Kick off depth (≜ caliper	■ densit	-	eviated/dire		induction		
		≜ neutron			amma ray		temperat		
Well cored	Yes 🖪 No	Convent	ional S	Sidewall		Were cutting	gs collecte	ed □ Yes	■ No
		IZER PLACEM		FOR EAC	H CASINO	STRING _			
WAS WELL CO	OMPLETED A	AS SHOT HOL	E 🗆 Yes	■ No	DETAIL	.s			
				-				Receiv	
WAS WELL CO	OMPLETED (OPEN HOLE?	□ Yes ■	No I	DETAILS		Off	fice of O	II & Gas
								IAN OR	2016

All 4/ Tarm hame wen hamber	API 47-	069 _ 00185	Farm name Alice Mae Edge	_Well number_206H
-----------------------------	---------	-------------	--------------------------	-------------------

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
		SEE	ATTACHED		
,					
	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 (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
			SEE	ATTACHE				
			-					
					-			
					<u> </u>			
			·					
							Rece	ived
						C	ffice of (ived Dil & Gas
					· · · · · · · · · · · · · · · · · · ·		JAN 0	3 2016

Please insert additional pages as applicable.

API 47- 069	_ 00185	Farm	name Alice Ma	ae Edge		Well i	number	. 206Н
PRODUCING	FORMATION	<u>V(S)</u>	<u>DEPTHS</u>					
MARCELLUS			6390	_TVD _	15676	MD		
								
Please insert ac		as applicable.						
GAS TEST	□ Build up	□ Drawdown	□ Open Flow	(OIL TEST 🗆	Flow c	l Pump	
SHUT-IN PRE	SSURE Su	rface	psi Botto	m Hole	psi	DURAT	CION C	OF TEST NA hrs
OPEN FLOW	Gas 3504 m	Oil cfpd 362	NGL bpd					JRED BY ☐ Orifice ☐ Pilot
LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD		TOP DEPTH IN FT MD	BOTTOM DEPTH IN F MD	T DESCRIBE			RECORD QUANTITYAND ER, BRINE, OIL, GAS, H₂S, ETC)
	0		0 see	attached				
				 				
				-				
21	1	1. 11						
Please insert ad								
Drilling Contra Address 1000 E	ctor SVVN DRI	LLING CO.	City	Spring		State	TX	Zip 77389
		EDGV SEDVICE				50		
Logging Comp. Address_8885 S	any NINE EIN	ERGY SERVICE	City	Bryan		State	TX	Zip 77808
		AC WELL SERV				_		•
Cementing Cor Address 717 17	npany <u>0727 K</u> th St #1445		City	Denver		State	со	Zip 80202
Stimulating Co	mnany SCHI	UMBERGER O	L FIELD SERVIO	CES				
Address 1121 B			City	Houston	·	State	TX	Zip 7703Received
Please insert ad	ditional pages	as applicable.						Office of Oil & G
Completed by	CODY MAGB	Y	- <i>J</i>		Telephone	832-796	-6215	JAN 08 2016
Signature	Cory	7 H	Pittle S	R. REGULATO	ORY ANALYST		Date 1	/5/2015

03/04/2016

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

API <u>47</u> - 069 -	00185	County 69-Ohio		District 3-Lib	erty	
Quad 648-Valley Grov	'e	Pad Name Alice E	Edge-OHI-Pad1	Field/Pool Nat	me Panhand	le Field
Farm name Alice Mae E	dge	-		Well Number		
Operator (as registered w		WN Production C	O., LLC			
Address 10000 Energy	Drive	City Spri		State TX	Zi	77389
	D 83/UTM op hole Nort	Attach an as-drilled	d plat, profile view, and East	l deviation surv ing 537467.150		
Landing Point of	f Curve Nort	hing <u>4438575.700</u>	Easti	ing 537084.375		
Bottor	n Hole Nort	hing <u>4436543.832</u>	Easti	ing <u>537927.310</u>		
Elevation (ft) 1199'	GL	Type of Well	New □ Existing	Type of R	Report □Interin	n ≜ Final
Permit Type	ted 🗆 Horizo	ontal 📱 Horizont	al 6A 🛛 Vertical	Depth Ty	⁄pe □ Dee	p 📱 Shallow
Type of Operation □ Co	nvert □ Deep	en ∎ Drill 🗆	Plug Back □ Redril	ling 🗆 Rev	vork 📱 Stimi	ulate
Well Type Brine Disp	osal □ CBM 📱	Gas □ Oil □ Seco	ondary Recovery So	lution Mining	□ Storage □	Other
Type of Completion BS	ingle 🗆 Multiple	e Fluids Produc	ed Brine BGas	■ NGL □	Oil 🗆 Other	·
Drilled with □ Cable	■ Rotary					
Drilling Media Surface	hole ∄ Air □	Mud ■Fresh Wate	er Intermediate h	ole 🛢 Air n	o Mud ■ Fres	sh Water 🗆 Brine
Production hole Air	■ Mud □ Fre	sh Water 🗆 Brine				
Mud Type(s) and Additiv	/e(s)					
	1/20/2014		enced 4/8/2015			4/30/2015
Date permit issued11		Date drilling comm	lonced		illing ceased	
Date completion activities	ocgan	7/6/2015	Date completion activ	vities ceased	10/11/20	
Verbal plugging (Y/N) _	N Date	permission granted		_ Granted by		
Please note: Operator is a	equired to submi	t a plugging applica	tion within 5 days of ve	erbal permissio	on to plug	
Freshwater depth(s) ft _			Open mine(s) (Y/N) de		N	
Salt water depth(s) ft			Void(s) encountered (HACGIVED		N
Coal depth(s) ft	582'-592	2'	Cavern(s) encountered	(Y/N) depths		N
Is coal being mined in are	ea (Y/N)	A 1	J,	AN 08 2016		
					Re	viewed by:

03/04/2016

Rev. 8/23/13										
API 47- 069	_ 00185	Farm	name_Ali	ce Mae E	Edge		We	ell number_	206H	
CASING STRINGS	Hole Size	Casing Size	Dej		New or Used	Grade wt/ft		Basket Depth(s)		ement circulate (Y/N) wide details below*
Conductor	30	20	10		N		94 LB/FT			The desired desired
Surface	17.5	13.375	62	4'	N	J-55-5	4.5 LB/FT			
Coal	12.25	9.625	2,12	24'	N	J-55-	40 LB/FT			
Intermediate 1										
Intermediate 2								· · · · · · · · · · · · · · · · · · ·		
Intermediate 3										
Production	8.75/8.5	5.5	5,574/1	4,554'	N	P-110R	Y-23 LB/FT			Y
Tubing	4.78	2.375			N	P-110	4.7 LB/FT			
Packer type and de	pth set		•			<u> </u>		1	············	
CEMENT DATA	Class/Type	Numb of Sac		Slurry wt (ppg)		Yield t ³ /sks)	Volume (ft ²)		Cement 'op (MD)	WOC (hrs)
Conductor	A	01540	, KS	и (ррд)		1.19]	<u> </u>	GTS	GTS
Surface	Α	574	,	15.6	- 	1.20	689		30	8
Coal	Α	801		15.6		1.18	945		30	8
Intermediate 1				· · ·						
Intermediate 2										
Intermediate 3										
Production	Α	997/17	796	15.6	1,2	:0/1.19	1196/21	37	603	24
Tubing										
Drillers TD (ft) Deepest format Plug back proc Kick off depth Check all wirel	ion penetrated cedure NA (ft) 5646'	MARCELLUS a caliper a neutron		P		to (ft)	onal 🗆	induction		nic
Well cored DESCRIBE TF All casing strings will be rar	IE CENTRALI	Convent IZER PLACEN Imum of 1 per overy 3 Joints	ional IENT US	Sidewal	ì	W	ere cutting	gs collected	d □Yes	
WAS WELL C	OMPLETED A	AS SHOT HOL	Е о Ү	es 🖪 No	o DI	ETAILS		Off	Rece	ived iii & Gas
WAS WELL C	OMPLETED (OPEN HOLE?	□ Yes	■ No	DETA	AILS _			JAN 08	2016
WEDE TO ACE	RS USED -	Vec n No	TVDI	E OE TD 4	CEB(S) I	USED				

API 47-	069 _ 00185	Farm name Alice Mae Edge	_Well number_206H
---------	-------------	--------------------------	-------------------

PERFORATION RECORD

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

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)
			SEE	ATTACHE				
				-				
-								
				 		<u> </u>		
				+				
			*					
				<u> </u>				
<u> </u>						1		
							Hec	elved
							Office of	elved Oil & Gas
							JAN 0	0 2010

Please insert additional pages as applicable.

API 47- 069	00185	Farm	name Alice Ma	e Edge			Well	number	206H		
PRODUCING	FORMATION(<u>S)</u>	<u>DEPTHS</u>								
MARCELLUS			6390	TVD	1567	76	MD				
				_ 1 1 1 2							
											
											
Please insert ad	lditional pages a	s applicable.									
GAS TEST	□ Build up □	Drawdown	□ Open Flow		OIL	TEST 🗆	Flow [2 Pump			
SHUT-IN PRE	SSURE Surf	ace	psi Botto	m Hole		psi	DURA?	TION C	F TES	T NA	hrs
OPEN FLOW	Gas	Oil	NGL		Wat	ter	GAS N	⁄/EASU	IRED I	3Y	
	3504 mcf	pd 362	bpd	_ bpd _	164	bpd					ilot
LITHOLOGY/	TOP	BOTTOM	TOP	BOTTON		PEGGDIDE	חסמע דעו	DC 431D	DECOR	D OI LANTET	VAND
FORMATION	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN MD						D QUANTIT NE OIL GA	Y AND S, H₂S, ETC)
	0		0	IVID	\neg	1112 01 11	<u> </u>		DIC, DICE	112, 012, 011	5,1120, 210)
			see	attached	1						
											
					\dashv						
					\dashv						
											
					\rightarrow						
										 	
Please insert ad	l ditional pages a	ls applicable.									
Address 1000 E	ctor SWN DRILL	-IIVG CO.	City	Spring			State	TX	7in	77389	
							_ State		<i>Z</i> .ip		
Logging Compa	any NINE ENER	RGY SERVICE						T)/		77000	
Address 8885 S	tate Hwy 21 E		City	Bryan			State	TX	Zip	77808	
Cementing Con	npany CALFRAC	WELL SERV	ICES CORP.								
Address 717 171	th St #1445		City	Denver			State	СО	Zip	80202	
Stimulating Cor	mnony SCHLU	MBERGER OI	L FIELD SERVIO	CES							
Address 1121 B	····p		City	Houston	_		State	TX	Zip	77039	
' <u></u>	ditional pages a	s applicable.				_					elued
	CODY MACON	1				m	020 700	6045	M		eived
	CODY MAGBY	1 / Mm	Tielo Si	R. REGULA	_ TORY	Telephone	032-196	Date 1			Oil & Gas
Signature	- VIII	11/1	Title of					Date	. 5.20.0	JAN 0	8 2016
Submittal of Hy	draulic Fracturi	ing Chemical I	Disclosure Infoi	mation	Atta	ach copy o	f FRACE	OCUS	Regist	ry 0.3	3/04/2016

WELL NAME	STAGE NUM	Stim Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)
ALICE EDGE OHI 206	1	8/30/2015	2	8,223
ALICE EDGE OHI 206	2	8/31/2015	2	8,320
ALICE EDGE OHI 206	3	9/1/2015	2	8,327
ALICE EDGE OHI 206	4	9/2/2015	2	8,397
ALICE EDGE OHI 206	5	9/3/2015	2	8,177
ALICE EDGE OHI 206	6	9/3/2015	2	8,060
ALICE EDGE OHI 206	7	9/4/2015	2	8,314
ALICE EDGE OHI 206	8	9/5/2015	2	8,155
ALICE EDGE OHI 206	9	9/5/2015	2	7,979
ALICE EDGE OHI 206	10	9/9/2015	2	7,527
ALICE EDGE OHI 206	11	9/10/2015	2	7,859
ALICE EDGE OHI 206	12	9/10/2015	2	7,888
ALICE EDGE OHI 206	13	9/11/2015	2	7,806
ALICE EDGE OHI 206	14	9/11/2015	2	7,452
ALICE EDGE OHI 206	15	9/12/2015	2	7,400
ALICE EDGE OHI 206	16	9/12/2015	2	7,549
ALICE EDGE OHI 206	17	9/13/2015	2	7,655
ALICE EDGE OHI 206	18	9/13/2015	2	7,258
ALICE EDGE OHI 206	19	9/14/2015	2	7,097
ALICE EDGE OHI 206	20	9/14/2015	2	7,228
ALICE EDGE OHI 206	21	9/15/2015	2	7,007
ALICE EDGE OHI 206	22	9/15/2015	2	7,301
ALICE EDGE OHI 206	23	9/16/2015	2	7,159
ALICE EDGE OHI 206	24	9/16/2015	2	7,194
ALICE EDGE OHI 206	25	9/17/2015	2	7,016
ALICE EDGE OHI 206	26	9/18/2015	2	7,017
ALICE EDGE OHI 206	27	9/18/2015	2	6,914
ALICE EDGE OHI 206	28	9/18/2015	2	6,897
Grand total	Grand total	8/30/2015	2	7,613

Received
Office of Oil & Gas
JAN 0 8 2016

Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of water bbls
8,914	4,216	504,520	7,381
9,072	4,929	500,140	7,362
8,874	4,685	500,840	7,313
9,139	4,815	500,840	7,256
9,159	4,701	508,260	7,379
9,225	4,752	504,560	7,277
8,091	4,667	498,400	7,332
9,084	4,592	501,840	7,157
9,071	4,657	509,460	7,152
8,445	4,559	500,060	7,413
8,968	4,815	497,020	7,113
8,502	4,713	483,660	7,397
8,884	4,854	499,300	6,587
8,484	4,685	498,320	7,355
8,708	4,667	499,200	7,282
8,899	4,854	504,460	7,169
8,564	4,553	504,780	7,136
8,846	4,590	501,920	7,213
8,525	4,486	500,880	8,240
9,071	4,777	502,160	7,310
8,208	4,903	500,300	7,076
8,288	4,739	500,280	7,388
8,241	4,704	502,500	7,084
8,399	4,853	501,080	6,995
8,227	4,892	499,140	6,998
8,120	4,760	498,700	7,021
8,378	4,815	505,060	6,853
8,536	4,853	499,240	6,900
9,225	4,717	14,026,920	202,139

Received Office of Oil & Gas JAN 08 2016

Amount of nitrogen/other	_
<u> </u>	_
	_
	_
	_
	_
	_
	_
	_
	_
	_
	_
	_
	_
	_
	_
	_
	_
	_
	_
	-
	_
	-
	_
	-
	_
	_
	_
	_
	_

Received
Office of Oil & Gas
JAN 08 2016

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	8/30/2015
Job End Date:	9/18/2015
State:	West Virginia
County:	Ohio
API Number:	47-069-00185-00-00
Operator Name:	Southwestern Energy
Well Name and Number:	Alice Edge Ohi 206H
Longitude:	-80.56042700
Latitude:	40.09989400
Datum:	NAD27
Federal/Tribal Well:	NO
True Vertical Depth:	6,499
Total Base Water Volume (gal):	8,489,838
Total Base Non Water Volume:	0







Hydraulic Fracturing Fluid Composition:

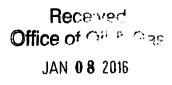
Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS#)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
THE RESERVE OF THE PARTY OF THE			pear on Material Safety Data She	ets (MSDS). Ingredie	nts shown below are	Non-MSDS.	THE PARK TO
oppant Transport	Schlumberger	Corrosion Inhibitor, Acid, Friction Reducer, Fluid Loss Additive Propping Agent					
			Water (Including Mix Water Supplied by Client)*	NA		83.36489	
			Quartz, Crystalline silica	14808-60-7	98.71267	16.42096	
			Hydrochloric acid	7647-01-0	1.28131	0.21315	
-	eceived		Ammonium sulfate	7783-20-2	0.27158	0.04518	
Masins	of Oil & Gas		Urea	57-13-6	0.04526	0.00753	
Unice			Methanol	67-56-1	0.00380	0.00063	
1/	AN 08 2016		Thiourea formaldehyde polymer	Proprietary	0.00190	0.00032	
1.			Aliphatic acids	Proprietary	0.00190	0.00032	
			Propargyl alcohol	107-19-7	0.00063	0.00011	
			Aliphatic alcohols, ethoxylated #2	Proprietary	0.00063	0.00011	
			Olefin Hydrocarbon	Proprietary	0.00032	0.00005	
			Hexadec-1-ene	629-73-2	0.00032	0.00005	
			Formaldehyde	50-00-0	0.00001		

- * Total Water Volume sources may include fresh water, produced water, and/or recycled water
 ** Information is based on the maximum potential for concentration and thus the total may be over 100%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.
Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

JAN 08 2016

r		<u> </u>	1 - 2		···
WELL NAME	STAGE NUM	Perf Date	 		# SHOTS PER STG
ALICE EDGE OHI 206	1	8/30/2015	14,182	14,377	
ALICE EDGE OHI 206	2	8/31/2015	13,925	14,123	42
ALICE EDGE OHI 206	3	9/1/2015	13,671	13,863	42
ALICE EDGE OHI 206	4	9/2/2015	13,412	13,606	
ALICE EDGE OHI 206	5	9/3/2015	13,155	13,350	42
ALICE EDGE OHI 206	6	9/3/2015	12,901	13,091	42
ALICE EDGE OHI 206	7	9/4/2015	12,642	12,836	42
ALICE EDGE OHI 206	8	9/5/2015	12,385	12,579	42
ALICE EDGE OHI 206	9	9/5/2015	12,128	12,327	42
ALICE EDGE OHI 206	10	9/9/2015	11,871	12,066	42
ALICE EDGE OHI 206	11	9/10/2015	11,617	11,809	42
ALICE EDGE OHI 206	12	9/10/2015	11,358	11,552	42
ALICE EDGE OHI 206	13	9/11/2015	11,101	11,293	42
ALICE EDGE OHI 206	14	9/11/2015	10,844	11,039	42
ALICE EDGE OHI 206	15	9/12/2015	10,587	10,782	42
ALICE EDGE OHI 206	16	9/12/2015	10,330	10,525	42
ALICE EDGE OHI 206	17	9/13/2015	10,074	10,268	42
ALICE EDGE OHI 206	18	9/13/2015	9,817	10,011	42
ALICE EDGE OHI 206	19	9/14/2015	9,560	9,755	42
ALICE EDGE OHI 206	20	9/14/2015	9,303	9,498	42
ALICE EDGE OHI 206	21	9/15/2015	9,047	9,241	42
ALICE EDGE OHI 206	22	9/15/2015	8,790	8,984	42
ALICE EDGE OHI 206	23	9/16/2015	8,533	8,728	42
ALICE EDGE OHI 206	24	9/16/2015	8,276	8,471	42
ALICE EDGE OHI 206	25	9/17/2015	8,019	8,214	42
ALICE EDGE OHI 206	26	9/18/2015	7,763	7,955	42
ALICE EDGE OHI 206	27	9/18/2015	7,507	7,700	42
ALICE EDGE OHI 206	28	9/18/2015	7,251	7,444	42



Well Name: ALICE EDGE OHI 206H

	TOP DEPTH,	BOTTOM DEPTH,	TOP DEPTH, MD	BOTTOM DEPTH,	
LITHOLOGY/FORMATION	TVD (FT)	TVD (FT)	(FT)	MD (FT)	QUANTITY AND TYPE OF FLUID
Base of Fresh Water	N.A.	400.00	N.A.	400.00	
Top of Salt Water	737.00	N.A.	737.00	N.A.	
Pittsburgh Coal	588.99	594.99	589.00	595.00	
Big Injun (ss)	1825.84	2281.90	1835.00	2295.00	
Berea (siltstone)	2281.90	5798.68	2295.00	5853.91	
Rhinestreet (shale)	5798.68	6053.01	5853.91	6187.87	
Cashaqua (shale)	6053.01	6127.59	6187.87	6344.76	
Middlesex (shale)	6127.59	6204.85	6344.76	6543.42	
Burket (shale)	6204.85	6225.49	6543.42	6591.83	
Tully (ls)	6225.49	6262.15	6591.83	6679.99	
Mahantango (shale)	6262.15	6396.54	6679.99	7161.58	
Marcellus (shale)	6396.54	N.A.	7161.58	N.A.	

