APPENDIX E WELL DEVELOPMENT LOGS



Location:	East Aurora	a, New York	Well No.: MV	V-1	en var en	Date: /8 Ap	111 2016	Contract No.: W912		Page 1 of 1
Equipment:	Whale	Pump					Personnel:	Janosy (TIZE)); Kevin Busch (Nothn	agle)
							Date and Time	Pump Dropped:		
		19.7' TO 17#24 5 46' TOC	C		949		4.18.2	2016 0957		
Total Well D	Depth:	17 ft 24 5	Screen Interv	al:	7-17 ft /4	4	WELL CONDI	TION	Pump Type:	
Static Wate	r Level: 💪	46' TOC 1	Depth to Prod	duct: 1/	A		Good		Purge Start Time: 69	50 HRS
a			:0							201211
Water Colu	mn:	i	Product Laye	er: N/A			Fair 🗸		i i i i i i i i i i i i i i i i i i i	005 HRS
Well Casing	g Diameter:	2-Inch							Pump Rate:	mL/min
	rge Sampling		_ow Flow Me	thod 🔲	3		Poor		Total volume Purged:	🔗 Gal.
Criteria use	d to stop pu	rging / develop	ment: Dry V	Vell			Parameter Stal	bilization	min. 3 well Jolun	res + clarity
Time	Water	Volume	Temp.	PH	ORP	Conductivit	ty Turbidity	Dissolved Oxygen	Comments	
	Depth	Recovered	(°C)	(units)	(mV)	(mS/cm)	(NTU)	(mg/L)	¥	
	(ft btoc)	(gal)	+/- 10%	+/- 0.2	+/- 10	+/- 10%	+/- 10%	+/- 10%	Depth that tubing placed down we	II:
			A	5					PID=0.0 ppM	
			i.						11'	
	140									
28	2	B								
	2	1								,
		ı								
										,
									Sample Collected:	HRS



Location:	East Aurora	a, New York	Well No.: MV	V-2		Date: /8 A		Contract No.: W912		Page 1 of 1		
Equipment:	Who	le Pump				1	Personnel: 8	Largy (TIZI	E); Kevin Busch (Noth	nagle)		
							Date and Time	Pump Dropped:	,,	0 /		
		19.7 TOC					4/18/2016 @ 1321					
Total Well [18 ft 744 S	Screen Interv	al:	8-18 ft		WELL CONDI	TION	Pump Type:			
Static Wate	er Level: 3,	76 TOC 1	Depth to Prod	duct: N/	4		Good		Purge Start Time:	32/ HRS		
		t	0									
Water Colu	ımn:	ŗ	Product Laye	er: N/A	}		Fair		Purge Stop Time: //	337HRS		
Well Casing	g Diameter:	2-inch				-			Pump Rate:	mL/min		
Minimal Pu	rge Samplin	g 🔲 l	_ow Flow Me	thod 🔲			Poor		Total volume Purged:			
Criteria use	ed to stop pu	rging / develop	ment: Dry V	Vell [Parameter Sta	bilization	3 well volumes + pcl	arity of		
Time	Water	Volume	Temp.	PH	ORP	Conductivi	ty Turbidity	Dissolved Oxygen	Comments /	/		
	Depth	Recovered	(°C)	(units)	(mV)	(mS/cm)	(NTU)	(mg/L)				
	(ft btoc)	(gal)	+/- 10%	+/- 0.2	+/- 10	+/- 10%	+/- 10%	+/- 10%	Depth that tubing placed down well:			
	a la Recognicación distracción indication			<u> </u>	. "				0.0 ps/			
						4,			PID = 2.6 PDM			
									77	3		
					120							
	1											
									Sample Collected:	HRS		



Location:	East Aurora	a, New York	Well No.: M\	N-3		Date: /g A	pril 2016	Contract No.: W912	DR-13-D-00013	Page 1 of 1
Equipment:	Wha	le Pump					Personnel: 8	JONOSY (TIZE); KEUIN BUSCH (NOTH)	VAGLE)
		,					Date and Time	Pump Dropped:	/	
ŕ		19.8 TO	DC .					4.18.2016 (0 (039	
Total Well [Depth:	18 ft /24	Screen Inter	/al:	8-18 ft		WELL CONDI	Pump Type:		
Static Wate	er Level:	9.65 TOC	Depth to Pro	duct: N/	A		Good		Purge Start Time: 1039	HRS
Water Colu	mn:		Product Laye	er:	A) V	Fair		Purge Stop Time: //0	HRS
Well Casing	g Diameter:	2-inch							Pump Rate:	mL/min
Minimal Pu	rge Samplin		Low Flow Me	thod 🔲			Poor		Total volume Purged:	Gal.
Criteria use	ed to stop pu	rging / develop	ment: Dry V	Vell [Parameter Stat	bilization	3 well volumes + clas	ity of
Time	Water	Volume	Temp.	PH	ORP	Conductivi	ty Turbidity	Dissolved Oxygen	Comments	
	Depth	Recovered	(°C)	(units)	(mV)	(mS/cm)	(NTU)	(mg/L)		
	(ft btoc)	(gal)	+/- 10%	+/- 0.2	+/- 10	+/- 10%	+/- 10%	+/- 10%	Depth that tubing placed down well:	
			and the second s	ing and a colored Television in a colored was a color	eka indoné bina nitera di di padah indoh kepada pendapanan paka pendapan					
					Ē.				P10 = 0.0 PpM	
			8.0							
				8 0						
9										
92										
	5									
~										
			1.1						Sample Collected:	HRS



Location:	East Aurora	a, New York V	Vell No.: MV	<i>I</i> -4		Date: 18	MP/11 2006	Contract No.: W912		Page 1 of 1
Equipment:	Wha	le himp	-09				Personnel: Bob	Janosy (TIZE)	· Kevin Busch (Noth nag	e Drilling
							Date and Time	Pump Dropped:	J	0
		22.7 1 TO					4/18/2	016 @ 0915		
Total Well D	Depth: MA	4 21 ft S	Screen Interv	al:	11-21 ft		WELL CONDI	Pump Type:		
Static Wate	r Level: [0.	07 TOC 1	Depth to Proc	luct: NA			Good	111	Purge Start Time: 091	5 HRS
		t	0				Įť.	799	0000	_
Water Colu	mn:	F	Product Laye	•			Fair - 2 CH	ALL SCH. 80		HRS
Well Casing	g Diameter:	2-1nch	SCH 8)					Pump Rate:	mL/min
Minimal Pur	rge Sampling	g 🔲 L	ow Flow Me	thod 🔲			Poor		Total volume Purged:	Gal.
Criteria use	d to stop pu	rging / develop	ment: Dry V	/ell []		Parameter Stal	bilization	3 well volumes	U
Time	Water	Volume	Temp.	PH	ORP	Conductivi	ity Turbidity	Dissolved Oxygen	Comments	
	Depth	Recovered	(°C)	(units)	(mV)	(mS/cm)	(NTU)	(mg/L)		
	(ft btoc)	(gal)	+/- 10%	+/- 0.2	+/- 10	+/- 10%	+/- 10%	+/- 10%	Depth that tubing placed down well:	
	en en sentit til skipe i Se sa bette en så en sette skip	State of the State								
	,								PID = 0.0 ppm	
	3								- [/	
2	v.						¥			
							ŧ			
	-									
1	NÃ.									
	74						. *			
				120					·	
	8.3									
1			/ ///					-	Sample Collected:	HRS



Location:	East Aurora	a, New York	Vell No.: ₩	V-3- /// L	N-5	Date: 18 /	April 2016 Contract No.: W912DR-13-D-00013 Page 1 of 1						
Equipment:	1.11 10	Dunp					Personnel: β .	Janosy (T12	E); KEVIN BUSCH (NOTH)	NAGLE)			
	Whate	pump	00		. 1		Date and Time I						
		17.327		1	8-18# 4-	1	4. 18. 2016 (2) 1227 WELL CONDITION, Pump Type:						
Total Well [Depth:	18 ft S			8-18 ft 4-	-14	WELL CONDIT	TION					
Static Wate	er Level: 🛕	I JOC 1	Depth to Pro	duct: N/	A	1	Good - NE	:W	Purge Start Time: /22	7 HRS			
	·	t	0	16	٨								
Water Colu	mn:	F	Product Laye	er: N/	于		Fair			HRS			
Well Casing	g Diameter:	Z-Inch							Pump Rate:	mL/min			
Minimal Pu	rge Sampling	g 🔲 l	_ow Flow Me	thod 🔲			Poor		Total volume Purged: 8.5	Gal.			
Criteria use	ed to stop pu	rging / develop	ment: Dry V	Vell [Parameter Stat	oilization	3 well volumes + picla	nty M			
Time	Water	Volume	Temp.	PH	ORP	Conductivit	y Turbidity	Dissolved Oxygen	Comments /	l.			
	Depth	Recovered	(°C)	(units)	(mV)	(mS/cm)	(NTU)	(mg/L)					
	(ft btoc)	(gal)	+/- 10%	+/- 0.2	+/- 10	+/- 10%	+/- 10%	+/- 10%	Depth that tubing placed down well:				
									PID= 0.0 ppm				
									//				
						18							
		. 8					y	•	- ^				
			,										
				*									
						a a	8						
			. ,						Sample Collected:	HRS			



Location:	East Aurora	, New York	Well No.: M₩	V-4 Mu	1-6	Page Contract No.: W912DR-13-D-00013 Page							
Equipment:					,		Personnel:	B	Janosy (TIZE): KEVIN BLESCH (NOTHNAGLE)			
							Date and T	ime F	Pump Dropped:	0 62			
	1	7.17 TOC			4-14' 11-21 ft 12		4.18.2016 @ 1013						
Total Well D	epth:	21 # RA	Screen Interv	al:	11-21 ft /2	14	WELL CO	Pump Type:					
Static Wate	r Level: 7,	D'TOC	Depth to Prod	duct: NA		J 0	Good -	ME	≡ ₩	Purge Start Time: /0/3 HRS			
			to							1423			
Water Colu	mn:	~	Product Laye	r: N//			Fair			Purge Stop Time: 1033 HRS			
Well Casing	Diameter:	Z-inc	h							Pump Rate: mL/min			
Minimal Pu	Minimal Purge Sampling ☐ Low Flow Method ☐								-	Total volume Purged: 6 Gal.			
Criteria use	Criteria used to stop purging / development: Dry Well							r Stat	oilization	3 well volumes / clarity or			
Time	Water	Volume	Temp.	PH	ORP	Conductiv	ity Turbi	dity	Dissolved Oxygen	Comments			
	Depth Recovered (°C) (units) (mV) (mS/d) (NT	J)	(mg/L)				
	(ft btoc)	(gal)	+/- 10%	+/- 0.2	+/- 10	+/- 10%	+/- 10	0%	+/- 10%	Depth that tubing placed down well:			
		TOTAL VOLUME TO THE TOTAL AND A VICE		AND THE RESIDENCE OF THE PARTY	OLO.				*				
										PID= ON PPM			
	1									//			
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	1												
	1.												
				÷									
9		2					1						
	100									Sample Collected: HRS			



Location:	East Aurora	a, New York	Well No.: MV	N-27		Date: 18	1011206	2016 Contract No.: W912DR-13-D-00013				
Equipment		ile punf		-			Date and Time	Pump Dropped:	MARK (NOTH NAGLE);	B.JAN054 (TIZE)		
		70C 3 18 11 24 5 71 TOC		M	4 .	/	4.18-2016 @ 0845 WELL CONDITION Pump Type:					
Total Well	Depth: 🏳	3 18 ft 24 (Screen Interv	/al:	8-18 ft 4	[4						
Static Wate	er Level: 10	71 TOC 1	Depth to Pro	duct: NA	***		Good - No	EW	Purge Start Time:	0845 HRS		
		t	to				. ر					
Water Colu	ımn:	i	Product Laye	er: NA			Fair		Purge Stop Time:	09 <i>1</i> 5 HRS		
Well Casin	g Diameter:	2 inch							Pump Rate:	mL/min		
Minimal Purge Sampling ☐ Low Flow Method ☐							Poor		Total volume Purged:	15 Gal.		
Criteria use	ed to stop pur	rging / develop	ment: Dry V	Vell [Z 3 Vo	umes	Parameter Sta	bilization	Plus clarity	IZ		
Time	The second secon						ity Turbidity	Dissolved Oxygen	Comments			
	Depth Recovered (°C) (units) (mV)				(mS/cm)) (NTU)	(mg/L)					
	(ft btoc)	(gal)	+/- 10%	+/- 0.2	+/- 10	+/- 10%	+/- 10%	+/- 10%	Depth that tubing placed dow	n well:		
Section was recovered an interest first to we have												
									P10 = 4,2 ppm	*		
									17	·C		
:							·		j s			
					•	-						
:	×								7			
		. *										
						35.						
				×								
			2 13						Sample Collected:	HRS		



Location:	East /	Aurora	a, New York	Well No.: //	1W-8		Date: 18 A	April 2016 Contract No.: W912DR-13-D-00013 Page 1 of					
Equipment:			e pamp				/1	Personnel: B. Janosy (712E): KEVIN BUSCH (NOTHNAGLE) Date and Time Pump Dropped:					
		2									/		
		,7	2 TAC		. 1	. 1	-	4.18.2016 @ 1115 WELL CONDITION Pump Type:					
			.3 TOC :							Pump Type: Purge Start Time:	115 HRS		
Static Wate	r Leve	11	.62 TOC !	Depth to Pro	duct: N/A	P	[Good - NE	W	Purge Start Time.	/// IIKS		
Water Colu	mn.		ı I	.o Product Laye	- NIA	4		Fair		Purge Stop Time:	1205 HRS		
Well Casing		eter:				•	1.00			Pump Rate:	mL/min		
Minimal Pu			$\frac{2-1nd}{\Box}$	<u>∕1</u> Low Flow Me	thod 🖂			Poor		Total volume Purged:	<i>30</i> Gal.		
	-		rging / develop					Parameter Stat	oilization	min 3 well volume,			
Time	Wa	er	Volume	Temp.	PH	ORP	Conductivit	y Turbidity	Dissolved Oxygen				
	De		Recovered	(°C)	(units)	(mV)	(mS/cm)	(NTU)	(mg/L)				
	(ft b	oc)	(gal)	+/- 10%	+/- 0.2	+/- 10	+/- 10%	+/- 10%	+/- 10%	Depth that tubing placed down v	well:		
	CONTRACTOR OF THE PARTY OF												
										P10= 3.3 PPM			
										17			
9													
										7			
								,	-				
									4.	Sample Collected:	HRS		



TIDEWA	TERING			214			Well Devel	opm	enty Purge	Log		
Location:	East Aurora	a, New York	Well No.: MW	VI Mu	1-9	Date: A	18.16	Contract No.: W912		*	Page 1	of 1
Equipment:	whal	e Pump	in a				Personnel: K	EVIN BUSCH	; MA	ek; B.Janos	1 (TIZE)	
							Date and Time	Pump Dropped:		/	/	
		17.1 TOC			7-17 it 4	/	4.18.16 @ 0950 1400					
Total Well I	Depth:	17 ft 1244 :	Screen Interv	al:	7-17 ft 4	14'	WELL CONDI	TION		Pump Type:		
Static Wate	er Level: 4,	81 TOC 1	Depth to Prod	duct: 📈/	4		Good			Purge Start Time:	1400 HRS	
		1	to				surta	ce stickup +	. 1			
Water Colu	ımn:		Product Laye	er: N/A	}		Fair - 60(1011	ce stickup + ds nsty; well e pad o.K.	()	Purge Stop Time:	/455 HRS	
Well Casing	g Diameter:	Z-Inch					concrete	e paid 10.Fi		Pump Rate:	mL/n	min
	rge Samplin		Low Flow Me	thod 🔲			Poor			Total volume Purged:	/9 Gal.	/
Criteria use	ed to stop pu	rging / develop	ment: Dry V	Vell	Ž.		Parameter Sta	bilization	3-1	vell volumes	+charity	9
Time	Water	Volume	Temp.	PH	ORP	Conductiv	rity Turbidity	Dissolved Oxygen	Comm	ents	1	
	Depth	Recovered	(°C)	(units)	(mV)	(mS/cm) (NTU)	(mg/L)				
CHARLES OF THE PARTY OF THE PAR	(ft btoc)	(gal)	+/- 10%	+/- 0.2	+/- 10	+/- 10%	+/- 10%	+/- 10%	Depth	that tubing placed dow	n well:	
											* .	
					250				PIO	= 0.0 pp/		
							Ta .			/ /		
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44												
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			199									
de la constante de la constant								,				
									Comm	la Callactad:	L	HRS
			//			4			Samp	le Collected:		1110