lak			FORM U-1A	MANUFACTU	RER'S DATA R	REPORT FOR	R PRESSU	RE VESSELS				
Job		Λο De	,	•	amber, Completely			• ,	A			
1 Manufactured	•		•		SME Boiler and Pres							
Manufactured					(Na	ce Drive, Be lame and addre			13			
2. Manufactured	for Po	rous Media, 4	301 W Davi	s, Conroe, Te		and address o	of nurchaser)					
3. Location of Ins	stallation	Wattenburg	UltiSeps, 6	335 N 7th Ave	,	olorado, 806	601					
						(Name and a	address)			100		2040
(Horizontal	ertical For vertical, t	tank) (Manufac	3232-S1-1 acturer's serial num		N/A (CRN)	1)	13232 V-10 (Drawing numbe	er)		455 lal Board number		(Year built)
5. The chemica CODE. The					rements of mate ASME Rules, S				to	2011a	a	-
	(000	N/A			N/A			(year)	[Add	denda, if applical	ble (Date)]	_
6. Shell:	•	de Case numbers)	.5	375 in	(Special Service pe .063 i	. ,,	1' 7.	.25" (ID)		14'	2.75"	
(1)	Material spe	ec. number, grade)	(Nomin	nal thickness)	(Corr. allo	ow.)	(Inner	r diameter)		[Length	n (overall)]	
7. Seams: N/ [Long.	A Seam (welded, d	nless Pipe bl., sngl., lap, butt)]	N/A R.T.(Spot or Fu	Full) N/A Eff.(%)	N/A (H.T. temp)	N/A Time (hr)		ed, dbl., sngl., lap,		oot or full)]	100 Eff(%)	No. of Courses
	laterial		SA-3	350 LF2		(b) Materi	-		SA-2	234		
Leasting /Top	T. Henn	8.81 - 1		. no., grade)	Tree - 1-1- Dading	Temperal Datio	Ta Heal App		(Spec. no			
Location (Top, Ends)		Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Ape Angle	Hemispherical Radius	Al Flat Side to Diameter		ressure (Co Concave)	onvex or
(a) Top		.291	.125	N/A	N/A	2:1	N/A	N/A	N/A		Concave	
(b) bottom		.375	.063	N/A	N/A	2:1	N/A	N/A	N/A		Concave	
If removable, bolt	3 USeu (describe outer i	astenings)					N/A per, grade, size, numb	ber)			
9. MAWP		0 psi ternal)		0 psi (External)	at n	max. temp.		400 °F (Internal)		0 °F (External)		
Min. design me		_	at	300 psi		⊔vdro pn∈		b. test pressure		HYDRO a	at 200 ps	o i
Proof test			_ "		·	N/A	u., or oo	7. 1631 proces. 2	·	ПППСС	11 000 pc	<u>) </u>
10. Nozzles, inspe		d safety valve o	openings:									
Purpose (Inlet, Outle Drain, etc.)	et, No.	Diameter or Size	Туре	Mat Nozzle	terial Flange	Nozzle Thick		einforcement Material	Attachme Nozzle	ent Details Flange		on (Insp. pen.)
Inlet/Outlet	2	8"300#	RFWN	SA-106B	SA-105	.322	0		Welded	Welded	<u> </u>	Shell
MISC	8	2"300#	RFWN	SA-106B	SA-105	.218	0		Welded	Welded	1	Shell
Inspection Additional Nozzles -	- See Atta	6"300# ached U-4	RFWN	SA-106B	SA-105	.28	0		Welded	Welded	51	Shell
11. Supports: Ski		Yes Lugs		_egs0	Other		N/A	Atta	iched		ded to Shell	
12. Remarks: Manufac	,	,	(Number) properly identific	(Number) ied and signed by (Commissioned Inst	,	Describe) Deen furnished	for the following i	items of the		ere and how)	
		gy Services LI		erial # VG325.	m number, Manufactur	'		· ·				
				perature fr	om Fig UCS-	-66 Curve	B=-20 F	F Fug UCS-6				
reduction:	=35.2	F. Code bou	und ends a	at the firs	st threaded assemblies	joint fi	rst seal	ling surfac	ce and :	face of	-	
this vesse	el are		ry compone		are designed							
Additional North	3ľKS - 000	→ Attacrieu o		TOATE OF SL	יסטיבובו ח ככ							
We certify that the	stateme	nts made in this re	eport are correc	ect and that all deta	HOP/FIELD CO tails of design, mat	terial, construc	ction, and wor				ASME BOI	ILER
		_	/III, Division 1.		Authorization No.		expires		pril 4, 20	14 1.D 1	ń //.	
Date 09/12/20	12	Co. name		Blackea (Manufa	agle Energy Servi acturer)	ices		Signed _	ROY	Represent	bwlum ative) _	*
				`	TE OF SHOP/F	TELD INSP	ECTION				,	<u></u>
Vessel constructe			Blackeagle Er	nergy Services		_at _230 Com	nmerce Drive	e, Berthoud, Color	rado, 8051	3		I, the
undersigned, hold and employed by		, of Hartford, CT	•		oiler and Pressure	have inspec	ected the com	ponent described	d in this Ma	anufacturer's	Data Repo	ort on
September 12 PRESSURE VES	2, 2012	and state that, to			I belief, the Manufa cate neither the Ins	facturer has co	onstructed this	s pressure vessel	el in accorda	ance with AS	SME BOILE	ER AND
the pressure vess	sel describ	oed in this Manufa	acturer's Data R		ore, neither the Ins							
		-	Λ	CTECI WILLI UIIS IIIO	1.1	2incione			10744AD	22055		
Date 09	9/12/201	12 Signe	'a 	Mathorized Inspe	ector)	Commissions _	(Na	ational Board (incl. er	10741AB, (endorsements)		ce and numb	er)

1576610 exe: v6.3.14 *Form and version: U1A-17*

FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET

As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

1. Manufactured an	d certifi	ed by Black	eagle Ener	gy Services, 2	230 Commerc	e Drive,	Berthou	d, Colorado, 80 anufacturer)	0513					
0.14	Dava					(Name and a	address of ivi	anulacturer)						
2. Manufactured for	<u> P010</u>	us Media, 43	ou w Davi	s, comoe, re.		and address	of Purchase	er)						
3. Location of instal	lation	Wattenburg	ultiSeps,	635 N 7th Ave	e, Brighton, Co									
						(Name a	and address)							
4. Type	Ver	tical tical, or sphere)	<u> </u>	(Tank, sepa	N/A rator, heat exch., etc	.) (Manufacturer's serial number)								
		, , , , , ,				,		455	,	,	0040			
(0	N/A CRN)			13232 V-10 (Drawing numb	er)			2012 (Year built)						
Data Report Item Number			Ren	narks										
			Tton	namo										
dditional Remarks:														
these internal	compo	onents are	deemed	"Non-Code".										
dditional nozzles, in	spectio	n and safety v	alve openin	gs:							_			
Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Туре	Mat			hickness	Reinforcement Material		ent Details	Location (Insp.			
Drain, etc.)	2	11/2"300#	RFLWN	Nozzle SA-105	Flange SA-105	.500	Corr.	Ivialeriai	Nozzle Welded	Flange Welded	Open.) Shell			
Closure	1	20"300#	YALE	SA-350LF2		.375	.125		Welded		Shell			
Drain	1	2"300#	RFWN	SA-106B	SA-105	.218w	0		Welded	Welded	Bottom Head			
Certificate of Auth	orizatio	n: Tvpe "II	1		No. 37442	,		Expires	April 4, 201	4				
						<u> </u>			1	P. Dow	Oina			
Date 09/12/2012	Date 09/12/2012 Name Blackeagle Energy Services									1. Now	7			

Commissions

Name

Date 09/12/2012

(Representative)

10741AB, CO055 (National Board Authorized Inspector Commission number) SO No 1382041-2 PO No 3991

FORM U-2A MANUFACTURER'S PARTIAL DATA REPORT (ALTERNATE FORM)

A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

			_=			1011			-0 73	AIE COL	JE IVA	00,	30000	11 V 1111,	DIVISIO	711 1	1,0			
1. Ma	nufactured	and cer	tified by	У	R&M	ENER	GY SYS	TEMS	10906	FM 292	O TOM	BALI	L, TEX	AS 773	375					
2.Manufactured for BLACKEAGL					LE ENI	ERGY S	ERVIC	es LL(230	COMM	ERCE	DR	BERT	HOUD	, CO 80	513				
3. Lo	cation of In	stallation	1		UNK	NOWN		nd address		er)										
4. Тур	oe:	(1) 20"	CLOS	URE		,	(Name an	nd address)	VG3	25			N/A							
	[Description of	vessel part(s	hell, two-pie					_	(Mfg.'s	Serial No.)		-	1477	(CRN)				_		
	N/A (Nat'l Bd. No.)		13820 (Drawing !	41-2R	1				STEMS		_	2012								
5. AS	ME Code,				ADDE		prepared by		A			N/A	(Year Bu	ilt)						
Ī														N/A Special service per UG-120(d)						
6. She	ell (a) No. o	of course	(s)	1				(b) O	erall le	ength (ft.	and in	.):	0-11.0							
Course(s) Material Thickness, in. Long Joint (Cat									Δ)		;	Circum	Inint (Co	1 A B 8 C		1				
No.	Diameter, in	Length,ft+in	Spec./Gr	ade or Type	Nom.	Corr.	Long Joint (Cat. A) Type Full, Spot, None				Eff.	Туре	Circum. Joint (Cat. A, B, & C) Full, Spot, None				_	reatment		
_1	19.250	0-11.0	SA 35	0 LF2		0.125					 	S	-	NONE		Eff.	Temp., F	Time N/A		
	<u> </u>	i d	CLA	ASS 1																
7. Heads: (a) SA 516-70 N (b) N/A																				
(Mat'l Spec. no., Grade or Type)(H.T Time and Temp.) (Mat'l Spec. no., Grade or Type)(H.T Time and Temp.)																				
	Location (Top, I	Bottom	1			us, in.	Elliptical	Conical	Hemi	Flat		Side to Pressure			Category					
(a)	TOP		Min. 0.291	0.125	Crown	Knuckle	Ratio 2:1	Apex Angle		Radius	Diame	er	Convex Concave Type		Full, Spo		Effc.			
(b)	ĺ					-	2,1							_ X	<u> S</u>	NON	NE	1		
it remo	vable, bolts	used (de	escribe	other fast SEE REMA					Material	S S										
8. MAV	VP	300		PSI @		mp.=	400		°F.	Spec., Grade Min De		-	emn	-20	°F at	300		PSI		
0 1		internal	external				internal	external	1				•		. <i>i</i> at			F 31		
9. Impa	act test	Indicate yes		CAP & H		tosted						At a t	est ten	np of	-50 & -5	0		°F		
10. Hyd	dro., pneu.,						EMARK	S	Proof	Test:	N/A									
11. Noz	zzles, inspe	ection, ar	nd safe	ty valve o	penin	gs:	UG-125	i(a)				At		PSIG						
	Purpose			Dia. o	r	Flange		Material	-	Nozzie T	hickness,	in	Reinforc		How Attac	ched	Locati	on !		
	outlet, Drain, e	tc.)	No.	Size, ir	n.	Туре	Nozz	le	Flange	Nom.	Corr.		Mater	ial	Nozzle	Flange	(Insp. O	1		
OLL NE	MARKS			<u> </u> 	-															
PAV			1	1/2" NF	PT	TH'D	SA 350	LE2 CI	1	N/A	N/A	-	INHER	ENT	INT TUD					
12. ider	ntification o	f part(s)			- 1		ON 000	<u> </u>	-!	IVIA	NIA		MUEK	ENI	INT THD		SHEL	-L		
N	ame of Par	t	Qty.	Line N	lo.	Mfg	s. Identi	fication	No.	Mfg's.	Dwg N	o.	CRN	1	Nationa	al Board	No.	Year		
	N/A																			
13. Sup	ports: Skir	<u>_</u>		Lugs		Legs		Others						A44 1-						
		Č	res or No)	(1)	lumber)	- (Number)	7	(Describe)					Attache		d How)				
14. Rem		THIS TEN	ATURE	IS DETE	PLICA	BLE TO	CLOSU	JRE ME	TAL C	OMPON	ENTS	ONLY	. ACT	JAL SE	RVICE					
		JG-120,C	,2 DESI	GN & CA	LCUL	ATION E	BY R&M	ENER	GY SY	STEMS.	CLOSI	JRF A	SSEM	BLY						
		S NOT H	TUKUS	TATICAL	LLY IE	STED, I	RESSU	JRE AL	ERT V	ALVE FL	JRNISH	IED.								
				C	ERTIF	ICATE	OF SHO	OP/FIE	LD CC	MPLIA	NCE							,		
Ne certi	fy that the	stateme	nts mad	de in this	report	are cor	rect and	that a	ll detai	ls of ma	terial, d	constr	uction,	and w	orkmans	hip of t	his	- 1		
ressure	e vessel pa	rt confor	m to the	e ASME	Code f	or Pres	sure Ve	ssels,	Section	ı VIII, Di	ivision	1.								
	cate of Aut	horizatio	n No. <u>1(</u>	0 052 Ex	pires: _	July	16, 2014	<u>4</u>					_					- 1		
Date: 🔇	20/06	112	Name	R&M E			TEMS	Signe	ed : _		Jam	un	R.	Oue	~					
			-		lanufactu EDTIE		OE SUC	D/EIE	D INC	PECTIO	<u> </u>	Regres	entative)					_		
the und	dersigned,	holdina a	a valid o									001150	. \/							
rovince	of T	EXAS a	ind emi	ploved by	/ HS	B CT	of C	ONNE	CTICI	DONE! a	ina Fre	Ssure	vesse	ei inspe	ectors an	d/or the	State of	or		
	pected the	pressure	vesse	part des	scribed	in this	- ≃ Manufa	cturer's	Data	Renort o	n 7	1/2	20	/1 an	d state th	nat ta #	no h			
f my kn	owledge ar	nd belief,	the Ma	nufactur	er has	constru	cted thi	s press	sure ve	ssel par	t in acc	corda	, ZU_ nce wit	h ASM	u state tr F Code	Section	ne best			
ivision	 By signi 	ing this c	ertificat	te neithe	r the In	spector	nor his	emplo	ver ma	kes anv	warrai	ntv. e	ynress	ed or in	nnlied o	onooroi	na tha			
essure	vessei pai	t describ	ea in tr	iis ivianu	racture	rs Data	i Report	. Furth	nermor	e, neithe	er the la	nsped	tor nor	his em	nlover s	hall ha	liable in			
ny man	ner for any	persona	l injury	or prope	rty dan	nage or	a loss o	of any k	kind ari	sing from	m or co	nnec	ted wit	h this ir	rspection	1.				
ate:	71.1		011		11										^					
ate:	+/6/	2	Sigi	ned:	P		hada				Com		•	_	2906A					
						(AU	horized In	spector)			(Na	ional E	soard Incl	. Endorse	ement, State	e, Provinc	e and No.)		