-	Job#		F			RER'S DATA RI							
······································	Descriptio	1	As Red			amber, Completely ME Boiler and Pres				n 1			
1. Manu	ufactured and	l certifie	d by Black	eagle Ener	gy Services,	230 Commerce		rthoud, Col		13			
2. Manu	ufactured for	Poro	us Media, 4	301 W. Dav	is, Conroe, Te	exas, 77304	and address o						
3. Loca	tion of Install	ation _	Wattenberg/	Brighton G	athering, 635	N 7th Ave, Br	ighton, Co	lorado, 806	01				
		_		232-\$2-1		N/A	(Name and a	3232 V-102			456	201	2
i. Type 5 The	(Horizontal or v	ertical, tan Id physi	(Manufac	turer's serial num s of all parts	meet the requir	(CRN) ements of mate	rial specifica	Drawing number) ations of the A	SME BOILE	(Nationa R AND P	I Board number) RESSURE \	(Year bi	ailt)
CO	DE. The des	ign, co	struction, an	d workmans	hip conform to	ASME Rules, So	ection VIII, D	Division 1	2010 (year)	10	2011a enda, if applicab		
			N/A ase numbers)			N/A (Special Service per	r UG-120(d))						
6. Shell	i: (Mate	SA-51	6-70 number, grade)		375 in lal thickness)	.063 ii (Corr. alko		2' 5.2! (Inner d	5" (ID) ameter)		16' 2. [Length (
7. Sear	ns:	Welde	ed	Full	100	N/A	N/A	Wel	ded dbl., sngl., lap,	Ft [R.T. (sp		100 2 Eff(%) No. of (2 Courses
8. Head			sngl., lap, butt)]	R.T.(Spot or F	메) Eff.(%) 350 LF2	(H.T. temp)	Time (hr) (b) Materi	• •	dui., siigii, iap,	SA-51		Lin(70)	500,000
					no., grade)					(Spec. no	., grade)		
Loc	ation (Top, Bot Ends)	tom,	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Radius	Flat Diameter		essure (Convex o Concave)	л
(a)	Тор		.375	.063	N/A	N/A N/A	2:1 2:1	N/A N/A	N/A N/A	N/A N/A		oncave oncave	\blacksquare
(b) If remov	Bottom rable, bolts u	sed (de	.375 scribe other	.063 fastenings)	N/A	I IN/A		J N/A		1 10/1		***************************************	
110,110	rubio, bolto d	004 (44				ot n	(Mate	rial spec. number	grade, size, num	ber)	0 °F		
9. MAV	VP	300 j			0 psi (External)		nax. temp.		00 °F ntemal)		(External)		
Min.	design metal	temp.	-20 °F	at	300 psi	•	Hydro, pne	eu., or comb.	test pressure	•	HYDRO a	t 390 psi	
Proof	f test						N/A						
		on and	safety valve	openings:	1		Nozzle Thic	oknosa D.	£	Attachm	ent Details	Location (Ins	
	(Inlet, Outlet, ain, etc.)	No.	Diameter or Size	Туре	Nozzle	terial Flange	1 1		forcement Naterial	Nozzie	Flange	Open.)	μ,
inle	et/Outlet	2	10"300#	RFWN	SA-106B	SA-105	.500	0		Welded Welded	Welded Welded	Shell Shell	{
	Misc pection	1	2"300# 6"300#	RFWN	SA-106B SA-106B	SA-105 SA-105	.218	0	-	Welded	Welded	Shell	
	al Nozzles - Se							*					
1. Sup	ports: Skirt	Ye		2 (Number)	_egs <u>O</u> (Number)	Other		N/A Describe)	Atta	ached		to the Shell re and how)	
2. Rema	ırks: Manufactu	Yes o' er's Parti	al Data Reports	properly identi	fied and signed by	Commissioned Ins			or the following	items of the	report:	·	
			y Systems,			m number, Manufactu					<u>-</u>		_
Ma	terial im	pact	test exem	ption tem	perature f	rom fig UCS	-66 Curve	B=-20F.	Code boun	d ends	at the		
2::	mat thron	404 4	oint sea	ling enrf	ace and fa	ce of first used within	flance.	Internal	pipe ris	er Metc	lea		
th	at are de	signe	d fabrica	ted and s	upplied by	porous med	ia. These	e interna	l compone	nts are	deemed	,	
Add	litional Remari	s - See	Attached U-4										
We ce	ertify that the s	atement	s made in this	report are com	ect and that all de	HOP/FIELD Co	aterial, constru	:E ection, and wor	kmanship of th	is vessel co	nform to the	ASME BOILER	
AND I	PRESSURE V	ESSEL (CODE, Section	VIII, Division 1	I. "U" Certificate o	f Authorization No	37442	expires	<i>P</i>	pril 4, 20)14 10 1	<u>1</u>	
Date	09/12/2012		Co. name _		Blacke	agle Energy Sen	vices		Signed	-Ab	(Represent	ative)	-
					,	TE OF SHOP/	FIELD INSF	PECTION					-
Vesse	el constructed	bv		Blackeagle B	Energy Services _		_at <u>230 Co</u>	mmerce Drive,	Berthoud, Col	orado, 805	13	···	I, th
	and the same of the art 1 is	የኮሮች .	SUSHAN CT			Boiler and Pressur	nave inst	eciea ine com	KRIEU DESCHO	ea ii niis iy	iailulaulului o	Data Report on	
		1049	and atota that	to the best of	my knowledge an	d belief, the Manu	facturer has o	constructed this	pressure vess	sel in accord	dance with AS	ME BOILER AN	۱D
the m	ressure vessel	describe	ed in this Manul	acturer's Data	Report, Furthern	icate neither the Ir nore, neither the Ir	nspector nor h	is/her employe	r shall be liable	e in any ma	nner for any p	personal injury of	ŗ
prope	erty damage or	a loss o	f any kind arisir	ng from or con	nected with this in	spection.							
ם	ate <u>09/</u>	12/201	2 Sign	ed	Aghorized inst	sector) V	Commissions	S(Na	tional Board (incl.	10741AB, endorsemen	ts), State, Provin	ce and number)	

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

(Participation and Series (Participation and Series) (Participation and Ser												
Contributed	. Manufactured and	l certifie	ed by Blacke	eagle Ener	gy Services, 2	30 Commerc	e Drive, (Name and a	Berthoud	i, Colorado, 80 nufacturer)	513		
Contributed	Manufactured for	Poro										
Type Vertical N/A 13232-S2-1 (Nemoration, vertical, or sphere) (Faint, separate), folial rest), call r	. Wattalactured for	1 0.0	<u></u>		,,	(Name	and address	of Purchase	7)			
Type	Location of install	ation	Wattenberg	/Brighton	Gathering, 635	5 N 7th Ave, I	Brighton,	Colorad	o <u>, 80601</u>			
Maintendent							(Ivaitie a	ilu addiess)		12222	C2 1	
tate Report Im Number Remarks Control Con	Type (Horizo	Ver	tical icat, or sphere)		(Tank, separ		ic.)					·
tate Report from Number Remarks Pose (Iniet, Outlet, No. Diameter or Type No. 37442 Certificate of Authorization: Type "U" No. 37442 Date 09/12/2012 Name Blacksagle Energy Services Date 09/12/2012 Name Blacksagle Energy Services Number Remarks Remarks Remarks Relationsment Attachment Details Location (Insert or Type No. 37442 Expires April 4, 2014 Expires April 4, 2014 Expires April 4, 2014 Expires April 4, 2014 Report Number Remarks: Overshous, inspection and safety valve openings: No. 37442 Expires April 4, 2014 Expires April 4,	N	1/A			12	456						
filonal Remarks: cnCode". ### Note: Type Material Noze Thickness Reinforcement Attachment Details Location (ins Drain, etc.)	, (C	RN)							(National Board nun	nber)		(Year built)
Certificate of Authorization: Type	em Number		<u> </u>	Ren	narks							
Certificate of Authorization: Type	itional Remarks:											
Date Op/12/2012 Name Blackeagle Energy Services Cormissions												
December No. Diameter of Size Type Material No. No. Diameter of Size Type No. No	on-code".											
December No. Diameter of Size Type Material No. No. Diameter of Size Type No. No												
Document No. Size Type No. No. Size Type No. N	ditional nozzles, in:	spectio	n and safety v	alve openin	gs:							
DP	rpose (Inlet, Outlet,	No.		Туре								Location (Insp.
Closure		1			NOZZIE				matorial		1 tange	
Certificate of Authorization: Type "U" No. 37442 Expires April 4, 2014 Date 09/12/2012 Name Blackeagle Energy Services (Manufacturer) Signed (Representative) Date 09/12/2012 Name Commissions 10741AB, C0055					SA-350LF2			.063		•	<u>.</u>	
Certificate of Authorization: Type "U" No. 37442 Expires April 4, 2014 Date 09/12/2012 Name Blackeagle Energy Services (Representative) Date 09/12/2012 Name Commissions 10741AB, C0055	Drain	1	2" 300#	RFWN	SA-106B	SA-105	.218w	0		Welded	Welded	Bottom Head
Date 09/12/2012 Name Blackeagle Energy Services Signed Commissions Signed (Representative) Date 09/12/2012 Name Commissions 10741AB, C0055											}	
	Date <u>09/12/201</u>	2	Name	<u>.</u>	Blackeagle Ens	ergy Services				Dovid	P. Now epresentative)	ling
(AUDOTZEG INSPECIOL) (National Dodg Audiotzeg (ISDECIOL Commission (Company))	Date 09/12/201	2	Name	<u> </u>	horized inspector)	<u> </u>	Commi	ssions	(National Boa			ssion number)

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

13232-S1-2

As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1 Manufactured and certified by R&M ENERGY SYSTEMS 10906 FM 2920 TOMBALL, TEXAS 77375 BLACKEAGLE ENERGY SERVICES LLC 230 COMMERCE DR BERTHOUD, CO 80513 2.Manufactured for (Name and address of Purchaser) UNKNOWN 3. Location of Installation (Name and address) N/A VG324 4. Type: (1) 30" CLOSURE (Mfg.'s Serial No.) -piece head, tube bundle)] N/A 1382041-1R1 **R&M ENERGY SYSTEMS** 2012 (Year Built) (Nat'l Bd. No. 5. ASME Code, Section VIII, Div. 1 2010, ADDENDA 2011 2714 N/A Code Case No ial service per UG-120(d) (b) Overall length (ft. and in.): 1-0 6. Shell (a) No. of course(s) Heat Treatment Material Thickness, in Long Joint (Cat. A) Circum. Joint (Cat. A, B, & C) Course(s) Temp., F Eff Тур Full, Spot, None Time Туре Full, Spot, Nor 29.250 SA 350 LF2 0.375 0.063 NONE NONE N/A N/A 1-0 CLASS 1 SA 516-70 N (b) N/A 7. Heads: (a) (Mat'l Spec. no., Grade or Type(H.T. - Time and Temp.) (Mat'l Spec. no., Grade or TypeXH.T. - Time and Temp.) Fia Side to Pressure Location (Top. Bo Full Snot No FH NONE TOP 0.307 | 0.063 2:1 (a) (b) If removable, bolts used (describe other fastening) SEE REMARKS (Material Spec. Grade, Size, No.) PSI 8. MAWP 300 PSI @ max temp.= 400 Min Design Metal Temp -20 °F at 300 At a test temp of -50 & -51 Yes - CAP & HUB Impact test or no and the component(s) SEE REMARKS Proof Test: N/A 10. Hydro., pneu., or comb. Test pressure PSIG 11. Nozzles, inspection, and safety valve openings: UG-125(a) At Material Nozzle Thickness in Reinforcement How Attached Purpose Dia. or Nom. Con Nozzie | Flange (Insp. Open.) Size, in Type Nozzle Flange (Inlet. Outlet. Drain, etc.) SEE REMARKS 1/2" NPT TH'D SA 350 LF2 CL1 N/A N/A INHERENT INT THD SHELL PAV 12. Identification of part(s) Mfg's. Identification No. Mfg's. Dwg No. CRN National Board No. Year Name of Part Qty. Line No N/A Attached Others 13. Supports: Skirt Legs THIS TEMPERATURE APPLICABLE TO CLOSURE METAL COMPONENTS ONLY. ACTUAL SERVICE 14. Remarks: TEMPERATURE IS DETERMINED BY TEMPERATURE LIMITATIONS OF O-RING MATERIAL UG-120,c,2 DESIGN & CALCULATION BY R&M ENERGY SYSTEMS. CLOSURE ASSEMBLY IS NOT HYDROSTATICALLY TESTED, PRESSURE ALERT VALVE FURNISHED. CERTIFICATE OF SHOP/FIELD COMPLIANCE We certify that the statements made in this report are correct and that all details of material, construction, and workmanship of this pressure vessel part conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. U Certificate of Authorization No. 10052 Expires: July 16, 2014 Name: R&M ENERGY SYSTEMS Signed: Date: 07/06/12 (Manufacturer CERTIFICATE OF SHOP/FIELD INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or TEXAS and employed by HSB CT of CONNECTICUT

any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

7/4/12

Signed:

(Authorized Inspector) (National Board Incl. Endorsement, State, Province and No.)

Commissions:

NBIDGOLA