## STATE OF COL

DIVISION OF RECLAMATION, MINING AND SAFETY # Departme

1313 Sher Denver, C Phone: (30 FAX: (303

tment of Natural Resources			
Sherman St., Room 215 er, Colorado 80203 e: (303) 866-3567 (303) 832-8106	NON CONFID		COLORADO DIVISION OF RECLAMATION MINING —&—
	hcg-		SAFÊTY
	ACS/ MD-0	3/	Bill Ritter, Jr. Governor
			Harris D. Sherman Executive Director
	MEM	OTO FILE	Ronald W. Cattany Division Director Natural Resource Trustee
Date: <u>November 3</u>		Mmal	1
Specialist: <u>Allen So</u>	renson Signed:		
Subject/Operator/Ope	eration/File No. Previou	sly Confidential Documents Project, File No. P-2008-043	Transferred to Public File,
Type of Interaction:	Meeting Phone	Other	

Person(s) contacted and affiliation: Richard Blubaugh and Michael Beshore, Powertech (USA) Inc.

## **Summary and Resolution of Interaction:**

Response item no. 8 in Powertech's submittal dated October 28, 2009 refers to certain documents contained in confidential Notice of Intent to Conduct Prospecting P-2007-015. Since reference to these documents under the non-confidential process for Notice of Intent to Conduct Prospecting P-2008-043, modification MD-03, makes these documents non-confidential, the DRMS contacted Powertech to verify exactly which documents are to be made public. Powertech personnel verified that Colorado State Engineer Well Construction and Test Reports for those wells in section 33 that will be monitored during the proposed pumping test outlined in P-2008-043 MD-03 are the documents to be made non confidential. Those wells are IS-3T, IS-3Ta, IS-3Tb, IS-3Tc, and IS-3Td. The Colorado State Engineer Well Construction and Test Reports for those wells are enclosed with this memo.

enclosure(s)

c:\acs files\My Documents 4-19-06 thru\centennial conf to public docs mtf.doc

FORM NO. GWS-31 04/2005	STATE OF CC 1313 Sherman S Phone – Info (30 Fax (303) 866-35	t., Room 818, Do 3) 866-3587 Ma	NGINEER		
1. WELL PE	ERMIT NUMBER: M			ww.water.state	ale.co.us
2. WELL OW	NER INFORMATIO	N			
NAME OF	WELL OWNER: P	owertech	(USA)	Inc.	
MAILING	ADDRESS: 5575	DTC Park	way, Su	ite 140	0
CITY:Gre	<u>eenwood Vil</u>	lage STAT	E:Colora	ado	ZIP CODE: 80111
TELEPHO	NE NUMBER: (30	<u>3) 790-75</u>	28		
3. WELL LOC	CATION AS DRILLE	<u>D: SW 1/4,</u>	<u>NE</u> 1/4,	Sec. <u>33</u> ,	, Twp. <u>10</u> 🖾 N or 🗆 S. Range <u>67</u> 🗌 E or 🖾 W
DISTANCE	ES FROM SEC. LIN	ES: <u>2500</u>	ft. from	🛛 N or 🗌 S	S section line and <u>1400</u> ft. from X E or W section I , LOT, BLOCK, FILING (UNIT)
Optional G	GPS Location: GPS	Unit must use	the following	sottings - Er	Format must be UTM, Units       Owner's Well Designation: IS         Zone 12 or Zone 13       Easting:
STREET A	DDRESS AT WELL	LOCATION: E	ast of	CR17 &	Marshall C.
4. GROUND	SURFACE ELEVAT	ON 5539.	11 feet		DRILLING METHOD Air Rotary
	MPLETED 09/07				
5. GEOLOGIC	CLOG:				
Depth	Туре	Grain Size	Color	Water Loc	b. HOLE DIAM (in.)         From (ft)         To (ft)           ic.         10         0         40
0	Mudstone	Clay	Gray		
122	Sandștone	Sand	Gray		<u> </u>
175	Mudstone	Clay	Gray	10 GPM	7. PLAIN CASING:
340	Mudstone	Clay	Gray		
395	<u>Laramie Fm</u>	Sand/Mud			OD (in) Kind Wall Size (in) From (ft) To (ft) <u>4</u> <u>SCH 80 0.337 0</u> <u>465</u>
436	Al Fox Hs	Sand/Mud			<u> </u>
462	A2 Fox Hs	Sand	Gray	35 GPM	1
495	Mudstone	Clay	Mulit		
					PERFORATED CASING: Screen Slot Size (in): 0.020
					<u>4</u> <u>SCH 80 0.337</u> <u>465</u> <u>495</u>
					8. FILTER PACK: 9. PACKER PLACEMENT
			••		8. FILTER PACK: 9. PACKER PLACEMENT: Material Sand Type N/A
					Size 8-12
					Interval 455-495 Depth N/A
					10. GROUTING RECORD
					Material Amount Density Interval Placemen
	rout consist				Grout * 109 FT3 10 2 0-452 Bumpo
Enviropl	<u>ug - 30% Sc</u>	<u>lids. **</u>	<u>Bentoni</u>	<u>te 1/4</u> "	"Bent.**1 FT3 10.2 452-455 Tremi
time rel	<u>ease pellet</u>	<u>s above</u>	sand.		
1. DISINFECT	ION: Type	or if Test Dat			Amt. Used
TESTING MET		box in rest Data	a is submitted	on Form Nu	Iumber GWS 39 Supplemental Well Test.
TESTING MET		//			
Static Level 27 Rumping Lovel	<u>4.9</u> π. Date	/Time measure	ed:		, Production Rate gpm.
Remarks:	n. Date	i ime measure			gpm gpm
3. I have read the	e statements made her	ein and know the	e contents ther	eof, and they	are true to my knowledge. This document is signed and certified in
coordance with Re ection 37-91-108( Company Name	1)(e), C.R.S., and is pi	Vell Construction inishable by fine	Rules, 2 CCR s up to \$5000	402-2. [The f and/or revocat	ation of the contracting license.]
	Ingram Dri				Phone: License Number: (800)410-4542 1099
Mailing Address	:P.O. Box 3	42, Este	s Park,	Colorad	do 80517
Signature:	h st	Jus	Print Nam	e and Title	ngram, President Date
	•		Atta	achment	

FORM NC GWS-31 04/2005	STATE OF CC 1313 Sherman S Phone – Info (30	WELL CONSTRUCTION AND TEST REPORT STATE OF COLORADO, OFFICE OF THE STATE ENGINEER 1313 Sherman St., Room 818, Denver, CO 80203 Phone – Info (303) 866-3587 Main (303) 866-3581 Fax (303) 866-3589 http://www.water.state.co.us					For Office Use Only		
1. WELL P	ERMIT NUMBER: M			WW.Water.state					
2. WELL OV	<b>WNER INFORMATIO</b>	<b>N</b>							
	WELL OWNER: P								
MAILING	ADDRESS: 5575	DTC Park	way, Su	<u>ite 140</u>					
	eenwood Vil			ado	ZIP CODE: 801	11			
	ONE NUMBER: (30					].			
3. <u>WELL LO</u>	CATION AS DRILLE	<u>D: SW 1/4.</u>	<u>NE</u> 1/4,	Sec. <u>33</u> ,	Twp. 10 XIN	l or 🗍 S, Range	9 <u>67</u> □ E or 🕅 W		
DISTANC	ES FROM SEC. LIN	ES: <u>2500</u>	ft. from	🗓 N or 🗌 S	section line and	1400 ft. fror	m XE or W section line		
SUBDIVIS	SION:		·····		, LOT	, BLOCK	, FILING (UNIT)		
Optional must be n	GPS Location: GPS neters, Datum must I	5 Unit must use be <b>NAD83</b> , Uni	the following t must be set	settings: Fo	mat must be UTN	I, Units Owne one 13 Easti	er's Well Designation: <u>IS-31</u> ng:		
STREET	ADDRESS AT WELL	LOCATION: E	ast of	CR17 &	North of CI	R110 North	ina:		
	SURFACE ELEVAT				DRILLING METH				
	MPLETED 09/07					H COMPLETED			
5. GEOLOGI					6. HOLE DIAM (				
Depth	Туре	Grain Size	Color	Water Loc	. 10	0			
0	Mudstone	Clay	Gray		6-1/4		250		
122	Sandstone	Sand	Gray				250		
175	Mudstone	Clay	Gray		7. PLAIN CASIN	G:	······································		
230	Sandstone	Sand	Gray	10 GPM		nd Wall Size	(in) From (ft) To (ft)		
250	Mudstone	Clay	Gray				<u> </u>		
				<u> </u>					
				+	PERFORATED (	CASING: Scree	n Slot Size (in): 0.020		
					<u>2 SCH</u>	40 0.125	230 250		
					·				
	1				<u> </u>				
			<b></b>		8. FILTER PACK: Material San		CKER PLACEMENT:		
				1					
						- 250 Depth	N/A		
					10. GROUTING R		1V / M		
					Material Amou		Interval Placement		
	Frout consis				Grout* 81 F	T3 10.2	0-225 Pumped		
Envirop	lug - 30% Sc	olids. **	Bentoni	<u>te 1/4</u> "	<u>Bent.**0.6</u>	FT3 10.2	225-230 Tremie		
time re	<u>lease pellet</u>	<u>is above</u>	sand.						
1. DISINFEC	TION: Type ST DATA: Check	box if Test Dat	o io oubmitte	d an Error M	Amt. Used				
		box in rest Dat	a is submine	a on Form Ni	imber GWS 39 Su	pplemental Well	Test.		
TESTING ME							·····		
Static Level 1	<u>23.0</u> π. Date	e/Time measure	ed:	· · · · · · · · · · · · · · · · · · ·	, Product	ion Rate	gpm.		
Remarks:	el ft. Date	er nine measure	ed		, Test Le	ngth (hrs)	·		
3. I have read ti	he statements made he	rein and know th	e contents the	reof, and they a	are true to my knowle	dae. This docum	ent is signed and certified in		
							ent is signed and certified in statements is a violation of		
Company Nan	ne:	and do by mit	.s up to \$5000	and/or revocat	ion of the contracting Phone:	license.)	License Number:		
	Ingram Dr	illing,	Inc.		(800)410	-4542	1099		
Mailing Addres	s: P.O. Box 3	42, Este	s Park.	Colorad	do 80517				
Signature:	Al Cal	ſ	Print Nam	ne and Title			Date		
(	4 - yu	- 1.40			igram, Pres	ident	12/07/08		
	Ÿ		Att	achment	D		······································		

. ....

FORM NO. GWS-31	GWS-31 STATE OF COLORADO, OFFICE OF THE STATE ENGINEER							For Office Us	e Only
04/2005	1313 Sherman St Phone – Info (303 Fax (303) 866-35	) 866-3587 Ma	in (303) 866-3		.co.us				
	MIT NUMBER: MI								
	ELL OWNER: Po	-	(USA) 1	Inc.					
	DRESS: 5575								
	nwood Vill					80111			
	NUMBER: (30)						-		
	TION AS DRILLE		and the second se	Sec. 33	Twp. 10		S Range	67 DEC	vr [\$2] \A/
DISTANCES	FROM SEC. LINE	s: <u>2500</u>	ft. from [		section line	and 1400	) ft. from		v الما V section line
SUBDIVISIO	N:				, LOT	, BLC	DCK	FILING (UNIT	Г)
Optional GP	S Location: GPS ers, Datum must b	Unit must use	the following	settinas: Fo	rmat must i	e UTM Unit	owner's	s Well Design	ation: <u>IS-3</u>
STREET ADD	DRESS AT WELL	LOCATION: E	ast of	CR17 & I	North o	of CR110	) Northin	q:	
	RFACE ELEVATI					METHOD A			
DATE COMP	LETED 09/12	/07 T	OTAL DEPT	<u>H 575</u>			MPLETED 5		et
. GEOLOGIÇ L	.OG:	·			6. HOLE		Fron		To (ft)
	Гуре	Grain Size	Color	Water Loc.			0		0
	ludstone	Clay	Gray		6-1/	4	40	5	75
	andstone	Sand	Gray	_					
	ludstone	Clay	Gray	10 GPM	7. PLAIN	CASING:			
	ludstone	Clay	Gray	ļ		Kind	Wall Size (i	n) From (ft	) To (ft)
	andstone	Sand	Gray	<u> </u>	2	<u>SCH 40</u>	0.125	0	555
	ludstone	Clay	Mulit	35 GPM					
	andstone	Sand	Gray			• <u> </u>			_
75 1	udstone	Clay	Gray	+					
								Slot Size (in):	
				+	<u> </u>	<u>3CH 40</u>	0.125	555	575
					•	· · · · · · · · · · · · · · · · · · ·			
					8. FILTER	PACK:	9. PACK	ER PLACEM	ENT
					Material	Sand		N/A	
					Size	8-12	_		
					Interval	555-57		N/A	
						TING RECOP	RD		
emarks' *Gro	out consis	ts of WY	O-BEN		Material			Interval	Placement
	g - 30% Sc			te 1/4"	Bent to	81 FT3	7.8	0-550	Pumped
ime rele	ase pellet	s above	sand		<u>Denc.</u>	<u>0.0 F1</u> .	5 10.2	550-555	Tremie
DISINFECTIO	DN: Type			l	Amt. Us	ed			
WELL TEST I	DATA: Check	box if Test Dat	a is submitte	d on Form Nu	Imber GWS	39 Supplem	ental Well Te	est.	
ESTING METH									
atic Level 268		/Time measur	ed:		,	Production Ra	ate	apm.	
umping Level _	ft. Date	Time measur	ed			Test Length (	hrs)		
emarks:									
lion 37-91-108(1)	statements made here a 17.4 of the Water V (e), C.R.S., and is p	ven Constitucijo	n Koles ZCUP	K 407-7 IINA 1	ing of a doc ion of the co	cument that cor ntracting licens	the second second second	is signed and o tements is a vio	certified in plation of
ompany Name:	Ingram Dr	illing,	Inc.		Phone (800	: )410-454		License Numb 1099	er:
ailing Address:	P.O. Box 3	<u>42, Est</u> e	s Park,	Colorad	do 8051	17			
gnature: Alte	to c	- fis	Print Nan	ne and Title				Ti	Date /08
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		ISTenha	שה הי הי	~~~~m	Preside		· · · · · ·	I Inc InP

. ----

FORM NC GWS-31 04/2005	STATE OF CC 1313 Sherman S Phone – Info (30	WELL CONSTRUCTION AND TEST REPORT           STATE OF COLORADO, OFFICE OF THE STATE ENGINEER           1313 Sherman SL., Room 818, Denver, CO 80203           Phone – Info (303) 866-3587           Main (303) 866-3581           Fax (303) 866-3589							e Use Only
1. WELL P	PERMIT NUMBER: M	IH-047209	)	in the state	e.co.us				
2. WELL O	WNER INFORMATIC	N N		·····					
	FWELLOWNER: P								
MAILING	ADDRESS: 5575	DTC Parl	kway, Sı	<u> 140 140</u>	)				
	eenwood Vil	lage STA	TE:Color	ado	ZIP CODE	:80111			
3 WELLIO	ONE NUMBER: (30	<u>3) /90-75</u>	28						
SUBDIVIS	CATION AS DRILLE CES FROM SEC. LIN SION:	E3. <u>200</u>	π. from	IXI N-or [_] S	section line	and <u>140</u>	) ft. fror )CK	n ⊠Eor ,FILING(L	W section line.
must be n	GPS Location: GPS neters, Datum must	i Unit must use be <b>NAD83</b> , Un	e the following it must be se	g settings: Fo t to true N, [	ormat must b	oe UTM, Unit	s Owne B Eastir	er's Well Des	signation: IS-3To
STREET	ADDRESS AT WELL	LOCATION: E	East of	CR17 &	North c	of CR110	) North	ina:	
4. GROUND	SURFACE ELEVAT	ION <u>5539</u> .	<u>343</u> feet		DRILLING	METHOD 7			
DATE CO	MPLETED 09/12	/07 1	TOTAL DEPT	H 495		DEPTH CO			feet
5. GEOLOGI		· · · · · · · · · · · · · · · · · · ·			6. HOLE D	DIAM (in.)			To (ft)
Depth	Туре	Grain Size	Color	Water Loc	. 10		0		40
0	Mudstone	Clay	Gray		6-1/4	4	40		495
175	Sandstone Mudstone	Sand	Gray					· · · · · · · · · · · · · · · · · · ·	
340	Mudstone	Clay	Gray	10 GPM	7. PLAIN C				
395	Sandstone	Clay Sand	Gray		OD (in)				n (ft) To (ft)
495	Mudstone	Mud	Gray Gray	35 GPM	2	<u>SCH 40</u>	0.125	0	465
				JJJ GPM					
					{		<u> </u>		
				<u> </u>					
					2	SCH 40	0.125	<u>465</u>	n): <u>0.0</u> 20 495
					8. FILTER	PACK:	9. PAC	KER PLAC	
					Material Size	<u>Sand</u> 8-12	Туре	N/A	
			······			455-495		N/A	
						ING RECOR	D		
Remarks: <u>*G</u> Envirop]	rout consist lug - 30% So	s of WY	<u>D-BEN</u>		Material J Grout * 8		Density 10.2	Interval 0-452	Placement Pumped
time rel	lease pellet	s above	sand		Bent.**	0.6 FT3	10.2	452-45	55 <u>Tremie</u>
11. DISINFECT	TION: Type				Amt. Use				
12. WELL TES	T DATA: Check I	pox if Test Data	a is submitted	d on Form Nu	mber GWS	u 39 Suppleme	ental Well T	est	
TESTING MET	ГНОД							000.	
Static Level 27		/Time measure	ed:		, Pr	roduction Ra	te		
Pumping Level	Ift. Date	Time measure/	ed		, Te	est Length (h	rs)	gpm.	
Remarks: 3. I have read th	e statements made her	ein and know the						-	
ccordance with R ection 37-91-108 Company Nam	e statements made her Rule 17.4 of the Water V (1)(e), C.R.S., and is pu	Vell Construction	Rules, 2 CCR s up to \$5000 a	eof. and they a 402-2. [The fi and/or revocation	on of the cont	knowledge. T ment that cont racting license	his documer ains false st :.]	at is signed an atements is a	id certified in violation of
	 				Phone:	410-454		License Nu	mber:
Mailing Address	S: P.O. Box 3			Colored		<u></u>	۷	1099	
Signature	the a du	- fue	Print Nam	e and Title					Date
	+ = = 7	- /		n E. In		resider	it		12/08/08
			Atta	ichment [	)				• 60

· · · · · ·

-----

.....

\_\_\_\_\_. . ....

-..

-----

FORM NO. GWS-31	OT TE OF ON ODADO OFFICE OF THE OTATE FURNISED						Use Only
04/2005 1313 Sherman St., Room 818, Denver, CO 80203 Phone – Info (303) 866-3587 Main (303) 866-3581 Fax (303) 866-3589 http://www.water.state.co.us							
1. WELL PI	ERMIT NUMBER: M						
	NER INFORMATIO				······································		
NAME OF	WELL OWNER: Po	owertech	(USA) I	Inc.			
MAILING	ADDRESS: 5575	DTC Park	way, Su	ite 140			
					ZIP CODE: 80111		
TELEPHO	NE NUMBER: (30	3) 790 <i>-</i> 75	28				
3. WELL LOC	CATION AS DRILLE	<u>D: SW 1/4,</u>	<u>NE</u> 1/4, 3	Sec. <u>33</u> ,	Twp. <u>10</u> 🕅 N or 🗍 S	, Range <u>67</u>	E or 🔀 W
DISTANCI	ES FROM SEC. LIN	ES: <u>2500</u>	ft. from [	🕅 N or 🗌 S s	section line and 1400	ft. from 🔀 E or [	W section line.
SUBDIVIS	SION:				, LOT, BLOC	K, FILING (L	NIT)
					rmat must be UTM, Units ] Zone 12 or 🗌 Zone 13	Owner's Well Des Easting:	ignation: <u>IS-3T</u> d
STREET A	ADDRESS AT WELL	LOCATION: E	ast of	CR17 & 1	North of CR110	Northing:	
	SURFACE ELEVAT				DRILLING METHOD AI		
ł	MPLETED 09/12			Н 495		PLETED 495	feet
5. GEOLOGI					6. HOLE DIAM (in.)		To (ft)
Depth	Туре	Grain Size	Color	Water Loc.	10	0	40
0	Mudstone	Clay	Gray		6-1/4	40	495
122	Sandstone	Sand	Gray				
175	Mudstone	Clay	Gray	10 GPM	7. PLAIN CASING:		• • • • • • • • • • • • • • • • • • •
340	Mudstone	Clay	Gray			Nall Size (in) Fron	n (ft) To (ft)
395	Sandstone	Sand	Gray		1 . /	0.125 0	• • • • •
495	Mudstone	Mud	Gray	35 GPM			
			ļ		PERFORATED CASING		
		,			2 <u>SCH 40</u>	0.125 465	495
		· · · · · · · · · · · · · · · · · · ·					
						<u> </u>	
							****
					8. FILTER PACK:	9. PACKER PLAC	EMENT:
				+	Material <u>Sand</u> Size 8-12	Type <u>N/A</u>	
				1			
			·····		Interval 455-495		·······
Remarks: *(	Grout consis	ts of WY	O-BEN		Grout* 81 FT3	ensity Interval 10.2 0-452	Placement Pumped
				te 1/4"	Bent. * * 0.6 FT3		55 Tremie
	lease pelle				<u> </u>	10.2 102 1	<u> 11emie</u>
11. DISINFEC	CTION: Type			d on Form N	Amt. Used umber GWS 39 Suppleme	ntal Well Test	
TESTING ME						and the second	
Static Level 2		e/Time measu	red:		, Production Rat	9	
	el ft. Dat	e/Time measur	red		, Test Length (hi	e gpm.	
Remarks:							
<ol> <li>I have read I accordance with</li> </ol>	Rule 17.4 of the Water	Well Construction	on Rules, 2 CC	R 402-2. (The	are true to my knowledge. The filing of a document that contra- tion of the contracting license	ains false statements is	and certified in a violation of
Company Nar	me: Ingram Dr				Phone: (800)410-454	License N	umber:
Mailing Addre	ss: P.O. Box	342, Este	es Park.	Colora	do 80517		
Signature:	H-CN	1	Print Nar	me and Title			Date
	the when		ISteph	en E. In	ngram, Presider	it	12/29/28
	,		At	tachment	D		-

----

\_

.....

- ---

-----

—