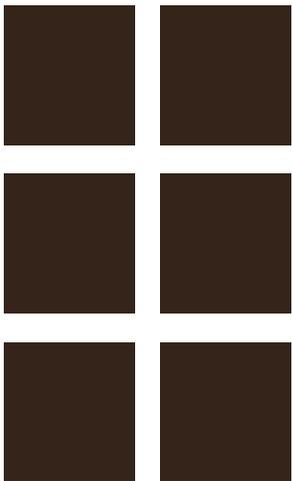


BLUNT BELL BULLETIN



TIMES-A-CHANING:
HOME ABOVE THE
RANGE.

By
Pearl-Grace Pantaleone
Marketing Coordinator



engineers
surveyors
bell



I've been alone for thousands of years,
Eskimos came and went with their harpoons;
80's oil sent producers here,
And now I've seen all the oil booms.

Youth would say, "hey, don't produce anymore,"
Elders would say, "let's use what we can find;"
Explores would say, "drill more off shore,"
Some would say, "ANWAR: secure and confined."

Whatever they say, you need to find a way,
You stand here today, shivering with fear;
That the work that once came, will not be at bay,
But what I've seen now, it seems very clear.

You must find a way, just as I have done,
To claim the land once had, the land you seek;
It's a time to change, not a time to run,
For change if you don't, you shan't reach the peak.

Together you must act, a Pond you must play,
Explore other places, though it may seem strange;
For times-a-changing—here where I stay,
It's not the same, my Home Above the Range.

-Artistic Expression of today's economic climate.



Left to Right:
Kent Hackleman, Tim Barnhart, Eric McKinstry, Richard Diaz, Casey Heath, Josh Erhardt, Bryan Sappington, Kristyn Draper.

BELL, Prudhoe Bay, is proud to announce that we have been selected as the PIRATE (Personal Involvement Reduces Accidents To Everyone) work group of the quarter. PIRATE is a behavioral based safety process that

requires employee involvement at all levels. The recognition has been a long time in the making. Our dedication to safety and the belief that "safety is everyone's business" are reasons why we have not had a lost time incident in more than 15 years

and a recordable accident in over 10 years or 605,399 hours worked. The program has been led by BELL Employees Josh Erhardt and Kevin Chiasson for the last three years and their message has been heard loud and clear by the group here at BP's Main

Construction Camp. I would personally like to thank all the members of the BELL Survey team that have made this award possible and for keeping themselves and those around them safe!

Keep up the good work!!



Projects, People!

Here is a list of all BELL's active projects:

Surveying

West Dock Bridge Ice Coring (TVA Maint)
DS02 Well 05 VSM Installation Support
GC1 Wet Gas Dimensional Control
Kuparuk River Ice Coring
CCP-NGI Survey Support for NGL 4" VSM Design
V-Pad & L Pad Survey/Soil Boring
Pipelines 03 & 16 SWI/PWI Lines post repairs
GPB (WOA, EOA, GPMA) BFE Certificates
2016/2017 Sag River Ice Road DH (CH2M) - DS17
DS14 Prod Sust P/L Install Survey Support
DS14 Prod Sust P/L Installation Geotech QA Support
NGI 4" VSM Support Investigation
MTS Pit #3 Excavation GDP
VRS Operational Software and Install
H Pad Wells 11/32 lateral line support survey
Sag River Plat Revision for Plan of Operations
GC2 Mod 577 Siting GPR Design Scan with Survey Support
Reserve Pit Stabilization Bathymetry and HSM Elevations
B Pad, X Pad & DS5 VSM Stabilization Construction
VRS Early Works Technician
2016 Phase 1 VRS Implementation
GPS Equipment Control Sim Cards
V Pad -08 Conductor Installation
GC2 BRM GPR
FFGU Pipe Rack 23A 2016 Subsidence
FFGU Pipe Rack 23A Load Cell Monitoring
Badami ROW Amendment
Colville Tank 903 Subsidence Survey
MPU B-Pad Gvl Expansion As-Built
MPU I-Pad ACWR & UGE Staking
New Horizons Fiber Install
GCI ASTAC to AT&T Earth Station

Civil Engineering

ASRC Barrow Garages
ADN As-Built
Dowling Warehouses
RWC Building
Blessed Sacrament
Wasilla Building Site Plan
GC2 Wet Gas Addn'l Scan Skids 9, 4, 22

3D Scanning

GC3 Wet Gas 3D Scanning
GC1 (TAR) GLT Header Piping & Platform (outside) 3D Scan
GC1 (TAR) Mod 20 (inside) 3D Scan
GIS Fabrication Shop Scan

Mechanical Engineering

Barrow Garages

INCENTIVE PROGRAM

HOW WE CAN MAKE A DIFFERENCE IF
WE SPEAK UP AND TALK TO THE STATE.

BY: BOB BELL

IMPACT ON ALASKA

As you all know the price of oil has had a dramatic impact on our state. The state government is looking at a \$4 billion dollar deficit in a \$5.2 billion dollar budget. This has an impact on almost every business in Alaska. State spending is severely curtailed and the capital budget has been cut to almost nothing. This means less construction and, consequently, less surveying and engineering.

IMPACT ON BELL

The price of oil has also impacted the oil industry in Alaska. The oil companies are deleting or delaying several projects, which again impacts surveying and engineering opportunities. Our company has gone from 70 people a year ago to 42 today. Our revenues and profits are taking a hit as well.

Photo By:
Dmitry Surnin



One bright spot is the National Petroleum Reserve West of the Colville River. We located the two wells for Caelus Energy in Smith Bay and it appears they have made a major find which could produce up to 200,000 barrels a day when it goes on line. This would be a Kuparuk sized field with all the surveying and engineering requirements. Armstrong Petroleum has also made a major find of similar size south of Nuiqsut. These projects could have a significant impact on the economics of Alaska and potentially on our company.

Both companies have made it clear that the current incentive program of the state was a major component in their decision to pursue these projects and will be a significant element in their decision to proceed with development.

INCENTIVES MAKE A DIFFERENCE

The Alaska legislature is considering reducing the incentive program to save money in the short term. This could have significant impact on the State's long term financial viability. If these fields are not developed the pipeline will continue to run at 25% capacity and the State will continue to operate at a deficit until all our savings are depleted.

It is important that we as Alaskans, and as employees of BELL, make sure our legislators know we are in favor of keeping the incentives in place. This will result in Alaska and our company being able to look forward to a return to a strong economy that will result in no deficit for the state and more economic opportunities for our company.

WHAT WE CAN DO

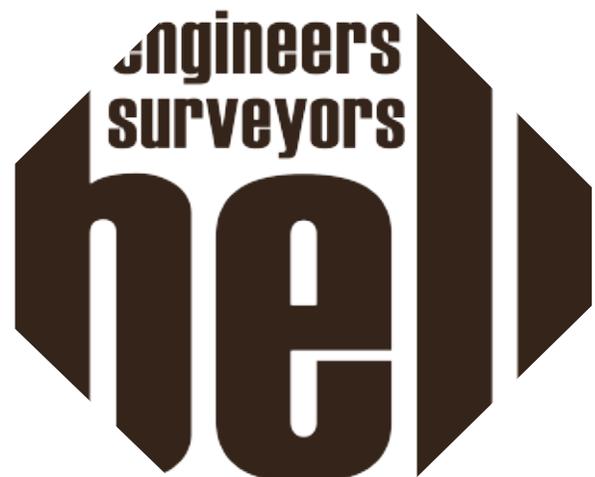
I encourage each of you to contact your state legislator and encourage them to work to keep the incentives in place and to encourage the development of Alaska's resources.

Find your legislator here:

<http://w3.legis.state.ak.us/>

Or call Information Services at 465-2419 to find out who your representative is.

"The state government is looking at a \$4 billion dollar deficit in a \$5.2 billion dollar budget. This has an impact on almost every business in Alaska."





HAPPY ANNIVERSARY

Thank you for all those employees who have served BELL all the long years! This Quarter we recognized the following individuals' work anniversaries:

OCTOBER

Al Yatlin, 9 years
Pearl-Grace Pantaleone, 2 years
Jeremy Anderson, 5 years
Robert Mucha, 15 years

NOVEMBER

David Calderone, 24 years
Mathew Malnoske, 2 years
Nancy Robertson, 8 years

DECEMBER

N/A



Born in Mount Clemens, Michigan, and spent most his upbringing in the Detroit Area (a few blocks away from the famous 8 Mile), Dave soon found his calling to Anchorage, Alaska in 1989 while a Mechanical Engineer for the Military, stationed at Elmendorf. An avid hunter, camper, and hiker, Dave fits well the BELL family— as he, too has a pilot background. He is the second longest employee here at BELL (John Jacobs being the 1st), as he was brought on the team on November 16, 1992.

THE BIRTH OF THE M.E.

Ever since the 8th grade, Dave knew what he wanted to do. He was told that his guidance counselor went out to fly escort for Air Force One as his counselor was in the Air National Guard. To accomplish this one must excel in math or science. So, Dave came home that day to tell his brother that he was going to get his Mechanical Engineering Degree to be a pilot. And so, Dave joined the Air Force and on January 10, 1986 where he was trained as a pilot in the military.

WHY BELL?

CMH was where Dave originally started. It was a funny time for Dave how he got a M.E. position at CMH (now BELL). He had enjoyed serving on four different Bases around the country, but it was time for him to take a different route. He applied for CMH, and Tom Spurlock said he would call by next week. Dave never heard back, so he applied for a position at Siemens Controls, had an interview and dinner, and was told he'd hear back from them on Monday. He never did. Unfortunately, Dave found out that gentlemen who interviewed him had passed away. That same week he finally heard back from CMH, and someone in Tom's family had a severely injured their arm and that's why it took a while to get back. Long story short, Dave got the job at CMH.

INTERESTING FACTS

Dave is a big fan of old, black and white films, particularly in the 50's era. His favorite classic films are Arsenic and Old Lace, and Casablanca.



CMH >> BELL

PASSIONS

Growing up in the Detroit Area, Dave became a huge baseball fan; his favorite team is the Detroit Tigers. Dave is also a collector of military items and guns. He has even made personal friends with the owner of an antique shop in town so he can know of the best items as they come in.

NATURE ALL AROUND

He wouldn't be a complete Alaskan without enjoying going off the beaten path. Dave loves to hike all around, his favorite spots in town are Windy and McHugh on the Turnagain Arm Trail. You wouldn't guess it but, Dave has about 30 pets! Cats, dogs, a hermit crab, a snake, and a bunch of chickens! He also is on is 5th rescue cat and 4th rescue dog.

IDEAL RETIREMENT

Spending most of his time in the "Pit" in the Anchorage office, Dave loves having his own space to feel like he is off the grid. His ideal retirement would be living in the Midwest, with a section of land and a farm.

Employee

News & Announcements

Kyle and his wife, Liliana, traveled to Italy this past September. This fabulous selfie was taken in front of the famous Basilica of St. Mary of the Flower, also known as the Florence Cathedral.
->>KYLE GRIFFITHS



It's an Elephant! Pearl-Grace and her husband traveled to Thailand in October and got to experience the results of the death of King Bhumibol Adulyadej. Here is a photo of them on Phuket Island.
->>PEARL-GRACE PANTALEONE



What a beautiful day to travel... for four hours in the sky! Here is one of the many shots that Frank took as he flew over Palmer and Southcentral Alaska.
->>FRANK BELL



Selfie Sunday! Steve stops to show off his new dress shirt off in the Prudhoe Bay office!
->>STEVE MANSER



Bob got a new puppy this Fall! Welcome to the family, Rosie!
->>BOB BELL



Our scanning crew in the field at the end of November in Big Lake! We were scanning fabricated material to make sure they are the correct dimensions before shipping off to the slope!
->>CHRIS BURT



Werner out surveying in late September before the snow and frost! Werner and the interns favorite thing about surveying is that you aren't stuck in an office all day!
->>WERNER MACEDO





BELL has a bunch of new swag (promotional gear). We have jackets (dark gray for men and light gray for women), trucker hats, dress shirts, limited time shirts, pens, stickers, business cards, name tags, USG drives, and new fliers! Watch out for 2017, we will be getting all new marketing documents/brochures!!
>>BELL MARKETING SWAG

This year BELL put on it's first annual Thanksgiving Pie Bake Off. Employees traded the office for the kitchen to bake homemade pies. Pearl-Grace was voted the winner of the Best Decorated Pie, and one of Carla's accountants won best tasting. Thankful for the Holidays, food, and good people.
>>BELL PIE BAKE OFF



BELL attended the annual Associated General Contractors (AGC) Conference at the Hotel Captain Cook November 9-12. As far as private, and state work, projects are looking extremely slim. USACE said that there are larger projects to come in 2017, including some for DOD and the Alaska District.
>>BELL BUSINESS DEVELOPMENT



BELL was invited to go to one of our client's property out near Dillingham. BELL, GCI, and 12 other companies spent the weekend at GCI's Agulowak retreat at the end of September. The whole month was rainy, but the two mornings BELL was there, we were greeted by two magnificent sunrises.
>>BELL BUSINESS DEVELOPMENT



Our scanning department got a huge recognition in the community. Thanks to Dave Calder done, BELL got to have the honors of being the key note speaker for the ASHREA November Dinner. We killed it!!!!
>>CHRIS BURT

During her time as the Social Media person, Vivian was met with a visitor in her yard and quickly snapped this photo of a moose! Love being in Alaska and being able to see wildlife outside your front door.
>>VIVIAN SANTIAGO

TROUT FISHING AK

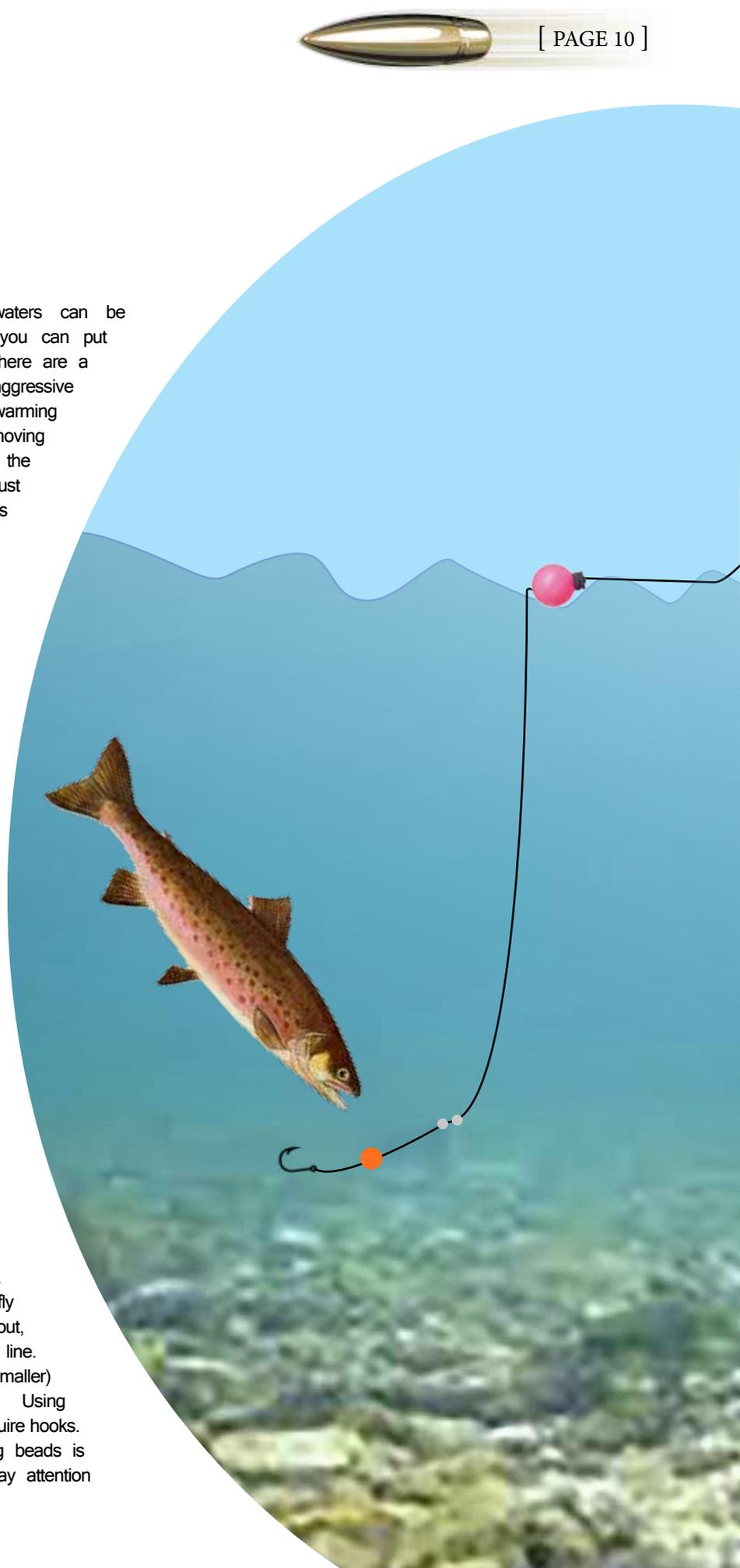
By Kyle Griffiths

Catching a Rainbow Trout in Alaskan waters can be challenging, however it's extremely rewarding when you can put all of the pieces together and fight these beauties. There are a couple times a year when Rainbow Trout become aggressive feeders; spring and fall. The spring breakup and warming gets the trout out of their lethargic temperament and moving back into their native streams in anticipation for the anadromous salmon. This is a perfect time to dust off the rods and hit the streams before the waters are crowded with salmon anglers. The trout become even more aggressive moving through the summer and into fall when first salmon returning start to spawn and die off. Beads and flesh patterns will yield the most trout for your effort on the water.

The basic setup for fly fishing Rainbow Trout will require a 5wt-8wt single handed (or spey rod), a reel, fly line, backing, leader, tippet, strike indicator, split shot, beads, bare hooks, flesh flies (or other patterns such as: Woolly Buggers, Dolly Lama, or Sculpin patterns), waders, boots and finally time on the water. My favorite streams to visit in the spring and fall are: (Heading North) Little Willow, Willow, Little Susitna, Sheep Creek, Deception Creek, Little Susitna, (Heading South) Kenai River (for the big boys), Quartz Creek and the Russian River. If you would like to know where I go specifically, you will have to ask in person! Now that you have a basic list of what you will be looking for at the fly shop, putting all of the components together and getting on the water to catch a Rainbow Trout are your next steps.

I have had the most success in the spring with Woolly Buggers and in the fall with bead and flesh fly patterns after the salmon have returned. Outlined below is the basic set up for fishing bead patterns in the fall:

1. Weight forward floating fly line - I use Rio or Scientific America compatible with the size of rod purchased (5wt-8wt).
2. Tapered leader - (helps with casting, and fly presentation). I generally use a 9ft-5X leader for trout, which attaches to the welded loop at the end of your fly line.
3. Hooks! - I use 4 (bigger) on the Kenai, and 6 (smaller) on the Willow or Russian. Remember to crimp the barb. Using pre-tied flies such as buggers and flesh patterns do not require hooks.
4. Beads! - Lots and lots of beads. Fishing beads is similar to "matching the hatch" so you will want to pay attention





to the timing of the run and what species of salmon that are spawning (See picture). The bead is typically placed two inches from the hook and can be "pegged" (this is to hold the bead in place on the line) with toothpicks or my favorite TB Peggz. Another great resource for information is ADFG: http://www.adfg.alaska.gov/index.cfm?adfg=wildlifeneews.view_article&articles_id=622

5. Split shot - Size depends on the water depth and speed but in general I use two 1/18thoz to 1/12thoz shot placed roughly 12 inches above the fly or bead.

6. Strike indicator - Typically set one and a half to two times the depth of the water from your hook you want to fish. For example, if the water depth is 4ft you would want the strike indicator to be 6-8ft above your hook. Play around with the depth if you are not getting any action.

7. Bear Spray - Do not forget it.

Fishing during spawning season is a food source for both the bears and trout.

The bead setup costs roughly a dollar, which makes losing the beads less painful. Flesh flies can get expensive depending on the complexity and usually run two to three dollars. Larger flesh flies are more expensive but shopping Online can help reduce the cost.

Once you have your gear ready to go and you are on the



stream, be ready to move around and fish different pockets of water (deep holes, Eddies, below riffles, around downed trees, etc.). Trout like structure and places where they can lay and easily grab food as it moves through the water system. Presenting the bead or flesh fly using a dead drift technique is the most effective way to get a strike. Looking at the river you will cast at a 45 degree angle upstream above

the desired location in order to give the bead or flesh fly time to sink and settle into the proper position. The trout will subtly mouth the bead, and that little amount of tension will drop the indicator slightly. SET THE HOOK! You do not need to forcefully set the hook as the bead will be pulled out and the 2 inches left to the hook will be pulled into the corner of the trout's mouth. Using this method helps to ensure after the fight the trout can return to its home with minimal injuries. If you are not losing setups you may not be fishing the water correctly, try adjusting the depth and drift around fallen trees that create or are in pools.

When you are out walking the river system and you find spawning salmon be careful not to walk through the reeds or snag into the spawning salmon. Target the trout waiting behind the salmon for any loose eggs to float downstream. Even if you do not find any salmon around you can still fish the same holes as the trout will probably be hanging out waiting for the food to come to them.

Cheers and good luck!