



## Advanced Well Stimulation Services

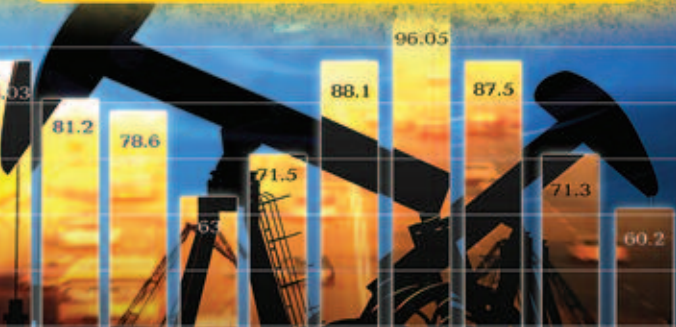
The Jet-Drill™ procedure is an innovative and affordable horizontal drilling method that can yield significant production improvements by creating large lateral drainage channels radiating out from the wellbore, deep into oil and gas payzones.

Geared toward efficiently withdrawing remaining hydrocarbons from the world's ever maturing oil and gas wells by providing an affordable and effective lateral drilling technology.

The result of over 10 years of R&D, the Jet-Drill™ procedure is:

- Administered via Jet-Drill's™ custom radial drilling unit,
- Relies upon a state-of-the-art lateral drilling data system,
- Uses the only effective casing, milling, and jetting BHA; and,
- Is administered by trained professionals

**Generate big \$\$\$ from your fields by connecting your wellbores to untapped pay!**



## Partners

Jet-Drill Well Services™ offers a comprehensive, turn-key affiliate program for interested and qualified potential commercial and self-use partners seeking to operate in select markets. Inquiries are welcome.

133 North Goodman Road • Lake Charles, Louisiana 70615  
 toll free: 1.888.JET-DRILL (538.3755)  
 ph: 337.436.6480 • fax: 337.436.6441

[www.jet-drill.com](http://www.jet-drill.com)



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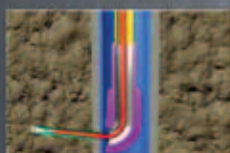


## How It Works

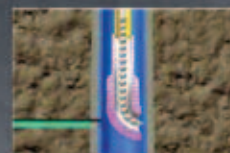
The patented Jet-Drill™ procedure is a multi-step process



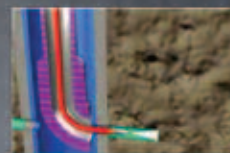
**Step 1:**  
Using Orienting Mill™  
to cut hole in casing



**Step 2:**  
Jet-Drilling™ into  
hydrocarbon bearing  
zone



**Step 3:**  
Turning Orienting Mill™  
& cut casing in next  
direction



**Step 4:**  
Jet-Drilling™ out  
into formation



**Step 5:**  
Putting well back  
on-line  
**Dramatically  
improved production!**

## THE RESULTS

The Jet-Drill™ procedure:  
Creates drainage channels up to 3" in diameter.  
Produces drainage channels extending over  
30 feet into the matrix. Forms a wagon-wheel  
of radial drainage spokes for uniform  
reservoir drainage.

### IMPROVED DRAINAGE

Earlier generation (inferior)  
technology has been used with  
several fold increases in production  
in wells in Canada, Columbia, Chile,  
Argentina, Bolivia, Russia, and Indonesia.



2.25" Drainage Tunnel in Rock

## Applications of Technology

### Existing Wells

Reinstate high production and quickly recover  
remaining hydrocarbons.

### New Wells

Compliment to or outright replacement for perfring.

### Excellent Applicability in:

- Overcoming near wellbore and skin damage
- Well completions
- Well stimulations
- Improving reservoir treatments/injections
- Improving water disposal and re-injection rates
- For steam or CO2 treatments of heavy oils
- Reducing water coning
- Conjunction with acidizing treatments

## IMPROVED RECOVERY

Directly improves reservoir's drainage dynamics  
and recovery timeframes by...

- Intersecting fractures in the matrix  
allowing faster zonal drainage
- Extending past the area of near-wellbore damage
- Allowing for multiple laterals to be cut and  
at varying horizons
- Reaching past conventional perforation  
distances into virgin parts of the matrix
- Blasting thru natural or accumulated barriers  
in the formation
- Reaching into additional reservoir pockets
- Allowing delivery of adjunct treatments  
(e.g. acid, CO2, nitrogen) far into the zone
- Optimizing injections and fluid gradients  
for homogeneous treatment, while reducing  
tunneling
- Providing an attractive alternate to costly in-field  
drilling and/or field expansion

All at a cost of about 1/3 of most  
comparable stimulation alternatives.

## Benefits

- Dramatically accelerates well  
production rates
- Extends the life of marginal wells
- Enhances total recoverable  
reserves
- Costs a fraction of comparable  
stimulation techniques
- Allows for recovery of what was  
once thought to be unattainable  
reserves
- Dramatically increases operator  
profits

**= Accelerating recovery  
of product (\$\$\$)**





# Jet-Drill™

## BLASTING THE FORMATION

The name of the game is to jet out deep into hydrocarbon bearing zones with a large lateral drainage channel. The Jet-Drill™ procedure does just this in the process of creating a drainage holes ranging from about 1" to over 3" in diameter.

### JET-DRILL™ VS. COMPETITION



Other technologies just don't come out in the wash!

The distance of the Jet-Drill™ lateral created and production improvement will vary by formation.

## ADVANCED SURFACE EQUIPMENT

Jet-Drill™ surface equipment is based on the results of radial jetting procedures performed on 100's of wells around the world. We've taken advantage of this expertise to develop the **most robust** and **cutting-edge jet-drilling units in the world.**

### SPECIALIZED SURFACE EQUIPMENT

Engineered for optimal performance in demanding circumstances.

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**1-888-JET-DRILL (538-3755)**

# Why Use Jet-Drill™

## TECHNICAL CAPABILITIES

The Jet-Drill™ procedure is a patented technology based on over 10 years of R&D and thousands of hours of laboratory and field development.

Prior generation technology, which the Jet-Drill™ procedure incorporates, has been used on wells around the world, with several fold increases in production.

The Jet-Drill™ procedure:

- Takes the best of the old technology
- Utilizes a cutting-edge surface unit which it pioneered
- Compliments this package with the most advanced BHA tools

**All to deliver the most reliable and effective jet drilling solution in the world!**

## CASING CUTTING

### Making the cut

In cased hole situations, the first step is to get through the production casing...

### The Procedure

Jet Drill's unique procedure cuts holes in a variety of well conditions and casings formats:

- Shallow or Deep Wells
- Small Diameter or Large Diameter Casing
- Thick or Thin Wall Casing
- Varying Grades of Casing



Typical 5.5" Casing

**7.5 minutes**

Ultra Hard 4.5" Casing

**12.5 minutes**