

# OHSAS 18001 Overview

## Certified Health and Safety Management System



September 16, 2015

WV Commission on Oil and Natural Gas Industry Safety

Wheeling, WV

Mitch Scott

HSE Manager



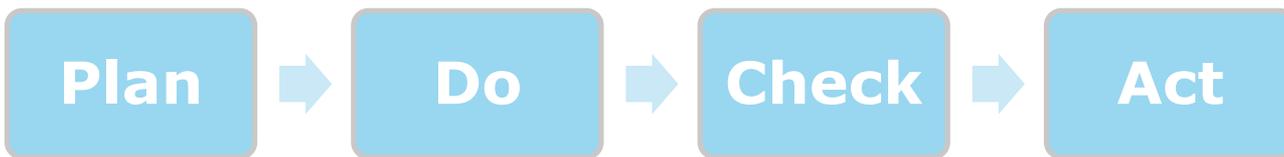
## What is OHSAS 18001?

- Health and Safety Management System
  - Outlines specific requirements
  - Establish formal Policies, Procedures, Programs and Objectives
  - Identify hazards and estimate risk
  - Create Operational Controls to mitigate hazards and lower risk
  - Voluntary standard certified by independent 3<sup>rd</sup> party registrar

## Why is it important?

- Tool for Continual Improvement
  - Efficient Operations
  - Lower injury and severity rates
  - Reduce liability, increase sustainability
  - Reconcile changes and challenges throughout the organization
  - Competitive advantage
    - More Jobs, better ROI, Safer workplace

- Risk Based
  - Identify Significant Aspects
  - Operational Controls
  - Compliance Status
  - Performance Indicators
  - Corrective Action
  - Management Review



# Expectations and Accountability

- Roles and Responsibilities
  - Set achievable goals
  
- Monitoring and Measuring
  
- Operations and HSE teamwork
  - Communicating hazards
  - Developing mitigation plans
  
- Documentation
  - Verify and validate

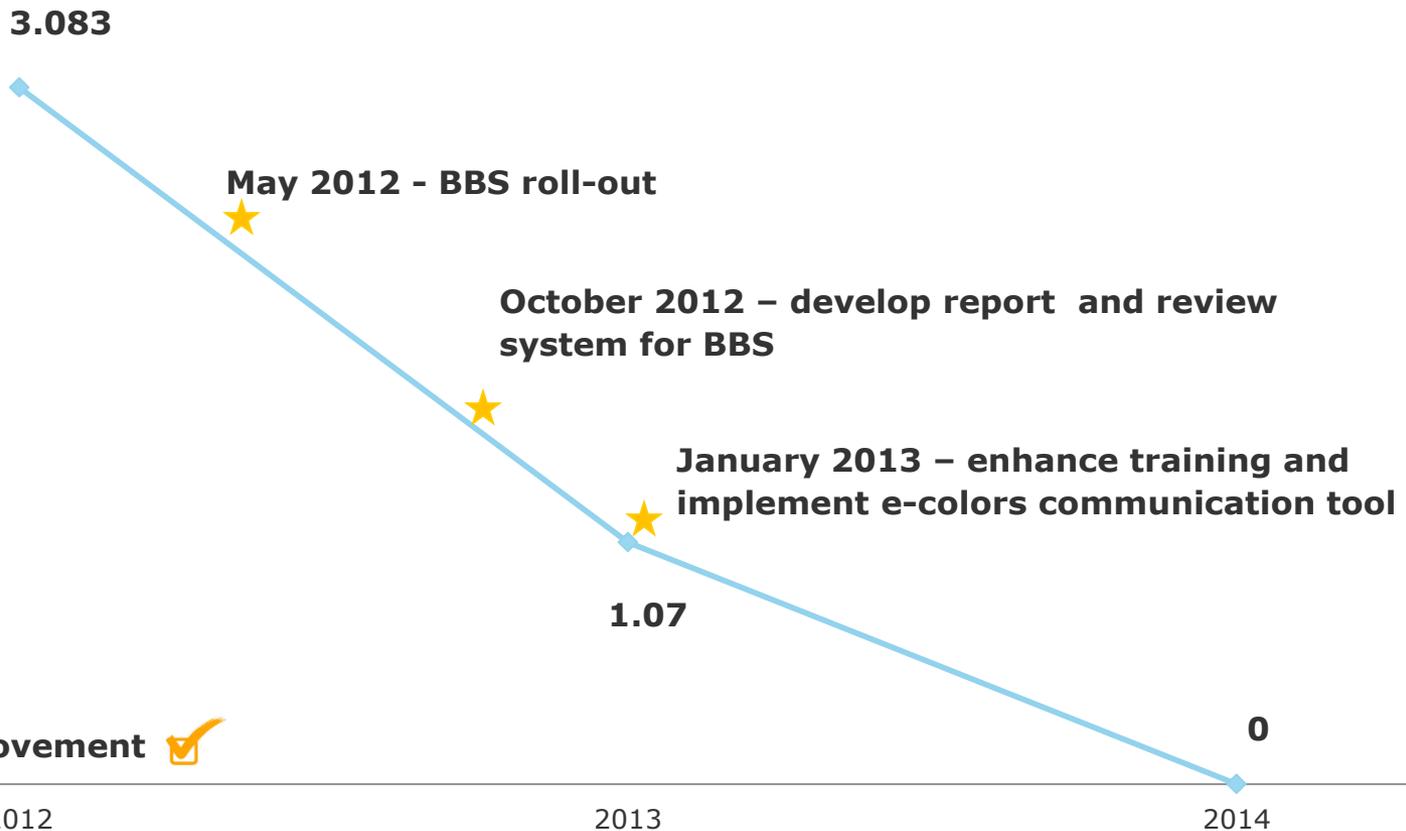


# Setting Goals: Incident Free Operations (IFO)

## Behavior Based Safety implementation timeline

### Total Recordable Incident Rate

—◆— TRIR



Continual Improvement 



# Behavior Based Safety (BBS)

## A more effective response to observations

- HIGHLANDS DRILLING, LLC**  
10000 Day Work Authority Observation Card  
 You have the Right to have the responsibility  
 assigned to you. Control is yours. You have the  
 Authority to stop work if you observe a hazard.  
 Observation Checklist
- REACTIONS OF PEOPLE**
    - Adjusting Personal Protective Equipment
    - Changing Position
    - Slipped Performing Task
    - Attitude and Mood Set
  - Personal Protective Equipment**
    - Head
    - Eyes and Face
    - Ears
    - Respiratory System
    - Arms and Hands
    - Trunk
    - Legs and Feet
  - Positions of People**
    - Striking Against Object
    - Struck By Object
    - Caught In, On, or Between Objects
    - Falling
    - Contacting Temperature Extremes
    - Contacting Electrical Current
    - Inhaling
    - Asphyxiation - A Hazardous Substance
    - Swallowing
    - Overexertion
    - Respiratory Methods
    - Asphyxiation - Hazardous Substance
  - Tools and Equipment**
    - Wrong for the Job
    - Used Inappropriately
    - In Breach Condition
    - Physical Condition of Equipment
  - Accidents and Orderliness**
    - Procedures Not Followed
    - Procedures Not Known/Understood
    - Procedures Not Followed
    - Orderliness Standards Not Followed
    - Orderliness Standards Not Known/Understood
    - Orderliness Standards Not Followed

**HIGHLANDS DRILLING, LLC**  
 Clintwood, VA 24225  
 Phone: 276-626-0044  
 Revised 10/01/2012

### Safety Captain's Incident Free Operations Target Report

Rig #	Job #	Well Name and #	Rig Manager
<b>Mourning Tour</b>			
What Went Right?	What Could be Improved?	Safety Captain Name:	
		Drillers Name:	
Are a BBS I-Care Card	Effective Use of SWA	#	What was done
			SWA
			I-Care Cards
			Near Misses
			Proper JSA
			Inspections Completed
			Env. Concerns
<b>Daylight Tour</b>			
What Went Right?	What Could be Improved?	Safety Captain Name:	
		Drillers Name:	

**HIGHLANDS DRILLING, LLC**  
 10000 Day Work Authority Observation Card

### Operational Excellence Reminder

HIGHLANDS Drilling, LLC has operated 328 days without a Recordable Incident. This achievement is only possible due to your continued support through the use of Stop Work Authority and properly planning every task you perform.

We are committed to finishing out 2012 incident free. [Click left to achieve goal](#) 37

Please review and discuss the following topics throughout the week, remaining focused on completing our work incident free and achieving our goal.

- Always utilize proper fall protection when working around the cellar. If the cellar cover opening is not to place an adequate cover or physical barrier must be used to prevent falls.
- As weather conditions change be mindful of other drivers on the road and always obey the speed limit and never use a mobile device when you are driving.
- Personal protective equipment should always be properly maintained, inspect your PPE and make sure you have identified all potential hazards in your job, assign a responsible person to mitigate those hazards and issue the correct PPE.

**Continuous Improvement Efforts**

- Completed replacing all walking binders with tarbucks on board lives.
- In continuous efforts to remove our hands from the line of fire the Show it - hand safety tool has been introduced and is being utilized when performing tubular.

**Sharing Our Commitment to IFO**

**LCAR BBS**

- Physical condition corrected - Barrel hooks were not properly secured before lifting. The lift was not engaged and the JSA reviewed to ensure the identified hazard was properly corrected. The barrel hooks were secured and the lift was completed without incident.

**Effective SWA**

- Stop work authority utilized when an employee positioned himself under the valve while pipe was being pulled up. Safety zones must be honored on all equipment and confined hazards.

HIGHLANDS Drilling crew identified a problem with the number three winch, work was stopped the winch was inspected, repaired and the physical condition corrected.



**Behavior Based Safety I-CARE**

**Incident Free Operations Target Report (Daily each shift)**

**Operational Excellence Reminders**

**Continual Improvement** 



# Efforts to obtain certification

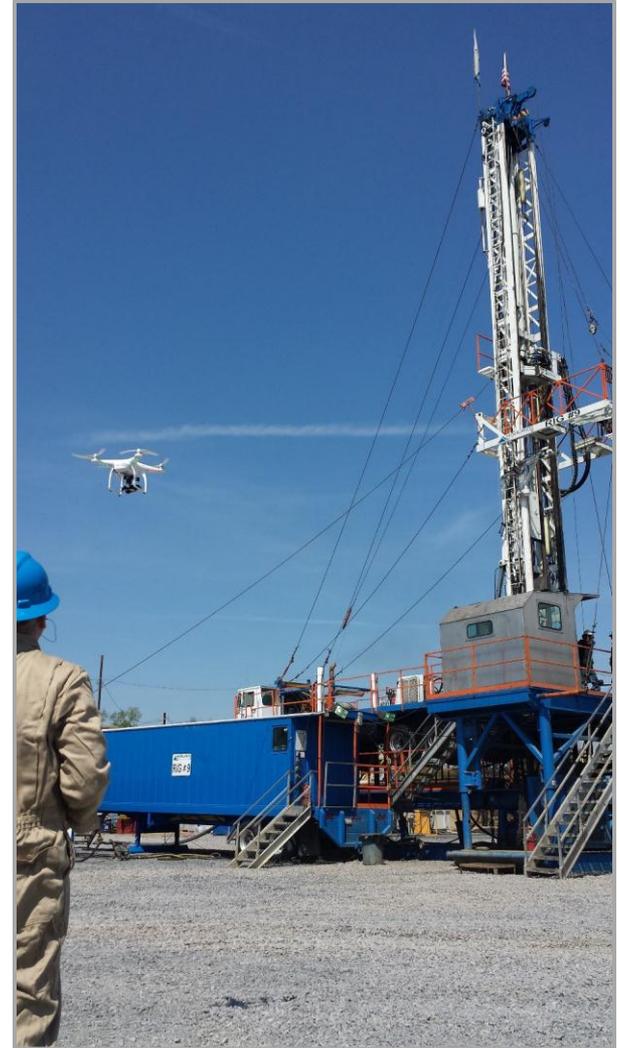


- ISO 14001 (Environmental)
- OHSAS 18001 (Health and Safety)
  - Gained Certification in March and April of 2010
- Senior Management commitment to the standards back in 1998 gaining certification in 1999



# Building a Culture of Excellence in our Industry

- Operational Excellence
  - Efficient Operations
  - Cost effective
  - Health, Safety and Environmental Stewardship
- Identify deficiencies and opportunities for improvement
  - Create an action plan
  - Assign responsibility
  - Provide necessary support and resources
- Provide a platform of sustainability
  - Say what we do, do what we say



# OHSAS 18001 Overview

## Certified Health and Safety Management System



Thank you.

Mitch Scott ●●

HSE Manager

[miscott@highlandsdrilling.com](mailto:miscott@highlandsdrilling.com); [miscott@ trianaenergy.com](mailto:miscott@ trianaenergy.com)

