

# **QUESTAR**<sup>®</sup> *Southern Trails Pipeline*

Arizona Corporation  
Commission

Winter Preparedness Meeting

**Pipeline Safety Update**

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Phoenix, AZ

Oct 22, 2013

## Cameron Compressor Cameron, AZ



# Pipeline Safety Update:

- In Line Inspections
- Assessment of ILI findings
- Remote Cathodic Protection Unit Monitoring
- Kayenta, AZ Class 3 extension
- Arizona Pipeline Safety Meetings
  - Excavators
  - Emergency Responders

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IN LINE INSPECTION:

# Preparing to launch an In Line Inspection Tool (AKA Smart Pig or ILI tool)



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# ILI completed in 2008 to 2012



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IN LINE INSPECTION:

In line Inspection (ILI) completed on final 42 miles from Mohave, AZ to Essex, CA Section 3



Mohave Compressor

Essex, CA

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# Remaining Assessment Schedule

Continue non critical anomaly investigation from 2012 ILI survey.

42 miles, ILI Mohave to Essex, California Section 3 Completed in 2013.

- Complete investigative digs on this 42 miles.

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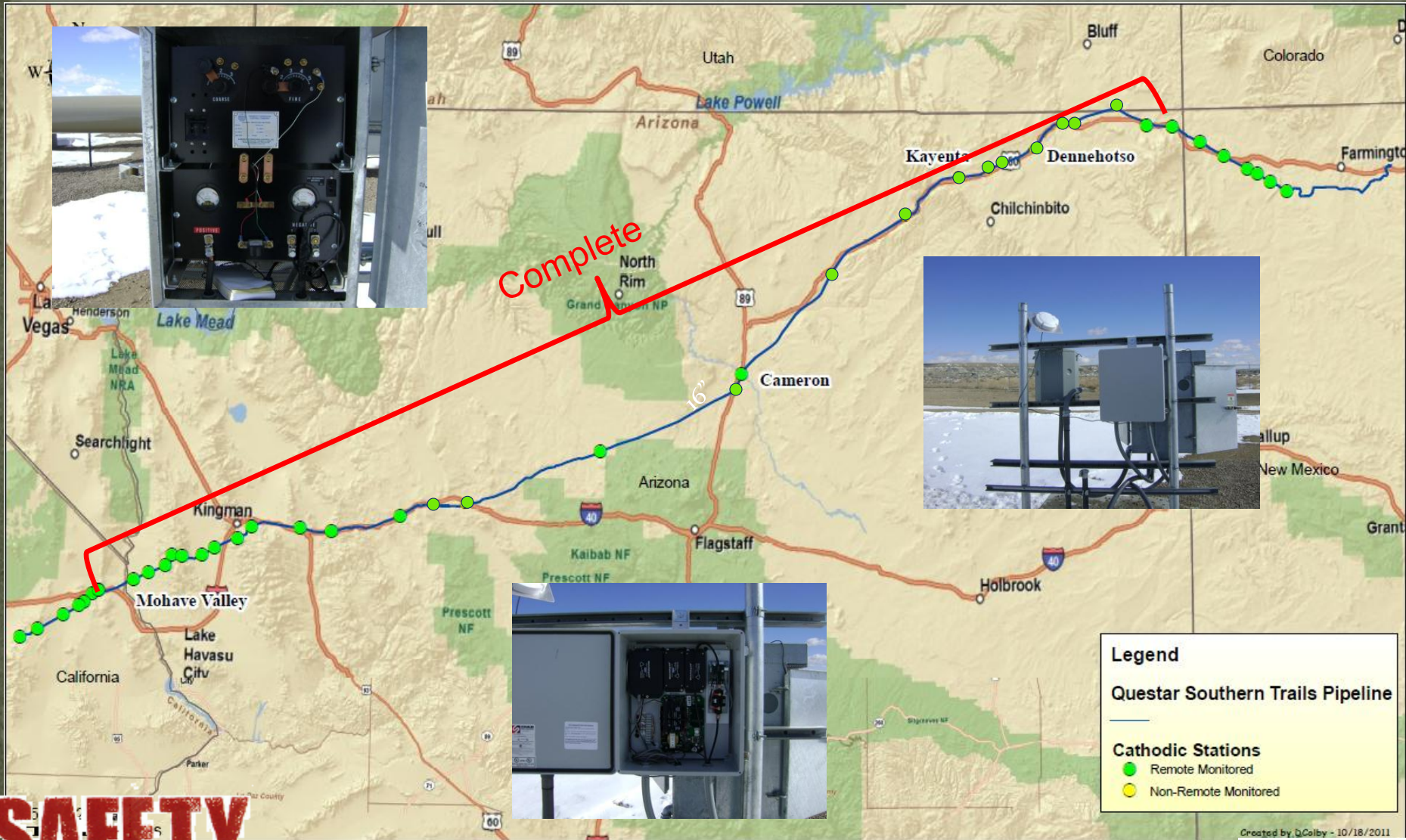
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# Cathodic Protection

## Cathodic Protection Enhancements

- The installation of Remote Monitors complete and operational
- Monitoring 46 cathodic protection stations across NM, UT, AZ, CA
- 24 hour monitoring
- Improved response time, less down time
- Facilitates pipeline protection verification testing.

# Cathodic Protection



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Created by J.Calby - 10/18/2011

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# Kayenta AZ Class 3 extension project

- Extend Class 3 heavy wall pipe by 1890 feet.
- Extension is on both sides of Kayenta East and West.
- Class 3 extension due to population growth in Kayenta.
- Met with Kayenta Township to communicate project schedule and plans.
- Worked with local distribution company Navajo Tribal Utility Authority (NTUA) to schedule work during off peak hours (weekend).

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# 2013 Damage Prevention Emergency Response Public Awareness Meetings

Coordinated with Arizona Blue Stake, local utility and transmission companies and the Arizona Corporation Commission Staff.



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# 2013 Meetings Attended

- Mohave County/City of Bullhead – Blue Stake Excavator Awareness Meeting, Emergency Responder Meeting.
- Kingman, AZ – City of Kingman, Emergency Response, & Blue Stake Excavator Awareness Meeting.
- Flagstaff, AZ – Emergency Response, & Blue Stake Excavator Awareness Meeting.
- Prescott, AZ – Emergency Response & Blue Stake Excavator Awareness Meeting.
- Window Rock, AZ – Navajo Nation Emergency Response & Blue Stake Excavator Awareness Meeting.



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# Purpose Of Meetings

- Inform the public and cities, of pipelines in their vicinity and their locations.
- Train excavators on Blue Stake laws, excavation safety, and safe marking practices.
- Make emergency responders and public officials aware of pipelines and high consequence areas in their response zones.
- Train emergency responders on leak recognition and response Product hazards and characteristics.
- Share pipeline emergency numbers and introduce local pipeline operators to public and responders.
- Define Emergency Planning partners - pipeline operators, police, fire, ambulance hospitals, LEPC, and public officials.

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# In Summary :

## The Benefits of Transmission Integrity Management

- Thorough, up to date analysis of pipeline integrity
  - “ Continue smart pigging” at 7 year intervals.
- Remote monitoring and control of cathodic protection.
- 100% of Southern Trails was hydrostatically tested to DOT code requirements in 2001.

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# Summary of The Benefits of Public Communication

- Provides a foundation for incident avoidance through communications with emergency responders, public officials, excavators and the general public.
- Give knowledge to local communities of pipelines in their area

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Questions?

Thank You!

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