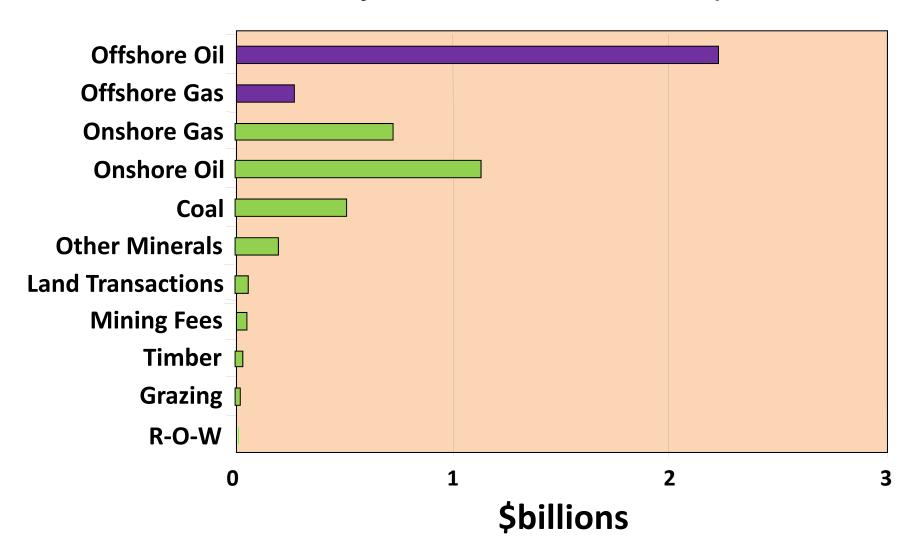
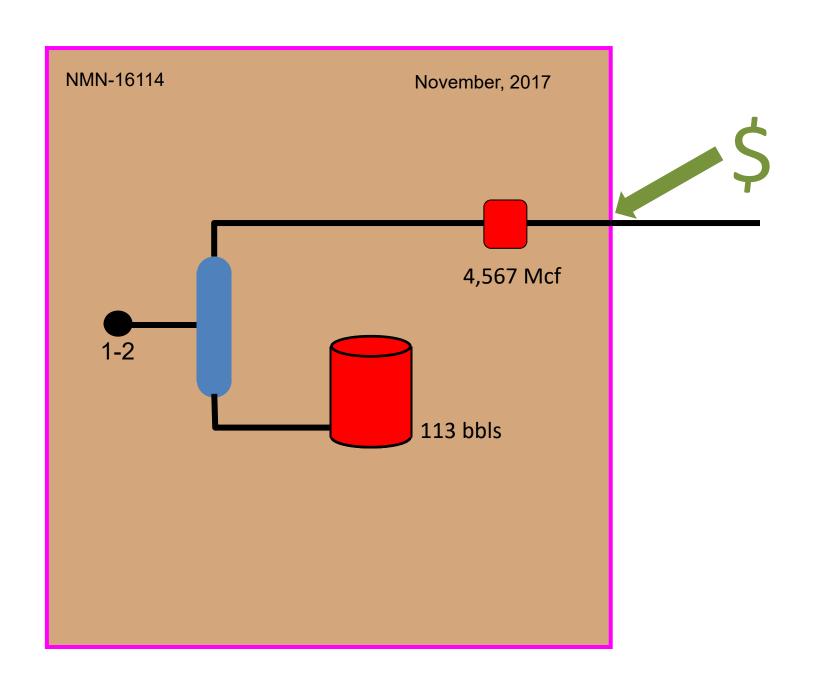


#### Public/Indian Land Revenues, FY2016

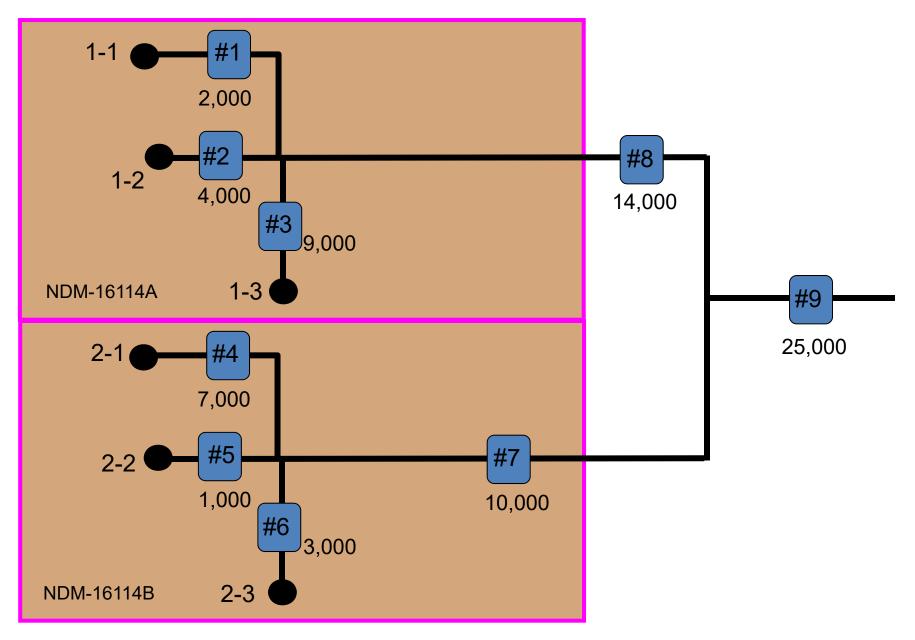


# Mineral Leasing Act of 1920 (as amended

Royalty is due on the amount or volume of oil and gas removed or sold from the lease [CA or PA]



Month of: June 2017

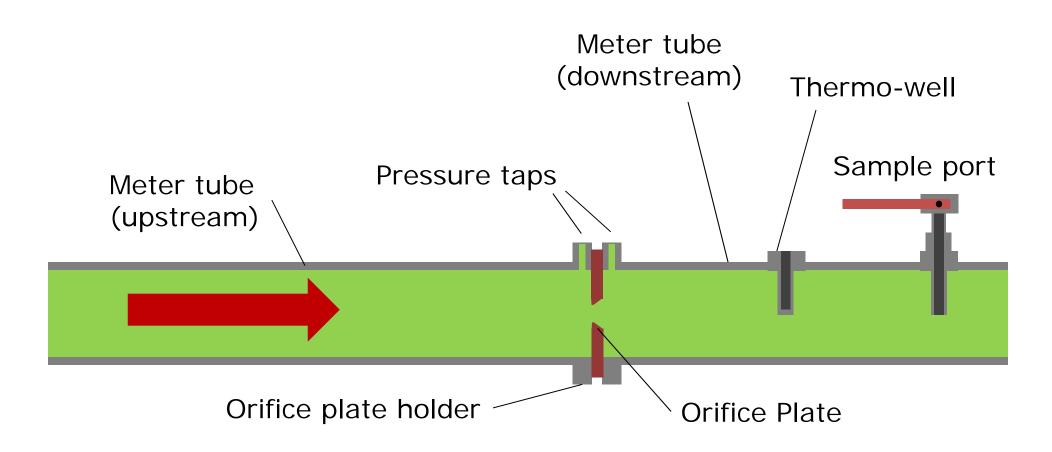


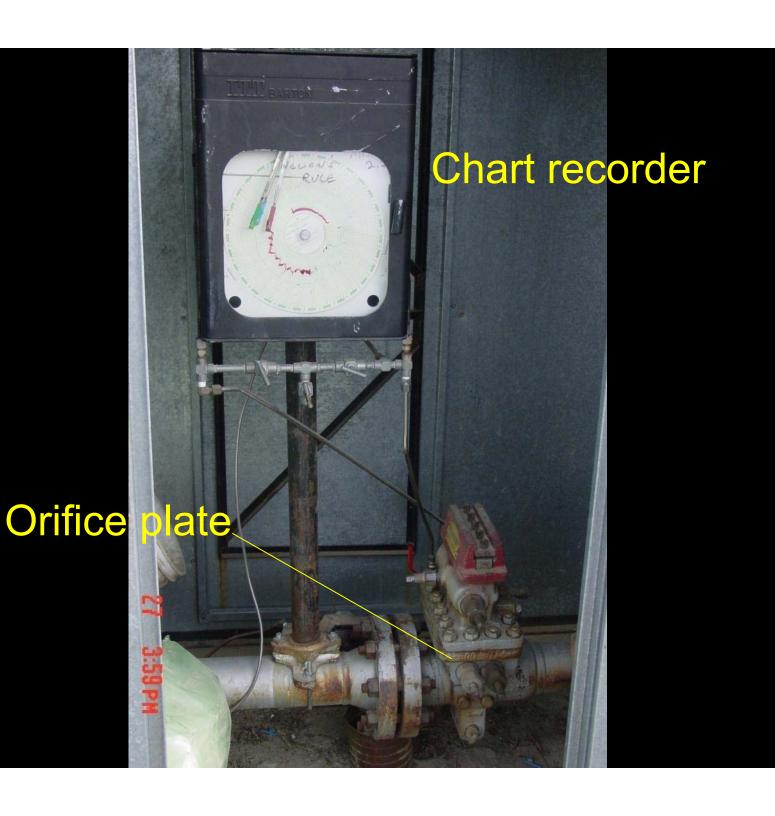


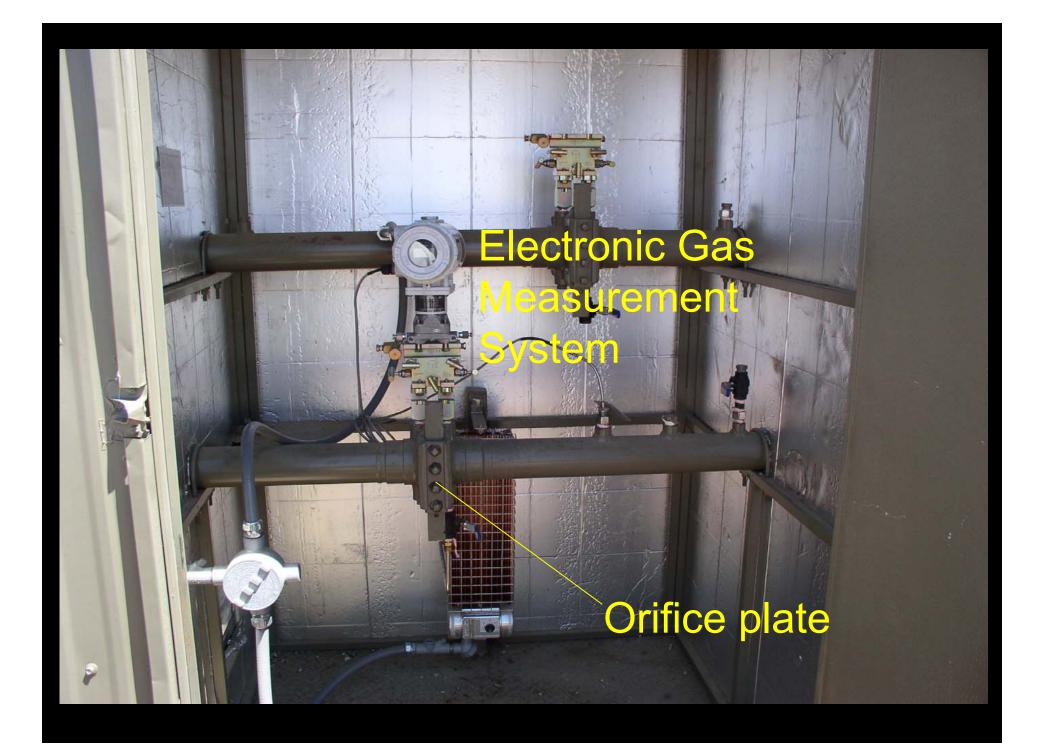




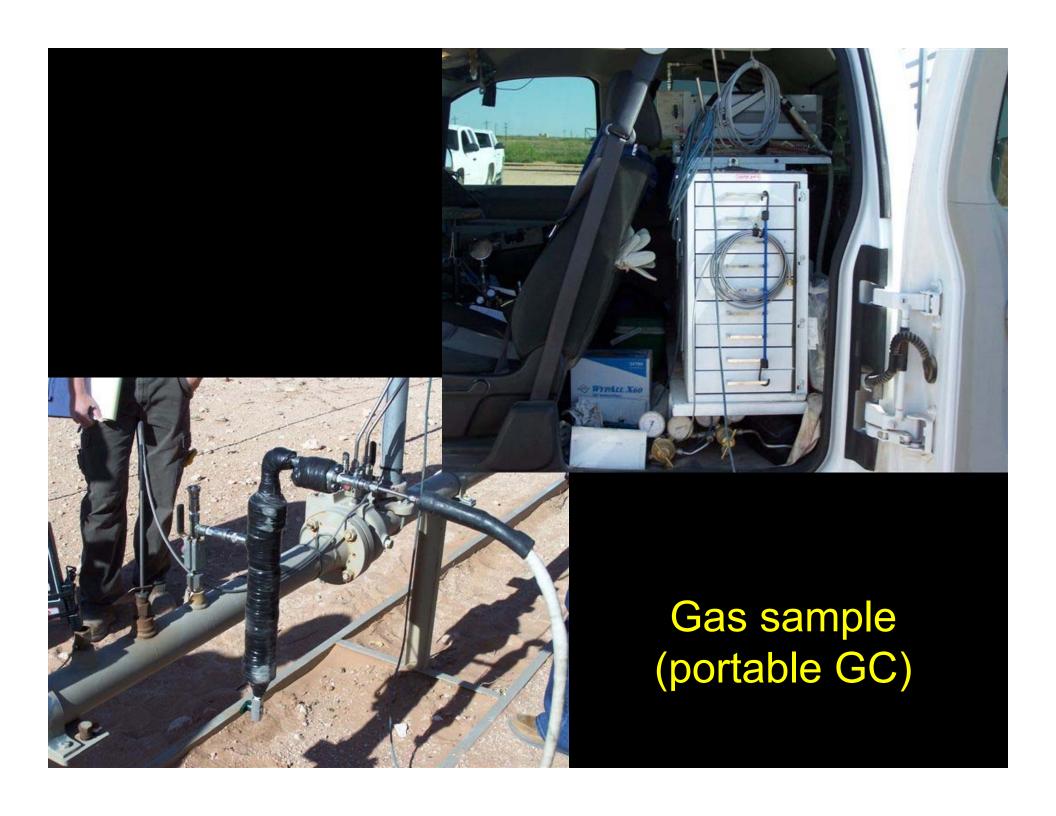
## Orifice Meter (Primary Device)











### What is Department of Interior's role?

Ensure that the American public, Indian tribes, and Indian allottees receive a fair royalty in exchange for the production of our/their oil and gas

### What is the BLM's role?

Ensure the quantity and quality of oil and gas removed of sold from Federal and Indian leases is accurately measured and properly reported

## What is ONRR's role?

- Ensure that value of oil and gas removed or sold from Federal and Indian leases used for royalty determination represents a fair market value
- Collect and distribute royalty

## Onshore Orders 3, 4, and 5

- Published in 1989
- Incorporated industry standards in place in 1989
- "Cookbook" requirements for old technology
- No process for approving new technology
- No performance standards
- Gaps
- OIG, GAO, RPC

# In the old days... (1989-2016)

## Federal Oil and Gas Royalty Management Act of 1982 (FOGRMA)

#### Regulations (43 CFR subpart 3162.7)

- Measurement on lease (unit, CA), unless approved
- Approval required for commingling
- Gas: orifice meters, unless otherwise approved
- Oil: tank gauge or PD meter, unless otherwise approved

# In the old days... (1989-2016)

Federal Oil and Gas Royalty Management Act of 1982 (FOGRMA)

Regulations (43 CFR Part 3160)

Onshore Order 3 (Site Security)

Onshore Order 4 (Oil Measurement)

Onshore Order 5 (Gas Measurement)

## As of January 17, 2017...

Federal Oil and Gas Royalty Management Act of 1982 (FOGRMA)

Regulations (43 CFR Part 3170)

Subpart 3170 (overall definitions, recordkeeping, variances)

Subpart 3173 (site security, commingling, FMP, off-lease measurement)

Subpart 3174 (oil measurement)

Subpart 3175 (gas measurement)

## As of January 17, 2017....

Federal Oil and Gas Royalty Management Act of 1982 (FOGRMA)

Regulations (43 CFR Part 3170)

Subpart 3178 (Royalty-free use)

Subpart 3179 (Waste prevention)

Notices to Lessees (NTL)

Written Orders

Variances, Conditions of Approval

#### Onshore Order 3 vs 3173

#### **Onshore Order 3**

Seal requirements
Site facility diagrams

#### **3173**

Seal requirements
Site facility diagrams

**FMPs** 

Commingling

Off-lease measurement

Hot oiling and water draining

End of month inventory

#### Onshore Order 4 vs 3174

#### **Onshore Order 4**

Applies to sales and allocation Incorporates pre-1989 stds.

Manual tank gauging
LACT with PD meter
Proving
ATG/ATC required
Variance for new tech.

#### <u>3174</u>

Applies to FMPs Incorporates latest stds. Manual tank gauging LACT with PD meter **Proving** Temperature averager 1-time approval for new tech. Automatic tank gauging LACT with Coriolis Stand-alone Coriolis Performance goals BLM-approved equipment

#### Onshore Order 5 vs 3175

#### **Onshore Order 5**

Applies to sales and allocation Incorporates AGA 3 (1985)
Exemptions for <100 Mcf/day
Orifice plates only
Chart recorders
Calibration/verification
EFCs under State NTLs
1 requirement for Btu
Variance for new tech.

#### <u>3175</u>

Applies to FMPs Incorporates latest stds. 4 tiers of requirements Orifice plates Charts (< 200 Mcf/day) Calibration/verification **EGMs** Entire section on Btu 1-time approval for new tech. Testing protocols Performance goals BLM-approved equipment

# Changes to Enforcement Regulations

- BLM can now take enforcement action against "any person", rather than just an operator
- "Any person" includes purchasers and transporters (recordkeeping only) and contractors
- BLM does not have the ability to implement this change currently
- Immediate assessments for specific violations

## Implementation and Timing

- Rules became final on November 17, 2016
- Rules became effective on January 17, 2017
- Any FMP that was installed after January 17, 2017 must comply with 3173, 3174, and 3175 upon installation
- For oil measurement facilities in place before January 17, 2017:
  - 1 to 3-year phase in period based on average oil and gas production from the lease, CA, or PA
  - Phase-in start date delayed until FMP application software is complete

## Implementation and Timing

- For gas measurement facilities in place before January 17, 2017:
  - 1 to 3-year phase in based on 3175 "category":
    - High and very-high volume: Jan. 17, 2018
    - Low volume: January 17, 2019
    - Very-low volume: January 17, 2020
  - Some grandfathering (meter tubes and flow computer software)