Eureka Return to Production
– Nine Years Later

By
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BETA Project

- Located 10 miles of the Coast of Long Beach
- Exploratory wells, core holes, & seismic
- Leased in the 1976
- BETA Unit Formed in 1983
- 4 Platforms in up to 720’ of water
- Southern Most California Offshore Production
BETA History

- Drilling and Production Started in 1980’s
- Over 600 Million Barrels of Oil In Place
- Cumulative Production to Date < 90 MMBO
  - Less Than 15% of OOIP
  - Platform Eureka Shut-in June 5, 1999
- 11-1-06 Pacific Energy Purchase From Aera
- 3-6-07 Pacific Energy Takeover of Operations
BETA Operations

Platform Eureka
60 Well Slots
10 Empty

Platform Ellen
80 Well Slots
17 Empty

Platform Elly
Processing
EUREKA RTP

- **Short Term**
  - Utilize Existing 10” and 6” Lines for Limited Production
    - On Production late 1st Quarter 2008
    - Limited production of 1,000 to 2,000 bopd for 1 year
    - No Water Injection

- **Intermediate Term**
  - Sleeve 12” Line
    - Add Production 1st Quarter 2009
    - Increase production up to 4,000 bopd
    - Implement Water Injection

- **Long Term**
  - Permit and Lay New Eureka Lines
    - Get Full Eureka Production of 5,000 bopd
    - Ability to increase production through development drilling of PUD’s
BETA Projects

- September 07 - 16” Oil Pipeline Inspection
- October 07 - Transformer Repairs
- January 08 - 6” & 10” Intra-Field Lines Inspected
- February 08 - Facility Improvements
- April 14, 2008 - Eureka Production Start-up
- To Date – Over 130,000 Bbls Oil Production
BETA Pipelines

- September 07 - 16” Oil Pipeline Inspection
  - July 07 Failed UT Inspection
  - September 07 Successful UT Inspection
  - September 07 Failed MFL Inspection
  - October 07 Successful MFL Inspection

- January 08 - 6” & 10” Intra-Field Lines Inspected
  - Successful 6” MFL Inspection
  - Successful 10” UT Inspection
BETA Pipelines

- EUREKA
  - 6” Gross
  - 10” Gas
  - 12” Idle

- ELLY
  - 6” Oil
  - 16” Oil Sales

- ELLEN
  - 6” Oil

- EDITH

BETA Station
BETA Projects

- **October 07 - Transformer Repairs**
  - Main Transformer Short
  - Multiple Secondary Transformer Shorts
- **February 08 - Facility Improvements**
  - Eureka Fitness for Use
  - Elly Preparation for Additional Fluids
Eureka Fitness For Use

- Process Hazard Analysis
- Updated P&ID’s
- Topside Inspection
- UT Inspections of Critical Piping
- Hydrotesting
- Piping & Equipment Replacement
- Corrosion Monitoring
BETA Production

- April 14, 2008 - Eureka Production Start-up
  - Goal was March 31, 2008
  - 8 weeks short of 9 years
- To Date – Over 130,000 Bbls Oil Production
  - 6 wells on production
  - Averaging just under 1,000 bopd
- Preparations to Start Additional Wells
BETA Production

Oil (Bbls/month)

Date

Jan-86 Jan-90 Jan-94 Jan-98 Jan-02 Jan-06 Jan-10

Projected Prod

OIL
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Thank You

Questions