International Paper

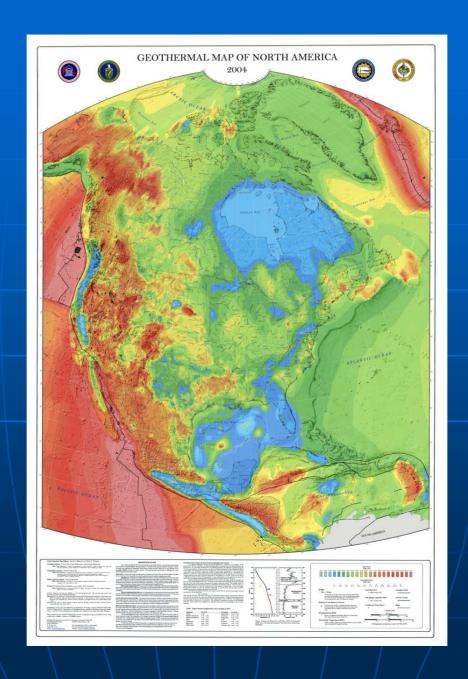
MINERAL RESOURCES
Houston, Texas

Geopressure/Geothermal Resource Opportunities

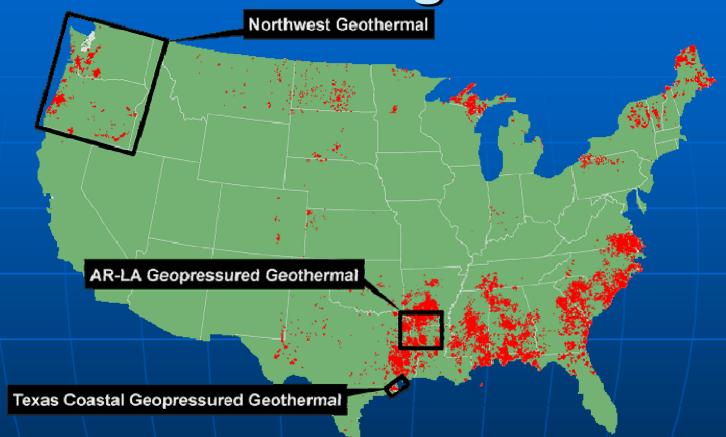
Geothermal Resource Development

Why International Paper?

- International Paper has acquired minerals primarily as land & timber acquisitions have occurred over the past 105+ years.
 Within the Forest Products sector, IP has been a leader in the minerals business. (Oil &Gas, coal, coalbed methane, geothermal, industrial minerals, aggregates, metals, etc).
- 1975 IP acquired General Crude Oil Company, an Oil, Gas & Minerals Company formed in 1926 located in Houston, TX. Purpose was to acquire a business entity with professional minerals management staff.
- IP Mineral Resources has operated under various names over the years (GCO Minerals, IP Petroleum, IP Petroleum & Minerals).
- IP has controlled over 16.5 Million acres of mineral estate historically.
- IP is poised to capitalize on retained high value mineral estate.



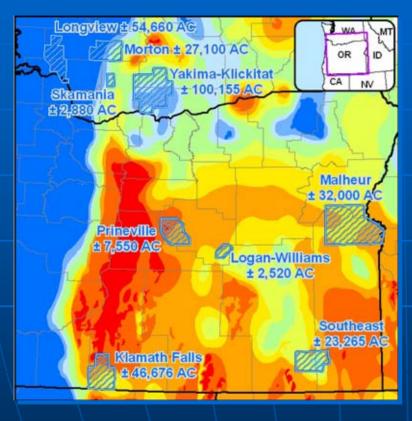
Focus Regions

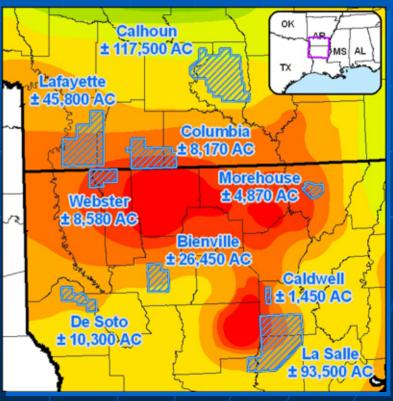


> 3.5 MM AC of Geothermal Mineral Estate

- •715,000 AC: Identified as Areas of Interest
- •435,400 AC: Actively Promoting (Prospects)
- 55,000 AC: Proven Resource

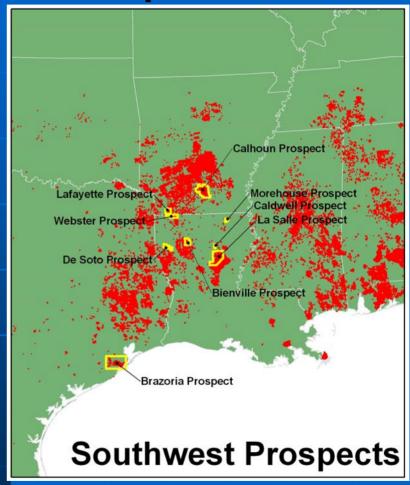
www.IPMineralResources.com





Geothermal Prospects



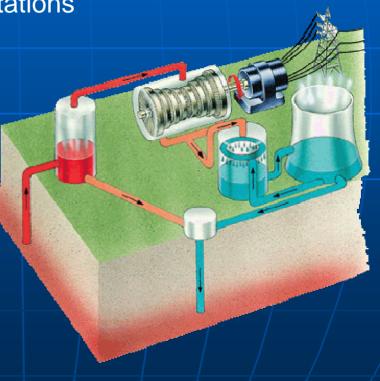


33 Geothermal Areas of Interest Identified
18 Geothermal Prospects
Information available at booth

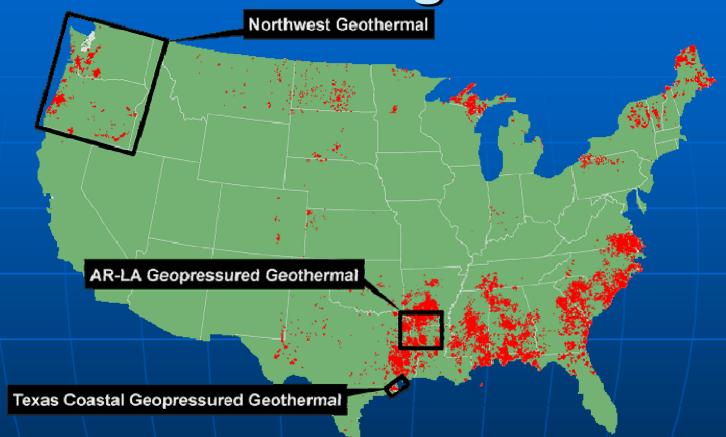
Development Focus

Northwest Geothermal Resources

- 1. Existing interest and development
- 2. Effective existing implementations
- 3. Current production
- 4. Established Opportunity
- 5. Reduced exploration risk



Focus Regions

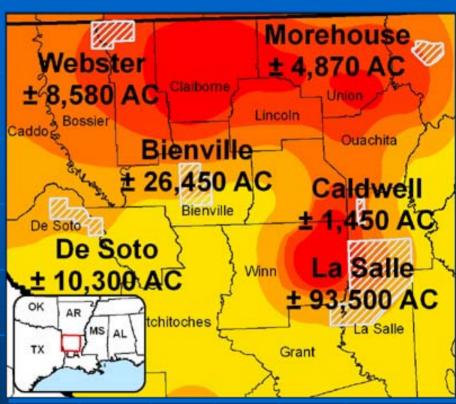


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Pleasant Bayou (Proven Geopressure Resource)





Northern Louisiana (Geopressure Region)

Development Focus

Southwest Geopressured Geothermal Resources

- Multiple energy sources (geothermal & entrained gas)
- Multiple revenue streams
- Hospitable political environment
- Private resource ownership
- Deregulation/competition
- Transmission accessibility
- Local Industry sales
- Permitting

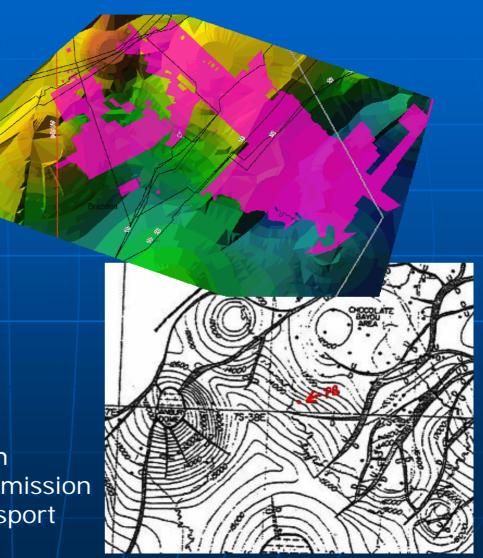
Pleasant Bayou 1MW Plant



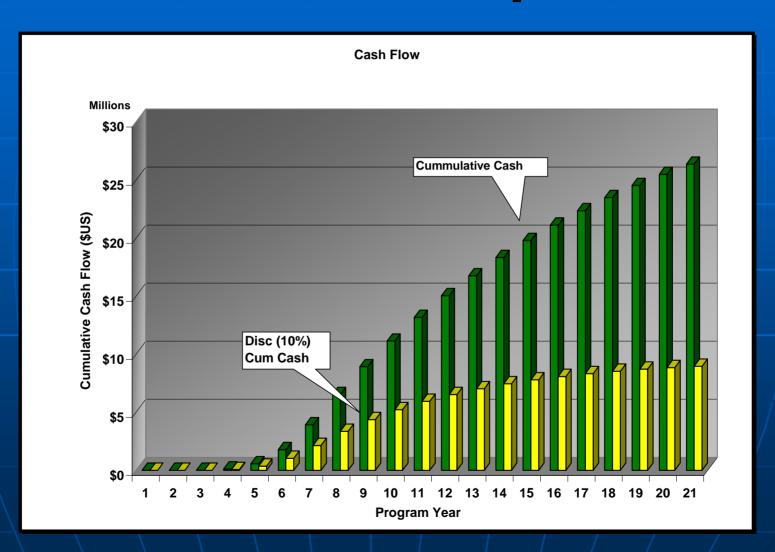
Brazoria Prospect

Pleasant Bayou #2

- Produced 1988-1992
- > 16,465 ft
- > 9800 psi
- > 302° F (BH)
- > 272° F (WH)
- Salinity: 127,000 ppm TDS
- Gas/Brine Ratio: 24 scf/stb
- Max Flow Rate: 25,000 BPD
- Methane: 85 (mol%)
- > CO2: 10 (mol%)
- Other Gases: 5 (mol%)
- ➤ Porosity: 19%
- Permeability: 200 mD
- Plugged at various depths
- Numerous wells in area at depth
- Close proximity to electric transmission
- Close proximity to pipeline transport

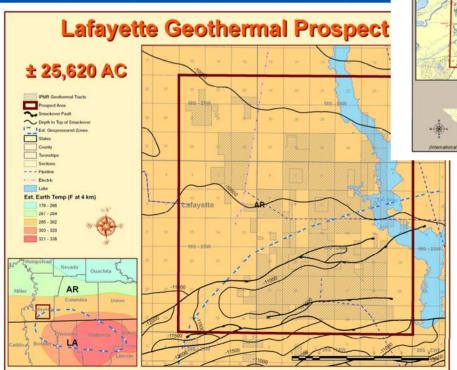


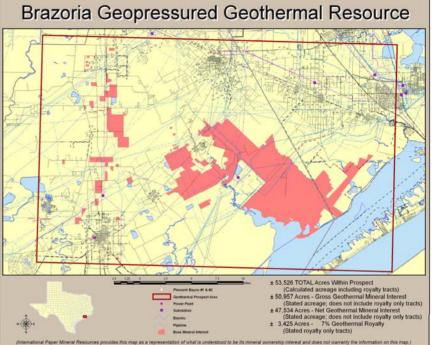
Brazoria Prospect



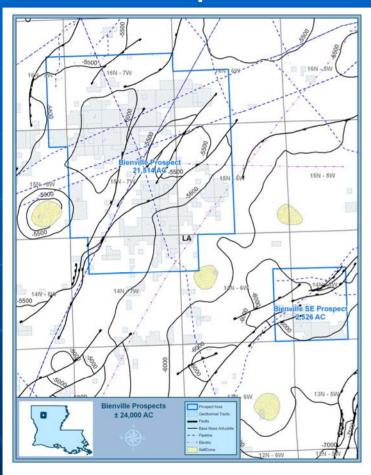
Brazoria Prospect

Lafayette Prospect

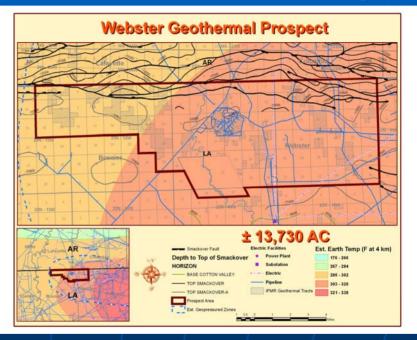




Bienville Prospect



Webster Prospect



Prospect Development

Temperature Composition Permeability Heat Flow

Analyze Geologic
Characteristics

Identify Contiguous Tracts Mineral Estate Current Activity Historical Leases Royalty Interest

Location
Depth
Status
Production
E-logs

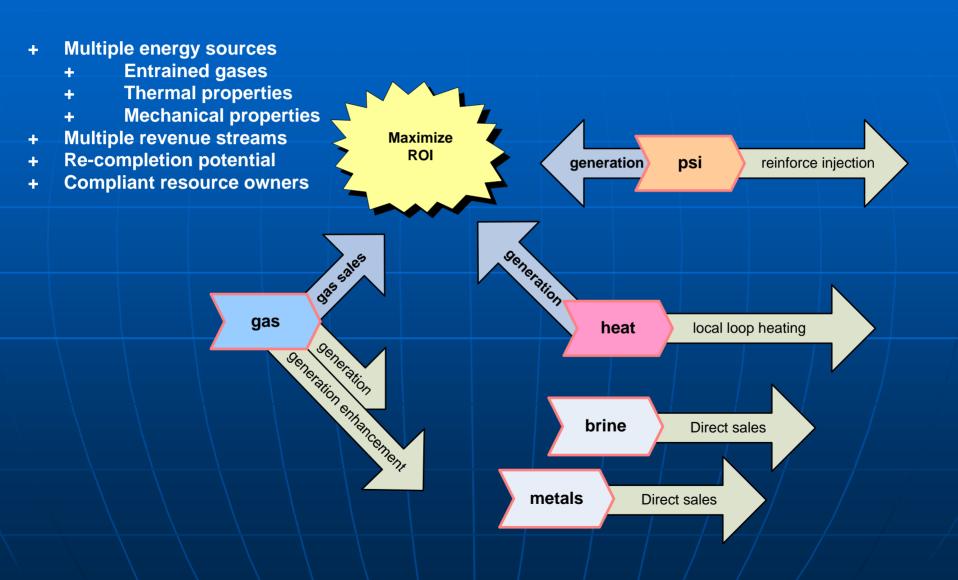
Identify Wells Proximity Analysis

Parks
Pipelines
Transmission
Industry
Easements

Identify Viable Regions

SMU
USGS
DOE
Industry Data
Exploration Activity

What does the Southwest offer?



What we look for...

- Partnership
- Viable business models
- Geotechnical data sharing
- Aggressive resource development
- Solid financial commitments

How we structure deals...

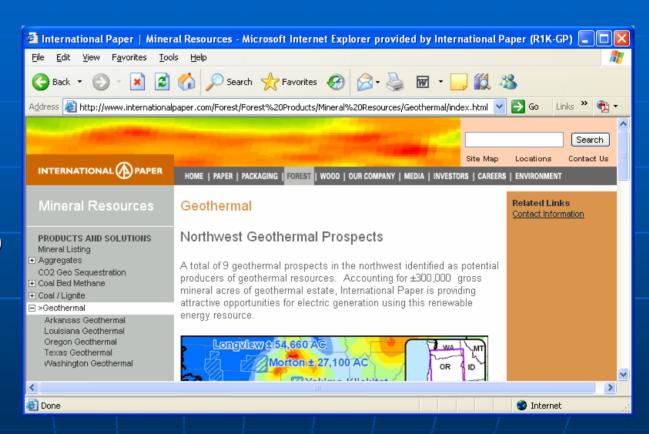
- 1. Under Confidentiality Agmt
- 2. Option Agreement

(Data Sharing or Payment for Exclusivity)

- 3. Lease Agreement Variations
 - a. Annual Per AC Lease Payment
 - b. Modest Drilling Bonus
 - c. Committed, Aggressive Exploration
 - d. Limited Term
- 4. Royalty on Production
- 5. Passive JV Role

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