



Coal Seam Gas Use Greenhouse Gas Emissions Reduction



Minera del Norte

Mario Alberto Santillan Gonzalez

Registered

CDM | CC:INet | TT:Clear

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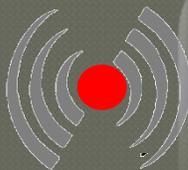
Your location: Home > Project Cycle Search

15:50 16 Oct 13

- Registered

This interface provides information on the last 15 CDM project activities that have been registered by the CDM Executive Board. CDM project activities registered earlier are accessible through the Project Search interface.

Registered	Title	Host Parties	Other Parties	Methodology *	Reductions **	Ref
16 Oct 13	Mimosa Coal Mine Methane Project	Mexico		ACM0008 ver. 7	295168	3751
03 Oct 13	Guanaquitas 9.74 MW Hydroelectric project	Colombia		AMS-I.D. ver. 16	20149	3816
12 Aug 13	El Fraile Small Hydro Power Plant	Panama		AMS-I.D. ver. 17	14011	9439
09 Aug 13	Mulei County Yuanheng Coal Chemical Industry Co., Ltd. Semi-coke Waste Gas for Power Generation Project	China	Netherlands	ACM0012 ver. 4	406447	7106
08 Aug 13	Tianjin Guanzhuang Municipal Solid Waste Incineration Project	China	Netherlands	ACM0022	62699	9378
06 Aug 13	Natural Gas Based Combined Cycle Power Generation, at Kothapeta, East Godavari, Andhra Pradesh, India.	India		AM0029 ver. 3	1351965	6506
29 Jul 13	Piasa Bagasse Cogeneration	Mexico	France	ACM0006 ver. 12	46728	7937
26 Jul 13	Guizhou Wujiang Shatuo Hydropower Project	China		ACM0002 ver. 13	2642739	9309
15 Jul 13	Hernic's Electricity Generation from Waste Gas Project	South Africa		ACM0012 ver. 4	152290	8956
11 Jul 13	Biogas recovery from wastewater treatment in Hargy Oil Palms Ltd Palm Oil Mill.	Papua New Guinea	Australia	AMS-III.H. ver. 16	35725	9168
09 Jul 13	Substitution of coal with alternate fuels at Lucky Cement Limited, Karachi Plant	Pakistan	Switzerland	ACM0003 ver. 7	191542	8780
08 Jul 13	Fukang 33MW CMM Based Electricity Generation Project	China	United Kingdom of Great Britain and Northern Ireland	ACM0008 ver. 7	643042	7938
28 Jun 13	Fuxin Coal Mine Methane Utilization Project	China	Switzerland	ACM0008 ver.	479051	9200



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CMM CoalMine Methane

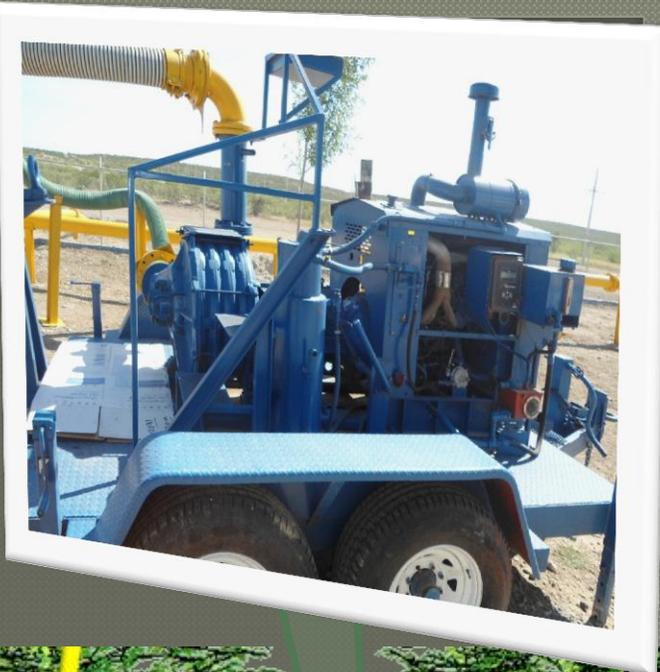
Use the gas from the mine



Flares



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Flaring system

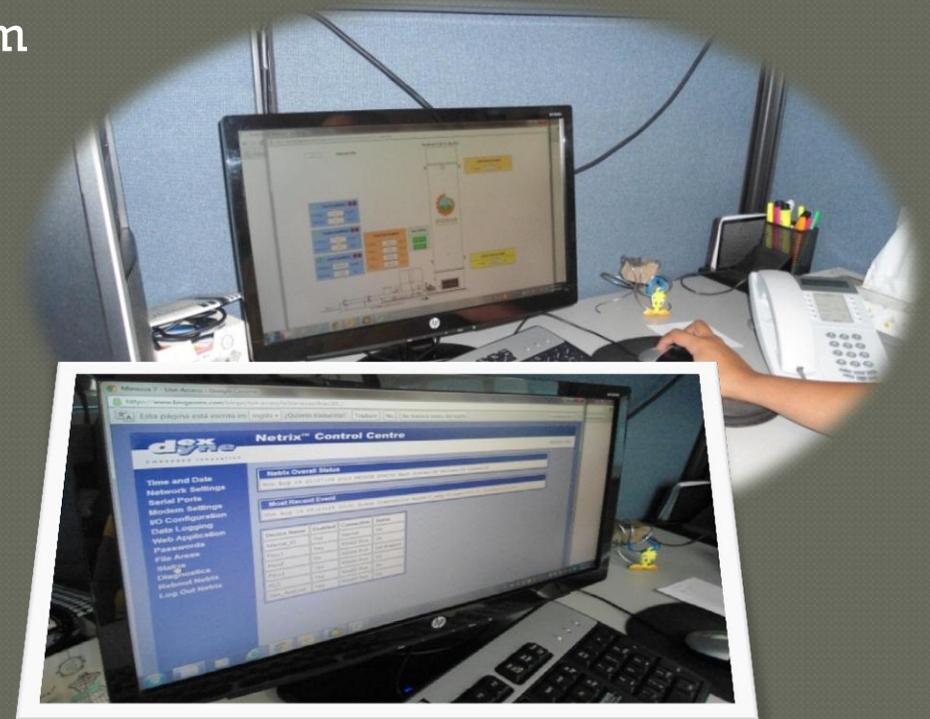
Well Service

KSD Pump

NO CAVAR
DUCTOS DE GAS METANO
ASOCIADO AL CARBON

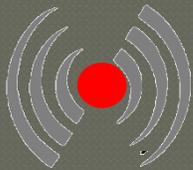
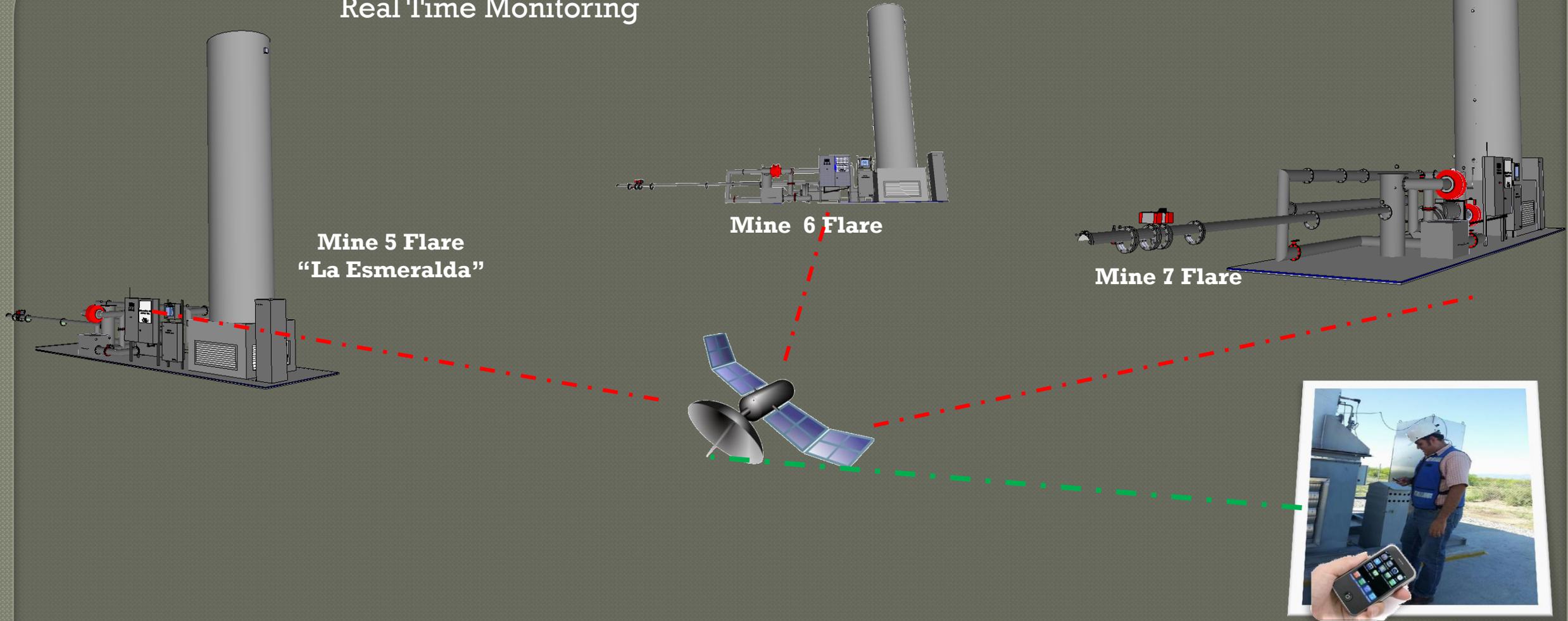
CoalMine Methane

- ▶ Real Time Monitoring
- ▶ Real-time monitoring via an Internet connection from Headquarters
- ▶ The measurement parameters and functions are:
 - ▶ Gas flow entering the flare
 - ▶ Temperature of the stack flare
 - ▶ CH₄ % and Oxygen %
 - ▶ Data record every 15 minutes
 - ▶ Check that the measurement systems emit values.



CoalMine Methane

Real Time Monitoring



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CMM CoalMine Methane

Second phase



Power Generation



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CMM CoalMine Methane

Use the gas from the mine:

Power Generation

- First stage 1.113 MW
- Second phase 6.95 MW.
- Generate 7.95 MW with
- 3 power generators on Mine V,
- 2 in Mine VI
- and 2 in Mine VII.



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VAM (Ventilation air methane)

Use the gas ventilation from the mine



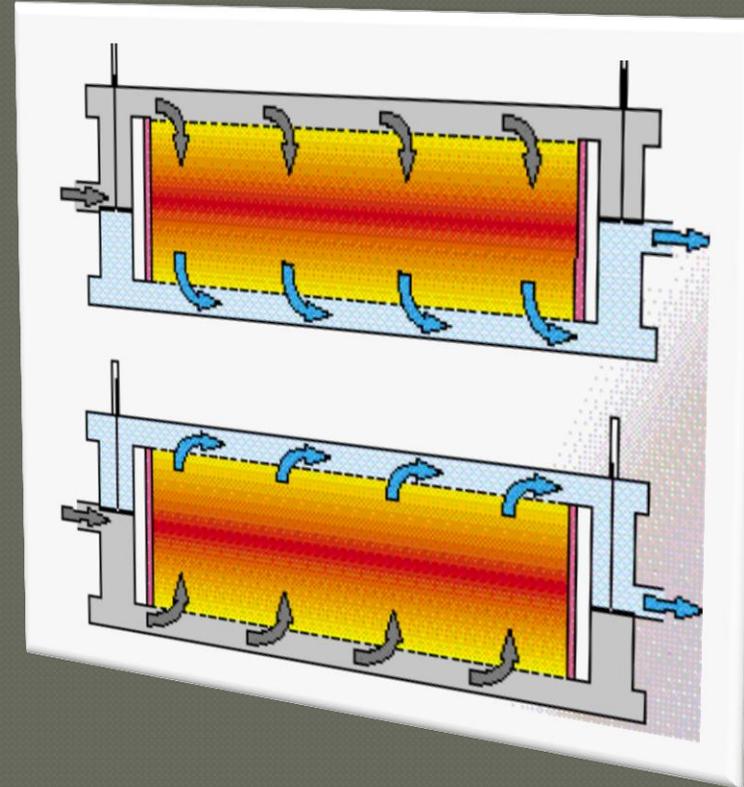
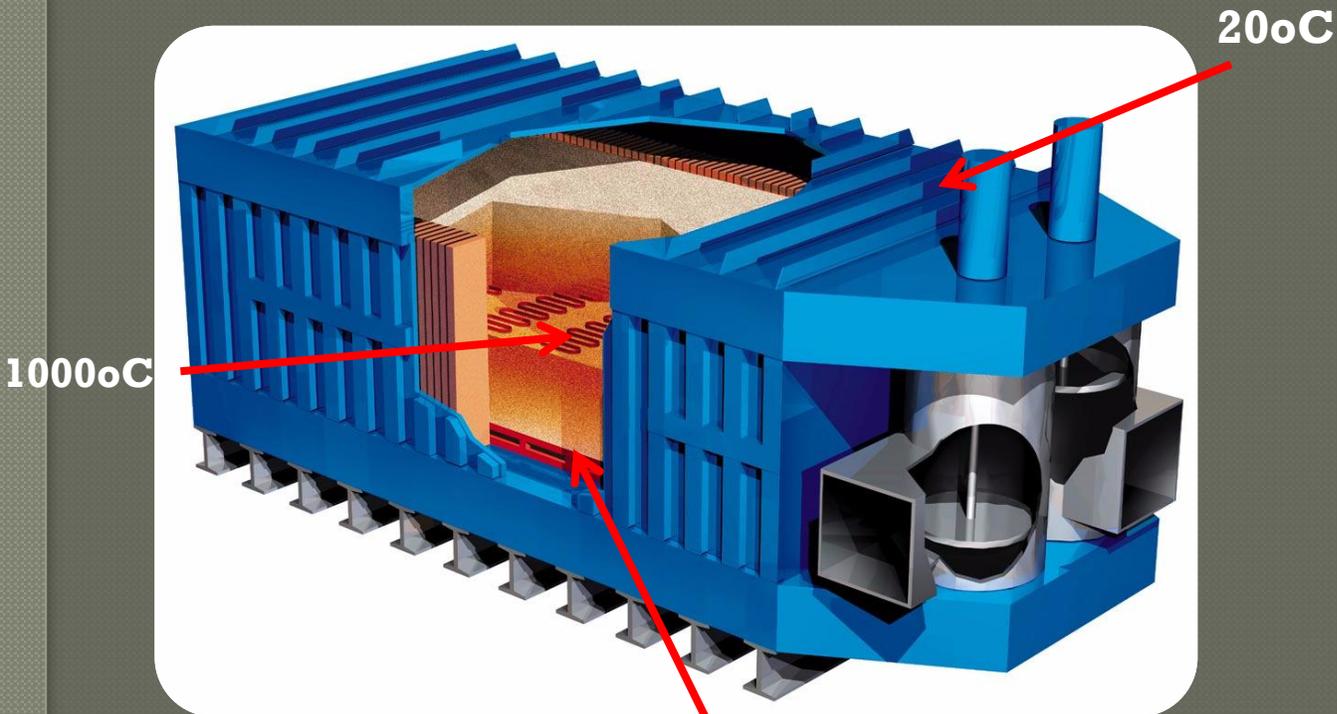
VAM



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VAM (Ventilation air methane)

Using the gas extracted in ventilation

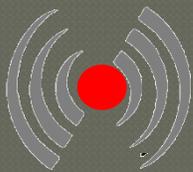


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The VAM Project (Ventilation air methane)

- 4 PDD's ready for validation at the United Nations.
- Validation Contract (Proposal DNV)
- Generate more than 100 megawatts



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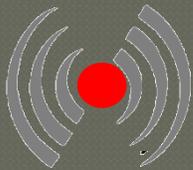
CBM Coalbed Methane
**Metano en Mantos de
Carbón**



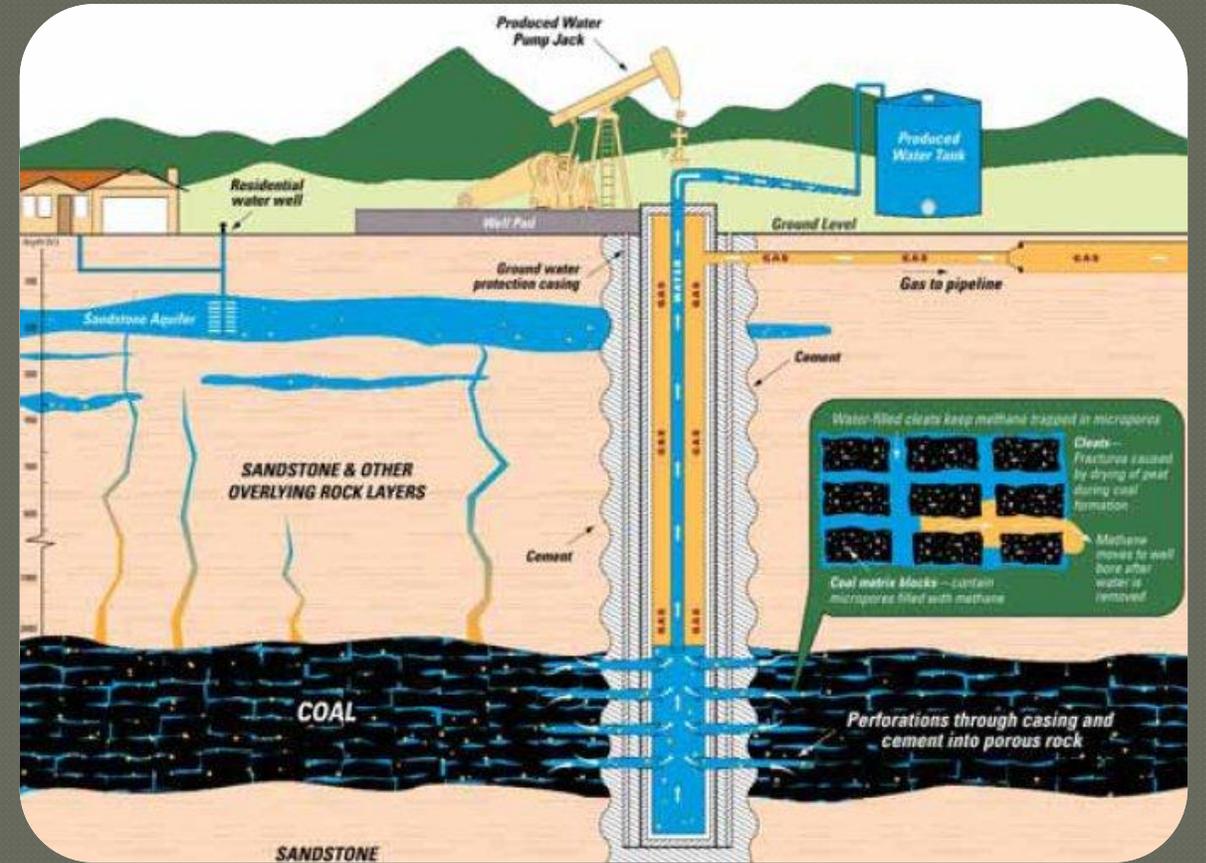
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CoalBed Methane CBM

- The CBM project (Coalbed Methane), involves extract the gas associated with coal deposits that have not yet been mined.
- Objectives:
 - Outgas the coal seams before mining and minimize the risk of accidents when operating,
 - Besides using the methane is hosted at depths that are currently are not mineable.

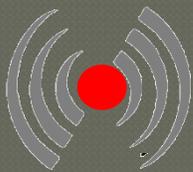
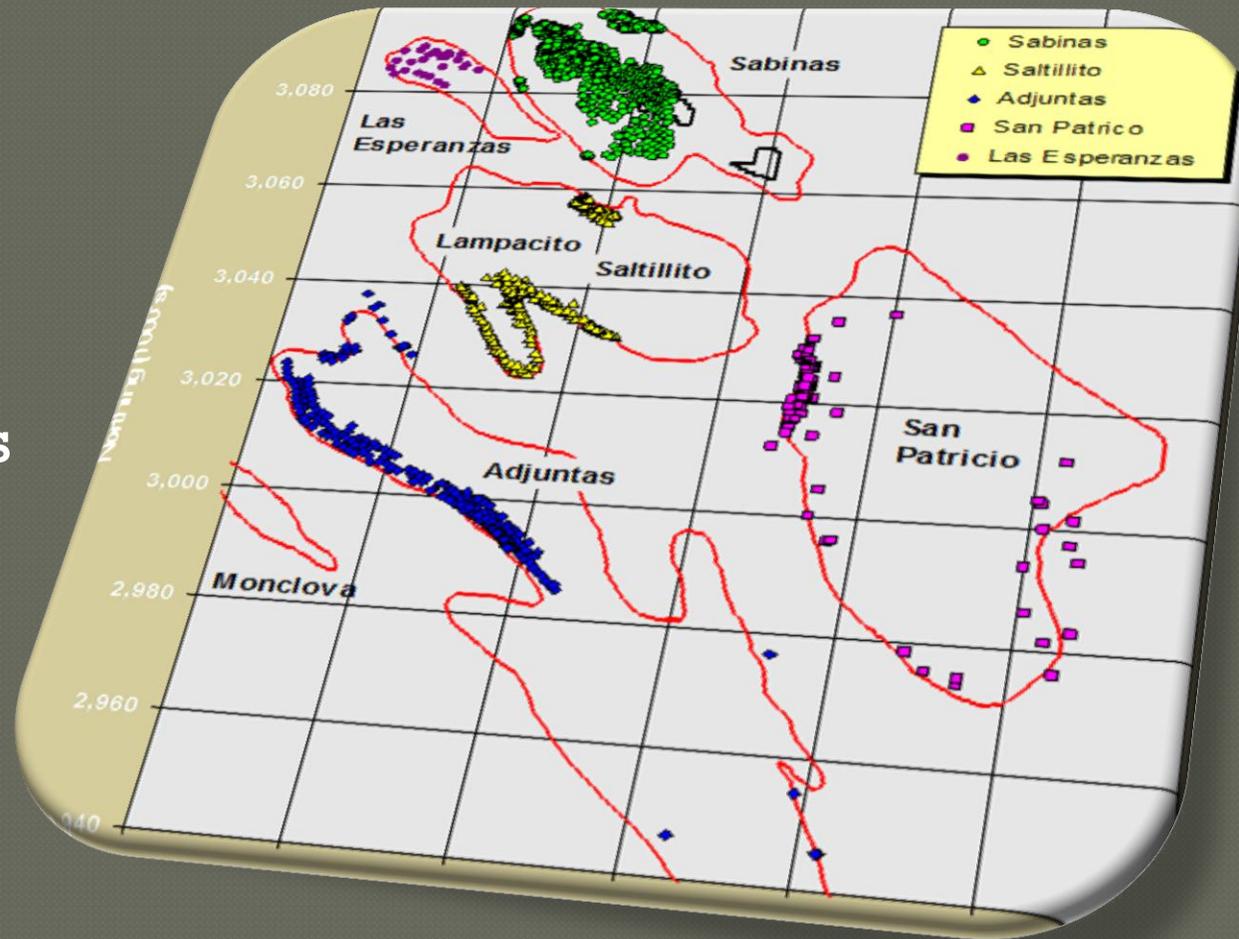


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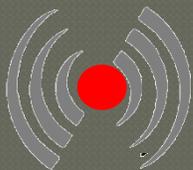
MINOSA Data

- Gas Prospecting
- Exploratory Wells
- Gas Reserves



○ **Goals of the First Expo Forum Energy Coahuila 2014:**

1. Discuss the legal framework for energy reforms.
2. Provide a platform for both Texas and Mexico's energy sectors to stand together on one platform for mutual understanding and growth.
3. Discover key opportunities for energy-related firms.
4. Analyze the future prospects of the energy sector.
5. Explore the potentials of wealth, which have been opened by new legislations last year, and new reforms to be imposed later this year.
6. View Mexico and Texas as states of one of the most exciting destinations for technology, and as business leaders of the energy sector



Sen. David Penchyna Grub / Chairman of the Energy Committee of the Senate / Mexican Senate



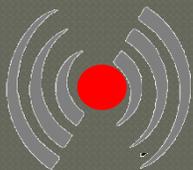
Constitutional Governor of the State of Coahuila , Ruben Moreira Valdez

Mexico's exchange to launch platform for carbon trading

In any case, participants of projects to generate credits such as the U.N.'s Clean Development Mechanisms (CDM) think there will be demand for credits by companies that will prefer to hand them over to the government instead of paying the carbon tax.

There are some 210 Mexican projects currently in the CDM pipeline. They could earn more than 200 million credits by 2020, according to UNEP Risoe data.

The carbon tax bill went back to the lower house for a new vote, due to changes made by senators in other parts of the fiscal reform. If approved, it will be sent to the president to be signed into law.



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The Mexican Stock Exchange

promotes the

Mexican Carbon Platform



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La Embajada Británica en México, Grupo Bolsa Mexicana de Valores y PNUMA tienen el honor de invitarlo al lanzamiento de:

MÉXICO₂

Plataforma Mexicana de Carbono²

El primer mecanismo de intercambio de bonos de carbono y campañas socio ambientales en nuestro país.

“Un sitio para inversiones con retorno verde”

Con la Participación de:

Dr. Luis Téllez
Director de la Bolsa Mexicana de Valores.

Juan José Guerra Abud
Secretario del Medio Ambiente y Recursos Naturales.

Duncan Taylor
Embajador del Reino Unido en México.

Dolores Barrientos Alemán
Representante del PNUMA en México.

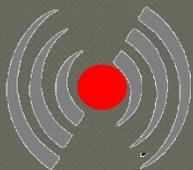
Favor de confirmar su asistencia
Julia Romero R.
contacto@mexico2.com.mx
(56) 5128 2068
(56) 5128 2021

Auditorio de la Bolsa Mexicana de Valores
Martes 26 de noviembre, 8:30 hrs.
Paseo de la Reforma #255
Col. Cuauhtémoc, México D.F.

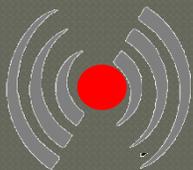


Conclusion

- **AHMSA may credit Carbon bonds to mitigate the impact of environmental tax, through the development of emission reduction projects in accordance with the Kyoto Protocol and the launch of Mexico2, will be easier.**
- **The start of power generation is planned for 2014. first phase, then 2015**
- **The VAM project is developed in parallel and results are expected in 2014-2015.**
- **Energy Peña Nieto Reform, it's ready we have a legal framework clear to develop the natural gas into the coal seam, just active mines.**
- **Ahmsa's has asked for the first contract to utilize the gas (CBM, VAM and CMM) under the NAC. Or CNH and SENER.**



Gracias ¡



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