

Smart Solutions for Today's Geoscientist



BLOCK: SOHBAT PUR (2868-8)

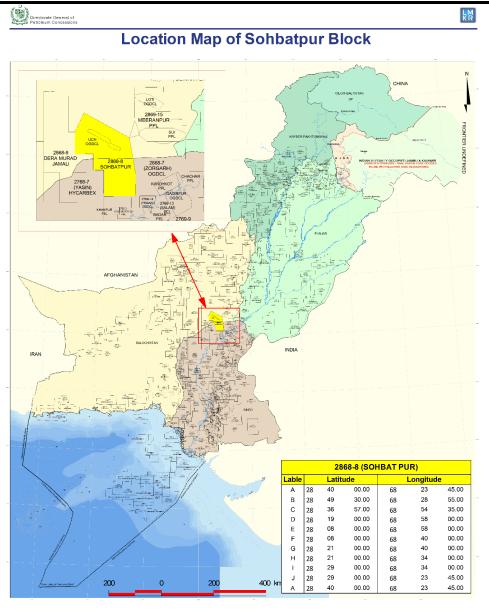
ONSHORE BLOCK BIDDING ROUND 2025

MINISTRY OF ENERGY PETROLEUM DIVISION (DGPC)

Introduction

SOHBAT PUR Block covers an area of 2,497.50 Sq. Kms.

- Location: Dera Bugti, Nasirabad, Jaffarabad, Kashmore, Jacobabad and Shikarpur districts, Pakistan.
- Geological Basin: Suleiman Foldbelt, Pakistan.
- The block falls in Prospectivity Zone III.
- Estimated Resources of the Central Indus Basin:
 - Oil: 2880 million barrels
 - Gas: 69.12 trillion cubic feet
- OMV, HYC, PPL, MGCL, OGDCL, PKP-GHA, AMOCO acquired approximatel 1833 L. Kms of 2D seismic data in the block within the years 1975, 1978, 1986, 1989, 1991, 1992, 1995, 1996, 1997, 1999, 2000, 2007, 2015, 2016, 2017 and 2019.
- The Block is surrounded by Zorgharh-II (East), Zin (North), Yasin (West) and Khanpur (South) blocks.
- 42 wells drilled in the vicinity includes UCH Deep-01, UCH Deep-1A, UCH-01 etc.

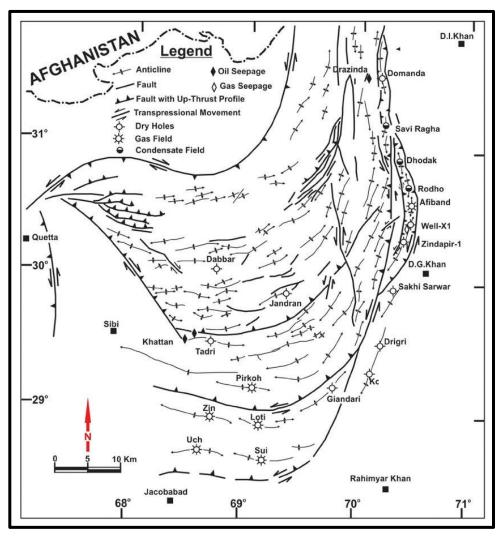


2868-8 (SOHBAT PUR)		Available Data		Total Area (Sq. Kms)	Area by District	Percentage %	Districts
Zone	ш	2D Seismic (L.Kms)	1809.00		840.17	33.64	Dera Bugti
Grid Area	33.15	3D Seismic (Sq.Kms)	NA]	21.64	0.87	Nasirabad
Province	Balochistan	No. Wells	2	2,497.50	593.97	23.78	Jaffarabad
					147.24	5.90	Kashmore
					892.50	35.74	Jacobabad
					1.98	0.08	Shikarpur



Geological Map

- Sohbatpur block lies in Southern part of the Sulaiman Foredeep.
- Marwat and Khisore Ranges appear in the north- eastern part of the block.
- Pezu and Bhitanni ranges are in the north of the block.
- Rocks ranging in age from Permian to Recent are exposed in the block.
- The oldest rocks exposed in the north-eastern part of the block are Amb and Wargal Formations of Permian age.



Petroleum System

Source Rocks:

Sembar Formation (Cretaceous) and Intra-Formational Shale units are the source rocks in the area.

Reservoirs:

Pirkoh (Late Eocene), Habib Rahi(Middle Eocene), Sui main Limestone (Eocene) and first three sand intervals of Lower Goru Formation (Early Cretaceous) are reservoirs of the area.

Seal:

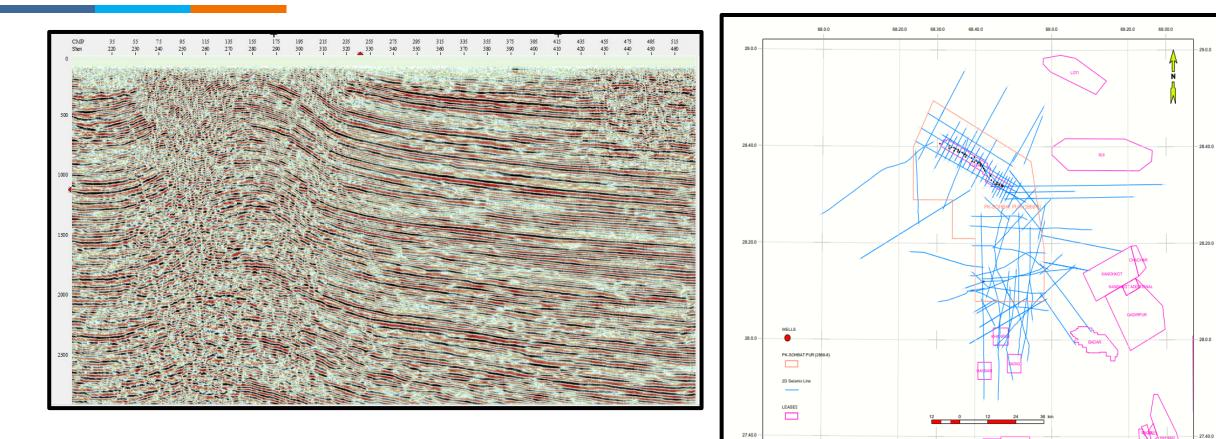
 Upper Goru Formation (Cretaceous), Ghazij Shale (Eocene) along with Sirki Shale (Eocene) acts as a seal.

Trap:

• Fault bounded anticlinal traps are present in the area.

		neralized St					i	
Era	Period	Epoch	Formation/ Member		Lithology	Source	Reservior	Seal
	Neogene	Miocene- Pliocne	Midd Sivaliks Fowe					
	Paleogene	Oligocene			•••••			
Cenozoic		Eocene	Laki/ Ghajiz	Drazinda Pirkoh Sirki Habib Rahi Baska Druq Ghazij Shale Suj Shale Suj Shale				
		Paleocene	Dunghan Ranikot					shales
	Cretaceous	Late	Pab _{Mughalkot/Fort} Parh				Sands Carbonate	ational S
		Early	Goru	Upper Lower		Proved	Sands	Intra Formational Shales
			Sembar					
Mesozoic	Jurassic	Late Middle	Chiltan			Probable	Carbonate	Tight Zon
		Early	Shirinab/ Loralai					
	Tria	ssic	Wulgai / Allozai					
Paleozoic Probable deposition				Lithology ?				
Legend								

Prospectivity



68.0.0

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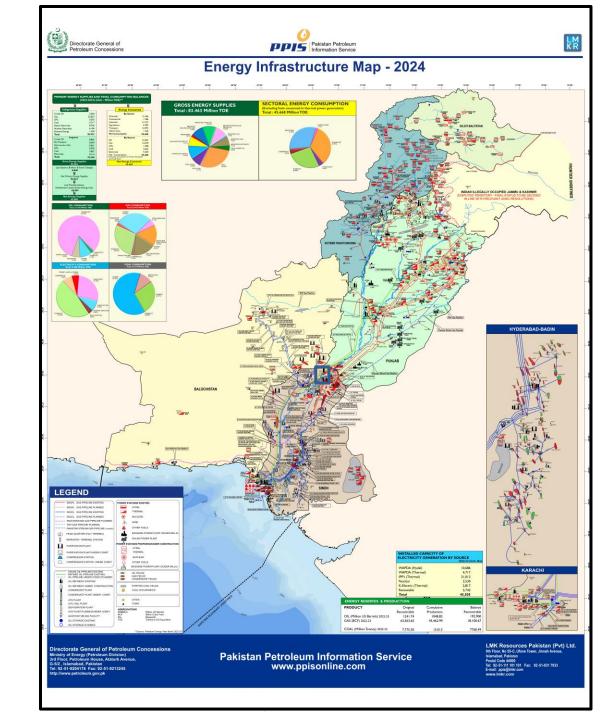
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- The main trapping mechanism in this area is pinch out as revealed by seismic and anticlinorium structural feature.
- Nearby Blocks shows successful gas discoveries.
- High Resolution seismic section reveals the stratigraphic and structural



Infrastructure Map

- Government support to companies for infrastructure development.
- Gas fields exist near the block.
- SSGCL gas pipeline exists within the block.
- Purification plant exists within the block.
- Thermal power plant exists near the block.
- Oil storage exist near the block.





Investment Benefits

- Low risk, high reward.
- Prolific gas discovery in the basin.
- High cost on infrastructure development within limited timeframe.
- Return on Investment within 3 years.
- Attractive government policies for foreign investors.
- Excellent purchase rate set by the Government against the discovered commodity.
- Government will guarantee to buy the gas or oil discovered.
- Attractive price in case of tight gas discovery.



Block Summary

Item	Indicators			
Probable multiple sources in the region	Positive Indicator			
Discoveries in Geological Basin	Positive Indicator			
Nearby Infrastructure	Positive Indicator			
ROI in 3 Years	Positive Indicator			







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