

10 MILLION TON/YEAR

4



**MANGISTAU
BEKET-ATA NEFTE COMPLEX**



CONCEPTUANAAL DESIGN PRESENTATION

PROJECT SUMMARY

Refineries in Kazakhstan			
Showing	Pavlodar	Shymkent	Atyrau
Capacity of primary oil refining, MT/yr	7.5	7.5	5.2
Year placed into operation	1978	1984	1945
Personnel	2,837	1,775	2,080
Capacity of main technological processes, MT/yr			
Primary refining	7.5	7.5	5.2
Catalytic cracking	2.0	*	-
Catalytic reforming	1.0	1.0	0.3
Hydrofining of fuels	2.6	2.6	-
Hydrofining of catalytic cracking feed	2.4	-	-
Vacuum distillation of fuel oil	4.0	4.0	1.5
Coking	0.6	0.6	0.7
Coke calcination	0.12	-	0.14
Production of bitumen	0.5	-	-
Production of sulfur	0.02	0.005	-
Degree of refining, %	80	68	56



PUBLIC RELEASE-DISIRIBUTION UNLIMITED



Rev-3					
Rev-2					
Rev-1					
Rev	Description	Date	Name	Check	
	Date	Drawn	Check	Appr.	Scale
	24 JUL 2015	O.SONGUR	E.SIDOROV		N/S

		<p>PROJECT SUMMARY</p>						
<p>This document containing confidential information and is the property of PAKPAS GROUP and can not be reproduced or used without PAKPAS's written consent.</p>	Job No	Page	Symbol	Unit No	Cat	Type+Format	Serial No	Rev
	1458	1/1	DWG	00	A	UD	0100.1	4



Aktau
Cities in Kazakhstan

In 1963, the settlement of Aktau received town status. The city is a major oil and gas production center, and is known for its unique heated oil pipeline. Galleries of petroglyphs from the age of nomads (10th-2nd centuries B.C.) have been found on great mounds in the heart of the peninsula, as well as a necropolis with grave markers decorated with complex ornamentation. Two ancient underground mosques, built a thousand years ago, were discovered near Ungazy mountain. The most interesting of these two is Shahbagota mosque, because though Islam banned the portrayal of people or their body parts, on the walls of this mosque, surrounded by lotus blossoms, is a painting of a man's palm.

The population of Aktau is around 175,000. It is one of the most prosperous towns in this part of Kazakhstan, built in the 1960s on Mangyshlak peninsula. It is the center of the Kazakh oil and gas industry and a Caspian seaport. The only nuclear power station in the country was built not far from Aktau, which also famously powers the city's desalination plant. Some interesting places: underground mosques (10th-12th c.), necropolis (9th-19th c.) on the territory of which there are many stone statues, Beket-Ata necropolis, mausoleums, excavations of Kuskuduk (an ancient settlement on the territory of Kazakhstan), the territory of the ancient town of Kzyl-Kalda (10th-12th c.), the town of Fort Shevchenko (construction began in the 18th c.), Karagie hollow, 132 m below sea level and the 3rd deepest depression in the world, Mangystau desert, and of course the Caspian Sea.



Mosque Beket-Ata.

Beket-Ata

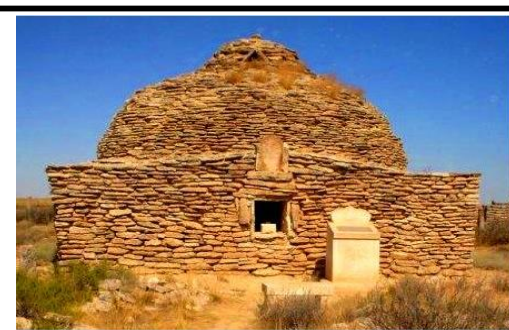
Beket-Ata was an important Sufi scholar who founded several underground mosques and a madrasa in the Mangistau region of Western Kazakhstan. His burial place, the underground Oglandy mosque, has become an important pilgrimage site for Kazakh Muslims.

Golbonshe with which beautiful panoramas on the north and on the south open. On a way visiting of mountain Sakartau which is to the right of road. From height Golbonshe the magnificent kind on the south - on mountain Bokty which alone towers in the middle of a huge cretaceous hollow opens. Before turn on northeast to mosque Beket-Ata on the right there is far below a well-known natural boundary Boszhira. Soon the road turns on the north and results us in natural boundary Oglandy. After visiting mausoleum Oglandy-Ata it is gone down on steps from shelly plates to underground mosque Beket-Ata. The distance from descent from a plateau up to an underground mosque makes about 1 kilometer of 200 meters, on time it borrows from 25 till 30 minutes. Difference on height from edge of a plateau (precipice) of Ustyurt up to mosque Beket-Ata makes about 200 meters. Visiting of mosque Beket-Ata. Walk to the most ancient necropolis which is below a mosque about 300 meters. Under legends, Beket-Ata veins in cretaceous rooms its habitation consisted of kitchen and two rooms cut down in a rock. Returning to top mosque Beket-Ata (45 minutes). A fine ornament of a trip to underground mosque Beket-Ata can be meetings with Ustyrt moufflons which have chosen to itself natural boundary Oglandy, here moufflons they live and are made reproduce under protection sacred Beket-Ata. Visiting of top mosque Beket-Ata, tea drinking. Transfer to Aktau (277 km).

<http://silkadv.com/en/content/shopan-ata-and-beket-ata>



Through this arch the path goes to underground mosque Shopan-Ata.



Vicinity of necropolis Sisem-Ata.

Rev-3					
Rev-2					
Rev-1					
Rev	Description	Date	Name	Check	
	Date	Drawn	Check	Appr.	Scale
	1 APRIL 2016	O.SONGUR	E.SIDOROV		N/S

AMR ASIA MINERAL RESOURCE

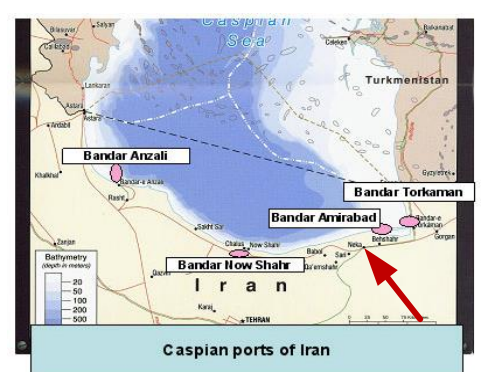
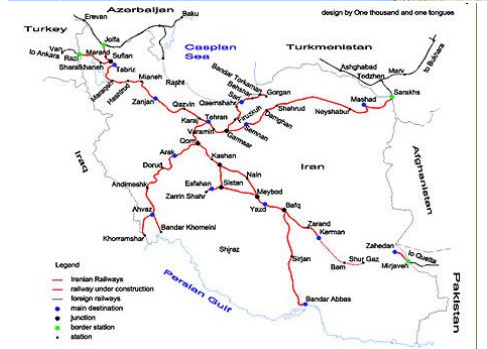
BASE MINERAL RESOURCE LTD

This document containing confidential information and is the property of PAKPAS GROUP and can not be reproduced or used without PAKPAS's written consent.

PROJECT SUMMARY

REAN COMMODITY DMCC

Job No	Page	Symbol	Unit No	Cat	Type+Format	Serial No	Rev
1458	1/1	DWG	00	A	UD	0100.0	4



https://en.wikipedia.org/wiki/Iranian_Offshore_Oil_Company
[#/media/File:CIAlranKarteOelGas.jpg](#)



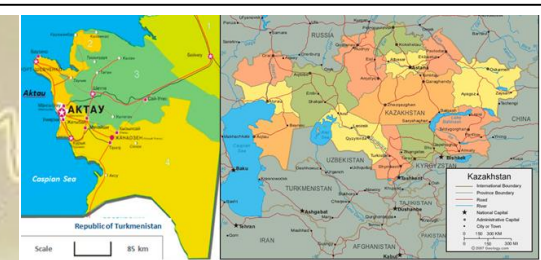
<http://www.technologystudent.com/joints/plastic3.html>



VIA NEKA-TABIZ PIPE LINE TO TABIZ
 TABIZ-BANDAR ABBAS BY RAILWAY
 OR NEKA SWAP BANDAR ABBAS



10 MIO BARRELL
 STORAGE CAPACITY



BEKET-ATA REFINERY 200,000 BPSD
 FIRST STAGE

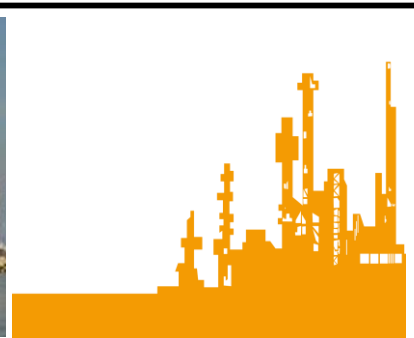


BEKET-ATA REFINERY AKTAU-ASTRAKHAN
 VOLGA RIVER OLYA TERMINAL BY TANKER

NEKA MARINE OIL TERMINAL IRAN
 FIRST STAGE 50,000 TPD



<http://www.cut.nazwa.pl/ptg/konfer/2007/abstracts/3b.htm>



Rev-3					
Rev-2					
Rev-1					
Rev	Description	Date	Name	Check	
	Date	Drawn	Check	Appr.	Scale
	24 JUL 2015	O.SONGUR	E.SIDOROV		N/S

ASIA MINERAL RESOURCE
AMR

BASE MINERAL RESOURCE LTD

This document containing confidential information and is the property of PAKPAS GROUP and can not be reproduced or used without PAKPAS's written consent.

PROJECT SUMMARY

REAN COMMODITY DMCC

Job No	Page	Symbol	Unit No	Cat	Type+Format	Serial No	Rev
1458	1/1	DWG	00	A	UD	0100.3	4