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SHEBERGHAN GAS GENERATION ACTIVITY (SGGA)

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SGDP Monthly Drilling Operations Progress Report (Mod 3, Section F, Deliverable 24)

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Table of Contents

Monthly Drilling Operations Progress Report.....	1
1 SGDP Gas Field Operations.....	2
1.1 Activity during the Reporting Period.....	2
1.2 Critical Milestone(s) Achieved During This Reporting Period.....	3
1.3 Critical Milestone(s) Projected During Next Reporting Period.....	3
1.4 TPAO Road Progress.....	3
1.5 TPAO Project Equipment.....	4
1.6 Security Updates during This Reporting Period.....	5
1.7 Primary MoMP Staff Supporting SGDP.....	6
1.8 Primary SGGA Staff Supporting Drilling Operations.....	7
2 SGDP Schedule and Financial Milestones.....	7
2.1 Key Contract Dates and Estimated Completion.....	7
2.2 TPAO Well Status – Technical.....	8
2.3 TPAO Work Schedule – “☒” Marks Present Progress.....	8
2.4 SGDP Drilling Contract Value and Funding Allocation.....	9
2.5 SGDP Invoicing Status.....	9
3 Implementation Letter Status.....	9
3.1 USAID – Ministry of Finance (MoF) – MoMP IL Tracker.....	9
4 Drilling Operations Summary.....	10
4.1 TPAO’s Contract Performance Schedule.....	10
4.2 TPAO’s Well Sequence.....	10
4.3 TPAO’s Lack of Responsiveness to Schedule Problems.....	10
4.4 Despite Continuing Problems, Progress Was Made This Period.....	11

List of Figures

Figure 1: Road Work in Progress	1
Figure 2: Road Resistance Test	1
Figure 3: Inspection of Bashikurd Well # 9	1
Figure 4: Technical Water Reservoir near Bashikurd Well #1.....	1

List of Tables

Table 1: Road Work from Old Military Camp to Bashikurd 3 (3+500 Km).....	3
Table 2: Road Work from Old Military Camp to Bashikurd 9 (5+500 Km).....	4
Table 3: Equipment for Camp and Staff Movement.....	4
Table 4: Equipment for Site Location and Road Construction	4
Table 5: Equipment for Backup Forces.....	5
Table 6: TPAO's Security Staff for Camp Office	5
Table 7: TPAO's Security Staff for Site Location and Road Construction.....	5
Table 8: TPAO's Backup Force	6
Table 9: Primary MoMP Staff Supporting SGDP	6
Table 10: Primary SGGA Staff Supporting Drilling Operations	7
Table 11: Key Contract Dates and Estimated Completion.....	7
Table 12: TPAO Well Status.....	8
Table 13: TPAO's Unapproved "Revised" Fourteen Month Work Schedule	8
Table 14: SGDP Contract Amount and Funding Allocation	9
Table 15: SGDP Invoicing Status	9
Table 16: USAID – MoF – MoMP IL Tracker	9

Acronyms and Abbreviations

AK-47	Avtomat Kalashnikov-47 (7.62mm firing assault rifle)
APA	Afghanistan Petroleum Authority
cm	Centimeters
CRA	Corrosive Resistant Alloy
DG	Director General
DM	Deputy Minister
ICB	International Competitive Bidding
IL	Implementation Letter
Km	Kilometer
m	Meter
M ³	Cubic meters
MoF	Ministry of Finance
MoMP	Ministry of Mines and Petroleum
N/A	Not Applicable
NEPA	National Environmental Protection Agency
No	Number
Qty	Quantity
RPG	Rocket Propelled Grenade
SGDP	Sheberghan Gas Development Project
SGGA	Sheberghan Gas Generation Activity
TBD	To Be Determined
TPAO	Turkish Petroleum Corporation
US\$	United States Dollar
USAID	United States Agency for International Development

Monthly Drilling Operations Progress Report

Sheberghan Gas Development Project (SGDP)

A USAID – MoMP “On-Budget” Funded Program

Figure 1: Road Work in Progress



Figure 2: Road Resistance Test



Figure 3: Inspection of Bashikurd Well # 9



Figure 4: Technical Water Reservoir near Bashikurd Well #1



The SGDP is funded via United States Agency for International Development (USAID) Implementation Letter (IL) 45-01 dated May 29, 2012, with a projected end date of April 30, 2015. Under Phase I of SGDP, the Ministry of Mines and Petroleum (MoMP) on December 14, 2013, awarded a United States Dollar (US\$) (financial information omitted “on-budget” contract to Turkish Petroleum Corporation (TPAO). The contract will be funded jointly by USAID and MoMP. As provided in the IL, this contract requires TPAO to drill one new well, Juma 2A and re-enter two wells, Bashikurd 3 and 9 in the Juma-Bashikurd Field in Jawjzan Province. The Sheberghan Gas Generation Activity (SGGA) is responsible to monitor SGDP progress as USAID’s implementing partner. This report is required under SGGA Modification 3, Deliverable 24, “monthly report on progress and Quality Assurance/Quality Control of drilling operations, data collection, contract completion of the gas wells.”

1 SGDP Gas Field Operations

1.1 Activity during the Reporting Period

As of the end of the reporting period, TPAO has consumed 50 percent of the 270 day contract performance period, but have not yet completed the road, well site, and camp civil works required, nor obtained authorization from Turkish authorities to move its drilling rig from Turkey to Afghanistan. Requests by MoMP that TPAO take steps to bring the work into compliance with contract requirements continued to be rebuffed and TPAO continued to insist that it cannot complete the work in less than the fourteen month schedule that it presented after the contract was signed.

Specific work by TPAO during this period:

- As stated in the last monthly report, TPAO 's civil work contractor began physical site work on March 06, 2014, in accordance with their contract scope of work, Page 6, D.1.1. Mobilization: Roads, Camp, Well Locations and will continue into the month of May.
- TPAO's subcontractor continues to operate with approximately seventy workers onsite participating in current road improvement, camp development, and general mobilization logistics.
 - Security for TPAO includes a staff of approximately 123 security guards for the camp, site location and road construction and maintains 43 security staff as a backup force for camp office, staff movement, site location and road construction; they have four armed vehicles, eight pickup jeeps and fifteen motorcycles. They acquired four pickup trucks and six motorcycles for their backup forces.
 - Road construction continues to focus upon improving the road between the old military camp and Bashikurd well #9 and the road between the old military camp and Bashikurd well #3.
 - TPAO has constructed a technical water reservoir next to Bashikurd well #1.
- On April 1, 2014, TPAO responded to Director General (DG) Jumriany's letter of discontent "Response to your letter Contract for services by and between the Ministry of Mines and Petroleum of Islamic Republic of Afghanistan ("MoMP") and Turkiye Petrolleri A.O. (TPAO), dated December 14, 2013, Contract No. MoMP/1344/International Competitive Bidding (ICB)".
- TPAO's cooperation with MoMP and submission of updates has improved. During the reporting period, the following took place:
 - On April 14, 2014, Zabi Sarwari, SGDP Project Manager met with TPAO project manager in Mazar-e Sharif and discussed the list of the recommendations MoMP has submitted to TPAO. TPAO continues to insist on implementation of the unapproved revised fourteen month project schedule submitted by them to MoMP
- On April 15, 2014, Zabi Sarwari, SGDP Project Manager and SGGA engineers had a site visit to the gas fields. TPAO requested new well data and siting instructions for Juma well 2A. Fortunately, by the end of April, MoMP reached a satisfactory conclusion of where to site Juma Well #2A, which is in a location on the Juma side of the fault, closer to Bashikurd Well #3 than originally contemplated, which will require a little less work by TPAO to reach the site, and as a bonus is located far from a village of unknown allegiance.
- On April 21, 2014, DG Jumriany responded to TPAO's letter expressing his disagreement with TPAO's response of the letter "Response to your letter Contract for services by and between the Ministry of Mines and Petroleum of Islamic Republic of Afghanistan ("MoMP") and Turkiye Petrolleri A.O. (TPAO, dated December 14, 2013, Contract No. MoMP/1344/ICB)".
- On April 26, 2014, MoMP received National Environmental Protection Agency (NEPA) certificate of environmental compliance for drilling/re-entering wells.

- MoMP has selected Engineers Sadiq and Safi from Afghan Gas Enterprise to represent the MoMP on the work site. The approval to transfer them from their previous work is presently with Deputy Minister (DM) Harres as of the end of this reporting period.
- MoMP made progress coordinating approvals for TPAO to import perforation explosives and radioactive well-logging isotopes, though significant work remains.

1.2 Critical Milestone(s) Achieved During This Reporting Period

- MoMP received NEPA certificate of environmental compliance for drilling/re-entering wells.
- MoMP reached a satisfactory conclusion of where to site Juma Well #2A, which is in a location on the Juma side of the fault, close to Bashikurd Well #3 than originally contemplated, which will require a little less work by TPAO to reach the site and as a bonus is located far from a village of unknown allegiance.
- MoMP selected two Engineers to represent them onsite with TPAO during drilling operations and DM Harres is in the process of appointing them formally.
- MoMP made unexpected progress coordinating approvals for TPAO to import perforation explosives and radioactive well logging isotopes.
- The road between Old Military Camp and well #9 was paved with two layers of sticky soil mixed with raw gypsum. The thickness of each layer is 30 centimeters (cm), two layers 60 cm. Gravel transported to the road and ready to be paved.
- The road between Old Military Camp and well #3 has been repaired, paved and compacted with one layer (30cm) of sticky soil with raw gypsum.
- The main road from Sheberghan to Old Military has been compacted and the distance is 3.5 Kilometer (km).
- The area around Bashikurd well #9 has been made ready for gravel wearing, installation of the rig and residential facilities for technical crew and security personnel.
- Twenty containers and ten water tanks are loaded to be shifted from Mazar-e Sharif to Sheberghan.

1.3 Critical Milestone(s) Projected During Next Reporting Period

- Road improvement work will continue into May.
- Mobilization to well Juma 2A will continue into May.

1.4 TPAO Road Progress

The following tables show TPAO's road construction progress:

Table 1: Road Work from Old Military Camp to Bashikurd 3 (3+500 Km)

No.	Description	Qty	Remarks
1	Total Length of Road	3.50 Km	Note Applicable (N/A)
2	Clearance Soft Cutting and Grabbing	18375 Cubic meters (m ³)	Done
3	Borrow Material Embankment	19600m ³	Done
4	Pipe Culverts for Drainage	03	Done
5	Drainage Ditch and Slopping	Job	Done
6	Parking Area 4m 100m	Job	Done
7	Gravel Flooring	3150m ³	In Process

Table 2: Road Work from Old Military Camp to Bashikurd 9 (5+500 Km)

No.	Description	Qty	Remarks
1	Total Length of Road	5.50 Km	N/A
2	Clearance Soft Cutting and Grabbing	30800m ³	Done
3	Borrow Material Embankment	30800m ³	Done
4	Pipe Culverts for Drainage	03	Done
5	Drainage Ditch and Slopping	Job	Done
6	Parking Area 4meters (m) 100m	3Job	Done
7	Gravel Flooring	3150m ³	Pending

1.5 TPAO Project Equipment

Table 3: Equipment for Camp and Staff Movement

No.	Description	Qty	Remarks
Vehicles			
1	Armed Vehicles for Staff	4	N/A
2	Pickup Jeeps	3	N/A
Accessories			
1	Bullet Proof Vests	20	N/A
2	Bullet Proof Helmets	20	N/A
3	Mine Detector (Sets)	2	N/A
4	Bomb Dispose Suit	2	N/A
5	Wireless Walky Talky Sets	10	N/A

Table 4: Equipment for Site Location and Road Construction

No.	Description	Qty	Remarks
Vehicles			
1	Pickup Jeeps	5	N/A
2	Motorcycle	15	N/A
Accessories			
1	Bullet Proof Vests	10	N/A
2	Bullet Proof Helmets	50	N/A
3	Mine Detector (Sets)	2	N/A
4	Bomb Dispose Suit	1	N/A
5	Wireless Walky Talky Sets	15	N/A

Table 5: Equipment for Backup Forces

No.	Description	Qty	Remarks
Vehicles			
1	Pickup Jeeps	4	N/A
2	Motorcycle	6	N/A
Accessories			
1	Bullet Proof Vests	10	N/A
2	Bullet Proof Helmets	30	N/A
3	Wireless "Walky Talky" Sets	15	N/A

1.6 Security Updates during This Reporting Period

The following tables indicate TPAO's security staff:

Table 6: TPAO's Security Staff for Camp Office

No.	Description	Qty	Remarks
Personnel			
1	Security Advisor	1	N/A
2	Security Commander	1	N/A
3	Assistant Commander	2	N/A
4	Security Guard with Long Range Weapons	2	N/A
5	Security Guard with Rocket Propelled Grenade (RPG)	2	N/A
6	Security Guards with 7.62mm firing Assault Rifle (AK-47)	10	N/A

Table 7: TPAO's Security Staff for Site Location and Road Construction

No.	Description	Qty	Remarks
Personnel			
1	Security Chief	1	N/A
2	Security Commander	1	N/A
3	Assistant Commander	6	N/A
4	Security Guard with Long Range Weapons	6	N/A
5	Security Guard with RPG	4	N/A
6	Security Guards with AK-47 Assault Rifles	85	N/A
7	Bomb Disposal Technician	2	N/A

Table 8: TPAO's Backup Force

No.	Description	Qty	Remarks
Personnel			
1	Security Commander	1	N/A
2	Assistant Commander	3	N/A
3	Security Guard with Long Range Weapons	3	N/A
4	Security Guard with RPG	3	N/A
5	Security Guards with AK-47 Assault Rifles	33	N/A

1.7 Primary MoMP Staff Supporting SGDP

Table 9: Primary MoMP Staff Supporting SGDP

Job Title	Name	Contributions to SGDP
Minister of MoMP	Mohammad Akbar Barakzai	IL 45-01 Signing Authority
Director General of Afghanistan Petroleum Authority (APA)	Abdul Jalil Ahmad Jumriany	Primary SGDP Decision Maker
SGDP Project Manager	Zabihullah Sarwari	Daily Interface
Senior Assistant to SGDP Project Manager	Zabiullah Jaihoon	Daily Interface
Admin Assistant to SGDP Project Manager	Jawad Zariah	Daily Interface
Finance Assistant to SGDP Project Manager	Farid Karimi	Daily Interface
Admin Assistant to SGDP Project Manager	Allah Mohammad	Daily Interface
Admin Assistant to SGDP Project Manager	Naseer Ahmad Tohfa	Daily Interface
Technical Director	Eng. Amirzada Khosti	Head of APA Technical Authority
On-Site Representative	Eng. Sadiq	Monitor Daily Drilling Operations
On-Site Representative	Eng. Abdullah Safi	Monitor Daily Drilling Operations

Most SGGA interfaces with the APA are conducted with the SGDP Project Manager, Mr. Sarwari, who was appointed on October 2, 2013. Three-party meetings are held monthly to bring together MoMP, USAID, and SGGA staffs to ensure mutual understanding of project goals, recent progress, and future milestones.

1.8 Primary SGGA Staff Supporting Drilling Operations

Table 10: Primary SGGA Staff Supporting Drilling Operations

Job Title	Name	Contributions to SGDP
Chief of Party	Stroud Kelley	Manage All SGGA Activities
Procurement Advisor	Wayne Register	Monitor Contract Compliance
Deputy Procurement-Operations	Naihmatullah Kohsar	Monitor Contract Operations
Deputy Procurement-Administration	Shaista Labib	Monitor Contract Payments
Sheberghan Site Manager	Peet Snyman	Lead of Sheberghan Operations
Senior Engineer	Eng. Zalmi Zalmi	Technical Advisor and Liaison
Well Drilling and Testing	Eng. Big Nazar	Technical Advisor
Drilling Engineer	Eng. Habibullah Mokhlis	Technical Advisor
Geologist	Wahid Qaeym	Technical Advisor

In addition to the SGGA staff listed in Table 10, SGGA has security, administrative, and translation personnel based in Sheberghan, and capacity development programs, translators, security, procurement, and administrative support staff based in Kabul. These personnel provide varying levels of support to the APA for the SGDP operations. Ten SGGA staff have been assigned to full time duty at APA to provide support in several areas, including security management, training, financial tracking of SGDP funds, and Computer-Aided Design capability.

2 SGDP Schedule and Financial Milestones

2.1 Key Contract Dates and Estimated Completion

Table 11: Key Contract Dates and Estimated Completion

Contract Award	Contract Performance Period Ends	TPAO Projected Completion
December 14, 2013	September 10, 2014	February 21, 2015
Current SGGA Forecast of Number of Days TPAO Behind Contract Schedule		
164 Days Behind – Based Upon TPAO's Own Revised Schedule		
Percent of <u>Contract Schedule</u> Elapsed As of March 31, 2014	Percent of <u>TPAO's Revised Schedule</u> Elapsed As of March 31, 2014	
137 Days of 270 = 50% Elapsed	137 Days of 434 = 31% Elapsed	

On January 18, 2013, a little more than a month after signing the contract requiring a 270 day performance period, TPAO submitted to MoMP a new performance schedule which shows completion of drilling operations on January 21, 2015 and demobilization completed on approximately February 21, 2015. Despite numerous efforts to engage TPAO in meetings, with letters, and schedule analysis, they continue to steadfastly refuse to accelerate the project from their revised schedule, which was rejected by MoMP.

2.2 TPAO Well Status – Technical

Table 12: TPAO Well Status

Projected Juma 2A Time	Projected Bashikurd 3 Time	Projected Bashikurd 9 Time
120 Days	45 Days	21 Days
Present Working Depth	Present Working Depth	Present Working Depth
0	0	0
Projected Date of Completion	Projected Date of Completion	Projected Date of Completion
September 15, 2014	November 30, 2014	January 21, 2015
Projected Test Results Available	Projected Test Results Available	Projected Test Results Available
Well Completion Plus 30 Days	Well Completion Plus 30 Days	Well Completion Plus 30 Days

The information contained in Table 12 above is based upon TPAO's revised schedule which extends beyond the contractually required schedule. Preliminary data may be available sooner than forecast, but official reportable data will probably take at least a month beyond completion of each well. TPAO's revised schedule pushes out the earliest realistic well test results into October 2014.

2.3 TPAO Work Schedule – “☒” Marks Present Progress

Table 13: TPAO's Unapproved “Revised” Fourteen Month Work Schedule

TPAO Schedule, January 2014	2014												2015		
	Quarter 1			Quarter 2			Quarter 3			Quarter 4			Quarter 1		
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Well Drilling & Rehab Work															
Preparation Rig & Equipment															
Manufacture of 5 ½" CRA28 Casing															
Shipment of 5 ½" CRA28 Casing															
Road, Site, & Camp Construction				☒											
Mobilization to Juma 2A				☒											
Juma 2A – Drilling & Completion															
Mobilization to Bashikurd 3															
Bashikurd 3 – Drilling & Workover															
Mobilization to Bashikurd 9															
Bashikurd 9 – Re-Entry Well															
Contractor Demobilization															

2.4 SGDP Drilling Contract Value and Funding Allocation

Table 14: SGDP Contract Amount and Funding Allocation

Drilling Contract Value	USAID Funding Share	MoMP Funding Share
\$ (financial information omitted)	\$ (financial information omitted)	\$ (financial information omitted)
Remaining MoMP Funding Share		\$ (financial information omitted)

IL 45-01 is the source of the funding distribution between USAID and MoMP. USAID agreed to provide \$ (financial information omitted) in funding and MoMP agreed to an additional \$ (financial information omitted) in contingency funding. Nearly all contingency funding was required to award the original contract. This leaves only about \$ (financial information omitted) of the original project contingency funding available in the event contract modifications are required for any reason.

2.5 SGDP Invoicing Status

Table 15: SGDP Invoicing Status

Invoice #	Invoice Received	Invoice Amount	Invoice Paid
TPAO - 1	TBD	\$(financial information omitted)	TBD
TPAO - 2	TBD	\$(financial information omitted)	TBD
TPAO - 3	TBD	\$(financial information omitted)	TBD
TPAO - 4	TBD	\$(financial information omitted)	TBD
TPAO - 5	TBD	\$(financial information omitted)	TBD
TPAO - 6	TBD	\$(financial information omitted)	TBD

No invoices have been received thus far. Based upon TPAO's revised performance schedule, the first of six authorized invoices will probably not be received until approximately May or June 2014.

3 Implementation Letter Status

3.1 USAID – Ministry of Finance (MoF) – MoMP IL Tracker

Table 16: USAID – MoF – MoMP IL Tracker

IL Number	Date Issued	Subject
IL No. 45-01	May 29, 2012	Initial IL Beginning SGDP and Conditions Precedent
IL No. 45-02	January 17, 2013	IL Series Renumbered to Begin at 45-01
IL No. 45-03	January 2, 2013	SGDP Payment Process and Instructions
IL No. 45-04	January 17, 2013	MoMP's Submitted Conditions Precedent Accepted
IL No. 45-05	January 17, 2013	USAID Approval of MoMP Drilling Tender Issuance
IL No. 45-06	March 7, 2013	USAID Approval of MoMP Drilling Tender Amendments

IL Number	Date Issued	Subject
IL No. 45-07	November 2, 2013	USAID Approval of MoMP Human Resources Manual
IL No. 45-08	June 15, 2013	USAID Approval of MoMP Drilling Tender Re-Issue
IL No. 45-09	July 28, 2013	USAID Drilling Contract Award No Objection Letter
IL No. 45-10	October 5, 2013	USAID Approval of MoMP Petroleum Eng Tender

Table 16 above, contains a list of all IL amendments issued thus far under SGDP. Thus far, IL amendments have primarily functioned to approved conditions precedent and drilling tender/contract actions.

4 Drilling Operations Summary

4.1 TPAO's Contract Performance Schedule

TPAO continues to follow their unapproved, revised fourteen month schedule. As of the end of this reporting period, it appears less likely that they will stay on that schedule, as they are only two weeks from the beginning of well work; however, their rig has not yet departed Turkey.

4.2 TPAO's Well Sequence

TPAO's well work sequence continues to be the least favorable possible for the SGDP project for obtaining critical gas well test results necessary for success of Phase II of the project. TPAO is working on the wells in reverse order of schedule expediency. As a result, the earliest projected estimate for receipt of the first gas well test data, is approximately mid-October 2014 for Juma well 2A, the end of December 2014 for Bashikurd well 3, and late February 2015 for Bashikurd well 9.

4.3 TPAO's Lack of Responsiveness to Schedule Problems

On April 1, 2014, TPAO responded to DG Jumriany's letter of discontent date March 26, 2014. TPAO continues to insist in following their unapproved, revised fourteen month schedule. In their response, TPAO assured MoMP of the importance and priority of the project and declared that MoMP's concerns are already discussed and met. TPAO's main excuse for the delay is the lack of the required equipment like Corrosive Resistant Alloy (CRA) casings, CRA tubing, Christmas tree, sour service wellhead in the market, and the non-responsiveness of the service and manufacturing companies to operate or transport any goods into Afghanistan.

On April 21, 2014, DG Jumriany responded to TPAO's letter dated April 1, 2014, with serious discontent. This response letter shows MoMP's disagreement with the technical responses provided by TPAO's project staff to MoMP's proposals to accelerate the performance period. DG Jumriany also explained the impact of the delay by TPAO which may lead to the loss of an additional US\$ (financial information omitted) in the related project funding from their development partners. Finally, DG Jumriany urged TPAO to instruct their project staff to make all efforts possible to bring the work within the 270 performance period required by the contract.

4.4 Despite Continuing Problems, Progress Was Made This Period

Though TPAO continues to follow their unapproved, revised fourteen month schedule, significant progress was made by MoMP late in April:

- MoMP received NEPA certificate of environmental compliance for drilling/re-entering wells.
- MoMP reached a satisfactory conclusion of where to site Juma Well #2A, which is in a location on the Juma side of the fault, close to Bashikurd Well #3 than originally contemplated, which will require a little less work by TPAO to reach the site and be located from the village.
- MoMP selected two Engineers to represent them onsite with TPAO during drilling operations and DM Harres is in the process of appointing them formally.
- MoMP made unexpected progress coordinating approvals for TPAO to import perforation explosives and radioactive well logging isotopes.