

PROJECT COMPLETION REPORT (PCR)

IMED 04/2003 (REVISED)

FOR

Workover of well no. Sylhet-8, Beanibazar-1 and Kailashtilla-7 (1st Revised)

SYLHET GAS FIELDS LIMITED

(A COMPANY OF PETROBANGLA)

September, 2023



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Government of the People's Republic of Bangladesh
Ministry of Planning
Implementation Monitoring and Evaluation Division

PROJECT COMPLETION REPORT: IMED 04/2003 (Revised)

A. PROJECT DESCRIPTION:

01. **Name of the Project** : Workover of well no. Sylhet-8, Beanibazar-1 and Kailashtila-7 (1st Revised).
02. **Administrative Ministry/Division** : Ministry of Power, Energy and Mineral Resources/ Energy and Mineral Resources Division.
03. **Executing Agency** : Sylhet Gas Fields Limited (SGFL)
(A Company of Petrobangla)

04. **Location of the Project**

Well no.	Division	District	Upazilla
Sylhet-8	Sylhet	Sylhet	Jaintapur
Beanibazar-1	Sylhet	Sylhet	Beanibazar
Kailashtila-7	Sylhet	Sylhet	Golapgonj

05. **Objective of the Project**

- Bringing back Sylhet-8 (Surma-1A), Beanibazar-1 and Kailashtila-7 wells to gas production through workover to increase gas production;
- To partially meet the growing energy demand of the country by increasing the gas production at the rate of about 20 million cubic feet per day (5 million cubic feet per day from each well of Sylhet-8 & Beanibazar-1 and 10 million cubic feet per day from the well of Kailashtila-7).

06. **Estimated Cost:**

(In lakh Taka)

	Original (As per DPP)	Latest Revised (As per 1 st RDPP)
(a) Total	16332.00	15519.00
(b) Taka	16332.00	15519.00
(c) Foreign Currency	2554.00	2919.00
(d) Project Aid	-	-
(e) RPA	-	-

07. **Date of Approval**

PCP	DPP/RDPP
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(a) Original	:	Not Applicable	08-02-2021
(b) Latest Revised	:	Not Applicable	04-01-2023



08. Implementation Period:

	Date of Commencement	Date of Completion
(a) Original	January, 2021	December, 2022
(b) Latest Revised	January, 2021	June, 2023
(c) Actual	January, 2021	June, 2023

09. Financing Arrangement (Source-wise):

9.1 Status of Loan/Grant

a) Foreign Financing: Not Applicable

Source (s)	Currency as per Agreement	Amount in US \$ (Million)	(Loan/Grant/ Supplier's/ Credit)	Date of Agreement	Date of Effective-ness	Date of Closing	
						Original	Revised
1	2	3	4	5	6	7	8
-	-	-	-	-	-	-	-

b) GoB: Not Applicable

(In lakh Taka)

Total amount	Loan	Grant	Cash Foreign Exchange
1	2	3	4
-	-	-	-

c) GDF (Gas Development Fund): Not Applicable

(In lakh Taka)

Total amount	Loan	Grant	Cash Foreign Exchange
1	2	3	4
-	-	-	-

d) Own Finance:

(In lakh Taka)

Total amount	Loan	Grant	Cash Foreign Exchange
1	2	3	4
15519.00	-	-	2919.00

9.2 Utilization of Project Aid (Source wise): Not Applicable

(In million)

Source (s)	Total Amount		Actual Expenditure		Unutilized Amount	
	In USD	In Local Currency	In USD	In Local Currency	In USD	In Local Currency
1	2	3	4	5	6	7
-	-	-	-	-	-	-



9.3 Re-reimbursable Project Aid (RPA): Not Applicable

(In lakh Taka)

RPA Amount		Amount Spent	Amount Claimed	Amount Re-imbursed	Remarks
As per PP	As per Agreement				
1	2	3	4	5	6
-	-	-	-	-	-

B. IMPLEMENTATION POSITION

01. Implementation Period:

Implementation Period as per DPP/RDPP		Actual Implementation Period	Time Over-run (% of original implementation period)	Remarks
Original	Latest Revised			
1	2	3	4	5
January 2021 to December 2022	January 2021 to June 2023	January 2021 to June 2023	25%	Workover of well no. Sylhet-8 and Kailashtila-7 were completed in January and May 2022 respectively. The workover of the Beanibazar-1 well was completed in November 2022. Beanibazar-1 well is 41 years old, and its configuration is different from other wells. Extra care in the tubing pull-out of the well required slightly more time. Besides, in the flood of 2022, the Golapgonj to Beanibazar road was flooded in many places. As a result, the road was damaged by floodwater. Later, after the repair of the road by the Roads and Highway Department, the rig and its accessories were shifted from the Kailashtila-7 well area to the Beanibazar-1 well area. As a result, the workover operation of the Beanibazar-1 well was delayed. After the main activities of the workover, time was required till June 2023 for rig-down, dismantling and payment of the invoices of domestic and foreign contractors.

02. Cost of the Project:

(In lakh Taka)

Description	Estimated Cost		Actual expenditure	Cost over-run (% of original cost)	Remarks
	Original (As per DPP)	Latest revised (As per RDPP)			
1	2	3	4	5	6
TOTAL	16332.00 (2554.00)	15519.00 (2919.00)	14379.00 (2316.00)	-	
TAKA	16332.00 (2554.00)	15519.00 (2919.00)	14379.00 (2316.00)	-	
PA	-	-	-	-	

03. Project Personnel:

Sanctioned strength as per RDPP	Manpower employed during execution	Status of the existing manpower			Manpower Employed	
		Manpower requirement for O & M as per DPP	Existing manpower for O & M	Others		
1	2	3	4	5	Male	Female
Officer(s)-9nos.	3*	**	**	-	3	-
Staff(s)-3 nos.	2*	**	**	-	2	-
Total:12 nos.	5*	**	**	-	5	-

* Manpower for execution of the project has been provided from the existing strength of SGFL.

** In the DPP/RDPP, manpower for O & M is not mentioned as the gas from the wells Sylhet-8, Beanibazar-1 and Kailashtilla-7 is being processed through existing process plants and existing manpower of Haripur Field, Beanibazar Field and Kailashtilla Field respectively. So, no additional manpower is required for O & M.

04. Training of Project Personnel (Foreign/Local): Not Applicable

Field of Training /Study tour/workshop/ Seminar etc.	Provision as per DPP		Actual		Remarks
	Number of person	Man -months	Number of person	Man-months	
1	2	3	4	5	6
a. Foreign	-	-	-	-	-
b. Local	-	-	-	-	-

05. Component-wise Progress (As per latest approved RDPP):

(In lakh Taka)

Code No.	Items of work (as per RDPP)	Unit	Target (as per RDPP)		Actual Progress		Reasons for deviation (±)
			Financial	Physical (Quantity)	Financial	Physical (Quantity)	
1	2	3	4	5	6	7	8
(a) Revenue Component							
3111332	Honorarium	LS	6.00	-	4.16	-	At actual (-1.84)
3211106	Entertainment	LS	3.00	-	2.86	-	At actual (-0.14)
3211107	(a) Workover Operation Cost	Package	10750.00	1	10750.00	1	At actual (0.00)
	(b) Third-Party Engineering Services	Package	2667.00	1	2128.61	1	At actual (-538.39) actual time required for workover of 3 wells is less than the estimated time, so the actual cost of this item is significantly lower than RDPP value.
	(c) Hiring of Microbus	No.	26.70	1	22.56	1	At actual (-4.14) Actual use of microbus is less than the estimated time, so, the actual cost of this item is significantly lower than RDPP value.
	(d) Materials Transportation Cost	Package	22.50	1	10.00	1	At actual (-12.50)
3211109	Casual Labour	Man-month	2.70	18	2.25	15	At actual (-0.45)
3211125	Advertisement and Publicity	No.	2.00	6	1.00	6	At actual (-1.00)
3221103	Pre-Shipment Inspection (PSI) Fee	%	2.00	0.335	2.00	0.335	At actual (0.00)
3221108	Bank Charges	%	17.84	0.085	8.36	0.040	At actual (-9.48)
3221114	Port Charges	%	18.00	2.77	17.00	2.616	At actual (-1.00)
3255105	Office Stationery	Package	1.50	1	0.90	0.60	At actual (-0.60)
3257101	Foreign Consultancy Services	Man-month	195.00	6	162.44	5.63	At actual (-32.56) The cost for consultancy services were estimated for 6 man-months. But as per actual workover period the services were taken for 5.63 man-months only. Trips of consultant is also less. Hence actual cost of the item is lower then its RDPP value.

Code No.	Items of work (as per RDPP)	Unit	Target (as per RDPP)		Actual Progress		Reasons for deviation(±)
			Financial	Physical (Quantity)	Financial	Physical (Quantity)	
1	2	3	4	5	6	7	8
3257104	IEE/EIA, DOE Clearance	Package	5.52	1	5.52	1	At actual (0.00)
3221104	VAT	%	429.29	15	335.05	11.71	At actual (-94.24) As the cost of workover materials, third party engineering services, consultancy services etc. are significantly less than the estimated value, so the cost of VAT is considerably less.
3821116	Insurance	%	9.95	1.57	7.72	1.22	At actual (-2.23)
3821125	AIT	%	244.00	5.25	119.57	2.57	At actual (-124.43) As the cost of workover materials, third party engineering services, consultancy services etc. are significantly less than the estimated value, so the cost of AIT is considerably less.
	Sub-Total (Revenue component)		14403.00		13580.00		
(b) Capital Component							
4111317	Rig Foundation Maintenance/Modification	No.	164.00	2	164.00	2	At actual (0.00)
4112202	Computer and Accessories (Desktop- 3no., Laser Printer-3no., Laptop-1no., Photocopier- 1no., Scanner- 1no.	No.	5.00	9	5.00	9	At actual (0.00)
4112304	(a) Workover Material	Package	635.00	1	622.00	1	At actual (-13.00)
	(b) Locally Procured Materials, Equipment and Spares	Package	6.00	1	6.00	1	At actual (0.00)
4112314	Office Furniture	No.	2.00	11	2.00	11	At actual (0.00)
	Sub-Total (Capital component)		812.00		799.00		
Total of Revenue and Capital Item (a+b)			15215.00		14379.00		
(c) Physical Contingency		%	0.00				
(d) Price Contingency		%	304.00				
	Grand Total (a+b+c+d)		15519.00		14379.00		



06. Information regarding Project Director (s):

Name & Designation with pay Scale	Full time	Part-time	Responsible for more than one project	Date of Joining	Date of Transfer	Remarks
1	2	3	4	5	6	7
Md. Rayhan Ahmed Deputy General Manager & Project Director Tk. 50,000-71,200	Yes	No	No	20-5-2021	Till end of this project.	-

07. Procurement of Transport (in nos.): Not Applicable

Type of Transport	Number as per RDPP	Procured with date	Transferred to Transport Pool with date	Transferred to O & M with date	Condemned/da maged with date	Remarks
1	2	3	4	5	6	7
Car	-	-	-	-	-	-
Jeep	-	-	-	-	-	-
Microbus	-	-	-	-	-	-
Minibus	-	-	-	-	-	-
Bus	-	-	-	-	-	-
Pick-up	-	-	-	-	-	-
Truck	-	-	-	-	-	-
Motorcycle	-	-	-	-	-	-
By-cycle	-	-	-	-	-	-
Speed Boat	-	-	-	-	-	-
Launch	-	-	-	-	-	-
Others with name	-	-	-	-	-	-

08. Procurement of Goods, Works and Consultancy Services:

08.1 Goods & works of the project costing above Tk. 200.00 lakh. and consultancy above Tk.100.00 lakh:

Description of procurement (goods/works /consultancy) as per bid document		Tender/Bid/Proposal Cost (in crore Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
		As per RDPP	Contracted value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1		2	3	4	5	6	7
Goods:							
Package-1							
G-2	Mud Chemicals and Completion Fluids	2.7826	2.7826	18-03-2021	23-12-2021	13-05-2022	24-08-2022 28-01-2023
Works:							
Package-1							
Workover Operation (Lump- sum)		107.50	100.00	-	05-08-2021	30-11-2022	28-11-2022
Package-2							
W-2	Wireline Logging Services	6.2706	5.9772	-	23-01-2022	31-12-2022	29-11-2022

W-3	Surface Production Testing Services	3.00	3.00	-	05-08-2021	30-11-2022	28-11-2022
W-5	Cementation Services	5.6047	4.3960	21-06-2021	25-11-2022	Till Completion of Work	30-11-2022
W-6	DST	8.0952	6.7441	21-06-2021	25-11-2022	Till Completion of Work	20-11-2022
Services:							
Foreign Consultancy Services (Workover Supervisor)		1.9500	1.9500	07-07-2020	07-11-2021	31-12-2022	30-11-2022

08.2 Use of Project Consultant (s) (Foreign/Local):

Name of the Field	Approved man-month		Actual man-month utilized	Remarks
	As per RDPP	As per contract		
1	2	3	4	5
a) Foreign:	6	6	5.63	The consultancy services were engaged for 6 man-months. But as per the actual Workover period, we have utilized the services for 5.63 man-months only.
b) Local:	-	-	-	Not applicable

09. Construction/Erection/Installation Tools & Equipment:

Description of items	Quantity (as per RDPP)	Quantity procured with date	Transferred to O & M with date	Disposed off as per rule with date	Balance	Remarks
1	2	3	4	5	6	7
Downhole Completion Equipment	Lot-I	1no. Surface control Sub surface safety valve landing nipple 3-1/2", 9.2 ppf Seal Lock Apex x pin down connection, Pressure rating-6000 psi. Date 31-01-2022	-	-	1 no.	KTL-1 (Store-3)
		1no. Separation sleeve for item no-1 complete with lock. Date 31-01-2022	-	-	1 no.	KTL-1 (Store-3)
		2 set Spare seals & 'O' Ring for SCSSV and Separation Sleeve. (each one set) Date 31-01-2022	-	-	2 set	KTL-1 (Store-3)
		4no. Flow coupling 3-1/2", 9.2 PPF box up x pin down each, 6 feet long (Seal Lock Apex connection). Date 31-01-2022	4no. 18-11-2022	-	0	
		1coil 1/4" x 0.035"x 500 feet ss control line Date 31-01-2022	-	-	1 coil	BGF store
		30no. Collar protector & banding strap Date 31-01-2022	-	-	30 no.	BGF store
		1no. Strap banding Machine Date 31-01-2022	-	-	1no.	BGF store
		1no. Sliding Side Door 3-1/2", 9.2 ppf box up x pin down. Profile size-2.750" or its equivalent (Seal Lock Apex connection). Date 31-01-2022	1 no. 18-11-2022	-	0	
		1set Shifting tool with accessories for SSD for profile size-2.750" or its equivalent for item no-9. Date 31-01-2022	-	-	1set	BGF store
		1no. Separation Sleeve for SSD for item no.9. Profile Size-2.750" or its equivalent Date 31-01-2022	-	-	1no.	KTL-1 (Store-3)



Description of items	Quantity (as per RDPP)	Quantity procured with date	Transferred to O & M with date	Disposed off as per rule with date	Balance	Remarks
1	2	3	4	5	6	7
		1set Spare seals & 'O' Ring for separation sleeve for item no 9b. Date 31-01-2022	-	-	1set	KTL-1 (Store-3)
		4no. Needle Valve 60° Angle Type ½"NPTMXF Thread, 10000 psi Max. pressure for general service. Date 31-01-2022	3 no. 18-11-2022	-	1no.	BGF store
		2no. Swage lock compression ¼"x1/8" NPT male connector. Date 31-01-2022	-	-	2no.	BGF store
		4no. ¼" Swage lock compression x 3/8" NPT male connector. Date 31-01-2022	-	-	4no	BGF store
		25no. ¼" Swage lock compression x nut & rings. Date 31-01-2022	-	-	25no.	BGF store
		12no. ¼" Swage lock compression x union Date 31-01-2022	-	-	12no.	BGF store
		6no. Swage lock compression x Tee Date 31-01-2022	-	-	6no.	BGF store
		6no. Reducing bushing 1/8" female x ¼"male NPT. Date 31-01-2022	-	-	6no.	BGF store
		2 no. Reducing bushing ¼" female NPT x male NPT. Date 31-01-2022	-	-	2 no.	BGF store
		4no. Plug ¼" NPT Date 31-01-2022	-	-	4no.	BGF store
		2no. Plug ¼" Swage lock compression. Date 31-01-2022	-	-	2no.	BGF store
		4no. Plug ¼" Swage lock compression x ¼" NPT female connection Date 31-01-2022	-	-	4no.	BGF store
		2no. Miniature two way Niddle valve ¼" NPT male x Female Date 31-01-2022	-	-	2no.	BGF store
		8no. Swage lock tool kit for ¼" drilling including tube cutter, ratchet wrench, tube saw guide and inspection gauge. Date 31-01-2022	-	-	8no.	BGF store
		4no. Pressure Gauge 0 – 10000 psi ¼"NPT Date 31-01-2022	-	-	4no.	BGF store
		1no. Hydraulic hand pump complete with : 0-10,000 psi complete with fittings 1/4" control line. Need to Purchase Date 31-01-2022	-	-	1no.	BGF store
		2no. ¼" Swage lock compression x ¼"NPT male connector. Date 31-01-2022	-	-	2no.	BGF store
		6no. One Side ¼" male connection to connect the port of ¼" safety valve nipple x other side ¼" male connection for control line to test separation sleeve or SCSSV or control line fittings on Tubing hanger by Hydraulic hand pump for item no-1 & tubing hanger. Date 31-01-2022	-	-	6no.	BGF store
		4no. Brass pin for GS running/pulling tool Date 26-9-2021	-	-	4no.	KTL-1 store-3
		1no. Separation sleeve for Backer Model "B" surface control subsurface safety valve landing nipple 4-1/2", 12.6 PPF, pressure rating 6000 psi complete with lock. Date 26-9-2021	-	-	1no.	KTL-1 store-3
		1set Running pulling tools, probe, prong, guide with accessories for Baker Model "BFVE" Wireline retrievable self equalizing flapper type SCSSV, Size 3.812" with lock matching for and Baker Model "B" or equivalent SCSSV landing nipple 4-1/2", 12.6 PPF. Pressure rating-6000 psi. Date 26-9-2021	-	-	1set	KTL-1 store-3



Description of items	Quantity (as per RDPP)	Quantity procured with date	Transferred to O & M with date	Disposed off as per rule with date	Balance	Remarks
1	2	3	4	5	6	7
		2 set Spare seals & 'O' Ring for following items (each one set): Baker Model 'BFVE' or equivalent Wire line retrievable self equalizing flapper type SCSSV. Size 3.812" or its equivalent with lock matching for and Baker Model 'B' or equivalent SCSSV landing Nipple 4-1/2 ", 12.6 PPF, Pressure rating-6000 psi. Date 26-9-2021	-	-	2 set	KTL-1 store-3
		1no. Locator seal assembly with Viton chevron seals OD-4", ID-2.990" or its equivalent 3-1/2", 9.2 PPF, N-80 Seal Lock Apex box up connection. Date 26-8-2021	-	-	1no	KTL-1 store-3
		1no. 'V' packing and 'O' ring for selective wire line plug for the following item: Landing Nipple 'F' or 'X' or its equivalent Size-2.812" or its equivalent with 3-1/2", P- 110, Vam Top Box up x pin down connection. Date 26-8-2021	-	-	1no.	KTL-1 store-3
		2no. Extra set screws and O-Ring for 9-5/8" x 6" seal bore extension cross over to 2-7/8", 6.4 PPF pin down. Date 26-8-2021	-	-	2no.	KTL-1 store-3
		4no. Brass pin for GS Running /Pulling tool Date 26-8-2021	-	-	4no.	KTL-1 store-3
		1no. Separation sleeve Baker Model 'B' or equivalent SCSSV landing Nipple 4 1/2 ", 12.6 PPF, SL-APEX Box up x pin down connection. Profile size 3.812" or its equivalent with 1/4" jam nut connection for complete with lock, Pressure rating 6000 psi. Date 26-8-2021	-	-	1no.	KTL-1 store-3
		1no. Running Pulling tools, Probe, Prong, Guide with accessories for Baker Model 'BFVE' or equivalent Wire line retrievable self equalizing flapper type SCSSV. Size 3.812" and Baker Model 'B' or equivalent SCSSV landing Nipple 4 1/2 ", 12.6 PPF, SL-APEX Box up x pin down connection. Profile size 3.812" Pressure rating-6000psi. Date 26-8-2021	-	-	1no.	KTL-1 store-3
		2no. Spare seals & 'O' Ring for Baker Model 'BFVE' or equivalent Wire line retrievable self equalizing flapper type SCSSV. Size 3.812" or its equivalent with lock matching for and Baker Model 'B' or equivalent Surface Control Sub Surface Safety Valve landing Nipple 4 1/2 ", 12.6 PPF, SL-APEX, Box up x pin down connection. Profile size 3.812" Pressure rating-6000 psi. (each one set). Date 26-8-2021	-	-	2no.	KTL-1 store-3
Mud Chemicals & Completion Fluids	Lot-II	110MT Calcium Chloride, Date: 23-12-2021	25 MT Date: 03-05-2022 and 17-11-2022	-	85 MT	84 MT at Sylhet-9 & 1 MT at KTL-7 location.
		40 drum (208L/drum) Brine Corrosion Inhibitor, Date: 23-12-2021	14 drum (208L/drum) Date: 17-11-2022	-	26	KTL-1 location.
		3 drum (208L/drum) Brine Defoamer, Date: 23-12-2021	1.02 drum (208L/drum) Date: 17-11-2022	-	1.98	KTL-1 location.



Description of items	Quantity (as per RDPP)	Quantity procured with date	Transferred to O & M with date	Disposed off as per rule with date	Balance	Remarks
1	2	3	4	5	6	7
		7MT XCD Polymer/Duovis, Date: 23-12-2021	-	-	7 MT	HGF store Sylhet-7
		1.5MT Hydroxy Ethyl Cellulose (HEC), Date: 23-12-2021	-	-	1.5 MT	HGF store Sylhet-7
		2MT Hydrated Lime, Date: 23-12-2021	-	-	2 MT	HGF store Sylhet-7
		5MT Caustic Soda, Date: 23-12-2021	-	-	5 MT	HGF store Sylhet-7
		2MT Citric Acid, Date: 23-12-2021	-	-	2 MT	HGF store Sylhet-7
		300 MT Barite, Date: 23-12-2021	-	-	300 MT	246 MT KTL, 54MT Sylhet-9
		30MT Attapulgate, Date: 23-12-2021	-	-	30 MT	HGF store Sylhet-7
		16 drum (208L/drum) Biocide, Date: 23-12-2021	6.6 drum (208L/drum) Date: 08-09-2022	-	9.4 MT	KTL-1 location.
		14drum (208L/drum) Defoam- A, Date: 23-12-2021	-	-	14 Drum	HGF store Sylhet-7
		2MT Sodium Bicarbonate, Date: 23-12-2021	-	-	2	HGF store Sylhet-7
		14MT PAC-R/HV, Date: 23-12-2021	8 MT Date: 08-09-2022	-	6 MT	KTL-7 location.
		1.5MT Soda Ash (Na ₂ CO ₃), Date: 23-12-2021	-	-	1.5 MT	HGF store Sylhet-7
		26 Can (4gal./can) Oxygen Scavenger (Liquid), Date: 23-12-2021	-	-	26 Can	HGF store Sylhet-7
		69.6MT API Bentonite, Date: 23-12-2021	-	-	69.6 MT	KTL-1 location.
		1MT Q-Broxin, Date: 23-12-2021	-	-	1 MT	HGF store Sylhet-7
Well & X-mas tree	Lot-III	1 no. Tubing Hanger Spool: 11" 10M bottom × 11" 10M top, , Temperature Level 'U' PSL level 3, Date: 10-03-2022	1 no. Date:02-11-2022		0	
		1 no. Tubing Hanger: 11" 10M nominal size Extended Neck Tubing Hanger, Matching with item no. 1 Temperature Level 'U' PSL level 3, Date: 10-03-2022	1 no. Date:02-11-2022		0	
		1 set Spare Seal Tubing Hanger Spool (3+2)=5, Date: 10-03-2022	1 set Date:02-11-2022		0	
		1 no. Tubing Hanger Bonnet: 3 1/16" 10M studded top × 11" 10M studded Tubing Hanger Bonnet, Date: 10-03-2022	1 no. Date: 02-11-2022		0	
		4 no. Gate Valve: 2-1/16" 10M Manually operated Gate Valve, bi directional flow, with Hand Wheels, Date: 10-03-2022	4 no. Date: 02-11-2022		0	
		2 no. Companion Flange: 2 1/16" 10M Companion Flange with 2" LP female connection, Date: 10-03-2022	2 no. Date: 02-11-2022		0	
		2 no. Needle Valve: ½ " NPT 900 angle street Needle valve, 10,000 psi wp, Date: 10-03-2022	2 no. Date:02-11-2022		0	
		56 no. Stud and Nut: Stud with two Nut each 2-1/16", 10k Stud Bolt dia 3/4", Length 5 ½" Zinc/Cadmium plated, Date: 10-03-2022	40 no. Date:02-11-2022		16 no.	BGF store
		6 no. Gate Valve: 3-1/16" 10M Manually operated Gate Valve, bi directional flow, with Hand Wheels, Date: 10-03-2022	6 no. Date:02-11-2022		0	



Description of items	Quantity (as per RDPP)	Quantity procured with date	Transferred to O & M with date	Disposed off as per rule with date	Balance	Remarks
1	2	3	4	5	6	7
Tubing & Accessories	Lot-IV	56no.Stud and Nut: Stud with two Nut each 7/8" × 7" Zinc/Cadmium plated; Date:26-08-2021	-	-	56no.	KTL-1 Store-3.
		6no. Ring Gasket RX 54, Stainless Steel; Date:26-08-2021	-	-	6no.	KTL-1 Store-3.
		8160 Feet 3-1/2", 9.20 PPF, Grade N-80, R-2; Date: 04-01-2022	7789 Feet Date: 29-10-2022	-	371 feet	KTL-7
		Pup Joints 3-1/2", 9.20 PPF, Grade N-80, Premium connection; Date: 04-01-2022				
		1 3 no. 5 feet long	3 no. Date:29-10-2022	-	0	KTL-1 Store-3.
		2 3no. 3 feet long	-	-	3no.	KTL-1 Store-3.
		3 3no. 2 feet long	2no. Date:29-10-2022		1no.	KTL-1 Store-3.
		Crossover Sub; Date: 04-01-2022				
		1 4no.3-1/2", 9.20 PPF, Grade N-80, Seal Lock Apex box × Vam Top pin	-		4no.	KTL-1 Store-3.
		2 4no. 3-1/2", 9.20 PPF, Grade N-80 Vam Top box × Seal Lock Apex pin.	-		4no.	KTL-1 Store-3.
		Crossover Sub; Date: 04-01-2022				
		1 2 no. 4-1/2", 12.6 PPF, Grade p-110 Vam Top pin × Seal Lock Apex pin.	-		2 no.	KTL-1 Store-3.
		2 2 no. 4-1/2", 12.6 PPF, Grade p-110 Vam Top pin × Seal Lock Apex box	-		2 no.	KTL-1 Store-3.
		3 2 no. 4-1/2", 12.6 PPF, Grade p-110 Vam Top box × Seal Lock Apex pin.	-		2 no.	KTL-1 Store-3.
		Crossover Sub; Date: 04-01-2022				
		1 3 no. 3-1/2", 9.20 PPF, Grade N-80, (Vam top) box × (Seal Lock Apex connection) pin.	2 no. Date: 29-10-2022		1 no.	KTL-1 Store-3.
		2 3 no. 3-1/2", 9.20 PPF, Grade N-80, (Seal Lock Apex) box × (Vam Top) pin.	1 no. Date:29-10-2022		2 no.	KTL-1 Store-3.
		Crossover Sub; Date: 04-01-2022				
		1 1 no. 4-1/2", 12.6 PPF, Seal Lock Apex pin×3-1/2" 9.2 PPF, Vam Top box, Grade p-110	-		1 no.	KTL-1 Store-3.
		2 1 no. 4-1/2", 12.6 PPF, Vam top pin×3-1/2" 9.2 PPF, Vam Top box, Grade p-110	-		1 no.	KTL-1 Store-3.
		3 no. 3-1/2", 9.20 PPF, Grade N-80, pin Seal Lock Apex × pin Seal Lock Apex connection; Date: 04-01-2022	2 no. Date: 29-10-2022		1 no.	KTL-1 Store-3.
		1 no.Drift gauge for 3- 1/2" tubing; Date: 04-01-2022	-		1 no.	KTL-1 Store-3.
		1 no.Drift gauge for 4- 1/2" tubing; Date: 04-01-2022	-		1 no.	KTL-1 Store-3.

Note: The above leftover materials of the project will be used for repair/maintenance of wellhead & X-mass tree of these 3 wells and for SGFL's future workover or drilling projects.



C. FINANCIAL AND PHYSICAL PROGRAMME:

01. (a) Original and revised schedule as per DPP:

(In lakh Taka)

Financial Year	Financial provision & physical target as per original DPP				Financial provision & physical target as per latest revised DPP			
	Total	Taka	P.A.	Physical %	Total	Taka	P.A.	Physical %
1	2	3	4	5	6	7	8	9
2020-2021	82.02	82.02	-	0.48	8.00	8.00	-	0.06
2021-2022	8691.17	8691.17	-	52.95	3580.00	3580.00	-	24.45
2022-2023	7558.81	7558.81	-	46.57	11931.00	11931.00	-	75.49
Total =	16332.00	16332.00	-	100.00	15519.00	15519.00	-	100.00

01. (b) Revised ADP allocation and progress:

(In lakh Taka)

Financial Year	Revised Allocation & target				Taka release	Expenditure & physical progress			
	Total	Taka	P.A.	Physical %		Total	Taka	P.A.	Physical %
1	2	3	4	5	6	7	8	9	10
2020-2021	8.00	8.00	-	5.49	-	8.00	8.00	-	5.49
2021-2022	3580.00	3580.00	-	63.88	-	3580.00	3580.00	-	63.88
2022-2023	10791.00	10791.00	-	30.63	-	10791.00	10791.00	-	30.63
Total =	14379.00	14379.00	-	100.00	-	14379.00	14379.00	-	100.00

Note:

D. ACHIEVEMENT OF OBJECTIVES OF THE PROJECT:

Objectives as per RDPP	Actual Achievement	Reasons for shortfall, if any												
(a) Bringing back Sylhet-8 (Surma-1A), Beanibazar-1 and Kailashtila-7 wells to gas production through workover to increase gas production	<table><tr><td colspan="2">Workover Completion Depths of the wells are as follows:</td></tr><tr><td>Well no.</td><td>Workover Completion Depth (mMD)</td></tr><tr><td>Sylhet-8</td><td>1397 – 1401</td></tr><tr><td>Beanibazar-1</td><td>3251.7 – 3254.7</td></tr><tr><td>Kailashtila-7</td><td>2990.7 – 2996.2</td></tr></table>	Workover Completion Depths of the wells are as follows:		Well no.	Workover Completion Depth (mMD)	Sylhet-8	1397 – 1401	Beanibazar-1	3251.7 – 3254.7	Kailashtila-7	2990.7 – 2996.2	-		
Workover Completion Depths of the wells are as follows:														
Well no.	Workover Completion Depth (mMD)													
Sylhet-8	1397 – 1401													
Beanibazar-1	3251.7 – 3254.7													
Kailashtila-7	2990.7 – 2996.2													
(b) To partially meet the growing energy demand of the country by increasing the gas production at the rate of about 20 million cubic feet per day (5 million cubic feet per day from each well of Sylhet-8 & Beanibazar-1 and 10 million cubic feet per day from the well of Kailashtila-7).	Workover of wells Sylhet-8, Beanibazar-1 and Kailashtila-7 has been completed as follows: <table><tr><td>Well no.</td><td>Workover completion Date</td><td>Output (mmscfd)</td></tr><tr><td>Sylhet-8</td><td>8 January, 2022</td><td>Started gas production 4.50 mmscfd on 9 January, 2022</td></tr><tr><td>Beanibazar-1</td><td>28 November, 2022</td><td>Started gas production 8.00 mmscfd on 28 November, 2022</td></tr><tr><td>Kailashtila-7</td><td>7 May, 2022</td><td>Started gas production 19.00 mmscfd on 7 May, 2022</td></tr></table>	Well no.	Workover completion Date	Output (mmscfd)	Sylhet-8	8 January, 2022	Started gas production 4.50 mmscfd on 9 January, 2022	Beanibazar-1	28 November, 2022	Started gas production 8.00 mmscfd on 28 November, 2022	Kailashtila-7	7 May, 2022	Started gas production 19.00 mmscfd on 7 May, 2022	-
Well no.	Workover completion Date	Output (mmscfd)												
Sylhet-8	8 January, 2022	Started gas production 4.50 mmscfd on 9 January, 2022												
Beanibazar-1	28 November, 2022	Started gas production 8.00 mmscfd on 28 November, 2022												
Kailashtila-7	7 May, 2022	Started gas production 19.00 mmscfd on 7 May, 2022												



E. BENEFIT ANALYSIS

01. Annual Out-put:

Items of out-put	Unit	Estimated quantity expected at full capacity per year	Actual quantity of output during the 1 st year of operation at full capacity (or during, real production for newly completed project). (Estimated as per real production)
(a) Gas	MMSCF	6600	5468
(b) Condensate	BBL	82500	85361

02. Cost/Benefit:

Item	Estimated	Actual
(1) Benefit cost ratio of the project		
(i) Financial	(i) 1.23	(i) 1.64 (as per Company margin)
(ii) Economic	(ii) 1.54	(ii) 2.44 (as per Company margin)
(2) Internal Rate of Return		
(iii) Financial	(i) 22.72%	(i) 39.72% (as per Company margin)
(iv) Economic	(ii) 27.45%	(ii) 52.52% (as per Company margin)

03. Please give reasons for shortfall, if any, between the estimated and actual benefit: Not applicable.



F. MONITORING AND AUDITING

1. Monitoring:

Name & designation of the inspecting official		Date of Inspection	Identified Problems	Recommendations
1		2	3	4
(a) Ministry/Agency:				
1.	Mr. Md. Mahbub Hossain Senior Secretary, EMRD	14-05-2022	Found no problem	N/A
2.	Dr. Muhammed Emdad Ullah Miyan. Member (Secretary), Industry and Energy Division, Planning Commission.	08-10-2022	Found no problem	N/A
3.	Mr. Nazmul Ahsan Chairman, Petrobangla.	04-02-2022 & 05-02-2022	Found no problem	N/A
4.	Mr. Md. Jahangir Alam Additional Secretary (Operation), EMRD.	03-03-2022	Found no problem	N/A
5.	Dr. Md. Helal Uddin NDC Additional Secretary (Development), EMRD.	19-03-2022	Found no problem	N/A
6.	Mr. Md. Altaf Hossain Director (Administration), Petrobangla.	25-02-2022	Found no problem	N/A
7.	Mrs. Begum Shahina Khatun Joint Secretary (Development), EMRD	19-03-2022	Found no problem	N/A
8.	Mr. Md. Hafijur Rahman Chowdhury Joint Secretary (Operation), EMRD	19-03-2022 & 05-08-2022	Found no problem	N/A
9.	Mrs. Morsheda Ferdous Deputy Secretary (Development), EMRD	19-03-2022	Found no problem	N/A
10.	Mrs. Farhana Rahman Deputy Secretary (Administration), EMRD	19-03-2022	Found no problem	N/A
11.	Mr. Md. Hasanuzzaman Deputy Secretary (Planning), EMRD	15-10-2021	Found no problem	N/A
12.	Mrs. Dilwoara Alo Deputy Secretary, EMRD	20-7-2023 & 21-7-2023	Found no problem	N/A
(b) IMED :				
	Dr. Khan Md. Moniruzzaman Director-2, IMED	13-12-2022 & 14-12-2022	Some instructions given	Necessary action taken as per instructions
(c) Others:				
1	Mr. Md. Mahbub Hasan Shahin Deputy Chief (Deputy Secretary) Industry and Energy Wing, Planning Commission	08-10-2021	Found no problem	N/A
2	Mrs. Umme Israt Sr. Assistant Chief Industry and Energy Wing, Planning Commission	05-12-2021 & 06-12-2021	Found no problem	N/A

2. Auditing during and after Implementation:

2.1. Internal Audit:

Period of Audit	Date of submission of Audit Report	Major findings/ objections	Whether objections resolved or not.
1	2	3	4
Payment for procurement of materials, services and works of this project was made through accounts & finance division after being audited by Audit department of SGFL.		None	N/A

2.2. External Audit:

Audit period	Date of submission of Audit Report	Major findings/ objections	Whether objections resolved or not.
1	2	3	4
2020-2021	16-01-2022	None	N/A
2021-2022	Audit has not been scheduled by Power and Energy Audit Directorate	-	-
2022-2023	Audit has not been scheduled by Power and Energy Audit Directorate	-	-

Note: A financial accounts of the FY 2020-2021 were audited by Power and Energy Audit Directorate, Dhaka.



G. DESCRIPTIVE REPORT

1. General Observations/Remarks of the Project on:

1.1 Background:

Sylhet Gas Fields Limited (SGFL), a company of Petrobangla, is the owner of Sylhet (Haripur), Kailashtilla, Rashidpur and Beanibazar fields. SGFL appointed M/s. Schlumberger SEACO Inc., a consulting firm to review the 3-D seismic data and reports of Sylhet (Haripur), Kailashtilla and Rashidpur fields conducted by BAPEX in 2010-2012. In the report provided by M/s. Schlumberger SEACO Inc., workover of some wells of the said fields are recommended. Moreover, after reviewing the detailed information/data, Petrobangla formed a committee comprising of concerned officials to formulate specific opinions/recommendations for the purpose of drilling a new well in Kailashtilla field and workover a few wells in Sylhet (Haripur), Kailashtilla and Beanibazar field (office order no.02.0000.011.37.051.18.196, date 07-01-2018). The formed committee recommended for workover of well no. Sylhet-8 (Surma-1A), Beanibazar-1 and Kailashtilla-7.

Total gas production from Sylhet (Haripur) field till June 2019 is 215.65 bcf. According to the 3-D seismic review results (2018) made by M/s. Schlumberger SEACO Inc. the amount of remaining recoverable gas reserves in this field is 169 bcf.

According to Hydrocarbon unit the amount of remaining recoverable gas reserves at lower and upper gas sands in Beanibazar Gas field is 3.9 bcf and 69.73 bcf respectively.

Total gas production from Kailashtilla Gas field since inception to June 2019 is 741.41 bcf. According to the 3-D seismic review results (2018) made by M/s. Schlumberger SEACO Inc. the amount of remaining recoverable gas reserves in this field is 496.49 bcf.

1.2 Justification/Adequacy:

Consulting firm M/s. Schlumberger SEACO Inc. recommended workover of well no. Sylhet-8 and Kailashtilla-7 in their 3D Seismic survey review report. It should be noted that, BAPEX has not conducted any 3D Seismic survey in Beanibazar field. As a result it is not possible to review the 3D Seismic survey by M/s. Schlumberger SEACO Inc.

The technical committee formed on 07-11-2018 consisting of the concerned officials of Petrobangla, BGFCL, BAPEX and SGFL recommended well no. Sylhet-8, Beanibazar-1 and Kailashtilla-7 for workover. As the mentioned wells contain recoverable gas reserve, workover program had been taken to produce remaining gas from the wells Sylhet-8, Beanibazar-1 and Kailashtilla-7. Thus, a proposal for "Workover of well no. Sylhet-8, Beanibazar-1 and Kailashtilla-7" project was initiated.

1.3 Objectives:

- Bringing back Sylhet-8 (Surma-1A), Beanibazar-1 and Kailashtilla-7 wells to gas production through workover to increase gas production.
- To partially meet the growing energy demand of the country by increasing the gas production at the rate of about 20 million cubic feet per day (5 million cubic feet per day from each well of Sylhet-8 & Beanibazar-1 and 10 million cubic feet per day from the well of Kailashtilla-7).



1.4 Project revision with reasons:

DPP of the project "Workover of well no. Sylhet-8, Beanibazar-1 and Kailashtilla-7" was approved by Energy and Mineral Resources Division on 08-02-2021. The estimated cost of the self financing project was Tk.16332.00 lakh and its implementation period was January 2021 to December 2022.

Note that, due to heavy rains and floods in Sylhet region in 2022, Beanibazar to Golapganj road was flooded in many places. As a result, the road was damaged by flood water. Later, after repairing the road through Roads & Highway Department, the rig and ancillary equipment were transferred from well no. Kailashtilla-7 to well no. Beanibazar-1 area. It requires more time. As a result, the workover operation of well no. Beanibazar-1 is delayed. Delayed start of workover operation increases the cost of third party engineering services in the well.

At the time of DPP formulation, the foreign exchange rate was 1 US dollar = 84.80 taka. Expenditure on third party engineering services, workover materials, VAT and AIT increased due to appreciation of US dollar exchange rate against taka. Estimated expenditure on workover operations, foreign consultancy services, IEE/EIA, DOE clearance sectors has been reduced due to consideration of actual expenditure. Revision of DPP was required due to increase in time and actual cost reduction and increase in some sectors.

So, RDPP (1st. revised) of the project "Workover of well no. Sylhet-8, Beanibazar-1 and Kailashtilla-7" was approved by Energy and Mineral Resources Division on 04-01-2023. The estimated cost of the self financing project was Tk.15519.00 lakh and its implementation period was January 2021 to June 2023.

2. Rationale of the project in respect of Concept, Design, Location and Timing:

Existing well no. Sylhet-8 is located at Jaintapur upazilla, well no. Beanibazar-1 at Beanibazar upazilla and well no. Kailashtilla-7 at Gulapgonj upazilla of Sylhet district. Gas production from well no. Sylhet-8 and Beanibazar-1 stopped due to excess water production and reduced wellhead pressure. On the other hand gas production from well no. Kailashtilla-7 stopped as wellhead pressure deceased.

Consulting firm M/s. Schlumberger SEACO Inc. recommended workover of well no. Sylhet-8 and Kailashtilla-7 in their 3D Seismic survey review report. It should be noted that, BAPEX has not conducted any 3D Seismic survey in Beanibazar field. As a result it is not possible to review the 3D Seismic survey by M/s. Schlumberger SEACO Inc.

The technical committee formed on 07-11-2018 consisting of the concerned officials of Petrobangla, BGFCL, BAPEX and SGFL recommended well no. Sylhet-8, Beanibazar-1 and Kailashtilla-7 for workover. As the mentioned wells contain recoverable gas reserve, workover program had been taken to produce remaining gas from the wells Sylhet-8, Beanibazar-1 and Kailashtilla-7.

3. Brief description on planning and financing of the project and its applicability:

◆ Project Identification:

The project is identified by Sylhet Gas Fields Limited (A company of Petrobangla) as an operator of "Workover of well no. Sylhet-8, Beanibazar-1 and Kailashtilla-7". The project was financed from own fund of Sylhet Gas Fields Limited (SGFL).



◆ Project Preparation:

The Development Project Proposal (DPP) of the project was prepared by planning department of SGFL based on the 3-D Seismic review report (2018) prepared by M/s. Schlumberger SEACO Inc. and the recommendation of a committee formed by Petrobangla (office order no.02.0000.011.37.051.18.196, date 07-01-2018). DPP was then placed to Energy & Mineral Resources Division through Petrobangla for approval.

◆ Appraisal:

On the basis of the 3-D Seismic review report (2018) prepared by M/s. Schlumberger SEACO Inc. and the recommendation of a committee formed by Petrobangla (office order no.02.0000.011.37.051.18.196, date 07-01-2018), it had been planned to workover the well no. Sylhet-8, Beanibazar-1 and Kailashtilla-7. Thus, a proposal for "Workover of well no. Sylhet-8, Beanibazar-1 and Kailashtilla-7" was initiated.

◆ Credit Negotiation: N/A

◆ Credit Agreement: N/A

◆ Credit Effectiveness: N/A

◆ Loan Disbursement: N/A

◆ Loan Conditionality: N/A

◆ Project Approval:

On the basis of the 3-D Seismic review report (2018) prepared by M/s. Schlumberger SEACO Inc. and the recommendation of a committee formed by Petrobangla (office order no.02.0000.011.37.051.18.196, date 07-01-2018), a Development Project Proposal (DPP) for "Workover of well no. Sylhet-8, Beanibazar-1 and Kailashtilla-7" was prepared by SGFL which was approved by the Energy and Mineral Resources Division of the Ministry of Power, Energy & Mineral Resources on 08-02-2021. Original project implementation period in the DPP was January 2021 to December 2022.

In view of reality, the DPP has to be revised due to the decrease in the estimated price of DPP and the longer time required for workover operation of well no. Beanibazar-1. So, RDPP (1st. revised) of the project "Workover of well no. Sylhet-8, Beanibazar-1 and Kailashtilla-7" was approved by Energy and Mineral Resources Division on 04-01-2023. The estimated cost of the self financing project was Tk.15519.00 lakh and its implementation period was January 2021 to June 2023.

◆ Others (if any): Not Applicable



4. Analysis of the post-implementation situation and result of the project :

- 4.1 Whether the beneficiaries of the project have clear knowledge about the Target/ Objectives of the project.

Yes, the beneficiaries of the project have clear knowledge about the Target/ Objectives of the project.

- 4.2 Programme for use of created facilities of the project.

Presently about 11 MMSCFD of gas is producing from Sylhet-8, Beanibazar-1 & Kailashtilla-7no. wells and is supplying it to Jalalabad Gas Transmission and Distribution System Limited (JGTDSL) and Gas Transmission Company Limited (GTCL). Around 170 bbl/day of condensate is also producing with the gas as a by-product.

- 4.3 O & M programme of the project.

Operation & Maintenance (O & M) works of well no. Sylhet-8, Beanibazar-1 and Kailashtilla-7 are being performed by existing manpower of Haripur Gas Field, Beanibazar gas Field and Kailashtilla Gas Field respectively of SGFL.

- 4.4 Impact of the project:

4.4.1 Direct:

- a) Increased production of gas and gas by-products like condensate will play a vital role in fulfillment of the overall gas/fuel demand in the country.
- b) Cash flow from sales of gas and liquid hydrocarbon will help SGFL to increase revenue earning which will contribute to the amount of dividend paid to the government exchequer and thereby enhance economic growth of the country.

4.4.2 Indirect:

- a) The availability of natural gas at lower price (compared to LNG import price) will accelerate the growth of power, fertilizer and other relevant industries where gas is the main fuel/raw material.
- b) The project will facilitate more employment opportunities both for male and female by setting up more gas based industries and commercial units.

- 4.5 Transfer of Technology and Institutional Building through the project:

The project was implemented through the utilization of Company's own technical management personnel together with the assistance of internationally reputed third-party engineering services Companies. BAPEX was the contractor for Workover operation. During execution period of the project, the said service personnel assisted SGFL's technical persons to enrich their technical capabilities.



4.6 Employment generation through the project:

Local contractor and associated local unskilled people got employment during execution period of the project.

4.7 Possibility of Self-employment: Not Applicable

4.8 Possibility of women-employment opportunity:

Although the project has no direct impact on the women population, it will indirectly help the women. Along with the implementation of this project, gas based medium and small scale industries will be developed where women will be employed directly or indirectly.

4.9 Women's participation in development:

Only a few women participated directly in development of the project.

4.10 Probable Impact on Socio-Economic Activities:

The availability of natural gas will expand the generation & supply of electricity to the greater people of the country. This will have a positive impact on deforestation. This will also provide eco-friendly energy source to automobile in the form of CNG. The lifestyle of the household covered under gas supply network will be friendly improved.

4.11 Impact on environment:

There is no significant negative impact on environment. During project implementation, effluent was controlled and disposed in waste water pit. Thereby full precaution has been taken to avoid environment pollution. EMP study was conducted, which was approved by Department of Environment (DOE), Bangladesh. Necessary action has taken as per the recommendation of the report.

4.12 Sustainability of the project:

The project is so far socially & economically sustainable.

4.13 Contribution to poverty alleviation/reduction:

The scope of employment of mass people is limited in gas sector. However, employment in the gas-based industries/commercial units, of course, will provide employment opportunity, which will contribute to poverty alleviation.



- 4.14 Opinion of the public representatives, local elite, local administration, teachers, religious leaders, women's representatives etc.

They appreciated the successful completion of Workover of the well no.Sylhet-8, Beanibazar-1 and Kailashtilla-7, as it will increase the gas production of the country.

- 4.15 Contribution of Micro-credit programmes and comments on overlapping with any NGO activities: Not Applicable.

5. Problems encountered during Implementation (with duration & steps taken to remove those):

5.1 Project Management: Not Applicable.

5.2 Project Director: Not Applicable.

5.3 Land Acquisition: Not Applicable.

5.4 Procurement: Not Applicable.

5.5 Consultancy: Not Applicable.

5.6 Contractor: Not Applicable

5.7 Manpower: Not Applicable

5.8 Law & Order: Not Applicable

5.9 Natural Calamity:

Weather was almost friendly during project implementation period. But, road damage due to flood in Sylhet region, additional time is spent in mobilization of Rig and its accessories from Kailashtilla, Golapgonj to Beanibazar.

5.10 Project financing, allocation and release: Not Applicable

5.11 Design formulation/approval: Not Applicable.

5.12 Project aid disbursement and re-imburement: Not Applicable.

5.13 Mission of the development partners: Not Applicable.



5.14 Time & Cost Over-run:

Time over-run due to heavy rains and floods in Sylhet region in 2022. Golapganj to Beanibazar road was flooded in many places due to heavy rains. As a result, the road was damaged by flood water. Later, after repairing the road through Roads & Highway Department, the rig and ancillary equipment were transferred from well no. Kailashtilla-7, Golapganj to well no. Beanibazar-1 area. It requires more time. As a result, the workover operation of well no. Beanibazar-1 is delayed. The project is successfully completed within the estimated cost. No cost over-run is made.

5.15 Project Supervision/Inspection: Not Applicable

5.16 Delay in Decision: Not Applicable

5.17 Transport: Not Applicable

5.18 Training: Not Applicable

5.19 Approval: Not Applicable

5.20 Others: Not Applicable

6. Remarks & Recommendations of the Project Director:

The workover of the well no. Sylhet-8, Beanibazar-1 and Kailashtilla-7 were successfully completed in time. During workover Sylhet-8 well was completed at the perforation interval 1397.0-1401.0 mMD, Beanibazar-1 well was completed at the perforation interval 3251.7-3254.7 mMD and Kailashtilla-7 well was completed at the perforation interval 2990.7-2996.2 mMD. Gas productions were started from the well Sylhet-8 on 09-01-2022 @ 4.5 MMSCFD, Beanibazar-1 on 28-11-2022 @ 8.0 MMSCFD and Kailashtilla-7 on 07-05-2022 @ 19 MMSCFD. Hence, the completed wells have added a success in the history of Sylhet Gas Fields Limited.

Date: 21.9.2023



Signature and seal of the Project Director/Manager

Md. Rayhan Ahmed

Project Director

Workover of well no. Sylhet-8,

Beanibazar-1 & Kailashtilla-7

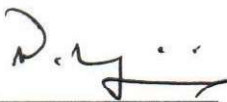
Sylhet Gas Fields Limited, Sylhet-3152

7. Remarks/Comments of Agency Head:

a) Sylhet Gas Fields Limited:

The project has been completed successfully with the cooperation of Petrobangla, EMRD, IMED and Planning commission. The wells are now producing around 11 MMSCFD of gas with 165 bbl of condensate per day, which is contributing to meet partial demand of energy in the country and saving foreign exchange by reducing energy import.

Date: 21/09/2023


Signature and Seal
Md. Mijanur Rahman
Managing Director
Sylhet Gas Fields Limited

b) Petrobangla:

Date:

Signature and Seal

8. Remarks/Comments of the officer in- charge of the Ministry/Division:

Date :

Signature and Seal

7. Remarks/Comments of Agency Head:

a) Sylhet Gas Fields Limited:

The project has been completed successfully with the cooperation of Petrobangla, EMRD, IMED and Planning commission. The wells are now producing around 11 MMSCFD of gas with 165 bbl of condensate per day, which is contributing to meet partial demand of energy in the country and saving foreign exchange by reducing energy import.

Date:

21/09/2023



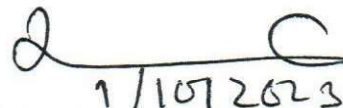
Signature and Seal

Md. Mijanur Rahman
Managing Director
Sylhet Gas Fields Limited

b) Petrobangla: As per RDPP, the project has been completed within the estimated cost and time.

Date:

01.10.2023



Signature and Seal

Zanendra Nath Sarker
Chairman
Bangladesh Oil, Gas & Mineral Corporation
(Petrobangla)

8. Remarks/Comments of the officer in- charge of the Ministry/Division:

Date :

Signature and Seal

ANNEXURE-A

Calculation of actual Benefit-Cost Ratio (BCR) and
Internal Rate of Return (IRR)



Benefit Cost Ratio & Internal Rate of Return (Financial)

(Taka in Lac)

Sl. No.	Year	Investment Cost (PV)	Operating Cost (PV)	Total Cost (PV)	Benefit (PV)	Discount Factor 0.12	Discounted Total Cost	Discounted Total Benefit
0	1 (2020-21)	8.00	0.00	8.00	0.00	1.00	8.00	0.00
1	2 (2021-22)	3580.00	406.98	3986.98	1053.00	0.89	3559.80	940.17
2	3 (2022-23)	10791.00	1389.47	12180.47	4431.65	0.80	9710.20	3532.89
3	4 (2023-24)		1561.82	1561.82	6665.60	0.71	1111.68	4744.44
4	5 (2024-25)		1419.42	1419.42	6278.97	0.64	902.07	3990.40
5	6 (2025-26)		1419.42	1419.42	6278.97	0.57	805.42	3562.86
6	7 (2026-27)		1419.42	1419.42	6278.97	0.51	719.12	3181.12
7	8 (2027-28)		1419.42	1419.42	6278.97	0.45	642.07	2840.29
8	9 (2028-29)		1419.42	1419.42	6278.97	0.40	573.28	2535.97
9	10 (2029-30)		1419.42	1419.42	6278.97	0.36	511.86	2264.26
10	11 (2030-31)		1419.42	1419.42	6278.97	0.32	457.02	2021.66
11	12 (2031-32)		1419.42	1419.42	6278.97	0.29	408.05	1805.05
12	13 (2032-33)		453.27	453.27	2092.99	0.26	116.34	537.22
TOTAL :							19524.916	31956.324

NPV (F) =12431.41

IRR (F) =39.72%

BCR (F) =1.64



Benefit Cost Ratio & Internal Rate of Return (Economical)

(Taka in Lac)

Sl. No.	Year	Investment Cost (PV)	Operating Cost (PV)	Total Cost (PV)	Benefit (PV)	Discount Factor 0.12	Discounted Total Cost	Discounted Total Benefit
0	1 (2020-21)	6.56	0.00	6.56	0.00	1.00	6.56	0.00
1	2 (2021-22)	2964.40	53.89	3018.29	722.07	0.89	2694.90	644.71
2	3 (2022-23)	9236.70	105.33	9342.03	3211.04	0.80	7447.41	2559.82
3	4 (2023-24)		105.33	105.33	5458.48	0.71	74.97	3885.24
4	5 (2024-25)		105.33	105.33	5176.46	0.64	66.94	3289.73
5	6 (2025-26)		105.33	105.33	5176.46	0.57	59.76	2937.26
6	7 (2026-27)		105.33	105.33	5176.46	0.51	53.36	2622.56
7	8 (2027-28)		105.33	105.33	5176.46	0.45	47.64	2341.57
8	9 (2028-29)		105.33	105.33	5176.46	0.40	42.54	2090.69
9	10 (2029-30)		105.33	105.33	5176.46	0.36	37.98	1866.68
10	11 (2030-31)		105.33	105.33	5176.46	0.32	33.91	1666.68
11	12 (2031-32)		105.33	105.33	5176.46	0.29	30.28	1488.11
12	13 (2032-33)		35.93	35.93	1725.49	0.26	9.22	442.89
TOTAL :							10605.48	25835.94

NPV (E) = 15230.46 IRR (E) = 52.52%
BCR (E) = 2.44

ANNEXURE-B

Calculation of Benefit-Cost Ratio (BCR) and
Internal Rate of Return (IRR) as per RDPP



Benefit Cost Ratio(Financial) & Internal Rate of Return(Financial)
(At constant Value)

(Taka in lakh)

Sl. No.	Year	Investment Cost (PV)	Operating Cost (PV)	Total Cost (PV)	Benefit (PV)	Discount Factor 0.1200	Discounted Total Cost	Discounted Total Benefit
0	1	8.00	0.00	8.00	0.00	1.000	8.00	0.000
1	2	3580.00	0.00	3580.00	0.00	0.893	3196.43	0.000
2	3	12398.00	0.00	12398.00	0.00	0.797	9883.61	0.000
3	4		2391.48	2391.48	7748.07	0.712	1702.21	5514.920
4	5		2391.48	2391.48	7748.07	0.636	1519.83	4924.036
5	6		2391.48	2391.48	7748.07	0.567	1356.99	4396.461
6	7		2391.48	2391.48	7748.07	0.507	1211.60	3925.411
7	8		2391.48	2391.48	7748.07	0.452	1081.79	3504.832
8	9		978.59	978.59	2653.55	0.404	395.24	1071.725
9	10		978.59	978.59	2653.55	0.361	352.89	956.897
10	11		978.59	978.59	2653.55	0.322	315.08	854.373
11	12		978.59	978.59	2653.55	0.287	281.32	762.833
12	13		978.59	978.59	2653.55	0.257	251.18	681.101
TOTAL :							21556.17	26592.59

NPV (F) = 5036.42

BCR (F) = 1.23

IRR (F) = 22.72%

Shah

m 

Benefit Cost Ratio (Economic) & Internal Rate of Return (Economic)
(At constant Value)

(Taka in lakh)

Sl. No.	Year	Investment Cost (AV)	Operating Cost (AV)	Total Cost (AV)	Benefit (AV)	Discount Factor 0.1200	Discounted Total Cost	Discounted Total Benefit
0	1	6.56		6.56	0.00	1.000	6.56	0.00
1	2	2985.56		2985.56	0.00	0.893	2665.68	0.00
2	3	10726.24		10726.24	0.00	0.797	8550.89	0.00
3	4		105.33	105.33	5320.47	0.712	74.97	3787.00
4	5		132.50	132.50	5320.47	0.636	84.20	3381.25
5	6		132.50	132.50	5320.47	0.567	75.18	3018.98
6	7		132.50	132.50	5320.47	0.507	67.13	2695.51
7	8		132.50	132.50	5320.47	0.452	59.93	2406.71
8	9		108.53	108.53	1740.64	0.404	43.83	703.02
9	10		108.53	108.53	1740.64	0.361	39.14	627.69
10	11		108.53	108.53	1740.64	0.322	34.94	560.44
11	12		108.53	108.53	1740.64	0.287	31.20	500.39
12	13		108.530	108.530	1740.643	0.257	27.86	446.78
TOTAL :							11761.52	18127.78

NPV (E) = 6366.26

BCR (E) = 1.54

IRR (E) = 27.45%

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28(b)

ANNEXURE-C

Related Documents of RDPP

A handwritten signature or mark, possibly a stylized 'S' or 'Z' with a circular flourish, located at the bottom right of the page.

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
বিদ্যুৎ, জ্বালানি ও খনিজ সম্পদ মন্ত্রণালয়
জ্বালানি ও খনিজ সম্পদ বিভাগ
পরিকল্পনা-২ শাখা

স্মারক নং-২৮.০০.০০০০.৩৭.১৪.১৬৭.২২-০৪

তারিখ: ২০ পৌষ ১৪২৯
০৪ জানুয়ারি ২০২৩

প্রেরক: দিলওয়ারা আলো
উপসচিব

প্রাপক: চেয়ারম্যান
পেট্রোবাংলা
৩ কাওরান বাজার, ঢাকা।

বিষয়: “সিলেট-৮, বিয়ানীবাজার-১ ও কৈলাশটিলা-৭নং কূপ ওয়ার্কওভার (১ম সংশোধিত)” শীর্ষক অনুমোদিত প্রকল্পের প্রশাসনিক আদেশ।

আমি, নিম্নস্বাক্ষরকারী, নির্দেশক্রমে পেট্রোবাংলার আওতাধীন সিলেট গ্যাস ফিল্ডস লিমিটেড (এসজিএফএল) এর নিজস্ব অর্থায়নে বাস্তবায়নের জন্য “সিলেট-৮, বিয়ানীবাজার-১ ও কৈলাশটিলা-৭নং কূপ ওয়ার্কওভার (১ম সংশোধিত)” শীর্ষক অনুমোদিত প্রকল্পের প্রশাসনিক অনুমোদন জ্ঞাপন করছি। অনুমোদিত প্রকল্পটির মোট ব্যয় ১৫৫.১৯ (একশত পঞ্চাশ দশমিক এক নয়) কোটি টাকা। প্রকল্পটি সম্পূর্ণ এসজিএফএল এর নিজস্ব অর্থায়নে বাস্তবায়িত হবে।

২। ১ম সংশোধিত প্রকল্পের অনুমোদিত বাস্তবায়ন মেয়াদকাল জানুয়ারি, ২০২১ থেকে জুন, ২০২৩।

৩। ১ম সংশোধিত অনুমোদিত প্রকল্পের আইটেমসমূহ ও আইটেমওয়ারী ব্যয় নিম্নরূপ:

(লক্ষ টাকায়)

অর্থ কোড/ সাবকোড	অংশের বিবরণ	সংখ্যা/পরিমাণ	নিজস্ব তহবিল (বৈ:মু:)	মোট (বৈ:মু:)
১	২	৩	৪	৫
ক) রাজস্ব (আবর্তক) ব্যয়:				
৩১১১৩৩২	সম্মানী	থোক	৬.০০	৬.০০
৩২১১১০৬	আপ্যায়ন	থোক	৩.০০	৩.০০
৩২১১১০৭	ওয়ার্কওভার অপারেশন ব্যয়	১ প্যাকেজ	১০৭৫০.০০	১০৭৫০.০০
	থার্ড পার্টি ইঞ্জিনিয়ারিং সার্ভিসেস	১ প্যাকেজ	২৬৬৭.০০	২৬৬৭.০০
	মাইক্রোবাস ভাড়া (১টি)	১ সংখ্যা	২৬.৭০	২৬.৭০
	মালামাল পরিবহনের জন্য ভাড়া	১ প্যাকেজ	২২.৫০	২২.৫০
৩২১১১০৯	অনিয়মিত অদক্ষ শ্রমিক	১৮ জন-মাস	২.৭০	২.৭০
৩২১১১২৫	প্রচার ও বিজ্ঞাপন	৬টি	২.০০	২.০০
৩২২১১০৩	প্রাক-জাহাজীকরণ পরিদর্শন (পিএসআই) ফি	০.৩৩৫%	২.০০	২.০০
৩২২১১০৮	ব্যাংক চার্জেস	০.০৮৫%	১৭.৮৪	১৭.৮৪
৩২২১১১৪	পোর্ট চার্জ	২.৭৭%	১৮.০০	১৮.০০
৩২৫৫১০৫	অফিস স্টেশনারি	১ প্যাকেজ	১.৫০	১.৫০
৩২৫৭১০১	বৈদেশিক পরামর্শক সেবা	৬ জন-মাস	১৯৫.০০	১৯৫.০০
৩২৫৭১০৪	আইইই/আইইএ, ডিওই ক্রিয়ারেস	১ প্যাকেজ	৫.৫২	৫.৫২
৩২২১১০৪	ভ্যাট	১৫%	৪২৯.২৯	৪২৯.২৯
৩৮২১১১৬	বীমা	১.৫৭%	৯.৯৫	৯.৯৫
৩৮২১১২৫	এআইটি	৫.২৫%	২৪৪.০০	২৪৪.০০
উপ মোট (রাজস্ব):			১৪৪০৩.০০	১৪৪০৩.০০

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অর্থ কোড/ সাবকোড	অংশের বিবরণ	সংখ্যা/পরিমাণ	নিজস্ব তহবিল (বৈ:মু:)	মোট (বৈ:মু:)
১	২	৩	৪	৫
খ) মূলধন ব্যয়:				
৪১১১৩১৭	রিগ ফাউন্ডেশন মেরামত/ মডিফিকেশন	২ টি	১৬৪.০০	১৬৪.০০
৪১১২২০২	কম্পিউটার ও আনুষঙ্গিক	৯ টি	৫.০০	৫.০০
৪১১২৩০৪	মালামাল	১ প্যাকেজ	৬৩৫.০০	৬৩৫.০০
	স্থানীয়ভাবে সংগৃহীত মালামাল, যন্ত্রপাতি ও স্পেয়ার্স	১ প্যাকেজ	৬.০০	৬.০০
৪১১২৩১৪	আসবাবপত্র	১১টি	২.০০	২.০০
উপ মোট (মূলধন ব্যয়):			৮১২.০০	৮১২.০০
গ) ফিজিক্যাল কনটিনজেন্সি		%	০	০
ঘ) প্রাইস কনটিনজেন্সি		২%	৩০৪.০০	৩০৪.০০
সর্বমোট (ক+খ+গ+ঘ)			১৫৫১৯.০০	১৫৫১৯.০০

৪। প্রত্যেক পাতায় স্বাক্ষরিত অনুমোদিত ১ম সংশোধিত ডিপিপি'র ০১ (এক) প্রস্থ এতদসঙ্গে পরবর্তী ব্যবস্থা গ্রহণের জন্য সংযোজিত হলো।

সংযুক্তি: ০১ (এক) প্রস্থ আরডিপিপি।

(স্বাক্ষর)
০৪/০১/২০২৩
(দিলওয়ার আলী)

উপসচিব

ফোন- +৮৮০২২২৩৩০১২৭

ইমেইল: dsplanning@emrd.gov.bd

স্মারক নং-২৮.০০.০০০০.৩৭.১৪.১৬৭.২২-০৪

তারিখ: ২০ পৌষ ১৪২৯
০৪ জানুয়ারি ২০২৩

সদয় অবগতি ও প্রয়োজনীয় ব্যবস্থা গ্রহণের জন্য অনুলিপি (জ্যেষ্ঠতার ক্রমানুসারে নয়) :

- ১। সিনিয়র সচিব, জনপ্রশাসন মন্ত্রণালয়, বাংলাদেশ সচিবালয়, ঢাকা।
- ২। সিনিয়র সচিব, অর্থ বিভাগ, অর্থ মন্ত্রণালয়, বাংলাদেশ সচিবালয়, ঢাকা।
- ৩। চেয়ারম্যান (সিনিয়র সচিব), জাতীয় রাজস্ব বোর্ড, সেগুনবাগিচা, ঢাকা।
- ৪। সদস্য, সাধারণ অর্থনীতি বিভাগ, পরিকল্পনা কমিশন, শের-ই-বাংলা নগর, ঢাকা।
- ৫। সদস্য, কার্যক্রম বিভাগ, পরিকল্পনা কমিশন, শের-ই-বাংলা নগর, ঢাকা।
- ৬। সদস্য, শিল্প ও শক্তি বিভাগ, পরিকল্পনা কমিশন, শের-ই-বাংলা নগর, ঢাকা।
- ৭। সচিব, বাস্তবায়ন, পরিবীক্ষণ ও মূল্যায়ন বিভাগ, শের-ই-বাংলা নগর, ঢাকা।
- ৮। ব্যবস্থাপনা পরিচালক, এসজিএফএল, লিয়াজৌ অফিস, পেট্রোসেন্টার, ৩ কাওরান বাজার, ঢাকা।
- ৯। প্রকল্প পরিচালক, “সিলেট-৮, বিয়ানীবাজার-১ ও কৈলাশটিলা-৭নং কুপ ওয়ার্কওভার (১ম সংশোধিত)” প্রকল্প।

সদয় অবগতির জন্য অনুলিপি:

- ১। মাননীয় প্রতিমন্ত্রীর একান্ত সচিব, বিদ্যুৎ, জ্বালানি ও খনিজ সম্পদ মন্ত্রণালয়।
- ২। সচিব এর একান্ত সচিব, জ্বালানি ও খনিজ সম্পদ বিভাগ।
- ৩। উপসচিব, বাজেট অধিশাখা, জ্বালানি ও খনিজ সম্পদ বিভাগ।
- ৪। হিসাবরক্ষণ কর্মকর্তা, জ্বালানি ও খনিজ সম্পদ বিভাগ।
- ৫। অতিরিক্ত সচিব (পরিকল্পনা) এর ব্যক্তিগত কর্মকর্তা, জ্বালানি ও খনিজ সম্পদ বিভাগ।
- ৬। যুগ্মসচিব (পরিকল্পনা) এর ব্যক্তিগত কর্মকর্তা, জ্বালানি ও খনিজ সম্পদ বিভাগ।
- ৭। সংশ্লিষ্ট নথি/গার্ড ফাইল।

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
বিদ্যুৎ, জ্বালানি ও খনিজ সম্পদ মন্ত্রণালয়
জ্বালানি ও খনিজ সম্পদ বিভাগ
পরিকল্পনা-২ অধিশাখা



নং-২৮.০০.০০০০.০৩৮.০১৪.০৬৯.২০/৩৩

তারিখ : ০৮.০২.২০২১

প্রেরক : মোঃ হাসানুজ্জামান
উপসচিব

প্রাপক : চেয়ারম্যান
পেট্রোবাংলা
৩ কাওরান বাজার, ঢাকা।

বিষয় : “সিলেট-৮, বিয়ানীবাজার-১ ও কৈলাশটিলা-৭নং কূপ ওয়ার্কওভার” শীর্ষক অনুমোদিত প্রকল্পের প্রশাসনিক আদেশ।

আমি, নিম্নস্বাক্ষরকারী, নির্দেশক্রমে পেট্রোবাংলার আওতাধীন সিলেট গ্যাস ফিল্ডস লিমিটেড (এসজিএফএল) এর নিজস্ব অর্থায়নে বাস্তবায়নের জন্য প্রস্তাবিত “সিলেট-৮, বিয়ানীবাজার-১ ও কৈলাশটিলা-৭নং কূপ ওয়ার্কওভার” শীর্ষক অনুমোদিত প্রকল্পের প্রশাসনিক অনুমোদন জ্ঞাপন করছি। অনুমোদিত প্রকল্পটির মোট ব্যয় ১৬৩.৩২ (একশত তেষট্টি দশমিক তিন দুই) কোটি টাকা। প্রকল্পটি সম্পূর্ণ এসজিএফএল এর নিজস্ব অর্থায়নে বাস্তবায়িত হবে।

২। প্রকল্পের অনুমোদিত বাস্তবায়ন মেয়াদকাল জানুয়ারি, ২০২১ থেকে ডিসেম্বর, ২০২২

৩। অনুমোদিত প্রকল্পের আইটেমসমূহ ও আইটেমওয়ারী ব্যয় নিম্নরূপ :

(লক্ষ টাকায়)

অর্থ কোড/ সাবকোড	অঙ্গের বিবরণ	সংখ্যা/পরিমাণ	নিজস্ব তহবিল (বৈ:মু:)	মোট (বৈ:মু:)
১	২	৩	৪	৫
ক) রাজস্ব (আবর্তক) ব্যয়:				
৩১১১৩৩২	সম্মানী ভাতা	থোক	৮.০০	৮.০০
৩২১১১০৬	আপ্যায়ন খরচ	থোক	৩.০০	৩.০০
৩২১১১০৭	(ক) ওয়ার্কওভার অপারেশন ব্যয়	১ প্যাকেজ	১২৩৬৯.০০	১২৩৬৯.০০
	(খ) থার্ড পার্টি ইঞ্জিনিয়ারিং সার্ভিসেস	১ প্যাকেজ	২২৩৭.০০ (১৬৬৩.০০)	২২৩৭.০০ (১৬৬৩.০০)
	(গ) মাইক্রোবাস ভাড়া (১টি)	২২ মাস	২৬.৭০	২৬.৭০
	(ঘ) মালামাল পরিবহনের জন্য ভাড়া	১ প্যাকেজ	২২.৫০	২২.৫০
৩২১১১০৯	অনিয়মিত অদক্ষ শ্রমিক	১৫ জন-মাস	২.২৫	২.২৫
৩২১১১২৫	প্রচার ও বিজ্ঞাপন	৬টি	২.০০	২.০০
৩২১১০৩	প্রাক-জাহাজীকরণ পরিদর্শন (পিএসআই) ফি	০.৩৩৫%	২.০০ (২.০০)	২.০০ (২.০০)
৩২২১১০৮	ব্যাংক চার্জেস	০.০৮৫%	১৪.৫৮	১৪.৫৮
৩২১১১৪	পোর্ট চার্জ	২.৭৭%	১৭.০০	১৭.০০
৩২৫৫১০৫	অফিস স্টেশনারি	১ প্যাকেজ	১.৫০	১.৫০
৩২৫৭১০১	বৈদেশিক পরামর্শক সেবা	৬ জন-মাস	২৬৯.০০ (২৬৭.০০)	২৬৯.০০ (২৬৭.০০)
৩২৫৭১০৪	আইইই/আইএ, ডিও ই ক্লিয়ারেন্স	১ প্যাকেজ	১৫.০০	১৫.০০
৩২২১১০৪	ভ্যাট	১৫%	৩৩৫.৫৫	৩৩৫.৫৫
৩৮২১১১৬	বীমা	১.১৫%	৭.১৫	৭.১৫
৩৮২১১২৫	এআইটি	৫.২৫%	২০০.৭৭	২০০.৭৭
উপ মোট (রাজস্ব):			১৫৫৩৩.০০ (১৯৩২.০০)	১৫৫৩৩.০০ (১৯৩২.০০)

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২৭(৩)

অর্থ কোড/ সাবকোড	অজোর বিবরণ	সংখ্যা/পরিমাণ	নিজস্ব তহবিল (বৈ:মু:)	মোট (বৈ:মু:)
১	২	৩	৪	৫
খ) মূলধন ব্যয়:				
৪১১১৩১৭	রিগ ফাউন্ডেশন মেরামত/ মডিফিকেশন	২ টি	১৬৪.০০	১৬৪.০০
৪১১২২০২	কম্পিউটার ও আনুষঙ্গিক (ডেস্কটপ-৩টি, লেজার প্রিন্টার-৩টি, ল্যাপটপ-১টি, ফটোকপিয়ার-১টি, স্ক্যানার-১টি)	৯ টি	৫.০০	৫.০০
৪১১২৩০৪	(ক) ওয়ার্ক ওভার মালামাল	১ প্যাকেজ	৬২২.০০ (৬২২.০০)	৬২২.০০ (৬২২.০০)
	(খ) স্থানীয়ভাবে সংগৃহীত মালামাল, যন্ত্রপাতি ও স্পয়ার্স	১ প্যাকেজ	৬.০০	৬.০০
৪১১২৩১৪	আসবাবপত্র (চেয়ার, টেবিল, কেবিনেট, বুক সেলফ, আলমিরা)	১১টি	২.০০	২.০০
উপ মোট (মূলধন ব্যয়):			৭৯৯.০০ (৬২২.০০)	৭৯৯.০০ (৬২২.০০)
সর্বমোট			১৬৩৩২.০০ (২৫৫৪.০০)	১৬৩৩২.০০ (২৫৫৪.০০)

৪। প্রত্যেক পাতায় স্বাক্ষরিত অনুমোদিত ডিপিপি'র এক প্রস্থ এতদসঙ্গে পরবর্তী ব্যবস্থা গ্রহণের জন্য সংযোজিত হলো।

স্বা/-
(মোঃ হাসানুজ্জামান)
উপসচিব
ফোন-৯৫৫৮১১৯

নং-২৮.০০.০০০০.০৩৮.০১৪.০৬৯.২০/৩৩

তারিখ : ০৮.০২.২০২১

সদয় অবগতি ও প্রয়োজনীয় ব্যবস্থা গ্রহণের জন্য অনুলিপি (জ্যেষ্ঠতার ক্রমানুসারে নয়) :

- ১। চেয়ারম্যান (সিনিয়র সচিব), জাতীয় রাজস্ব বোর্ড, সেগুনবাগিচা, ঢাকা।
- ২। সদস্য (সিনিয়র সচিব), সাধারণ অর্থনীতি বিভাগ, পরিকল্পনা কমিশন, শের-ই-বাংলা নগর, ঢাকা।
- ৩। সিনিয়র সচিব, অর্থ বিভাগ, অর্থ মন্ত্রণালয়, বাংলাদেশ সচিবালয়, ঢাকা।
- ৪। সদস্য (সচিব), কার্যক্রম বিভাগ, পরিকল্পনা কমিশন, শের-ই-বাংলা নগর, ঢাকা।
- ৫। সচিব, জনপ্রশাসন মন্ত্রণালয়, বাংলাদেশ সচিবালয়, ঢাকা।
- ৬। সদস্য, শিল্প ও শক্তি বিভাগ, পরিকল্পনা কমিশন, শের-ই-বাংলা নগর, ঢাকা।
- ৭। সচিব, বাস্তবায়ন, পরিবীক্ষণ ও মূল্যায়ন বিভাগ, শের-ই-বাংলা নগর, ঢাকা।
- ৮। মাননীয় প্রতিমন্ত্রীর একান্ত সচিব, বিদ্যুৎ, জ্বালানি ও খনিজ সম্পদ মন্ত্রণালয়।
- ৯। সিনিয়র সচিব এর একান্ত সচিব, জ্বালানি ও খনিজ সম্পদ বিভাগ।
- ১০। ব্যবস্থাপনা পরিচালক, এসজিএফএল, লিয়াজৌ অফিস, পেট্রোসেন্টার, ও কাওরান বাজার, ঢাকা।
- ১১। অতিরিক্ত সচিব (পরিকল্পনা) এর ব্যক্তিগত কর্মকর্তা, জ্বালানি ও খনিজ সম্পদ বিভাগ।
- ১২। যুগ্মসচিব (পরিকল্পনা) এর ব্যক্তিগত কর্মকর্তা, জ্বালানি ও খনিজ সম্পদ বিভাগ।
- ১৩। সংশ্লিষ্ট নথি/গার্ড ফাইল।

০৮.০২.২১
(মোঃ হাসানুজ্জামান)
উপসচিব

ANNEXURE-D

Technical Findings



TECHNICAL FINDINGS

As per the results and recommendations of the 3D seismic survey review report provided by M/s. Schlumberger SEACO Inc. and the recommendation of the committee formed by Petrobangla (office order no. 02.0000.011.37.051.18.196, dated 07.01.2018) has undertaken the project "Workover of well no. Sylhet-8, Beanibazar-1 and Kailashtilla-7." The DPP of the project was approved by the Ministry of Power, Energy and Mineral Resources on 08.02.2021. As per DPP, the project cost was 16332.00 lac taka and the implementation period was January 2021 to December 2022. RDPP of the project was approved by the Ministry on 04.01.2023. As per the RDPP the project cost was 15519.00 lac taka and the implementation period was January 2021 to June 2023.

A technical meeting held on 02-01-2022 among the representative of Petrobangla, SGFL, BAPEX, Wireline Logging Services Provider (CPL) and Foreign Consultant on the issues to be done after DST of the well Sylhet-8. After detail discussion it was agreed by all participants in the meeting to complete the well at the perforation interval 1397-1401 mMD at middle bokabil. After workover the well was producing gas at the rate of 4.5 mmscf with 5.7 bbl/mmscf of condensate. The wellhead flowing pressure was 1380 psi.

Another technical meeting held on 15-11-2022 among the representative of Petrobangla, SGFL, BAPEX, Wireline Logging Services Provider (CPL) and Foreign Consultant on the issues to be done after DST of the well Beanibazar-1. After detail discussion it was agreed by all participant in the meeting to complete the well at the perforation interval 3251.7-3254.7 mMD at UGS (upper gas sand). After workover the well was producing gas at the rate of 8.0 mmscf with 18.5 bbl/mmscf of condensate. The wellhead flowing pressure was 3420 psi.

Another one technical meeting held on 06-03-2022 among the representative of Petrobangla, SGFL, BAPEX, Wireline Logging Services Provider (CPL) and Foreign Consultant on the issues to be done after DST of the well Kailashtilla-7. After detail discussion it was agreed by all participants in the meeting to complete the well at the perforation interval 2990.7-2996.2 mMD at LGS (lower gas sand). After workover the well was producing gas at the rate of 19.0 mmscf with 12.0 bbl/mmscf of condensate. The wellhead flowing pressure was 3105 psi.





SGFL
Dhaka, Bangladesh

**DST Formation Testing Final
Report
Well Seylhet-8
Intervals 1397 - 1401 mts**

Elaboration Date:
January 20 2022
Revision # 1.1

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6. TECHNICAL INFORMATION

6.1 PIPE MOVEMENT ANALYSIS

6.1.1 PRODUCTION SCENARIO

ALMANSOORI

Tubing Movement Results

SGFL: SYLHET 8

Scenario

Gas Production

Temperature

	Initial	Final	Units
Surface	80	100	Temperature: °F
Bottom Hole	130	132	

Applied Pressure

	Initial	Final	Units
Tubing	0	1600	Pressure: psi
Casing Top Annulus	2100	2500	

Applied Tubing Load

	20,000	Slack Off (Compression)	Units
Applied Load Reaching Packer	18,424	Slack Off (Compression)	Load: Lbs

Fluid Weight

	Initial		Final		Units
	Weight	Level	Weight	Level	Weight: Lb/Ft
Casing	9.3	Full	9.32	Full	Level: Ft. from Surface
Tubing	8.3	1978 ft.	8.33		

Packer to Tubing Effects

Force & Movement

	Force	ΔLength
Piston	2,715 ↓	0.65 ↓
Buckling	0 —	0.00 —
Ballooning	3,336 ↑	0.80 ↑
Temperature	11,684 ↓	2.82 ↓
Applied Load	20,000 ↓	5.52 ↓
Net Effect	31,063 ↓	8.19 ↓

Legend: Blue: Compression or Elongation; Red: Tension or Contraction
Packer to Tubing Forces in Lbs, Length changes in inches

31(6)



8. MEMORY GAUGES DATA

ITEM	DESCRIPTION	SERIAL #	START DATE	END DATE	TOTAL DAYS WORKED	TOTAL HOURS WORKED
1	Quarz Memory Gauge	224165	23/12/2021 17:00	28/12/2021 23:44	5.28	126.75
2	Quarz Memory Gauge	227760	23/12/2021 17:00	29/12/2021 0:09	5.30	127.15
3	Quarz Memory Gauge	189463	23/12/2021 17:00	28/12/2021 23:42	5.28	126.71
4	Quarz Memory Gauge	227752	23/12/2021 17:00	28/12/2021 23:14	5.26	126.24

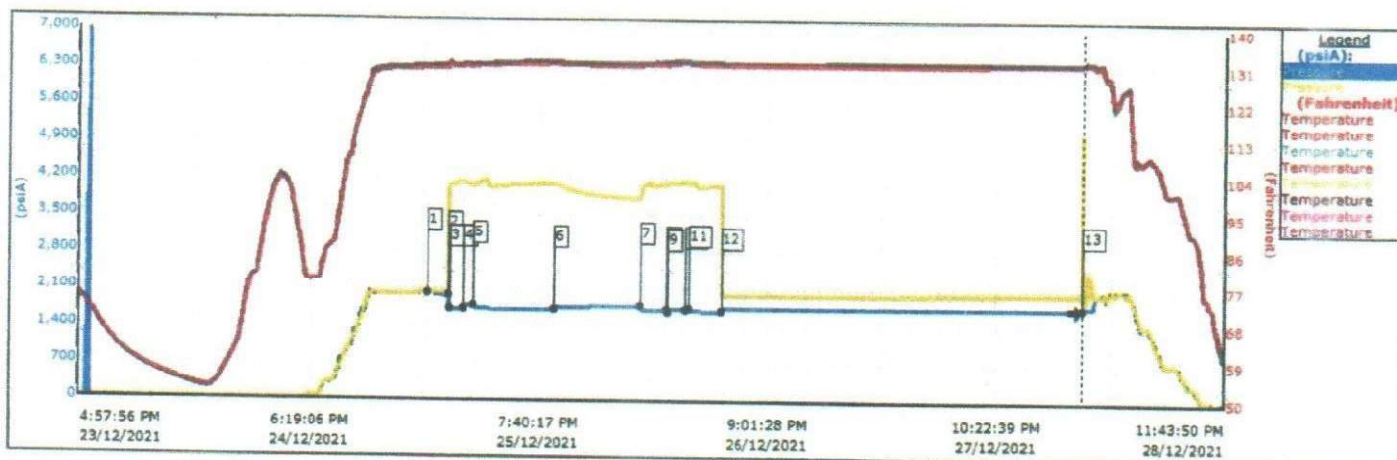
224165 TUBING UPPER GC
189463 TUBING LOWER GC
227760 TUBING LOWER GC
227752 ANNULUS UPPER GC

LOWER GAUGE CARRIER DEPTH:
MD: 1,377.52 M.
TVD:1,277.52 M.
UPPER GAUGE CARRIER DEPTH:
MD: 1,370.37 M.
TVD: 1,270.27 M.

31(c)



8.1 224165 TUB. / 227752 ANNUL. PRESSURE AND TEMPERATURE GRAPH



Job Log: Complete Graph

Label	Time	Pressure (psiA)	Temperature (Fahrenheit)	Comments
1	25/12/2021 7:41:08 AM	2015.120	130.890	Setting Packer
2	25/12/2021 9:54:41 AM	1960.590	131.010	Opening LPR
3	25/12/2021 10:05:09 AM	1710.900	131.750	Choke changed to 28/64"
4	25/12/2021 11:30:52 AM	1722.340	131.210	Well Closed at Choke Manifold
5	25/12/2021 12:35:40 PM	1784.440	131.190	Opening Well 24/64" Choke
6	25/12/2021 9:30:45 PM	1714.910	131.920	Closing Well at Choke Manifold
7	26/12/2021 7:05:44 AM	1776.590	131.620	Opening Well 24/64" Choke
8	26/12/2021 9:53:45 AM	1712.390	131.830	Well lined up to Separator
9	26/12/2021 10:00:30 AM	1662.050	131.350	Choked changed to 20/64"
10	26/12/2021 12:01:31 PM	1725.810	132.240	Well close at choke manifold
11	26/12/2021 12:22:57 PM	1749.810	132.160	Well opened choke 24/64"
12	26/12/2021 4:03:33 PM	1697.930	131.860	Well close at bottom. LPR Close annulus pressure released to 0 psi.
13	28/12/2021 8:01:15 AM	1769.510	131.980	Finalizing Build up. Starts Well Control

25/02/2022

ALMANSOORI PRODUCTION SERVICES
DST PRODUCT LINE

24

31(d)



Sylhet Gas Field Limited
Dhaka, Bangladesh

DST Formation Testing Final
Report
Well Beanibazar 1
Intervals 3,251-3,254 mts

Elaboration Date:
NOV 24th 2022
Revision # 1.0

A handwritten signature in black ink, consisting of a stylized 'S' and 'G' followed by a flourish.

31(e)



5.TECHNICAL INFORMATION

5.1 PIPE MOVEMENT ANALYSIS

5.1.1 PRODUCTION SCENARIO



Tubing Movement Results

SGFL: Beanibazar 1 1 Beanibazar 1					
Scenario		Gas Production			
Temperature		Initial	Final	Units	
Surface		83	124	Temperature: °F	
Bottom Hole		183	192		
Applied Pressure		Initial	Final	Units	
Tubing		0	3560	Pressure: psi.	
Casing Top Annulus		1500	3500		
Applied Tubing Load		30,000 Slack Off (Compression)		Units	
Applied Load Reaching Packer		22,133 Slack Off (Compression)		Load: Lbs.	
Fluid Weight		Initial		Final	
		Weight	Level	Weight	Level
Casing		9.0	Full	9.02	Full
Tubing		8.3	6229 ft.	1.80	Full

Packer to Tubing Effects

Force & Movement		
	Force	ΔLength
Piston	4,011 ↑	6.31 ↑
Buckling	0 —	0.00 —
Ballooning	8,479 ↓	13.33 ↓
Temperature	14,710 ↓	23.13 ↓
Applied Load	30,000 ↓	53.19 ↓
Net Effect	49,178 ↓	83.35 ↓

Legend: Blue: Compression or Elongation; Red: Tension or Contraction
Packer to Tubing Forces in Lbs, Length changes in inches

31 (A)



7. MEMORY GAUGES DATA

ITEM	DESCRIPTION	SERIAL #	START DATE	END DATE	TOTAL DAYS WORKED	TOTAL HOURS WORKED
1	Quarz Memory Gauge	227752	08/11/2022 18:44	16/11/2022 18:30	7.99	191.77
2	Quarz Memory Gauge	188237	08/11/2022 18:00	16/11/2022 19:17	8.05	193.29
3	Quarz Memory Gauge	193933	08/11/2022 18:35	16/11/2022 18:30	8.00	191.91
4	Quarz Memory Gauge	189463	08/11/2022 18:00	16/11/2022 19:44	8.07	193.75

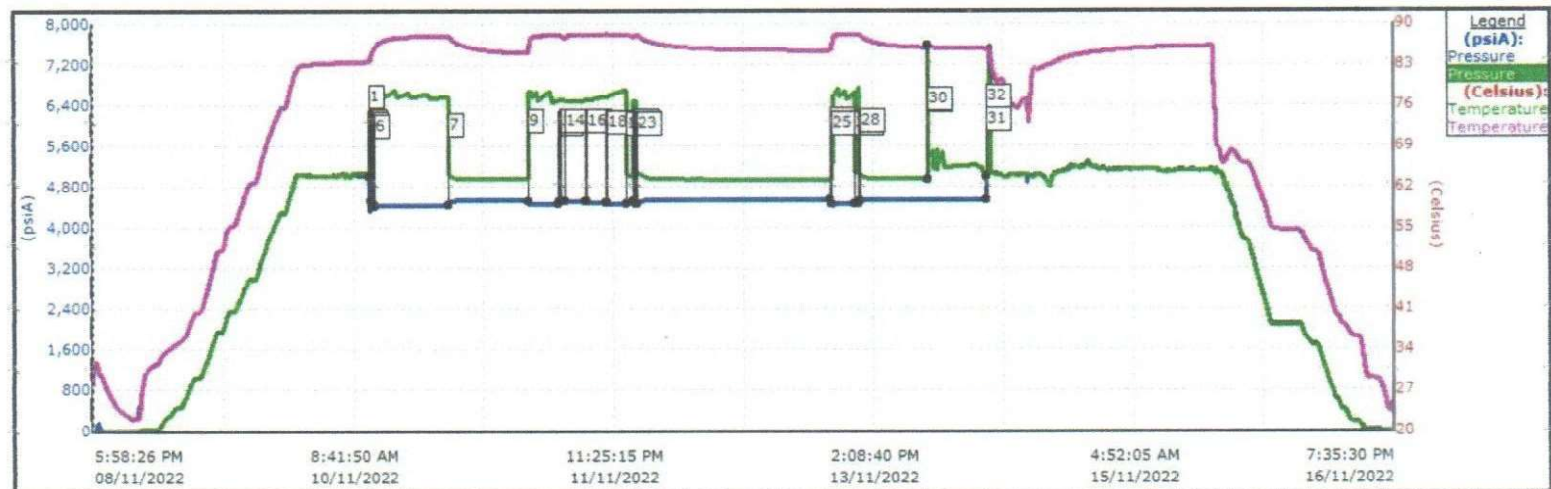
Upper GC Depth MD (mt)	3,182.90
Lower GC Depth MD (mt)	3,190.26
Upper GC Depth TVD (mt)	3,182.90
Lower GC Depth TVD (mt)	3,190.26

Item	Gauge Serial #	Gauge Carrier Position
1	227752	Annulus UGC 15 sec
2	188237	Tubing UGC 1 sec
3	193933	Tubing UGC 5 sec
4	189463	Tubing LGC 1 sec

31(g)



7.1 193933 TUB. / 227760 ANNUL. PRESSURE AND TEMPERATURE GRAPH



Job Log: Complete Graph

Label	Time	Pressure (psiA)	Temperature (Celsius)	Comments
1	10/11/2022 11:19:50 AM	5002.654		Opening Well 25/64 Choke
2	10/11/2022 11:28:30 AM	4522.576		Choke changed to 24/64
3	10/11/2022 11:33:15 AM	4523.128		Choke changed to 29/64
4	10/11/2022 11:40:00 AM	4513.336		Choke changed to 36/64
5	10/11/2022 11:52:00 AM	4475.202		Choke changed to 28/64
6	10/11/2022 12:03:35 PM	4405.961		Choke changed to 24/64
7	10/11/2022 11:11:05 PM	4452.447		Annulus Pressure bled to 0 psi LPR closed
8	11/11/2022 11:00:10 AM	4522.315		Apply annulus pressure 1600 psi to open LPR
9	11/11/2022 11:02:50 AM	4519.516		Opening Choke Manifold 24/64 Choke
10	11/11/2022 3:33:40 PM	4484.391		choke changed to 16/64 adjustable
11	11/11/2022 3:43:10 PM	4511.687		Choke changed to fixed 16/64 choke
12	11/11/2022 3:51:50 PM	4510.710		Well closed at choke manifold
13	11/11/2022 4:26:40 PM	4533.323		Choke manifold open well flowing 16/64 choke
14	11/11/2022 4:27:35 PM	4509.964		Well lined up to Separator
15	11/11/2022 7:29:30 PM	4509.180		Changing choke to 16/64 adjustable
16	11/11/2022 7:39:00 PM	4509.247		Changing choke to 20/64 fixed
17	11/11/2022 10:33:10 PM	4489.560		By passing separator
18	11/11/2022 10:45:10 PM	4489.274		Choke changed to 24/64
19	12/11/2022 1:37:55 AM	4464.773		Annulus pressure Bled LPR close
20	12/11/2022 2:35:20 AM	4531.046		Pressure up annulus to reopen the LPR choke manifold closed
21	12/11/2022 2:44:15 AM	4530.947		Opening choke manifold choke 24/64 well lined up to flare
22	12/11/2022 2:57:30 AM	4464.479		Annulus pressure bled to 0 psi closing LPR
23	12/11/2022 3:05:05 AM	4470.825		Closing choke manifold
24	13/11/2022 8:05:05 AM	4533.681		Choke manifold open
25	13/11/2022 8:19:00 AM	4464.585		Pressure up annulus 1500 psi to open the LPR choke 24/64
26	13/11/2022 11:37:35 AM	4462.803		Commence to cycle Omni valve to blank position to take downhole shut in Pressure up annulus to 1700 psi
27	13/11/2022 12:18:50 PM	4466.761		Omni cycling to blank position starting build up
28	13/11/2022 12:25:00 PM	4532.386		Closing Choke manifold
29	13/11/2022 10:27:45 PM	7584.545	85.228	Pressure up annulus to 2570 psi to operate the Kill valve
30	13/11/2022 10:30:00 PM	4959.628	85.036	Starting Reverse Circulation to control de well
31	14/11/2022 7:12:25 AM	4535.516		Opening Packer by Pass
32	14/11/2022 7:11:30 AM	5011.740	85.759	Starting Direct Circulation

31 (h)



Sylhet Gas Field Limited
Dhaka, Bangladesh

**DST Formation Testing Final
Report /DST 1A
Well KTL # 7
Intervals 2990.5-2996 mts**

Elaboration Date:
May 31st 2022
Revision # 1.0

31(2)



6.0 TECHNICAL INFORMATION

6.1 PIPE MOVEMENT ANALYSIS

6.1.1 PRODUCTION SCENARIO



Tubing Movement Results

SGFL: KAILASHTILLA-07

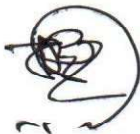
Scenario	Gas Production			
Temperature	Initial	Final	Units	
Surface	80	45	Temperature: °F	
Bottom Hole	167	171		
Applied Pressure	Initial	Final	Units	
Tubing	0	2736	Pressure: psi	
Casing Top Annulus	2000	2000		
Applied Tubing Load	20,000	Stack Off (Compression)	Units	
Applied Load Reaching Packer	18,473	Stack Off (Compression)	Load: Lbs.	
Fluid Weight	Initial	Final	Units	
	Weight	Level	Weight	Level
Casing	9.0	Full	9.00	Full
Tubing	8.3	8560 ft.	2.78	

Packer to Tubing Effects

Force & Movement	Force	ΔLength
Piston	7,356 ↓	7.91 ↓
Buckling	0 —	0.00 —
Ballooning	677 ↑	0.73 ↑
Temperature	11,752 ↑	12.64 ↑
Applied Load	20,000 ↓	22.15 ↓
Net Effect	14,927 ↓	16.69 ↓

Legend: Blue: Compression or Elongation, Red: Tension or Contraction

Packer to Tubing Forces in Lbs, Length changes in inches



31(7)



8. MEMORY GAUGES DATA

ITEM	DESCRIPTION	SERIAL #	START DATE	END DATE	TOTAL DAYS WORKED	TOTAL HOURS WORKED
1	Quartz Memory Gauge	189446	23.04.22	28.04.22	5 DAYS	110 HRS
2	Quartz Memory Gauge	227752	23.04.22	28.04.22	5 DAYS	110 HRS
3	Quartz Memory Gauge	189463	23.04.22	28.04.22	5 DAYS	110 HRS
4	Quartz Memory Gauge	193933	23.04.22	28.04.22	5 DAYS	110 HRS

227752 TUBING UPPER GC

189463 TUBING LOWER GC

189446 TUBING LOWER GC

193933 ANNULUS UPPER GC

LOWER GAUGE CARRIER DEPTH:

MD: 2970.02 M.

TVD: 2970.02 M.

UPPER GAUGE CARRIER DEPTH:

MD: 2962.96 M.

TVD: 2962.96 M.

31/05/2022

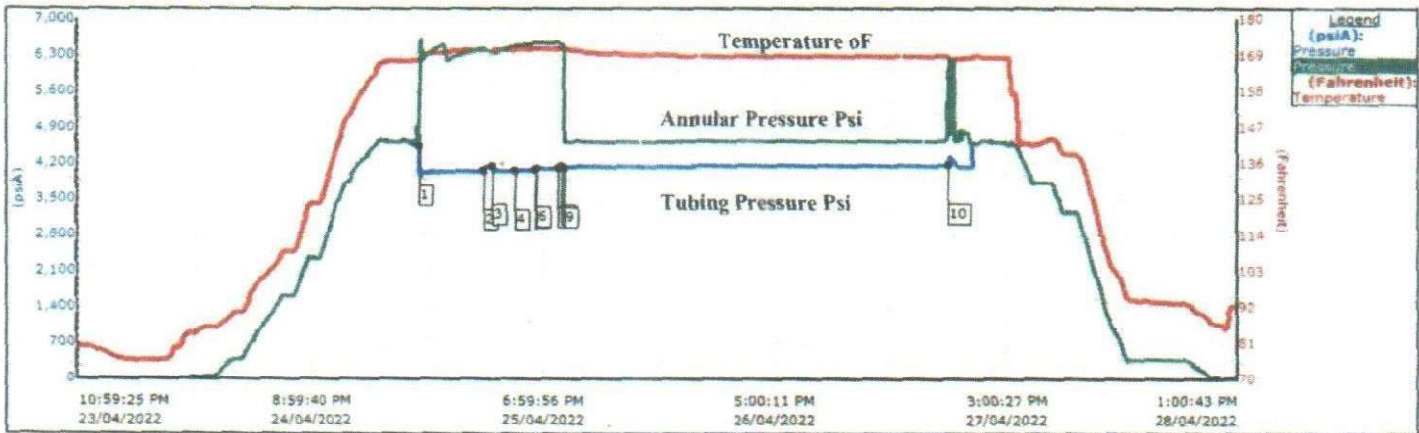
ALMANSOORI PRODUCTION SERVICES
DST PRODUCT LINE

22

31(k)



8.1 189446 TUB. / 193933 ANNUL. PRESSURE AND TEMPERATURE GRAPH



Job Log: Complete Graph

Label	Time	Pressure (psiA)	Temperature (Fahrenheit)	Comments
1	25/04/2022 7:29:48 AM	4522.410	167.540	Open Well, opening LPR
2	25/04/2022 1:34:38 PM	4050.900	170.820	Well Shut in at choke. Manifold
3	25/04/2022 2:30:00 PM	4145.120	170.160	Start opening well thru choke manifold, choke 32/64"
4	25/04/2022 4:32:54 PM	4051.330	170.730	Changing choke to 28/64" Adjustable
5	25/04/2022 6:28:35 PM	4075.000	170.970	Changing choke to 24/64" adjustable
6	25/04/2022 6:38:04 PM	4106.120	171.100	Changing choke to 24/64" fixed
7	25/04/2022 8:34:21 PM	4089.010	171.100	Well Shut in at choke manifold
8	25/04/2022 8:59:02 PM	4142.430	170.930	Open well thru choke manifold, choke 24/64"
9	25/04/2022 9:08:33 PM	4091.910	171.070	Shut in Well at bottom, closing LPR
10	27/04/2022 9:34:04 AM	4156.280	166.870	Start Well Killing process



31(2)