

(18)

No. Expl-10(1)Miscellaneous/2015
Government of Pakistan
Ministry of Petroleum and Natural Resources
Directorate General of Petroleum Concessions
1019-A, Pak Plaza, Blue Area, Islamabad


Islamabad the 10th July 2015

All E&P Companies operating in Pakistan
(List attached)

**Subject: FORMATS/ TEMPLATES FOR SUBMISSION OF THE CASES/
APPLICATIONS BY E&P COMPANIES**

I am directed to say that with the objective to streamline and fast track the processing of the different requests/ cases of E&P Companies with regard to well commencement/ abandonment notices, discovery notices, declaration of commerciality and grant of lease/ extensions etc, this Directorate have prepared separate formats/ templates in consultation with PEPCA. A set of said templates is attached herewith with the request to ensure submission of all future requests /cases strictly as per said templates else the applications would not be considered/ returned.

Yours truly,



(IMRAN AHMED)

Director (Exploration)

For Director General Petroleum Concession

Encl: As Above

List of E & P Companies

1.	General Manager Bhpbilliton House # 42, Khayaban-e-Iqbal, F-7/2, <u>Islamabad.</u> Tel:051-111247725 Fax: 051-2651705	2.	Director Operations NATIVUS Resources Limited House No. 39, Street No. 2, G-10/3, <u>Islamabad.</u> Tel: 051-2352628, 30 Fax: Fax: 2352631
3.	Managing Director Eni Pakistan Ltd. The Forum, G-20, Block 9, Khayaban-e-Jami, Clifton, <u>Karachi.</u> Tel: 021-5879951 Fax: 021-35838394-5	4.	Managing Director Mari Petroleum Company Ltd. Plot No. 21, Mauve Area, 3 rd Road, G-10/4, P.O. Box 1614, <u>Islamabad.</u> Tel: 051-2297683 Fax: 051-2352859
5.	President/CEO, Hycarbex Inc. H.No. 3 St. No. 32, F-8/1, <u>Islamabad.</u> Tel: 051-2114341-4 Fax: 051-2114345	6.	Managing Director, Oil & Gas Development Company Ltd., OGDC House, Jinnah Avenue, Blue Area, <u>Islamabad.</u> Tel: 051-9209702 Fax: 051-2623113-8
7.	Chief Operating Officer Ocean Pakistan Limited Plot No.18-A & 19-A Mauve Area, G-10/4, <u>Islamabad.</u> Tel: 051-2351000-7 Fax: 051-2351044	8.	The General Manager OMV (Pakistan) Exploration G.m.b.H. Islamabad Stock Exchange Building Floor No.15, 55-B, Jinnah Aenue, <u>Islamabad.</u> Tel: 051-2894840-07 Fax: 051-2894870-71
9.	President/Chief Executive Spud Energy Pty Limited House No.12A, Street 86, G-6/3, <u>Islamabad.</u> Tele: 051-2825011-3 Fax: 051-2870331	10.	Chief Executive Petroleum Exploration (Pvt) Ltd. 20, Margala Road, F-8/3, <u>Islamabad.</u> Tel: 051- 2287170-75 Fax: 051-2287154-55.
11.	Chief Executive Pakistan Oilfields Ltd. POL House, P.O. Refinery, Morgah, <u>Rawalpindi.</u> Tel:051-5487589-97 Fax: 051-5487598-99	12.	Managing Director Pakistan Petroleum Ltd. PIDC House, Dr. Ziauddin Ahmed Road, P.O. Box 3942, <u>Karachi – 75530.</u> Tel: 021-5683853 Fax: 021-35652125
13.	Country Manager, Tullow Pakistan (Developments) Ltd. 5, Street 34, Sector F-8/1, <u>Islamabad.</u> Tel: 051-2856850 Fax: 051-2856855	14.	Chief Operating Officer Saif Energy Limited House No.12, St. No.34, F-7/1, <u>Islamabad.</u> Tel: 051-2609130-2 Fax: 051-2609129
15.	Chairman Dewan Petroleum Limited. H. No 46, Nazim-ud-Din Road, F-7/4, <u>Islamabad.</u> Tel: 051- Fax: 051-2655482	16.	Managing Director MOL Oil & Gas Company B.V. Plot No. 5 Crown Plaza F-7 Markaz <u>Islamabad.</u> Tel: 051-2655801-15 Fax: 051-2655827
17.	Director Operations PAIGE Limited (PAIGE), House No. 39, Street No. 2, G-10/3, <u>Islamabad.</u> Tel: 051-2352628, 30 Fax: Fax: 2352631	18.	President United Energy Pakistan Limited House No. 8 Street No. 1 F-6/3, <u>Islamabad.</u> Tel: 051-2821488 Fax: 051-2824647
19.	Chief Executive RDC International (Pvt) Limited House No. 39, Street No. 2, G-10/3	20.	General Manager Oil and Gas Investment Limited 508, Fifth Floor Continental Trade Centre

Template for Well Commencement Notice

Attachment A: TEMPLATE FOR WELL COMMENCEMENT NOTICE

Description		Data Input/Info
1.	Company Name	
2.	Block/License /Lease	
3.	Well Name	
4.	Classification (exploratory, appraisal, development, injection, water disposal or other)	
5.	Location (tehsil/district/province) Marked with adjoining ELs/D&PL/ Blocks.	
6.	Coordinates (lat, long, X Y coordinates)	
7.	Location on Topo Sheet	
8.	Distance from Block Boundary	
9.	Geological Information	
	9.1 Depth structure map	
	9.2 Structural & stratigraphic x-section passing through well location	
	9.3 Formation tops with planned TD, meters inside & formation age	
	9.4 Primary Objective	
	9.5 Secondary Objectives	
	9.6 Analogue well/offset well(s)	
	9.7 Trap type	
	9.8 Hydrocarbon type	
	9.9 Volumetric reserves estimates and/or Material Balance estimates in case of development well.	
	9.10 Chance of geological/technical success	
10.	Geophysical Information	
	10.1 Location on seismic line (with clearly marked SP or in-line & x-line)	
	10.2 Time & depth structure map	
	10.3 Representative / projected dip and strike seismic line passing through/close to well location	
11.	Commitment Well (Y/N)	
12.	Re-entry (Y/N)	

13.	Well Trajectory Type (vertical, horizontal, deviated)
14.	Formation with anticipated drilling problems
15.	Planned Date of Rig Mobilization
16.	Planned Date of spud
17.	Planned date of Completion
18.	Casing Design (attach figure showing details of casing size, grade, depth against formations, and range of mud weight for each hole section)
19.	Cuttings Sampling Program (number of sets of unwashed/washed/washed & dried samples and interval)
20.	Coring Program (formation & length and number of core(s))
21.	Logging Program:
	21.1 Open Hole Logging (type and intervals/formations)
	21.2 Cased Hole Logging (type and intervals/formations)
22.	Time Line (days) – Drilling:
	Testing
	Completion
	Total
23.	Status of EPA Approval (attach copy of EPA approval)
24.	Estimated Cost of the Well - Drilling
	Testing
	Completion
	Total
25.	Primary Operator Contact – Name:
	Contact Number:
	Email:

Other suitable figures/maps / x-sections / seismic sections may also be attached as necessary.

Date: Signature (Operator):.....

Template for Extension or Renewal of Exploration Licence

Template A

Information/Data to be provided by the Operator for Extension of EL (Phase 1)

Block # :

License No:

Phase-1	Work Program			Rent		Social Welfare		Training		Performance Guarantee			Remarks	
	Obligation	Discharged	Outstanding	Due	Paid	Due	Paid	Due	Paid	P C Guarantee	B G	Other		Validity
Year-1 From..... To.....														
Year-2 From..... To.....														
Year-3 From..... To.....														

Phase 1 - Extension(s)

Phase-1	Work Program			Rent		Social Welfare		Training		Performance Guarantee			Remarks	
	Obligation	Discharged	Outstanding	Due	Paid	Due	Paid	Due	Paid	P C Guarantee	B G	Other		Validity
Year 1 Extension 1 From..... To.....														
Extension 2 From..... To.....														
Extension 3 From..... To.....														
Year 2 Extension 1 From..... To.....														
Extension 2 From..... To.....														
Extension 3 From..... To.....														
Year 3 Extension 1 From..... To.....														
Extension 2 From..... To.....														
Extension 3 From..... To.....														

Note: Additional/Actual Work Carried Out in the area over and above the initially work committed: Provide details

Add additional information if necessary

Template B

Information/Data to be provided by the Operator for Renewal in E.I.

Name of Company : _____

Block # : _____

License No: _____

Renewal	Work Program			Rent		Social Welfare		Training		Mandatory Area Reinquishment	Performance Guarantee			Remarks/Justifications	
	Obligation	Discharged	Outstanding	Due	Paid	Due	Paid	Due	Paid		Amount	Validity	Parent Company Guarantee []		Bank Guarantee []
Year-1 From..... To.....															
Year-2 From..... To.....															

Information/Data to be provided by the Operator for Renewal in EL

Renewal	Work Program			Rent		Social Welfare		Training		Mandatory Area Reinquishment	Performance Guarantee			Remarks/Justifications	
	Obligation	Discharged	Outstanding	Due	Paid	Due	Paid	Due	Paid		Amount	Validity	Parent Company Guarantee []		Bank Guarantee []
Year-1 Extension 1 From..... To.....															
Extension 2 From..... To.....															
Extension 3 From..... To.....															
Year-2 Extension 1 From..... To.....															
Extension 2 From..... To.....															

Note: In case of Renewal the Area Rental will change. Also there shall be a fee along with the application of renewal.

Templates for Well Suspension /
Abandonment Notice

Attachment A

Template A- WELL ABANDONMENT NOTICE – FOR EXPLORATION WELL Information/Data to be provided by the Operator at least 30 days in advance of planned abandonment (advance notice period is not required in case of emergency)		
Requisite Information	Info / Data	Remarks
1. Company Name		
2. Well Name with coordinates and location (tehsil/district/province)		
3. License/Lease with district/province		
4. JV Partners with working interest and operator		
5. Geological Information - Formation tested as per approved well commencement		
6. Commitment Well, New well/Re-entry (to ensure committed TD has been achieved in case of commitment well)		
7. Well Type (vertical, horizontal, deviated)		
8. Spud Date, Rig Mobilization Date and Demobilization Plan		
9. Completion Date of Drilling and Testing		
10. Target Formation/Reservoir Depth		
11. Actual Depth drilled		
12. Casing Size and Depth (Attach a well sketch)		
13. DST/Well Testing (testing procedure and results)		
14. Reason of Failure (Attach a brief assessment report)		
15. Details of Plugs and Cement to be placed to safely abandon the well as per Good International Oilfield Practices		
16. Schematic/sketch of well to be abandoned		
17. Any other important aspect that needs to be reported particular to the well to be abandoned.		
To be provided post well abandonment (as per required time line)		
1. Well Completion Report - A copy must be submitted to DGPC within 45 days		
<ul style="list-style-type: none"> a. Ditch samples <ul style="list-style-type: none"> i. Number and interval of unwashed/washed/washed and dried ii. Confirmation that this data has been submitted to DGPC/HDIP with date of transmission b. Coring results/core samples, if any <ul style="list-style-type: none"> i. Number, length of core, core descriptions, sidewall cores and details with descriptions and confirm that this data has been submitted to DGPC/HDIP along with the date of transmission. c. Drilling and Testing time (compared to the estimated time and reasons for delay if any). d. Logging (Open hole/Cased) <ul style="list-style-type: none"> i. Mud Logs ii. Open Hole Logging (type and intervals and confirm that copies have been submitted to DGPC with date of submission) iii. Cased Hole Logging (type and intervals and confirm that copies have been submitted to DGPC with date of submission) e. DST and/or Well Testing reports, as applicable. f. Schematic/sketch of abandoned well. g. Complete report on reason for failure 		
2. Total cost of well abandonment		

Attachment B

Template B- WELL ABANDONMENT NOTICE – FOR DEPLETED WELL OR WELL UNABLE TO BE PRODUCE SAFELY Information/Data to be provided by the Operator at least 30 days in advance of planned abandonment (advance notice period is not required in case of emergency)		
Requisite Information	Info / Data	Remarks
1. Company Name		
2. Well Name with coordinates and location (tehsil/district/province)		
3. License/Lease with district/province		
4. JV Partners with working interest and operator		
5. Geological Information - producing formation		
6. Depleted or Unsafe Well		
7. Well Type (vertical, horizontal, deviated)		
8. Equipment (rig or rigless) Mobilization Date and estimated work duration		
9. Reservoir information:		
Depth		
Zone under production slated for abandonment		
Other zones encountered in the well and their status		
10. Casing Size and Depth (Attach a well sketch)		
11. Technical Reason of Abandonment. Attach a complete report that includes:		
Confirmation that all recoverable reserves have been produced		
No other zones/reservoirs can be accessed thru this well		
Details of unsafe well and required mitigation		
Economics in case well is determined to be uneconomic to produce by the JV		
12. In addition following will be provided *:		
Last recorded production and/or well test rate		
Summary of efforts made to revive production		
Wellhead or plant compression used and last recorded suction pressure		
Summary of Artificial lift methods applied or evaluated; EOR techniques applied or evaluated for the field		
13. Technical details of the abandonment plan including:		
Assurance that complete isolation of reservoir will be achieved with no communication with any known aquifers thru the wellbore.		
Details of Plugs, Cement, other material/equipment to be placed in the well to safely abandon it as per Good International Oilfield Practice		
14. Any other important aspect that needs to be reported particular to the well being abandoned.		
15. Estimated cost for well abandonment.		
To be provided post well abandonment (as per required time line)		
1. Well Abandonment Report - A copy must be submitted to DGPC within 45 days. The report to include the following:		
a. All technical details for the well at the time of abandonment e.g. reservoir pressure, status of the wellbore including fluids left in wellbore, xxxxx		
b. Schematic/sketch of abandoned well.		
2. Total cost of well abandonment.		

* as applicable

Template Approval of Declaration of Commerciality

Template A [Note: In addition Operator to provide an Appraisal Report forming the basis for DOC]

Information/Data to be provided by the Operator for Approval of DOC

Name of Discovery	Activity/ Heading	Data	Remarks
Licence Area [or if discovery in Lease Area]	Exploration Summary:		
	<p>a) Exploration History: Provide brief summary of all historical and Operator's exploration activities in the area. Geological and Geophysical Evaluation: Include results of any study e.g. paleontological, sedimentological, seismic stratigraphy etc.</p> <p>b) Stratigraphical and structural description of the area and discovery structure in the regional context including generalized lithological column (with age) of the area and actual drilled in the discovery/appraisal well with depositional environments etc.</p> <p>d) Description of events & results of exploratory and appraisal wells. Include depth structure map showing location of well and representative seismic section</p> <p>e) DST Results: Details of DST results</p> <p>f) Well Completion: Methodology in brief with production test results.</p> <p>g) And if applicable - Results of EWT.</p> <p>h) Discovery Area: Describe in brief about the closure of area and give surface area of discovery with coordinates (include depth structure map with wells location bounded by concession map)</p> <p>i) Reservoir Properties & Characterization: Table showing thickness, porosity, water saturation etc. for reservoirs</p>		
1-	All relevant geological information including (structure map, logs, gross and net pay, estimated porosity and permeability)		
2-	Activity set for field development		
	No of wells (firm + contingent)		
	Key equipment		
	Transportation system		
3-	Assumptions/data for:		
	a. In-Place and recoverable reserves (proved, probable, as per SPE definitions)		
	b. Price (hydrocarbons to be produced) as per applicable fiscal Regime		
4-	Production profiles		
5-	Capex plan for wells, facilities, land/buildings, etc.)		
6-	Opex (Yearly unit cost per BOE)		
7-	Fiscal Terms		
8-	Total and individual product Revenues (Yearly)		
9-	Total Costs (Yearly)		
10-	Gross profit (Yearly)		
11-	Project IRR and NPV		

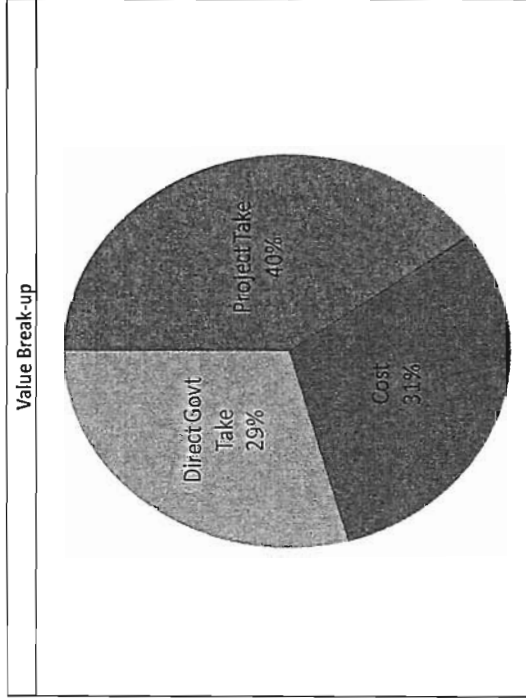
Template B

Summary Dashboard

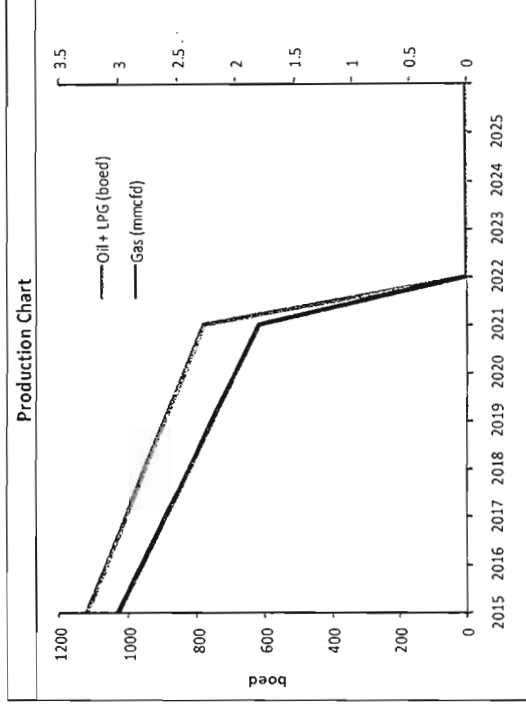
		Key Inputs							
Block Name	ABC	PCA Signing Date	JAN 10 2010	Reserves (MMBOE)	3.4	CAPEX (\$MM)	35.6	Oil (\$/BBL)	82.4
Field Name	ZYX	Applicable Policy	2007	Calorific Value	900	OPEX (\$MM)	22.4	Gas (\$/MMBTU)	3.1
Discovery Date	JAN 12 2014	Zone	III	Discount Rate %	0%			LPG (\$/ton)	680.0

Project Results / Financials

Pre-Tax NPV0 June 2015 (\$MM)	119.9	Cessation of Production	2022	IRR	>100%	Reserve Eff (\$/boe)	10.5	Revenue (\$MM)	211.2
Post-Tax NPV0 June 2015 (\$MM)	84.6	Direct GOP Take (\$MM)	61.9	Opex (\$/boe)	6.6	Production (mmboe)	3.4	Per-Boe Revenue (\$)	62.1



	\$MM
Project Take	84.6
Cost	64.7
Direct Govt Take	61.9



Run Sensitivities

Sensitivities Impact	Plus 20% (\$MM)		Minus 20% (\$MM)	
	NPV	Govt Take	NPV	Govt Take
Production (+20%)	20.61	14.47	-20.61	-14.47
Capex (+20%)	0.00	0.00	0.00	0.00
Opex (+20%)	-2.38	-1.59	2.38	1.59
BOC Price (+20%/bbt)	21.24	14.74	-21.24	-14.74

Template for Extended Well Testing

Template A

Information/Data to be Provided by the Operator for EWT		
Requisite Information	Info / Data	Remarks / Justification
1. Information to be provided		
Discovery Area (Structure from Seismic/well data, Zone thickness from logs)		
Petro physical parameters (porosity, permeability, Sw)		
Volumetric and Reserves		
Data and analysis of well tests / DSTs undertaken		
Production profile during EWT		
2- Operator to identify one or more technical reasons listed below based on which EWT is required for appraisal e.g		
Reserves size uncertainty		
Reservoir boundaries/ faults orientation		
Reservoir heterogeneity/permeability/barriers		
Fluid properties confirmation		
Impact of EWT on reserves		
Others		
3. Time duration of EWT with basis for period requested		
4. Proposed plan for disposal of fluids		
Oil/Gas		
Water		
Are sale arrangements in place ?		
5. Proposed sale plan for hydrocarbon produced		
6. Proposed plan for flaring of gas if any with time frame		

Template Approval for Appraisal

Template A

Justification for Appraisal / No Appraisal		
Information/Data to be provided by the Operator		
Requisite Information	Info / Data	Remarks
1. Company Name		
2. Well Name with coordinates and location(tehsil/district/province) (Attach a copy of approved well commencement notice)		
3. License/Lease with district/province		
4. JV Partners with working interest and operator		
5. Geological Information - Formation tested or of interest as per approved well commencement		
6. Commitment Well, New well/Re-entry		
7. Well Type (vertical, horizontal, deviated)		
8. Spud Date, Rig Mobilization Date and Demobilization Plan		
9. Completion Date of Drilling and Testing		
10. Target Formation/Reservoir Depth		
11. Actual Depth drilled		
12. Casing Size and Depth (Attach a well sketch)		
13. DST/Well Testing (testing procedure and details)		
14. Reason for: - Further Appraisal - No Further Appraisal - Failure, Relinquishment (Attach a complete assessment report)		
15. Details of Plugs and Cement to be placed to safely abandon the well(s) and surface as per Good International Oilfield Practices		
16. Any other important aspect that needs to be reported particular to the well to be abandoned.		

Appraisal Program for Area*			
Information/Data to be provided by the Operator			
Activity	Info / Data	Timeline (from- to)	Remarks/Justification

* Please add additional data/information, as appropriate.

Template Approval of Field Development Plan(FDP)

Template-A

Information/Data to be provided by the Operator		
Description	Data	Remarks
Review assumptions represented by Operator for key areas as identified :		
Discovery Area (Structure from Seismic/well data, Zone thickness from logs)		
Petro physical parameters (porosity, permeability, Sw)		
Wells		
- Number of Producers and injectors		
Recovery factor with basis		
Production profile (should be realistic, check no damage to reserves from planned production rates)		
Proposals for the development and production of each discovery area including possible alternatives and proposals relating to the disposition of associated gas/codensate/LPG.		
Proposals relating to the spacing, drilling and completion of wells, the production and storage installations and transport and delivery facilities required for the petroleum production.		
The estimated number, size and production capacity of production facilities and platforms		
Particulars of production equipment and storage facilities;		
Particulars of feasible alternatives for the transportation of petroleum including pipelines;		
Particulars of equipment required for the operations;		
Investment plans including cost estimates of capital and operating expenditure;		
Time schedule of all activities covered in the development plan clearly specifying the critical milestones proposed and measures to achieve such milestones including a Gantt Chart.		

Template-B

Information/Data to be provided by the Operator		
Activity/ Heading	Data	Remarks
Input Data		
1- Activity set for field development		
2- Historical costs for recovery seismic exploration wells		
G&G studies		
3- Production profiles		
4- Capex plan (wells, facilities, land/buildings, etc.)		
5- Opex – yearly profile, unit cost of production		
6. Key activities in the future, if any, including capital costs/workovers		
7- Fiscal regime (zone, applicable policy for price, tax, and other relevant info./factors)		
8- Assumptions/data for:		
a. Reserves (proved, probable, as per SPE definitions)		
b. Price (of produced hydrocarbons)		
c. Discounting rate, abandonment/decommissioning costs		
Output Data		
1. Production/sales profile (including shrinkage, flare and in-field use)		
2. Total and individual product Revenues		
3. Total Costs and unit costs (yearly)		
4. Gross and net profit including tax (yearly)		
5. Royalty (yearly)		
6. Other GoP take (prod. bonus, rent, training, social welfare, Windfall Levy if applicable etc.)		
7. Total GoP take i.e sum of 5 and 6 above (royalty, tax and other government take)		
8. Project IRR and NPV		
Sensitivities		
1. Reserves (proved, probable, possible)		
2. Opex and Capex (+/- 20%)		
Operator confirms		
1. Applicable price in \$/MMBTU, \$/BBL		
2. Gas price calculations using Arab Light/other references Yes/No		
3. Oil/condensate price references i.e. tie to Arab Light/Senipah Yes/No		
4. Royalty regime i.e. what are deductibles prior application of wellhead value (RPC- Yes/No)		
5. Exchange rate used where applicable (Rs/\$)		

Note:

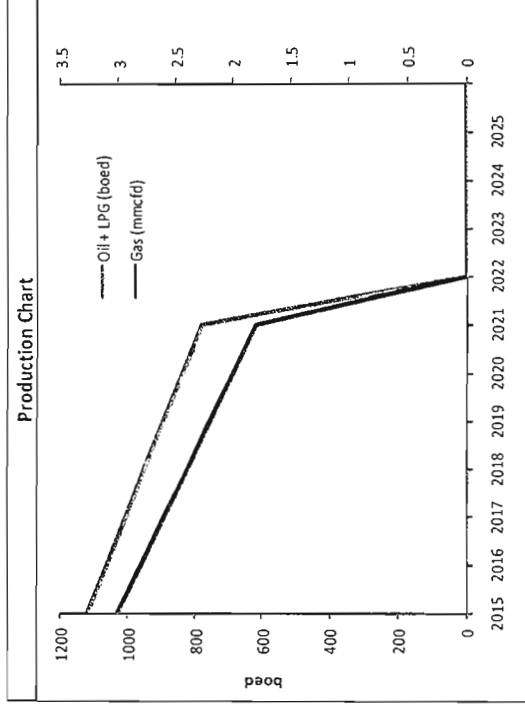
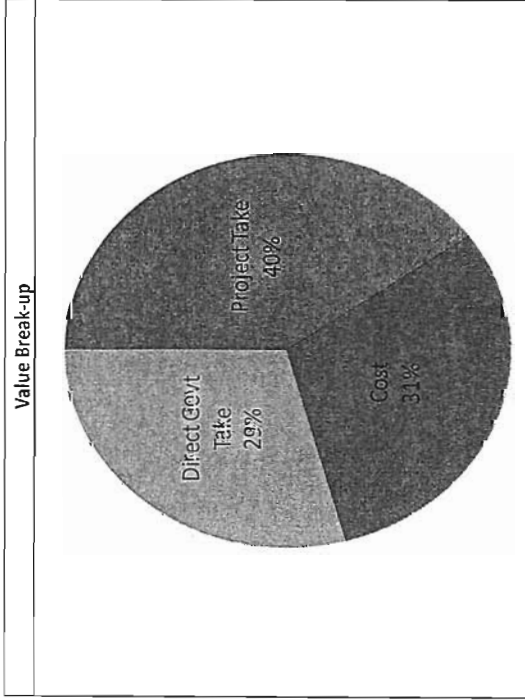
1. Above information to be represented in both tabular/graphical form

Template C:

Summary Dashboard

Key Inputs			
Block Name	ABC	PCA Signing Date	JAN 10 2010
Field Name	ZYX	Applicable Policy	2007
Discovery Date	JAN 12 2014	Zone	III
Reserves (MMBOE)	3.4	CAPEX (\$MM)	35.6
Calorific Value	900	OPEX (\$MM)	22.4
Discount Rate %	0%	LPG (\$/ton)	680.0
		OIL (\$/BBL)	82.4

Project Results / Financials			
Pre-Tax NPV0 June 2015 (\$MM)	119.9	Cessation of Production	2022
Post-Tax NPV0 June 2015 (\$MM)	84.6	Direct GOP Take (\$MM)	61.9
IRR	>100%	Reserve Eff (\$/boe)	10.5
Opex (\$/boe)	6.6	Production (mmboe)	3.4
		Revenue (\$MM)	211.2
		Per Boe Revenue (\$)	62.1



	\$MM
Project Take	84.6
Cost	64.7
Direct Govt Take	61.9

Run Sensitivities

Sensitivity Impact	Minus 20% (\$MM)		
	NPV	Govt Take	Project Take
Production (+20%)	20.61	14.47	-20.61
Capex (+20%)	0.00	0.00	0.00
Opex (+20%)	-2.38	-1.59	2.38
BOC Price (+20%/bbl)	21.24	14.74	-21.24

Sample Gantt Chart

Task Name	Work Units	Cost	2015														
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec			
1 Activity G & G Studies	0	\$0.00															
2 Data Purchase	0	\$0.00															
3 Data Review	0	\$0.00															
4 Reprocessing & Interpretation	0	\$0.00															
5 Seismic Acquisition Program 2D/3D	0	\$0.00															
6 Seismic Processing/Special Processing)	0	\$0.00															
7 Interpretation & Mapping & Cross Section	0	\$0.00															
8 Drilling Program (If any)	0	\$0.00															

Note : Additional task may be included as appropriate i.e. Surface Facilities Installation, Testing, Commissioning, etc.

Template Grant of D & PL

Template A: Information to be provided alongwith FDP/Lease Application (Pre-requisites to grant of lease)

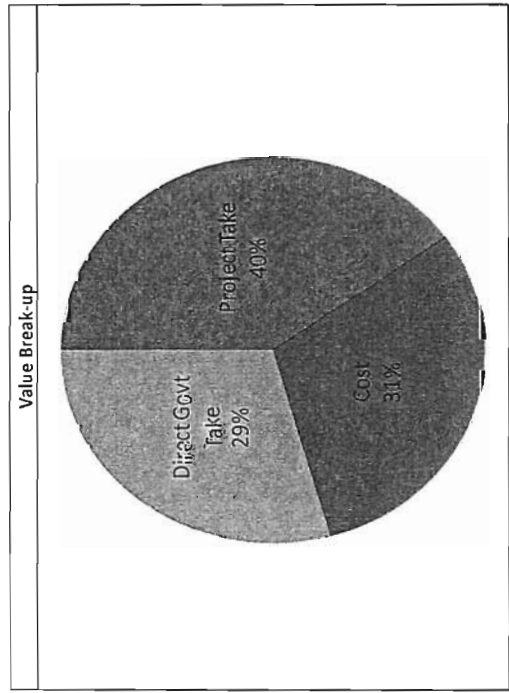
Information/Data to be provided by the Operator			
Activity	Date Submitted	Input /Response from DGPC	Remarks
Discovery Notice			
Discovery Area			
Declaration Of Commerciality			
Field Development Plan	Information to be provided by the Operator as per Dash Board		

Template B: Information to be provided along with FDP.

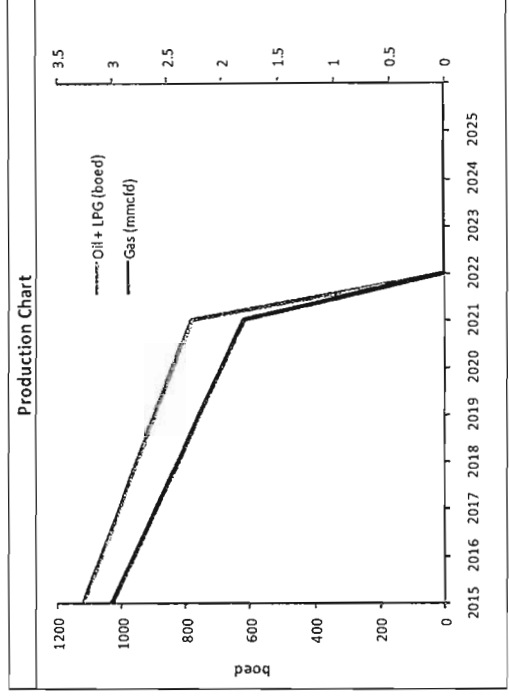
Summary Dashboard

		Key Inputs				
Block Name	ABC	JAN 10 2010	Reserves (MMBOE)	3.4	CAPEX (\$MM)	35.6
Field Name	ZYX	2007	Calorific Value	900	OPEX (\$MM)	22.4
Discovery Date	JAN 12 2014	III	Discount Rate %	0%		
					Oil (\$/BBL)	82.4
					Gas (\$/MMBTU)	3.1
					LPG (\$/ton)	680.0

		Project Results / Financials			
Pre-Tax NPV0 June 2015 (\$MM)	119.9	Cessation of Production	2022	IRR	>100%
Post-Tax NPV0 June 2015 (\$MM)	84.6	Direct GOP Take (\$MM)	61.9	Opex (\$/boe)	6.6
		Reserve Eff (\$/boe)	10.5	Revenue (\$MM)	211.2
		Production (mmboe)	3.4	Per Boe Revenue (\$)	62.1



Project Take	\$MM
Cost	84.6
Direct Govt Take	64.7
	61.9



Run Sensitivities

Sensitivity Impact	Plus 20% (\$MM)		Minus 20% (\$MM)	
	NPV	Govt Take	NPV	Govt Take
Production (+20%)	20.61	14.47	-20.61	-14.47
Capex (+20%)	0.00	0.00	0.00	0.00
Opex (+20%)	-2.38	-1.59	2.38	1.59
BOC Price (+20%/bbl)	21.24	14.74	-21.24	-14.74

Template C: Information to be provided along with Lease Application (Status of Obligations)

Information/Data to be provided by the Operator

Name of Company :

Block # :

License / Lease :

Current Status	Work Program			Rent		Social Welfare		Training		Performance Guarantee		Remarks
	Obligation	Discharged	Outstanding	Due	Paid	Due	Paid	Due	Paid	Amount	Validity	

Extension/Renewal request for Development
& Production Lease (D&PL)

Template A:

Extension in Initial Lease Term		
Information/Data to be provided by the Operator		
Sr.	Description	Data/ Information
1	Period for which D&PL was originally granted	Remarks
2	Remaining period before expiry	
3	Justification for additional period requested	
4	Current Production	
5	Production Profile for requested period	
6	Status of Obligations As per template B	

Template B: Status of Obligation

Information/Data to be provided by the Operator											
Name of Company :											
Block # :											
License / Lease :											
Current Status	D&PL From..... To.....	Work Program		Rent		Social Welfare		Training		Performance Guarantee provided PCG / BG/ others	Remarks
		Obligation	Discharged	Outstanding	Due	Paid	Due	Paid	Due		

Template C:

Renewal in Lease Period		
Information/Data to be provided by the Operator		
Sr.	Description	Data/ Information
1	Date lease is expiring	Remarks
2	Renewal period requested	
3	Production profile for requested renewal	
4	Current Production	
5	Justification for renewal	
6	Status of Obligations	

Template for Data Retrieval / Reporting requirement

Template for Record Keeping

Information / Data to be provided by the Operator			
Confirmation that records are being maintained in accordance with Rule 46,47, 48 & 49 (2013 Rules)			
Type of Report for each Permit/EL/Lease Area	Year Wise History of Record Keeping	Record Distraction Proposals with Time Frame	Remarks
Accounts Records			
Well Records			
Production Records			

Template for Annual Report

Information / Data to be provided by the Operator for each Area			
Annual Report in accordance with Rule 52 (2013 Rules) due by Of the following year			
Type of Report for each Permit/EL/Lease Area	Due	Status	Remarks
Financial Statement with an abstract of the accounts, prepared in accordance with accounting principles generally accepted in the petroleum industry and audited by a recognized firm of chartered accountants approved by the Authority		Submitted	
A description of all exploration, development, production and other work carried out by the holder during the year			
Estimates of in place and recoverable reserves of petroleum			
Estimates of petroleum production and exports			

Template for Monthly Report

Information / Data to be provided by the Operator			
Monthly Report in accordance with Rule 53 (2013 Rules) due by Of the following month			
Type of Report for each Permit/EL/Lease Area	Due	Status	Remarks
Summary of all geological and geo-physical work		Submitted	
Summary of all drilling activity and results obtained			
List of maps, reports and other geological and geo-physical data prepared or acquired in connection with the activities			
Statement of expenditure incurred by the holder of petroleum right			

Template for Daily Report

Information / Data to be provided by the Operator			
Daily Report in accordance with Rule 54 (2013 Rules) due by 10 AM Of the following day			
Type of Report for each EL/Lease Area	Due	Status	Remarks
Daily well reports on a prescribed format		Submitted	

Template for Occasional Report

Information / Data to be provided by the Operator			
Occasional Report in accordance with Rule 55 (2013 Rules)			
Type of Report for each Permit/EL/Lease Area	Due	Status	Remarks
Report, if a well shows the presence of petroleum		Submitted	
Report containing geological information and chemical analysis, results of the drill stem.			
After completion or abandonment of drilling operation, a comprehensive well report			

Template for Assignment of Interest

Template B

Operator to provide this information for the relevant phase of the E.L./D&PL

Information/Data to be provided by the Operator												
Name of Company :												
Block # :												
License / Lease :												
Petroleum Right	Work Program			Rent		Social Welfare		Training		Performance Guarantee provided		Remarks
	Obligation	Discharged	Outstanding	Due	Paid	Due	Paid	Due	Paid	Amount	Validity	
EL												
From..... To.....												
D&PL												
From..... To.....												

Template for Transfer of Work Commitment in


EL

Attachment A: Status of obligation

Information/Data to be provided by the Operator

Block # :														
License / Lease :														
Activity	Work Program			Rent		Social Welfare		Training		Performance Guarantee provided		Work Program proposed to be transferred		Remarks
	Obligation	Discharged	Outstanding	Due	Paid	Due	Paid	Due	Paid	Amount	Validity	From Block/Zone	To Block/Zone	

 OCM Approval Status (Yes/No) copy of minutes to be attached (Operator to provide)

 Technical Justification for Work transfer (Operator to provide)

Template for Miscellaneous Well Notices
(MWN)

Attachment A

Miscellaneous Well Notice

Information/Data to be provided by the Operator

	Info / Data	Remarks
1. Company Name		
2. Well Name with coordinates and location (tehsil/district/province)		
3. License/Lease with district/province		
4. JV Partners with working interest and operator		
5. Geological Information - Formation on production or of interest for workover		
7. Well Type (vertical, horizontal, deviated)		
8. Equipment (rig or rigless) Mobilization Date and Demobilization schedule		
9. Reservoir information:		
. Depth		
. Zone under production slated for perforating/testing/abandonment		
. Other zones encountered in the well and their status		
10. Casing Size and Depth (Attach a well sketch)		
11. Technical Reason for Miscellaneous Well Notice		
12. Technical details as appropriate;		
Well Type (vertical, horizontal, deviated)		
Geological Information - Formation Tops with TD		
Interpreted logs marked with planned perforations / test intervals.		
RFT/MDT Log (Interpreted data)		
Testing Program (Formation intervals, number and type of DSTs (CHDST/BFDST/OHDST), Flow duration, Choke Size)		
Estimated BHP and BHT		
Expected Gas Composition		
Cushion Type		
Fluid Contacts (from Mud logs/Wire line logs/RFT/MDT)		
Expected Type of Fluid (Gas/Oil/Gas & Condensate/Water)		
PVT Samples (Planned)		
HSE Compliance as per rule		
Post Testing Plan		
Planned Test Hook - Up		
Planned Period of Testing (Start and Finish)		
Well Completion/Testing Sketch		
Estimated Cost of the Well-Testing		
13. Information on flaring of gas during testing/re-completion		
14. Any other important aspect that needs to be reported particular to the well		