

NNPC LIMITED FRONTIER EXPLORATION SERVICES ACTIVITIES 2020 - 2022



S/N	Activity	Status	Remark
SEISMIC DATA ACQUISITION			
1	700LKm 2D Seismic Data Acquisition in Sokoto Basin	Acquisition 100% completed.	Crop compensation payment 100% completed.
2	600LKm 2D Seismic Data Acquisition in Bida Basin	Acquisition 100% completed.	Post-acquisition activities at 70% completion.
3	500IKm 2D Seismic Data Acquisition in Southern Chad Basin	Acquisition activities suspended.	<ul style="list-style-type: none"> Security clearance received from DHQ on 7/11/22 Request for waiver from NUPRC for EIA/EBS to commence operations
4	OPL-813A 124Km ² 3D Seismic Data Acquisition	Acquisition 100% completed.	Post-acquisition activities at 65% completion.
5	86Km ² Keana West 3D Seismic Data Acquisition	Acquisition 100% completed.	Post-acquisition activities yet to commence.
6	Phase 13 (Wadi Prospect appraisal) – 168km ²	Contract Agreements for Phases 13 and 14 executed by GMD.	Security Risk Assessment completed
	Phase 14 (Kinsar Prospect) – 170km ²		
	Phase 15 (Ziye Prospect) – 172km ²	Contract Agreements for Phase 15 yet to be executed.	
SEISMIC DATA PROCESSING			
1	PSTM Reprocessing of 91 Lines (~2,968.96 km)	98% Completed	Awaiting final deliverables
2	PSTM processing of 700LKm Sokoto Basin 2D Seismic	100% Completed	Contract expired. Time extension request approved by Upstream DEXCOM. Final agreement received from Legal.
3	PSTM processing of Bida Basin 600LKm 2D Seismic Data	100% Completed	Final deliverables received
4	PSTM processing of 86Km ² Keana 3D Seismic Data	100% Completed	Final deliverables received
5	124.35km ² 3D PSTM Data Enhancement by BGP	100% Completed	Final deliverables received
6	400 km ² 3D PSTM Data Enhancement by BGP	100% Completed	Final deliverables received

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7	455 km ² 3D PSTM Data Enhancement by BGP	98% Completed	Awaiting final deliverables
SEISMIC DATA INTERPRETATION			
1	KR S_E_NE 328 km ² 3D Data Interpretation by Seimax-PPS	On-going completion at 98%	<ul style="list-style-type: none"> Updated porosity models for Yolde, Bima3 and Bima2 and Bima 2a formations. close out action item
2	Nasara 400 km ² 3D Data Interpretation by Seimax-PPS	On-going completion at 96.51%	<p>Completed generation of Nasara Exploratory well trajectories, to commence testing with the G&G team.</p> <p>Performed hydraulics simulation for 13 3/8", 9 5/8" & 7" casing and liner.</p> <p>Commenced work on the Nasara Exploratory wells casing design and tubular stress analysis for the selected casing.</p>
3	OPL 813A 124.35Km ² 3D Data Interpretation by seimax-PPS	Ongoing at 53.39	<p>Completed fault model QC.</p> <p>Completed grid design and pillar gridding.</p>
4	Keana 86 Km ² 3D seismic Data interpretation by Seimax-PPS	Ongoing completion. at 27.9%	<p>Loaded the Keana enhanced 3D-PSTM seismic data.</p> <p>Carried out detailed data review and validation of the provided dataset.</p> <p>Documented the identified data gaps and proposed mitigations.</p>
5	KR S_E_NE 328 km ² 3D Data Interpretation by Schlumberger	On-going completion at 72%	Structural and fault modeling in progress

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6	Nasara 400 km ² 3D Data Interpretation by Schlumberger	On-going completion at 73%	Structural and fault modeling in progress
7	OPL 813A 124.35 km ² 3D Data Interpretation by Schlumberger	On-going completion at 70%	Structural and fault modeling in progress
8	In-house interpretation of OPL 813A 124.35 km ² 3D Seismic data	On-going completion at 88%	Depth maps generated Volumetrics computed Compute GRV Report writing ongoing
9	In-house interpretation of 700LKM Sokoto 2D Seismic data	74%	<ul style="list-style-type: none"> •Data loading and QC completed •Time map generated for 3 horizons
10	In-house Interpretation of 600lkm Bida 2D Seismic Data	Preliminary result report submitted to FES Management	
11	In-house interpretation of Keana 86Km ² 3D Data Interpretation	77%	•Geological and Drilling programs ongoing.
12	In-house Interpretation of KR S_E_NE 328 Km ² 3D Seismic Data	99%	<ul style="list-style-type: none"> •Awaiting Seimax-PPS and Schlumberger so we can compare volumes •Complete report
13	In-house interpretation of 400 Km ² Nasara 3D Seismic data	88%	•Awaiting final report
DRILLING			
1	Drilling of Kolmani River-3 (Southeast-1)	100% Completed	The well was spud in on 7th April 2020 and completed on 26 th November 2020. The total depth drilled is 13,125ft
2	Drilling of Kolmani River-4 Well	100% Completed	Well, was spud in on 18th July 2021 and ended on 21st September 2021. The

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			total depth drilled is 8,065ft
3	Drilling of Phase 8 – X3 well in Chad Basin.	Application for permits ongoing.	Drilling & Campsite Location Preparation are yet to commence
4	Routine and Conventional core acquisition for KR-4	Acquired 126ft of conventional cores in KR-4	Routine Core analysis was carried out on the core samples.
5	Special Core analysis (SCAL) on KR-4 samples	Ongoing	Relative permeabilities, wettability, and capillary pressure measurements are being carried out.
6	PVT Analysis of KR-4 oil samples	100% Completed	Final reports received
BASINAL STUDIES			
1	Well Cuttings Biostratigraphy/ Geochemical and Sedimentological Studies (1400 samples)	On-going at 91% completion	Milestone reviews on Biostratigraphy and Sedimentology studies ongoing.
2	Petroleum Play Fairway Analysis for Anambra Basin	On-going at 65% completion	<ul style="list-style-type: none"> •Basin modeling activities are ongoing. •Seismic Interpretation Ongoing.
NON-CONVENTIONAL TECHNOLOGIES			
1	50,000 LKM (Phase 1) enhanced Full Tensor Gradiometric over Chad Basin and Benue Trough	On-going at 97% completion	Awaiting final report
2	60,000 lkm of FTG datasets acquired over Sokoto and Bida Basins	100%	The data has been processed, interpreted and integrated based on which 2D Seismic Data was planned.
3	Micromagnetic Analysis of Benue Trough and Chad Basin	100% completed for Benue trough.	Micro-Mag analysis yet to commence in Chad basin due to security Challenges.