

GOVERNMENT OF ASSAM
ENVIRONMENT AND FOREST DEPARTMENT
DISPUR, GUWAHATI-6

ECF No. 238662/130

Dated Dispur, the 20th January, 2023

To : The Regional Officer,
Government of India,
Ministry of Environment, Forest & Climate Change,
Integrated Regional Office, 4th Floor, Housefed Building,
G.S Road, Rukminigaon, Guwahati-781022.

Sub : Forest Diversion proposal for 4.125 ha of forest land for Oil and Gas Exploration,
Development and production of Well pad no.29 in Nambor South Reserved Forest
under Golaghat Division in favour of M/s Vedanta Limited (Division Cairn Oil& Gas)

Ref : Govt. of India Letter F. No. 3-AS B/106/2022/GHY/3454-55 dated 30.12.2022.

Sir,

In inviting a reference to the letter on the subject cited above, I am directed to enclose herewith a copy of letter No.FG.27/FCA/Proposal/Vedanta Ltd./Well Pad No.29/Golaghat Divn dated 11.01.2023 along with its enclosures as received from the CCF & NO (FC Act), O/o the PCCF & HoFF, Assam regarding additional clarification/justification for land requirement of 4.125 ha. For Well Pad#29 in connection with the subject mentioned proposal for favour of your kind information and necessary action.

Yours faithfully,

Enclo: As stated above.

(Neera Daulagupu, ACS)
Secretary to the Govt. of Assam
Environment and Forest Department

Memo ECF No. 238662/130-A

Dated Dispur, the 20th January, 2023

Copy to:

The Principal Chief Conservator of Forests & HoFF, Assam, Panjabari, Guwahati-37.

(ESIGNED)
Secretary to the Govt. of Assam
Environment and Forest Department

GOVERNMENT OF ASSAM
OFFICE OF THE PRINCIPAL CHIEF CONSERVATOR OF FORESTS AND
HEAD OF FOREST FORCE, ASSAM
ARANYA BHAWAN, PANJABARI, GUWAHATI-37

Email: adlpccf.nodal@gmail.com

No. FG.27/FCA/Proposal/Vedanta Ltd./Well Pad No.29/Golaghat Divn

Date: 11.01.2023

To,

The Additional Chief Secretary to the Government of Assam
 Environment and Forest Department Dispur, Guwahati-6

Sub: **Forest diversion proposal of 4.125 Ha. forest land for Oil and Gas exploration, development and production of Well Pad No.29 in Nambor South Reserved Forest under Golaghat Division in favour of M/s Vedanta Limited (Diversion Cairn Oil & Gas).**

Ref: Government of India letter No. 3-AS B 106/2022/ GHY/3454-55 dated 30.12.2022.

Sir,

With reference to the above, I am enclosing herewith a letter No. AA-1/FC/29/16 dated 4.1.2023 along with its enclosures received from the Vedanta Ltd. regarding forest diversion proposal of 4.125 Ha. forest land for Oil and Gas exploration, development and production of Well Pad No.29 in Nambor South Reserved Forest under Golaghat Division in favour of M/s Vedanta Limited (Diversion Cairn Oil & Gas). The User Agency (M/s Vedanta Limited) has stated the following additional clarification/justification for requirement of land 4.125 Ha for Well Pad# 29.

- 1) The prospect area is adjacent to ONGO's existing producing fields of Khoraghat & Nambar in Golaghat.
- 2) This well location is based on high quality 3D seismic, and it has very high chance of success.
- 3) The structural closure of this prospect is such that through the same surface location, multiple wells can be drilled to maximise the reservoir reach and hydrocarbon extraction. Kindly note this will defiantly reduce overall land and environment footprints.
- 4) Geologically the prospect belt is predominantly within Foreland area and partly in fold thrust belt with in-place Oil (Pm STOIP) 800 MMBOE hydrocarbons.
- 5) The area has huge upside potential of 200 MMBOE recoverable hydrocarbon. Seismic section along well pad No.29 is given in Annexure-I for kind reference.
- 6) On success, 3-4 wells are planned from same location of well pad No.29 with production potential of 2000-2500 BOPD (Barrels of Oil Per Day).
- 7) Multiple numbers of wells (3-4 wells) planned from the same surface location will have drastic reduction in requirement of land footprint and for lesser environmental footprint. In comparison, well pad 29 planned in 4.125 Ha. is equivalent to 3-4 well pads in different locations.
- 8) In an event of success, it is planned from well pad no.29 of 4.125 Ha fit for purpose, modular Extended well Testing unit (EWT)/EPS surface facilities will be placed for Early monetisation which is also in line with the Revenue Sharing Contract (RSC) under MoPNG, GOI. This location has advantage w.r.t. proximity to existing infrastructure of NRL & ONGC GGS hence easy to monetize.



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- 9) Approvals for Early monetization from DGH & EC from SEIAA, Assam for same are already in place.
- 10) Utilization of 4.125 Ha. of land has been planned in a time frame of 9 to 12 months from start of first well drilling (post grant of final Forest Clearance (FC). Details of utilization of land are given in Annexure-II

The above-mentioned information may kindly be send to the Government of India, MoEF&CC, Integrated Regional Office, Guwahati accordingly.

Encl: As stated above.

Yours faithfully,



(Dr. C Muthukumaravel, IFS)
Chief Conservator of Forests &
Nodal Officer (FC Act), Assam
O/o the Principal Chief Conservator of Forests and
Head of Forest Force, Assam

Copy to the Sr. Manager- Environment, M/s Vedanta Limited (Diversion Cairn Oil & Gas), DLF Phase-2,
DLF City, Gurgaon, Haryana-122002 for information.

/

Chief Conservator of Forests &
Nodal Officer (FC Act), Assam
O/o the Principal Chief Conservator of Forests and
Head of Forest Force, Assam


vedanta

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Ref No: AA-1/FC/29/16

Date:04/01/2023

✓ The Chief Conservator of Forest & Nodal Officer (FC Act) Assam,
 Office of the Principal Chief Conservator of Forest &
 Head of Forest Forces, Govt. of Assam,
 Environment Department, Aranya Bhawan,
 Panjabari, Guwahati – 781037, Assam

Subject: Proposal for diversion of 4.125 ha. of forest land for Oil and Gas exploration, development and production in Well Pad No.29 in Nambor Reserved Forest under Golaghat Division in favour of M/s Vedanta Limited. – Submission of additional details/ justification-regd.

Ref.: 1) F.No. 3-AS B/106/2022/GHY/3454-55 dated 30.12.2022
 2) FC Proposal no. FP/AS/MIN/44361/2020

Dear Sir,

This has reference to the above-mentioned proposal for diversion of forest land and letter No. 3-AS B/106/2022/GHY/3454-55 dated 30.12.2022 from IRO, Guwahati. In this regard, we are pleased to submit the following towards justifications for 4.125 ha. of land for the Well Pad # 29, for your kind consideration and perusal:

Opportunities for hydrocarbon reserves:

- I. The prospect area is adjacent to ONGC's existing producing fields of Khoraghat & Nambar in Golaghat.
- II. This well location is based on high quality 3D seismic, and it has very high chance of success.
- III. The structural closure of this prospect is such that through the same surface location, multiple wells can be drilled to maximise the reservoir reach and hydrocarbon extraction. Kindly note this will defiantly reduce overall land and environment footprints.
- IV. Geologically the prospect belt is predominantly within Foreland area and partly in fold thrust belt with in-place oil (Pm STOIP) 800 MMBOE hydrocarbons.
- V. The area has huge upside potential of ~200 MMBOE recoverable hydrocarbon. Seismic section along well pad no. 29 is given in Annexure-1 for kind reference.
- VI. On success, 3 – 4 wells are planned from same location of well pad no. 29 with production potential of ~2000-2500 BOPD (Barrels of Oil Per Day).
- VII. Multiple numbers of wells (3 – 4 wells) planned from the same surface location will have drastic reduction in requirement of land footprint and for lesser environmental footprint. In comparison, well pad 29 planned in 4.125 ha is equivalent to 3 – 4 well pads in different locations.
- VIII. In an event of success, it is planned from well pad no. 29 of 4.125 ha fit for purpose, modular Extended Well Testing unit (EWT) / EPS surface facilities will be placed for Early monetisation which is also in line with the Revenue Sharing Contract (RSC) under MoPNG, GOI.

VEDANTA LIMITED

Cairn Oil & Gas: ASF Center Tower A, 362-363, Jwala Mill Road, Phase IV, Udyog Vihar, Sector 18, Gurugram – 122016, Haryana, India
 T +91 124 459 3000 | F +91 124 414 5612 | www.cairnindia.com

Registered Office: Vedanta Limited, 1st Floor, 'C' wing, Unit 103, Corporate Avenue, Atul Projects, Chakala, Andheri (East), Mumbai – 400093, Maharashtra, India | T +91 22 664 34500 | F +91 22 664 34530 | www.vedantalimited.com

CIN: L13209MH1965PLC291394

Sensitivity: Internal (C3)



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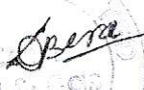
- IX. This location has advantage w.r.t proximity to existing infrastructure of NRL & ONGC GGS hence easy to monetize.
- X. Approvals for Early monetization from DGH & EC from SEIAA, Assam for same are already in place.
- XI. Utilization of 4.125 ha of land has been planned in a time frame of 9 to 12 months from start of first well drilling (post grant of final Forest Clearance (FC)). Details of utilization of land are given in Annexure-2.

In view of the above, it is humbly requested you to kindly grant FC so that exploration drilling activities could be taken up at the earliest.

Thanking You,

Yours faithfully,

For Vedanta Ltd. (Div.: Cairn Oil & Gas)


Dilip Kumar Bera
DGM- Environment

Enclosures: As above

Copy to: DIGF (C), IRO, MoEF, 4th Floor, Housefed Building, GS Road, Rukminigaon, Guwahati-781022.

VEDANTA LIMITED

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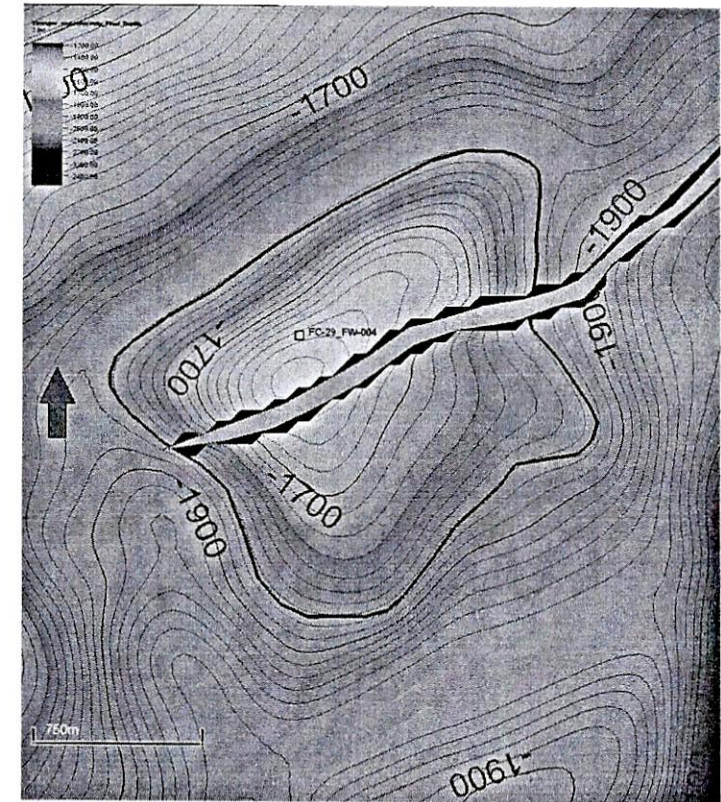
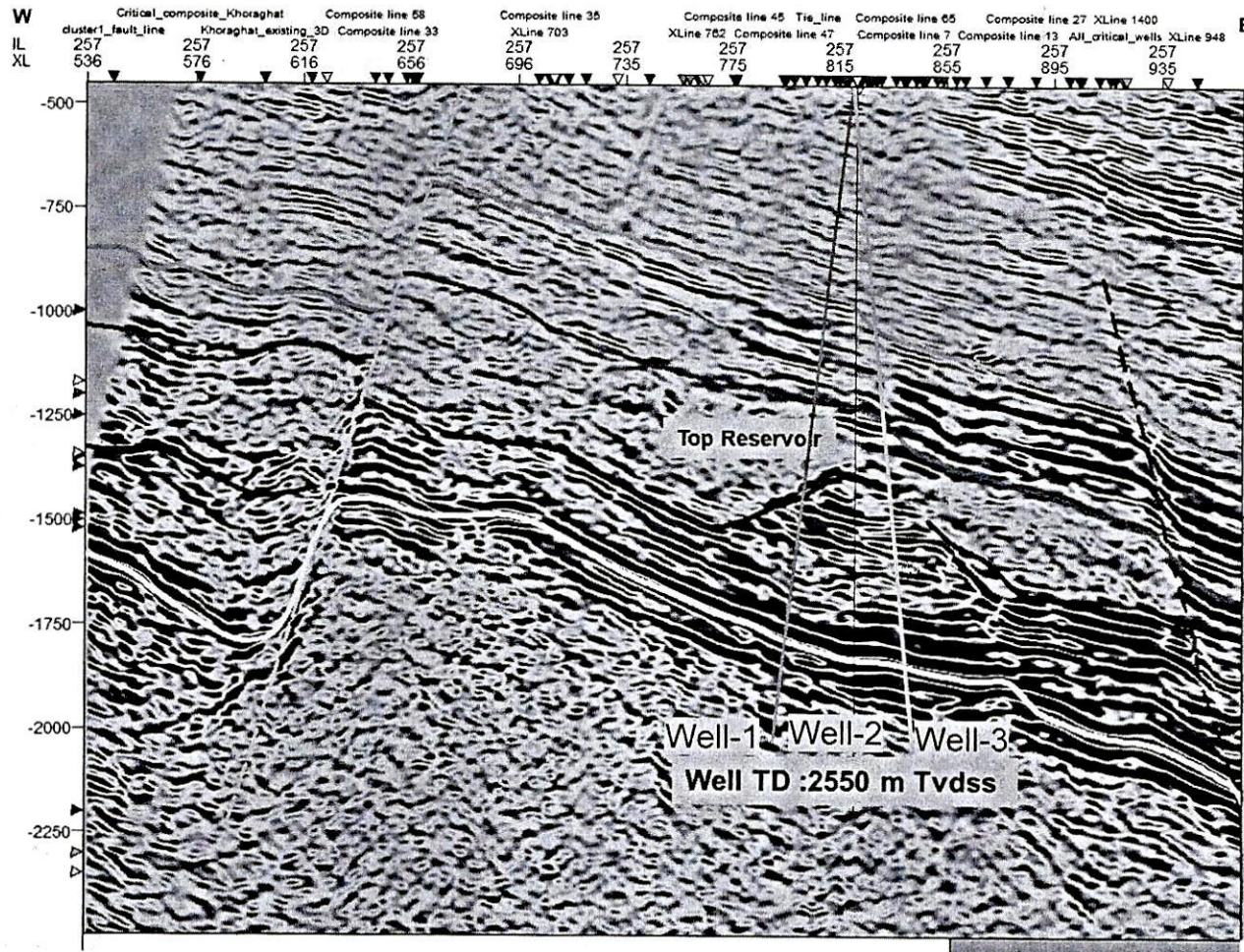
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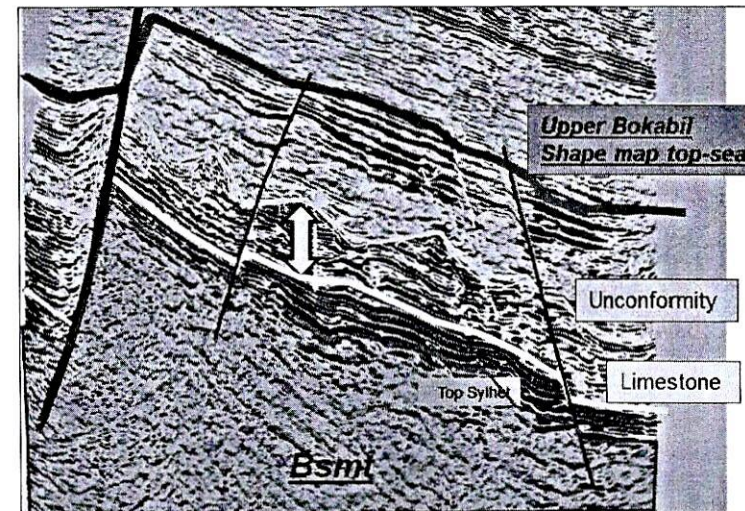
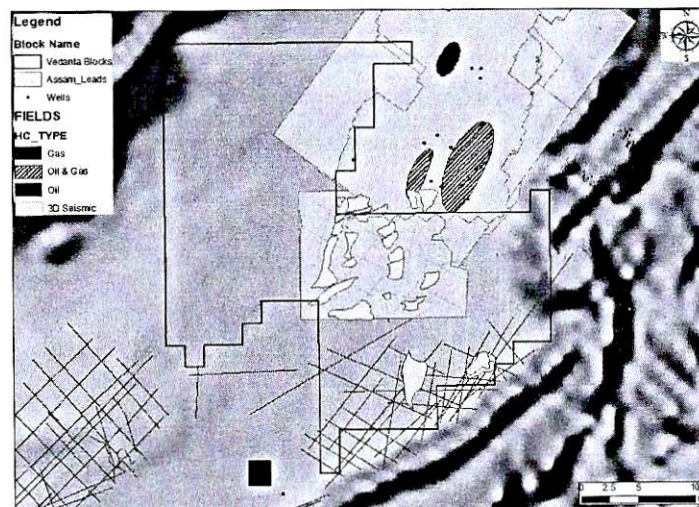
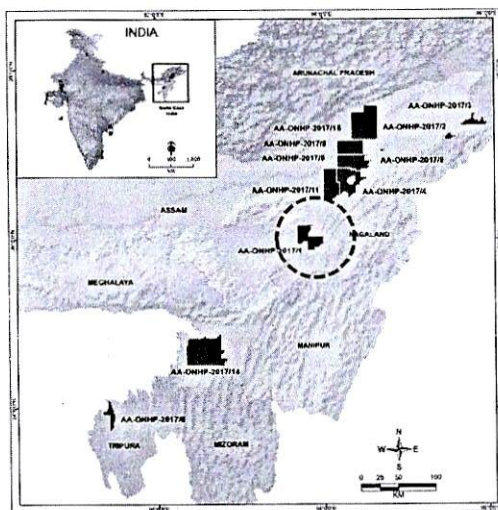


ANNEXURE-1: Seismic section along Well No 29





Well Pad - 29: Potential



- **Block Area - 715 sq. km**
- **Predominantly within Foreland area and partly in fold thrust belt**
- **Pm STOIIP: 800 MMBOE**
- **Expected Fluid Type: Light Oil and Gas**

➤ Opportunities

- Adjacent to ONGC's existing Khoraghat & Nambar producing fields
- Wells planned in high quality 3D seismic, high chance of success
- Proximity to existing infrastructure of NRL & ONGC GGS, easy to monetize; approvals for early monetization from DGH & EC for same in place
- Also, huge upside potential for the area (~200 MMBOE: Recoverable)
- On success, 3 - 4 wells possible from same location of well pad no. 29 with production potential ~2000-2500 bopd

Exploration Work Programme

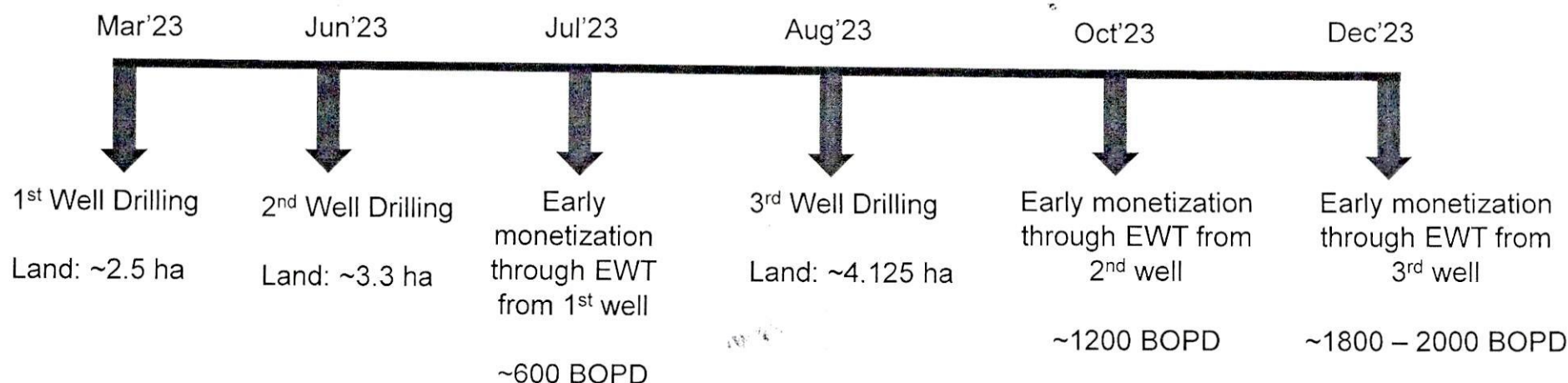
- **Wells: 12**
- **Wells with Core: 12**
- **2D: 0 LKM**
- **3D: 715 sq. km**

Existing data coverage

- **Seismic 3D: 2,300 sq.km**
- **Seismic 2D: 670 LKM**
- **Wells: 1**



ANNEXURE-2: Sequence of land use plan for drilling of multiple wells at a single wellpad location & Early monetization through EWT/ EPS



Note:

1. Considering speedy grant of Stage-I and final FC
2. Considering very high success potential
3. Drilling of multiple wells from a single wellpad location, which has minimum land footprint
4. Necessary approvals/ clearances within the provisions of Forest Conservation Rules shall be obtained for progressive change in landuse plan based on project progress
5. Land requirement is for Drilling and Early monetization