

Ref : ADM/LMN/2022/27 : المرجع
Date: 14/06/2022 : التاريخ

LOCAL MARINE NOTICE IN ABU DHABI

النشرة البحرية المحلية لإمارة أبوظبي

To : All users of waterways, mariners and maritime operators in Abu Dhabi

إلى : جميع مستخدمي الممرات المائية والبحارة
والمشغلين البحريين في أبوظبي

Location : Old Musaffah Channel, New Musaffah Channel & water surrounding Hudayriat, South of Umm Al Dalkh, Umm Lulu Oil field

الموقع : قناة المصفح القديمة، قناة المصفح الجديدة،
والمياه المحيطة بجزيرة الحديريات وجنوب
حقل أم الدلخ وام لولو النفطي

Subject : Offshore ADNOC 3D Seismic Survey

الموضوع : مسح أدنوك الزلزالي ثلاثي الأبعاد

With reference to the Local Marine Notice in Abu Dhabi Ref# ADM/LMN/2022/22 Dated 24 May 2022 regarding "Offshore ADNOC 3D Seismic Survey-Revised Survey Plan", kindly note the 24 & 48 hours and 7 days lookahead plan as attached.

بالإشارة إلى النشرة البحرية المحلية لإمارة أبوظبي المرفقة
رقم ADM/LMN/2022/22 بتاريخ 24 مايو 2022
بخصوص "مسح أدنوك الزلزالي ثلاثي الأبعاد- خطة المسح
المعدلة"، يرجى ملاحظة خطة البحث المستقبلية للفترة 24
و48 ساعة و7 أيام كما هو مرفق.

All waterways users and marine operators are required to take all necessary actions and instruct their Masters/Operators to be vigilant and stay well clear of the area of operations and adhere to following Instructions:

على جميع مستخدمي الممرات المائية والمشغلين البحريين
اتخاذ ما يلزم وإصدار التعليمات المطلوبة لربابنة سفنهم
ومشغلها بضرورة توخي الحذر والبقاء بعيداً عن منطقة
العمليات والالتزام بالتعليمات التالية:

1. All concerned parties to be aware that in the area indicated, the seismic equipment will be deployed on the seabed as well as on water surface.
2. Seismic source vessels will be operated day and night during operation periods.
3. Fishing, anchoring stoppage and diving operations in this area are strictly forbidden.
4. All seismic survey operation vessels will be restricted in their ability to maneuver during the seismic operations.

1. على جميع المعنيين العلم بأنه سيتم نشر معدات المسح الزلزالي في قاع البحر وكذلك على سطح الماء بالمنطقة المشار إليها.
2. سيتم تشغيل سفن المسح الزلزالي (سفن المصدر) ليلاً ونهاراً خلال فترات التشغيل.
3. تمنع عمليات الصيد والرسو والتوقف والغوص في هذه المنطقة منعاً باتاً.
4. جميع سفن عمليات المسح الزلزالي ستصبح مقيدة في قدرتها على المناورة أثناء عمليات المسح الزلزالي.



5. The seismic survey operation vessels will keep clear of the vessels navigating in the channels while all other vessels should navigate safely with due care and keep clear from seismic survey vessel.
6. Seismic Survey Vessels can be contacted through VHF CH 09/14/16/72/75 for further movement information.
7. List of the relevant Seismic Survey Vessels and their communication channels is attached as well.
8. This LMN to be read in conjunction with AD Ports Group and ADNOC circulars/Marine Notices issued for the same project.

5. ستقوم سفن عمليات المسح الزلزالي بالابتعاد قدر الإمكان عن السفن المبحرة في القنوات المائية بينما يتعين على جميع السفن الأخرى الإبحار بممرات آمنة مع اتخاذ الحذر التام والابتعاد عن سفن المسح الزلزالي.
6. يمكن الاتصال بسفن المسح الزلزالي من خلال VHF CH 09/14/16/72/75 للحصول على مزيد من المعلومات عن الحركة.
7. مرفق أيضا قائمة بسفن المسح الزلزالي المعنية وقنوات الاتصال معها.
8. يجب قراءة هذه النشرة المحلية بالتزامن مع التعاميم الصادرة من مجموعة موانئ أبوظبي وشركة أدنوك الخاص بنفس المشروع.

Attachement:

- Illustrative map with schedule.
- List of Seismic Survey fleet and contacts

المرفقات:

- خريطة توضيحية مع الجدول الزمني.
- قائمة أسطول المسح الزلزالي وقنوات الاتصال

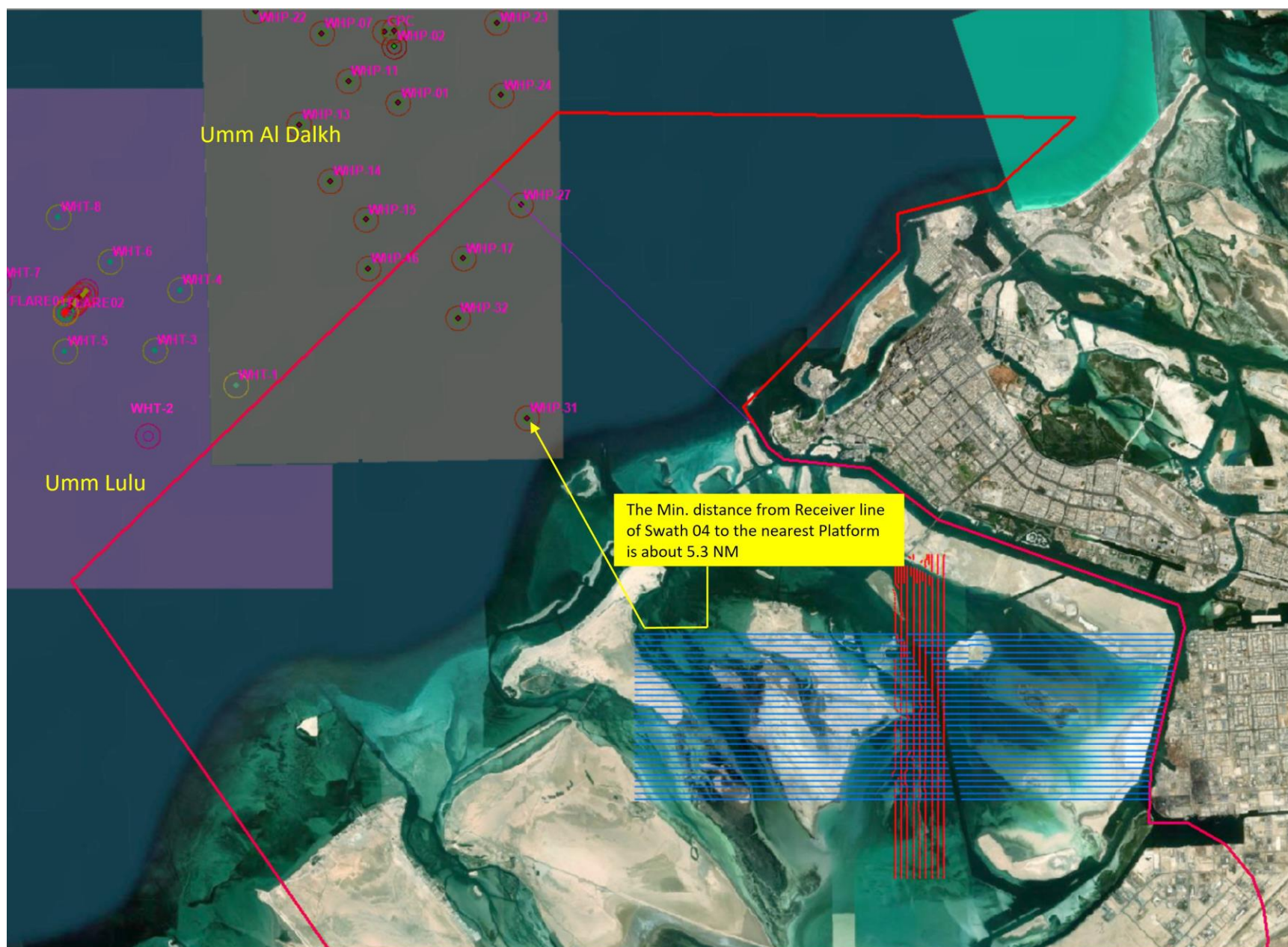
سيف المهيري

المدير العام - أبوظبي البحرية

Capt. Saif Al Mheiri

Managing Director – Abu Dhabi Maritime





ADNOC TZ 3D SEISMIC SURVEY ACQUISITION

Hudairiat Block – 24&48 Hours Look Ahead Plan

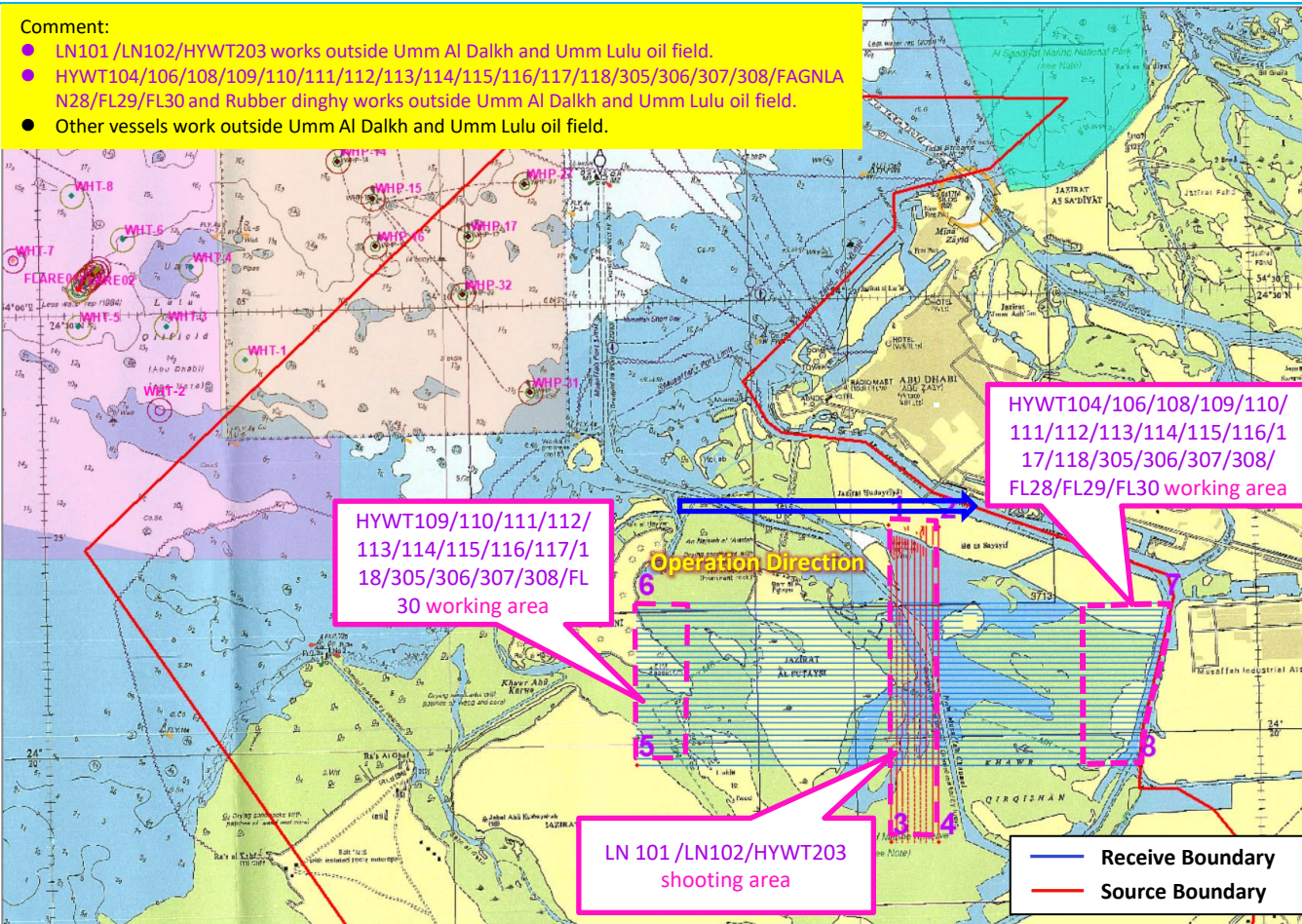
BGP CREW 8652

14th Jun. 2022



Comment:

- LN101 /LN102/HYW7203 works outside Umm Al Dalkh and Umm Lulu oil field.
- HYWT104/106/108/109/110/111/112/113/114/115/116/117/118/305/306/307/308/FAGNLA N28/FL29/FL30 and Rubber dinghy works outside Umm Al Dalkh and Umm Lulu oil field.
- Other vessels work outside Umm Al Dalkh and Umm Lulu oil field.



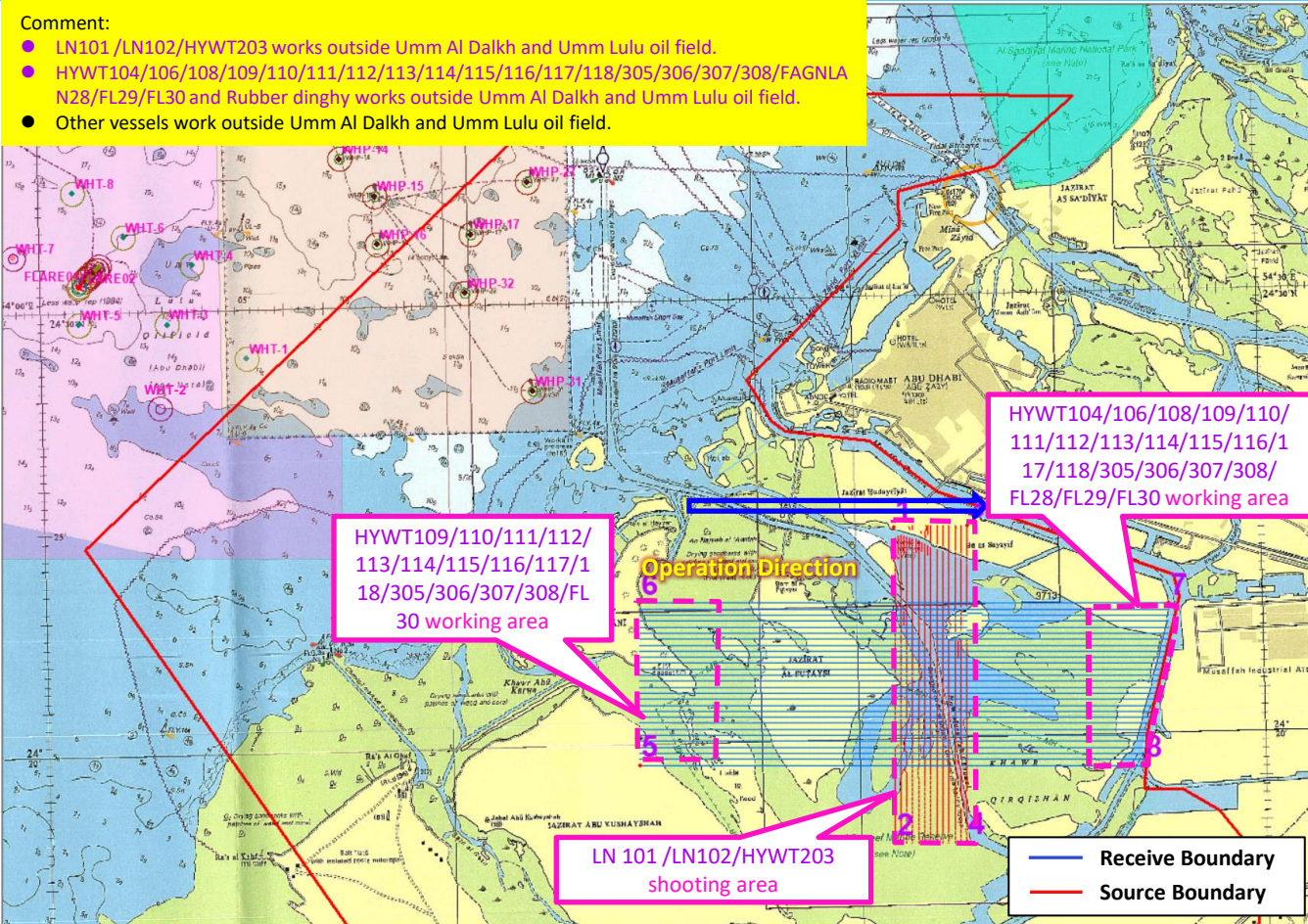
- In **blue** boundary area, the nodes are on the seabed and extra cables on the seafloor 24 hours.
- In **red** boundary area, the source vessel will shooting 24 hours.

SN	latitude and Longitude
1	24° 24' 48.734" N, 54° 20' 55.925" E
2	24° 24' 45.308" N, 54° 22' 10.967" E
3	24° 17' 38.435" N, 54° 20' 48.346" E
4	24° 17' 36.868" N, 54° 21' 59.175" E
5	24° 19' 31.710" N, 54° 14' 34.274" E
6	24° 23' 10.831" N, 54° 14' 39.865" E
7	24° 22' 53.540" N, 54° 27' 40.418" E
8	24° 19' 15.275" N, 54° 26' 59.038" E

BGP Crew 8652 Seismic Operation 48 Hours Look Ahead For All Concerned Parties

Comment:

- LN101/LN102/HYWT203 works outside Umm Al Dalkh and Umm Lulu oil field.
- HYWT104/106/108/109/110/111/112/113/114/115/116/117/118/305/306/307/308/FAGNLA N28/FL29/FL30 and Rubber dinghy works outside Umm Al Dalkh and Umm Lulu oil field.
- Other vessels work outside Umm Al Dalkh and Umm Lulu oil field.



- In **blue** boundary area, the nodes are on the seabed and extra cables on the seafloor 48 hours.
- In **red** boundary area, the source vessel will shooting 48 hours.

SN	latitude and Longitude
1	24° 24' 44.760" N, 54° 20' 57.197" E
2	24° 17' 38.435" N, 54° 20' 48.346" E
3	24° 24' 45.338" N, 54° 22' 45.993" E
4	24° 17' 37.704" N, 54° 22' 34.631" E
5	24° 19' 31.710" N, 54° 14' 34.274" E
6	24° 23' 10.831" N, 54° 14' 39.865" E
7	24° 22' 53.540" N, 54° 27' 40.418" E
8	24° 19' 15.295" N, 54° 26' 58.152" E



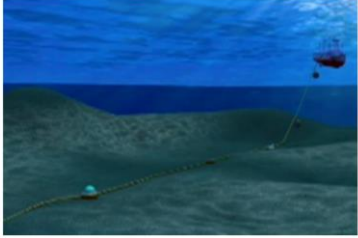
Seismic Acquisition Technique

Receiver Lines Node Deployment

- Lines of hydrophone nodes laid on seabed at 25m intervals, connected by rope.
- Laid and recovered by node vessels running east to west.
- Each receiver line is 250m to the south of the previous one, such that the survey moves gradually from East to West.

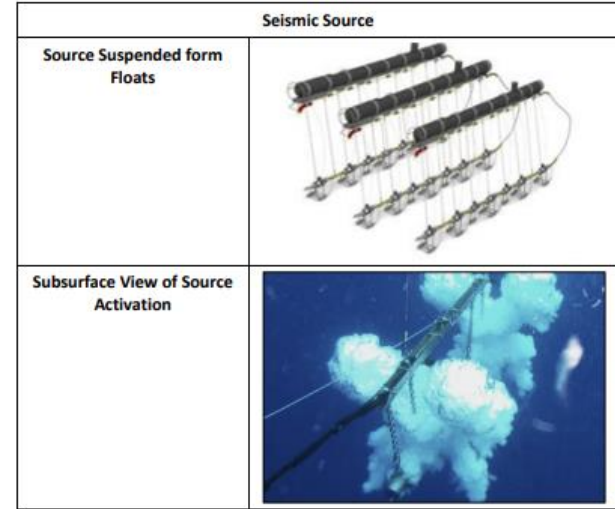
Pinging

- A vessel runs along the line using a high frequency, low volume acoustic transducer to confirm the node positions by triangulation.

Ocean Bottom Nodes	
GPR 300 Ocean Bottom Node	
Deployment Method	
Subsurface View of Deployment	

Source Lines

- Air 'guns' are cylinders of compressed air that is released to create a sub-surface bubble that generates a specific sound signature.
- The air guns are suspended under floats towed by a source vessel at a speed of approximately 4.5 knots



Prior to starting a new line, the source vessel will conduct a soft start.

This gradually increases the source volume from very low volume to full volume over a period of 20 to 40 minutes.

Notice:

1. All parties to be aware that in the area indicated above, the seismic equipment will be deployed on the seabed.
2. Seismic source vessels will operate during day, so please keep a safe distance in the operation area. Fishing, anchoring and / or diving operations in this area are strictly forbidden.
3. All operating vessels will be in a restricted maneuverable condition during the seismic operation. All passing vessels must be prepared to change the route if advised.
4. To minimize any possible disruption in your operations, please contact us (as per vessel name in the following display) on VHF CH 75 for further movement information.

S/N	Vessel Type	Vessel	Length	Beam	Draft	Comment
1	Source Vessel	HAI BAO 2	38.1	8.2	2.1	Working outside Umm Al Dalkh oil field, outside Umm Lulu oil field
2	Source Vessel	HAI BAO 4	38.5	7.0	2.2	Working outside Umm Al Dalkh oil field, outside Umm Lulu oil field
2	Source Vessel	HAI BAO 5	45.1	8.0	2.2	Working outside Umm Al Dalkh oil field, outside Umm Lulu oil field
3	Source Vessel	JHH201	19.30	6.00	0.95	Working outside Umm Al Dalkh oil field, outside Umm Lulu oil field
4	Source Vessel	LN101	18.00	4.50	1.40	Working outside Umm Al Dalkh oil field, outside Umm Lulu oil field
5	Ping Vessel	FANGLAN	17.3	5.0	0.7	29 Working out Umm Al Dalkh oil field
6	Node Vessel	FANGLAN	17.3	5.0	0.7	30 Working out Umm Al Dalkh oil field
7	Ping Vessel	HYWT 1XX Series - Type I	10.97	3.70	0.85	HYWT104/107/108, Working out Umm Al Dalkh oil field
8	Node Vessel	HYWT 1XX Series - Type I	10.97	3.70	0.85	109 out Umm Al Dalkh oil field, outside Umm Lulu oil field
9	Node Vessel	HYWT 1XX Series - Type II	13.8	3.6	1.2	110/111/112/113/114/115/116/117/118 Working out Umm Al Dalkh oil field 301/302/304/305/306/307/308/ Working outside Umm Al Dalkh oil field
10	Mother Vessel	Per Aspera	62.8	58.5	3.2	Working outside Umm Al Dalkh oil field, outside Umm Lulu oil field



HAI BAO 2



HAI BAO 4



JHH201



LN101



FANGLAN 29/30



HYWT 1XX Series - Type I



HYWT 1XX Series - Type II



Per Aspera

BGP Crew 8652 Vessels Contact List

S/N	Name	Position	Location	Email	Mobile
1	Richard Bolton	ADNOC Leader-QC	Base Camp	BGP8652_ACQ_QC_1@Verif-i.team	00971(0) 50 6996028
2	C. Khaled Abdel Hamid	ADNOC Marine-QC	Per Aspera(Mother Vessel)	BGP8652_MAR_QC@Verif-i.team	00971(0) 50 1108548
3	Ding Guandong	Project Manager	Base Camp	adnoc8652_pm@bgpoffshore.com	00971(0) 50 7403918
4	Wang Jinming	Party Chief	Base Camp	adnoc8652_pc@bgpoffshore.com	00971(0) 50 8378918
5	Hou Quanli	AQ Party Chief	Base Camp	adnoc8652_production@bgpoffshore.com	00971(0) 50 3714918
6	Alex	Leader HSE	Base Camp	adnoc8652_hse@bgpoffshore.com	00971(0) 56 2524665
7	Yan Heng	Small Craft Manager	BGPO Office	adnoc8652_sw@bgpoffshore.com	00971(0) 50 5203918
8	NG Kok Kiang (Nick)	Port Captain	Fly Camp	swc.portcaptain@bgpoffshore.com	00971(0) 50 163 9918
9	Wang Yang	APC	Per Aspera	adnoc8652_fleet@bgpoffshore.com	00971(0)54 714 8533
10	HYWT 307	BGP Radio Room	HYWT307		VHF CH 75/16 Mobile: 00971(0)56 501 1707
11	HAI BAO 4	Gun Boat	HAI BAO 4	haibao4@bgpoffshore.com	+4723677000
12	HAI BAO 2	Gun Boat	HAI BAO 2	haibao2@bgpoffshore.com	00971(0)50 755 6918
13	HAI BAO 5	Gun Boat	HAI BAO 5	Haibao5@bgpoffshore.com	Bridge: +441 157021140 (V-SAT) Bridge mobile 00971(0) 50 213 9027

Anything you can write email to Nick: swc.portcaptain@bgpoffshore.com to confirm, or call 00971(0)50 163 9918

ADNOC TZ 3D SEISMIC SURVEY ACQUISITION

Hudairiat Block – 7 Days Look Head Plan

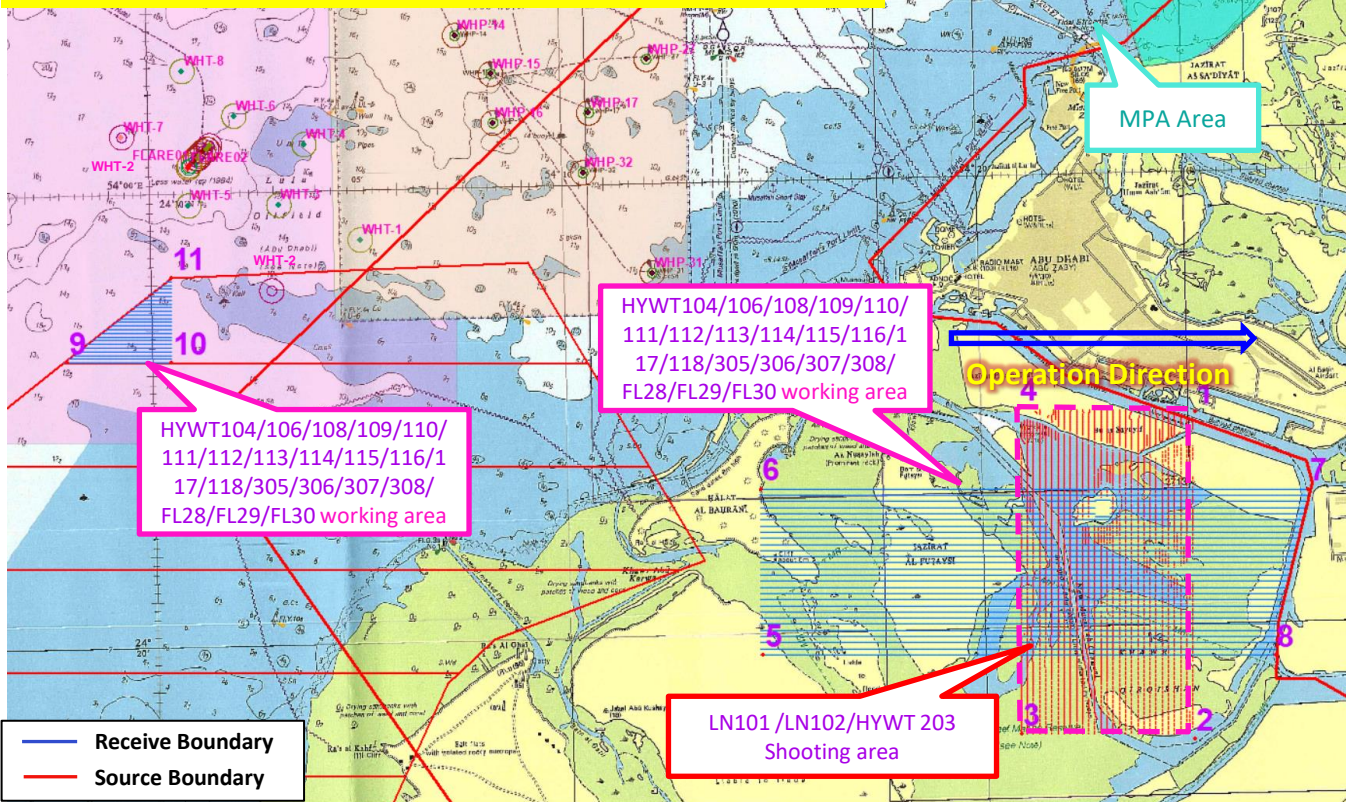
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14th Jun. 2022



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- In **blue** boundary area, the nodes are on the seabed and extra cables on the seafloor 7 days.
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8	24° 19' 15.295" N,54° 26' 58.152" E
9	24° 26' 18.620" N,53° 58' 01.440" E
10	24° 26' 15.640" N,54° 00' 32.175" E
11	24° 28' 07.677" N,54° 00' 33.952" E



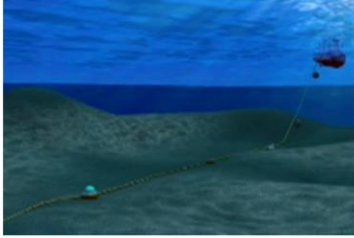
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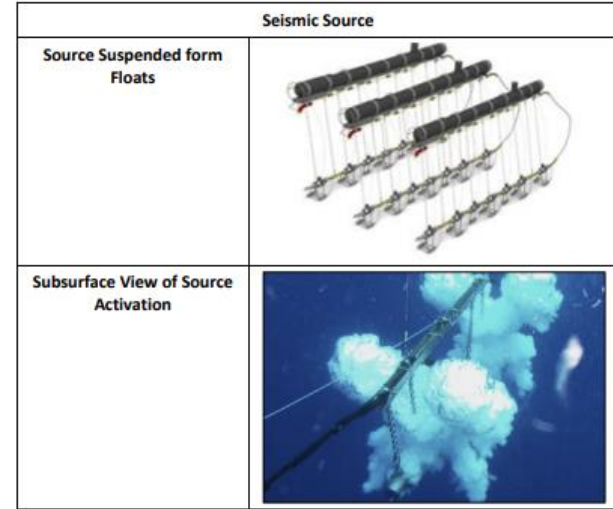
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2	Source Vessel	HAI BAO 5	45.1	8.0	2.2	Scouting Working out Umm Al Dalkh oil field, outside Umm Lulu oil field
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HAI BAO 2



HAI BAO 4



JHH201



LN101



FANGLAN 29/30



HYWT 1XX Series - Type I



HYWT 1XX Series - Type II



Per Aspera

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6	Alex	Leader HSE	Base Camp	adnoc8652_hse@bgpoffshore.com	00971(0) 56 2524665
7	Yan Heng	Small Craft Manager	BGPO Office	adnoc8652_sw@bgpoffshore.com	00971(0) 50 5203918
8	NG Kok Kiang (Nick)	Port Captain	Fly Camp	swc.portcaptain@bgpoffshore.com	00971(0) 50 163 9918
9	Wang Yang	APC	Per Aspera	adnoc8652_fleet@bgpoffshore.com	00971(0)54 714 8533
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11	HAI BAO 4	Gun Boat	HAI BAO 4	haibao4@bgpoffshore.com	+4723677000
12	HAI BAO 2	Gun Boat	HAI BAO 2	haibao2@bgpoffshore.com	00971(0)50 755 6918
13	HAI BAO 5	Gun Boat	HAI BAO 5	Haibao5@bgpoffshore.com	Bridge: +441 157021140 (V-SAT) Bridge mobile 00971(0) 50 213 9027

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THANKS



BGP INC., CHINA NATIONAL PETROLEUM CORPORATION