

Ref : ADM/LMN/2022/9 : المرجع
Date: 08/03/2022 : 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 Mussafah Channe & New Mussafah Channel, water surrounding Hudayriat and Al Futaisi Islands

الموقع : قناة المصفح القديمة، قناة المصفح الجديدة، والمياه المحيطة بجزيرة الحدريات وجزيرة الفطيسي

Subject : Offshore ADNOC 3D Seismic Survey

الموضوع : مسح أدنوك الزلزالي ثلاثي الأبعاد

With reference to the Local Marine Notice no. ADM-LMN-2022-3 issued on 31/01/2022, regarding Offshore ADNOC 3D Seismic Survey, kindly note that the survey plan has been revised and attached herewith.

بالإشارة إلى النشرة البحرية المحلية لإمارة أبوظبي رقم ADM-LMN-2022-3 الصادرة بتاريخ 2022/01/31 بشأن مسح أدنوك الزلزالي ثلاثي الأبعاد، يرجى العلم أنه تم تحديث وتعديل خطة المسح 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.
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.

1. على جميع المعنيين العلم بأنه سيتم نشر معدات المسح السيزمي في قاع البحر وكذلك على سطح الماء بالمنطقة المشار إليها.
2. سيتم تشغيل سفن المسح السيزمي (سفن المصدر) ليلاً ونهاراً خلال فترات التشغيل.
3. عمليات الصيد والرسو والتوقف والغوص في هذه المنطقة ممنوعة منعاً باتاً.
4. جميع سفن عمليات المسح السيزمي ستصبح مقيدة في قدرتها على المناورة أثناء عمليات المسح الزلزالي.
5. ستقوم سفن عمليات المسح السيزمي بالابتعاد عن السفن المبحرة في القنوات المائية بينما يتعين على جميع السفن الأخرى الإبحار بممرات آمنة مع اتخاذ لحذر التام والابتعاد عن سفن المسح السيزمي.



6. Siesmic Survey Vessels can be contacted through VHF CH 16 or 75 for further movement information.
7. List of the relevant Siesmic Survey Vessels and their communication channels is attached as well.
8. This LMN to be read in conjunction with AD Ports circular/Marine Notice issued for the same project.

6. يمكن الاتصال بسفن المسح السيزمي من خلال VHF CH 16 أو 75 للحصول على مزيد من المعلومات عن الحركة.
7. مرفق أيضا قائمة بسفن المسح السيزمي المعنية وقنوات الاتصال معها.
8. يجب قراءة هذه النشرة المحلية بالتزامن مع التعميم الصادر من موانئ أبوظبي الخاص بنفس المشروع.

المرفقات:

Attachement:

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

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

سيف المهيري

المدير العام - أبوظبي البحرية

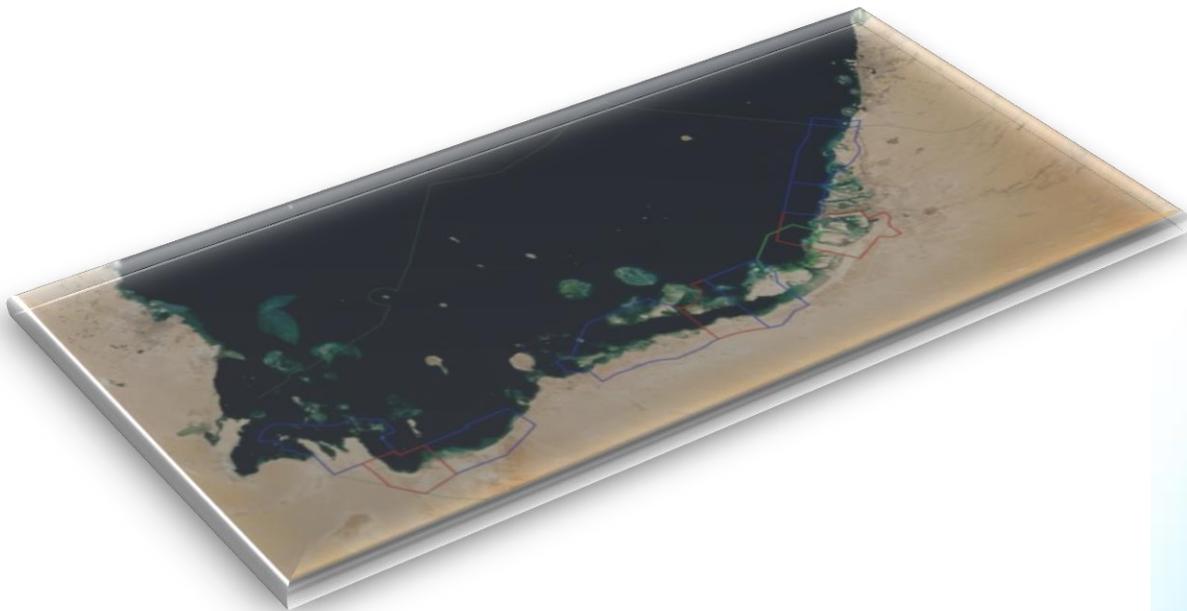
Capt. Saif Al Mheiri
Managing Director - Abu Dhabi Maritime

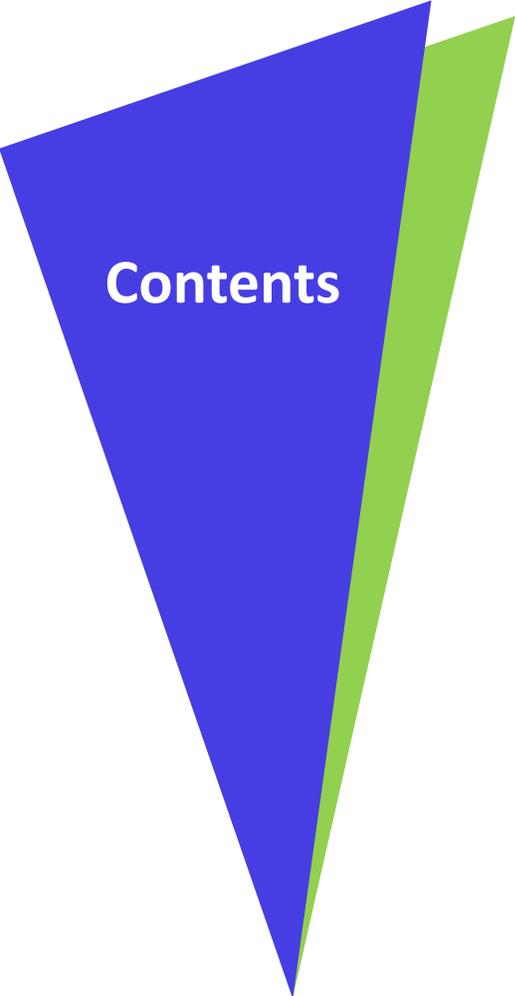


ADNOC TZ 3D SEISMIC SURVEY ACQUISITION

Operation Plan

BGP CREW 8652





Contents

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SW06 OPERATION

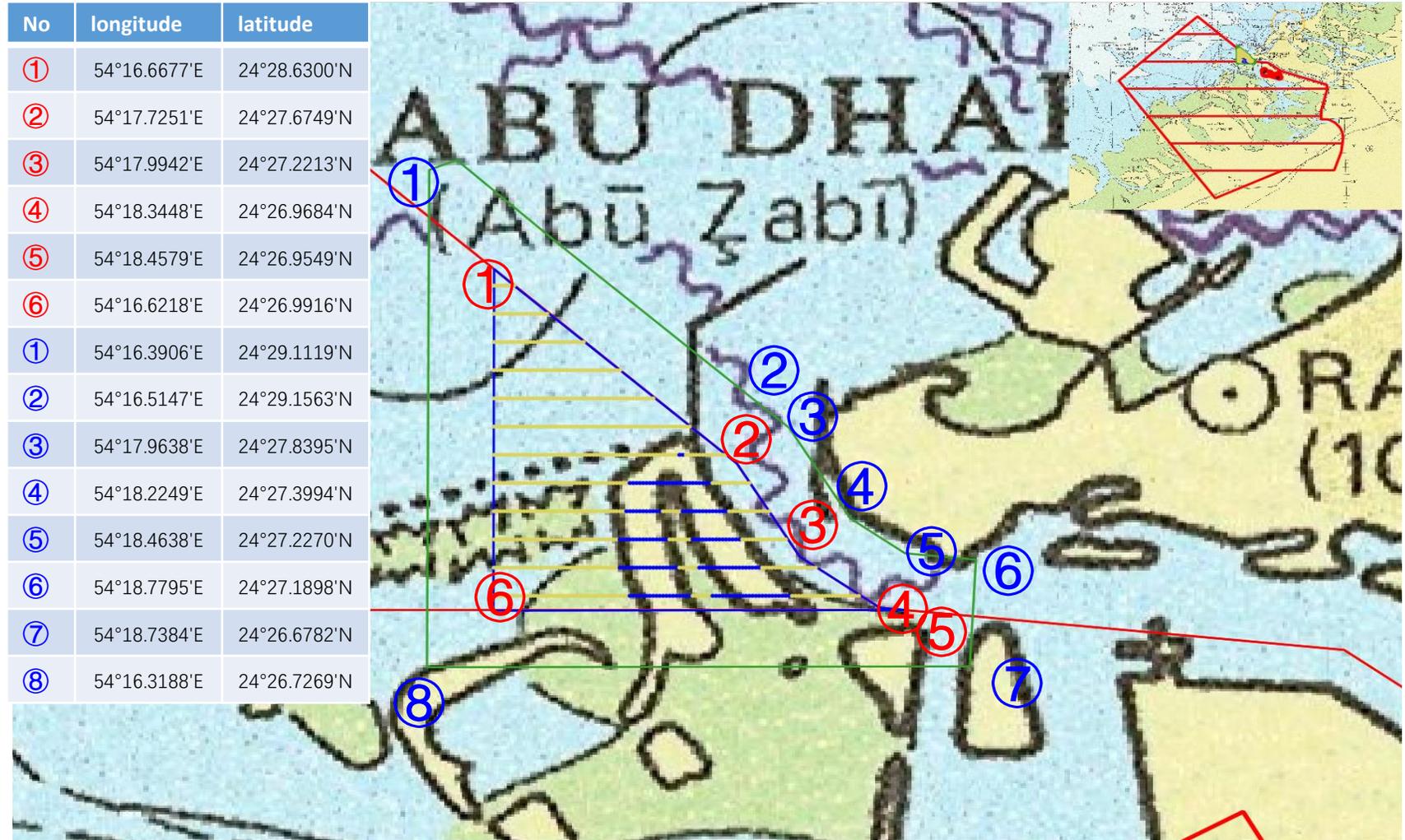
2

SW05 OPERATION

Swath 06 Operation Area

The first section operation is SW06. The blue polygon is operation area and the red polygon is the area with 500 meters safety buffer. There is only node layout/retrieval marine operation in SW06, Other operations are on Hudayriat island.

No	longitude	latitude
①	54°16.6677'E	24°28.6300'N
②	54°17.7251'E	24°27.6749'N
③	54°17.9942'E	24°27.2213'N
④	54°18.3448'E	24°26.9684'N
⑤	54°18.4579'E	24°26.9549'N
⑥	54°16.6218'E	24°26.9916'N
①	54°16.3906'E	24°29.1119'N
②	54°16.5147'E	24°29.1563'N
③	54°17.9638'E	24°27.8395'N
④	54°18.2249'E	24°27.3994'N
⑤	54°18.4638'E	24°27.2270'N
⑥	54°18.7795'E	24°27.1898'N
⑦	54°18.7384'E	24°26.6782'N
⑧	54°16.3188'E	24°26.7269'N



Operation schedule and vessels

This section's operation will take 4 days and no any operation within old/new channel.

S/N	Operation	From	TO
1	Node Lay out	29,Jan,2022	30,Jan,2022
2	Node Retrieval	30,Jan,2022	31,Jan,2022



HYWT 301-308

Node Boat * 1



HYWT 1XX Series

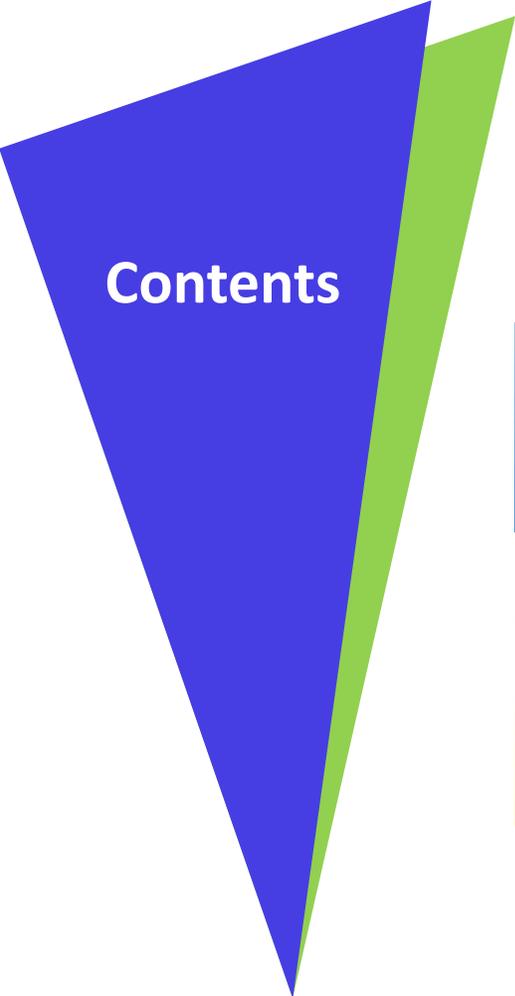
Work Boat * 2



BGPO Series

Support Boat * 2

Totally five node vessels will carry out node lay out and pick up operation in this section.



Contents

1

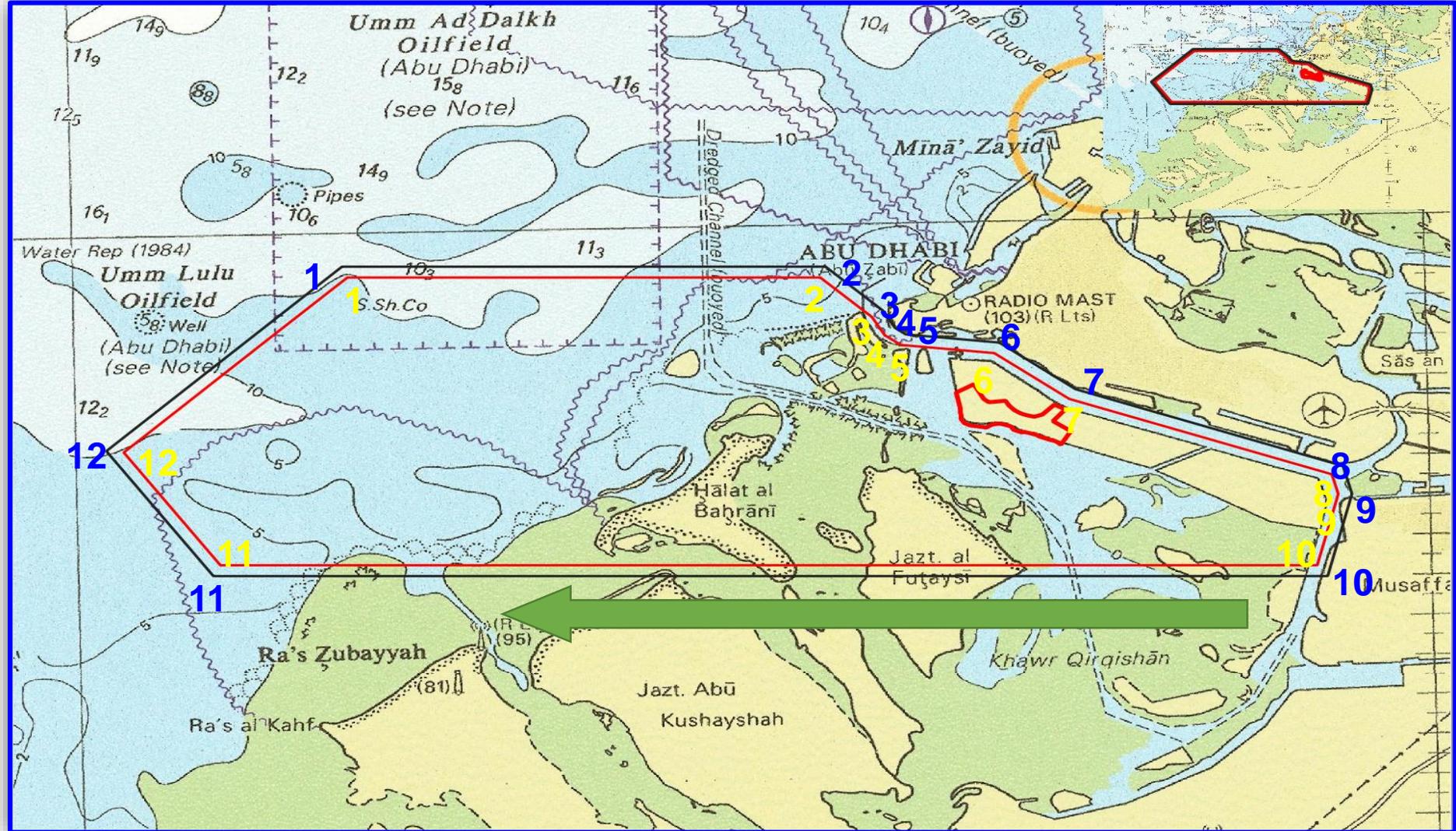
SW06 OPERATION

1

SW05 OPERATION

Swath 05 Entire Operation Area

No	Longitude	Latitude
1	54°06.1207'E	24°28.9078'N
2	54°16.6035'E	24°28.6871'N
3	54°17.7250'E	24°27.6755'N
4	54°17.9947'E	24°27.2207'N
5	54°18.3454'E	24°26.9694'N
6	54°20.4095'E	24°26.7209'N
7	54°22.0395'E	24°25.5437'N
8	54°27.8083'E	24°23.5342'N
9	54°27.9362'E	24°23.0412'N
10	54°27.4229'E	24°21.2874'N
11	54°03.1326'E	24°21.7985'N
12	54°01.0605'E	24°24.6496'N
1	54°06.0086'E	24°29.1808'N
2	54°16.7275'E	24°28.9551'N
3	54°17.9662'E	24°27.8358'N
4	54°18.2252'E	24°27.3992'N
5	54°18.4621'E	24°27.2294'N
6	54°20.5288'E	24°26.9794'N
7	54°22.1869'E	24°25.7819'N
8	54°28.0595'E	24°23.7360'N
9	54°28.2407'E	24°23.0376'N
10	54°27.6475'E	24°21.0019'N
11	54°02.9720'E	24°21.5310'N
12	54°00.6747'E	24°24.6919'N



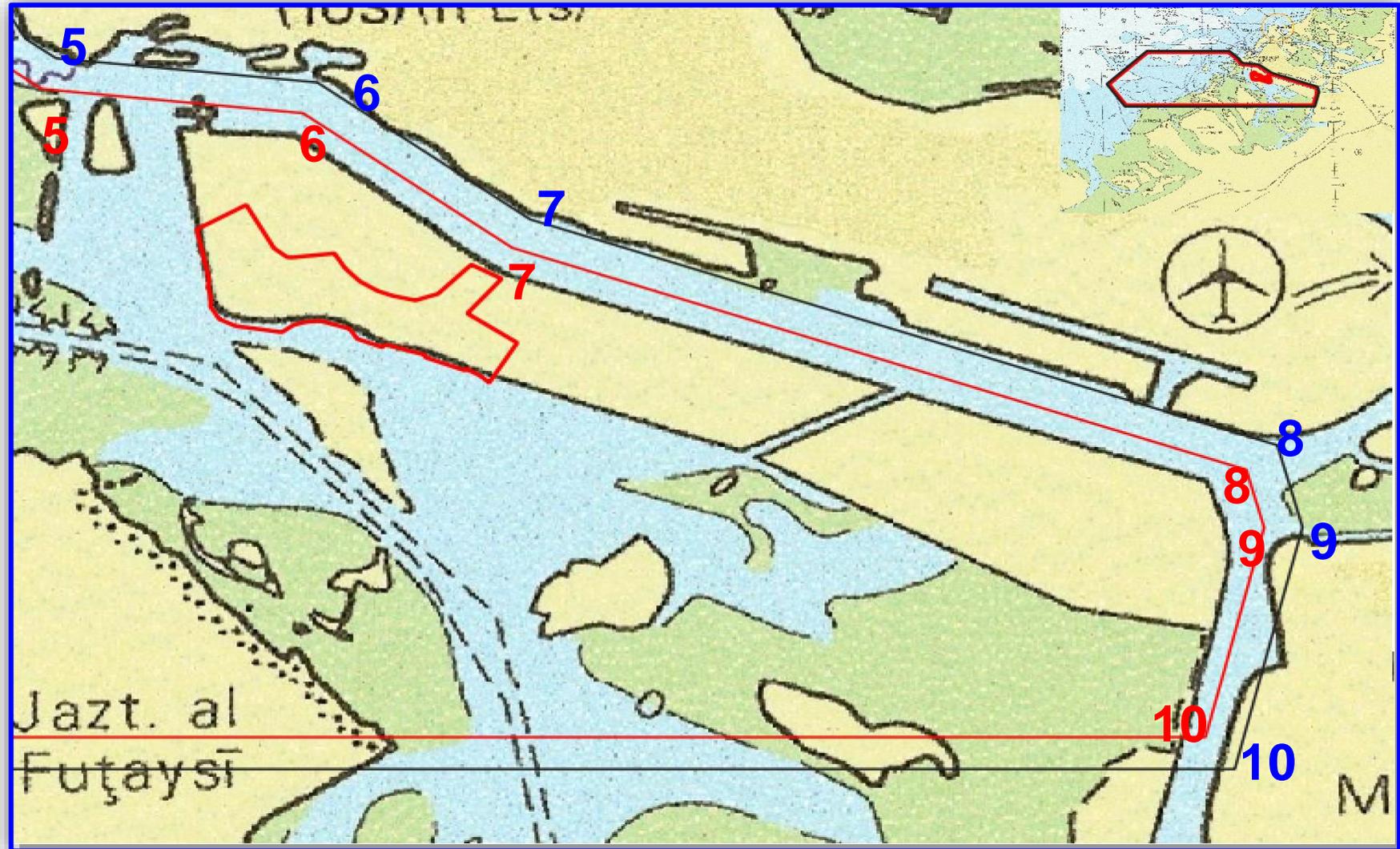
The Second section operation is SW05.

The red polygon is operation area and the black polygon is the area with 500 meters safety buffer.

Operation direction is from east to west.

Operation bounder in old channel

No	longitude	latitude
5	54°18.3454'E	24°26.9694'N
6	54°20.4095'E	24°26.7209'N
7	54°22.0395'E	24°25.5437'N
8	54°27.8083'E	24°23.5342'N
9	54°27.9362'E	24°23.0412'N
10	54°27.4229'E	24°21.2874'N
5	54°18.4621'E	24°27.2294'N
6	54°20.5288'E	24°26.9794'N
7	54°22.1869'E	24°25.7819'N
8	54°28.0595'E	24°23.7360'N
9	54°28.2407'E	24°23.0376'N
10	54°27.6475'E	24°21.0019'N



Part of Operation in Swath 05 is within old channel

Scope of work on SW05 in old channel

Scope of work on SW05 in old channel

S/N	Operation	From	TO	Duration(days)
1	Node Lay out	28,Jan 2022	8,Feb 2022	12
2	Airgun Operation	3,Feb 2022	18,Feb 2022	16
3	Node Retrival	9,Feb 2022	23,Feb 2022	15

Vessel list

Vessel name	Quantities	Task
JHH201	1	Source operation
HYWT1## Series	3	Node operation
BGPO ## series	1	Node operation



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11 - AL HUDAYRIAT ISALND

Channel SRC & RCV Plan

- Air Gun Points (1030)
- Receiver Points (1042)

Al Hudayriat Project



Coordinate Reference System

Coordinate System: WGS 1984 UTM Zone 40N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False Easting: 500,000.0000
 False Northing: 0.0000
 Central Meridian: 57.0000
 Scale Factor: 0.9996
 Latitude Of Origin: 0.0000
 Units: Meter



Scale 1:60,000



Scope of work on SW05 around new channel

Scope of work around new channel

S/N	Operation	From	TO	Duration(days)
1	Node Lay out	28,Jan 2022	28,Feb 2022	31
2	Airgun Operation	3,Feb 2022	3,Mar 2022	29
3	Node Retrieval	9,Feb 2022	8,Mar 2022	28

Vessel list

Vessel Name	Quantities	Task
JHH201	1	Source operation
LN101/102	1	Source operation
HYWT203/204	1	Source operation
HYWY1** Series	8	Node Operation
HYWY3** Series	3	Node Operation
BGPO** Series	6	Node Operation



No operation along the channel, just cross it.

Main vessels on SW05 Operation



JIN HAI HE 201

Mini Source Boat * 1



LN 101/102

Mini Source Boat * 2



HYWT 203/204

Source Boat * 2



HYWT 301-308

Node Boat * 5



HYWT 1XX Series

Work Boat * 14



BGPO Series

Support Boat * 15



THANKS



BGP INC., CHINA NATIONAL PETROLEUM CORPORATION

OFFSHORE ADNOC 3D SEISMIC SURVEY ACQUISITION

Hudayrait Block–Look Ahead

Issued on Mar 05th 2022

Effective on Mar 06th 2022

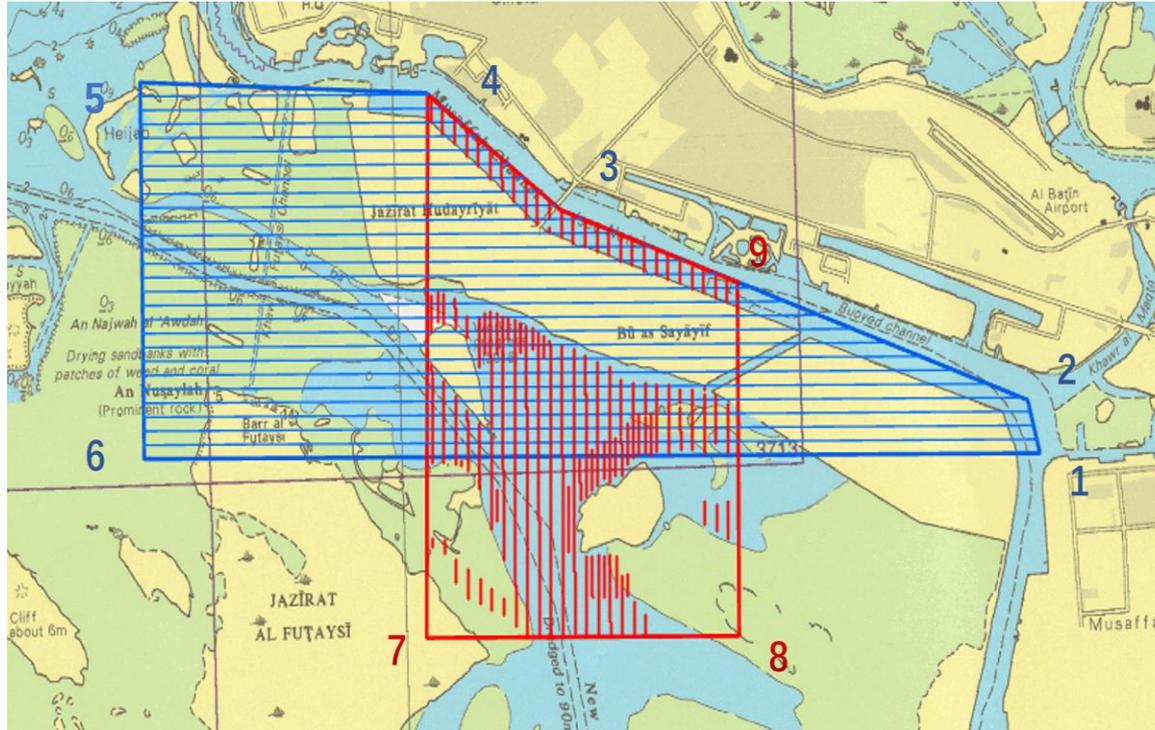
ALL INFORMATION BELOW APPLIED TO CREW8652 ONLY



ADNOC Seismic Operation 72 Hrs. Look Ahead

For All concerned parties

No	Longitude	Latitude
1	54°27.9357'E	24°23.0404'N
2	54°27.8091'E	24°23.5332'N
3	54°22.0145'E	24°25.5447'N
4	54°20.4225'E	24°26.7208'N
5	54°16.8440'E	24°26.9897'N
6	54°16.7468'E	24°23.2687'N
7	54°20.2340'E	24°21.4421'N
8	54°24.1330'E	24°21.3553'N
9	54°24.2249'E	24°24.7827'N



- In **Blue** boundary area, the nodes are on the seabed and extra cables on the seafloor. The Node vessel will operation daytime.
- Anchoring is strictly forbidden in the **Blue** area.
- The red boundary is Air Gun operation area.

-  Receive Boundary
-  Source Boundary

BGP Inc., CNPC Crew 8652 has started the TZ 3D seismic data acquisition in Arabian Gulf, UAE for ADNOC (Abu Dhabi National Oil Company). The operation area is shown as above:

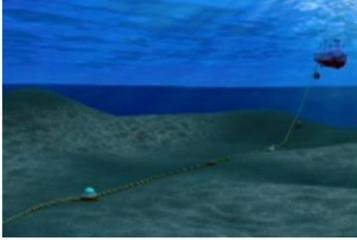
Seismic Acquisition Technique

Receiver Lines Node Deployment

- Lines of hydrophone nodes laid on seabed at 25m intervals, connected by rope. No any node will be deployed in New Musaffah Channel but will deploy nodes in Old Channel.
- 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	

Seismic Acquisition Technique

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



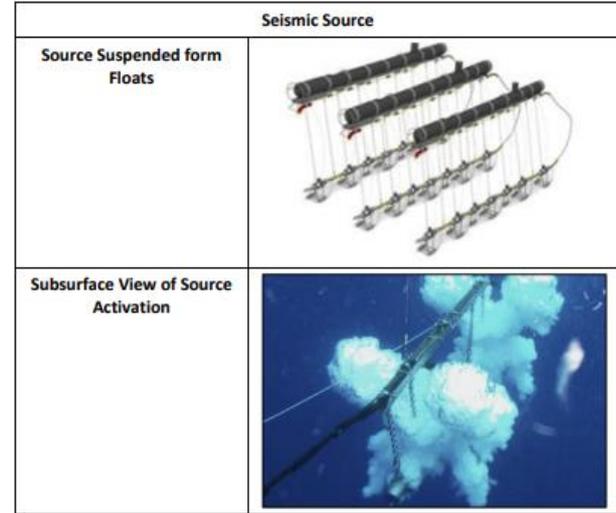
LN 101

Mini Source Boat



JHH201

Reduced Source Boat



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 of 1520/560/440/310 cu in 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.

BGP Inc., CNPC Crew 8652 Main Vessels for the Operations



LN 101

Mini Source Boat



JHH201

Reduced Source Boat



HYWT 203

Reduced Source Boat



HAI BAO X

Source Vessel * 2



HYWT 101-108

RIB Boat



HYWT 109-118

RIB Boat



HAI ZUAN

Drilling Boat * 2



HYWT 301-308

Node Boat * 8

BGP Vessel Parameter List

Name	Gross Tonnage	Length Over All (m)	Breadth (m)	Depth (m)	POB
HAI BAO 2	252.00	38.11	8.20	2.80	22
JHH 201	48.62	19.30	6.00	1.40	6
LN101	26.85	18.00	4.50	1.40	8
HYWT203	80.30	23.79	8.00	1.60	8
HYWT101-108	8.86	10.97	3.70	0.85	8
Hai Zuan 6/7/17/18/19	8.60	10.75	3.80	1.40	6
HYWT109-118	13.1	13.80	3.86	1.3	12
HYWT301-308	80.31	23.98	6.00	2.20	14

Contact List:

S/N	Name	Position	Mobile
1	HYWT 307	BGP Radio Room	VHF CH 75/16 Mobile: 00971(0)56 501 1707
2	HB2	Gun Boat	VHF CH 75/16 Mobile: 00971(0)50 755 6918
3	Hou Quanli	APC-Marine	00971(0)50 371 4918
4	Wang Hongyu	APC-PR	00971(0) 50 512 2918
5	Yang Yingkuan	QHSSE	00971(0) 50 639 0633
6	Wang Yang	Coordinator	00971(0)54 714 8533
7	NG Kok Kiang (Nick)	Port Captain	00971(0)50 163 9918
8	Raymond	Assistant Port Captain	00971(0) 50 469 5021

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

THANKS



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Vessle's Specification and Contact Details

S/N	Vessel Name	GRT	LOA(m)	Breadth(m)	Design Draft	VHF	E-mail ID	Mobile
1	HYWT 203/204	123	26.50	8.00	1.20	16,75	wangyangbgp@163.com ; mjrayan@gmail.com	Crew Marine Control room: 0501714198; Assistant Party Chief- Wangyang:0547148533; Mr Amjulian Rayan:0507588918;
2	JHH 201	104	19.50	6.00	0.95	16,75		
3	LN101/102	39.8	18.00	4.50	0.70	16,75		
4	HYWT 301/302/307/308	90	25.70	6.00	1.20	16,75		
5	FANGLAN 29/30	28	18.00	5.00	0.75	16,75		
6	WORK BOAT 103/104/105/106/107/108	7.44	11.90	3.70	0.65	16,75		
7	HYWT 109/110/111/112/113/115/117/118	23.2	13.80	3.60	0.55	16,75		
8	BGPO 007/008/010/011/014/015/016/018/ 019/021/022/023/024/025/026	2.7	8.00	2.70	0.55	16,76		