INCIDENT NO: 1433813 JIV report S/N:

Nº 0000343

(Note: As practicable as possible the JIT report is to be sign	ned in the field by all the participating parties)
A. GENERAL INFORMATION:	
1. Spill incident Number: 1433813 3. Name of Location 20" OTUMARA — E.	2.Type of incident* OIL SPILL
3. Name of Location 20 OTUMARA - E.	S'CRAYOS PIPELINE
	Hate: DELTA 6. LGA WARRI SOUTH - WEST
7. Type of Production facility/Installation OIL PIPE	ELINE
	M DEVELOPMENT COMPANY OF NIG. LIMITS
B. INCIDENT INFORMATION:	
9. Details of incident 15T JULY, 2015 a. Date of incident: 1 JULY, 2015 b. Start date/time of investigation: 4 TH JULY, 2015 Action. d. Description of spill point environment	2015 AT 1237 HRS tual investigation duration, days: ONE DAY
☐Firm soil ☐Loose soil	Recently excavated area
□Under water □Swampy	□Exposed pipe surface
□Well Platform (on Water □DrillRig	
WELDED ON THE - 20" OTUMARA -	EXCANATION, A 4" FAILED ILLEGAL HOT-TAP ANIZED PIPE FITTING WAS OBSERVED - ESCRAVOS PIPELINE AT 12 O'CLOCK STOPPED AT THE SPILL POINT AS AT THE
☐Complete Rupture ☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐	•
Operational Others (including Myster	

^{*}This can be; at Oil Spill b) Drilling fluid'Chemical e) Siltation d) construction e) Encroachment f) Fire.

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g. Spill point coordinates (THEFT POINT)	
	2023105
C. RISK ASSESSMENT	
10. Type of environment:	
□Land □Swamp □Water □Se	asonal swamp
 Type of environment to which oil has spread; 	
□Land □Swamp □Water □	River (identify)
ii. Weather condition	
☑kain □Sunny □Dry ☑Wet □V	Vindy □Hot □cool
11. Distance from the nearest sensitive habitat	•
 □ Government reserved and designated protected area □ Drinking water source □ Built up area □ Farmlands □ Fish Farm/Pond □ Fishing net □ Others (specify). 	[,m] NONE WITHIN [,m] THE VICINITY [,m]
12. Containment measures put-in place;	
☑Booms ☐Trench ☐Dyke ☐Na	ntural depression Pit None
Others:	
13. Any pictures or video coverage?	[N]
14. Further response/repair initiated as at the time of JIV?	Y] [W]
If yes to item 14, give brief description: REPAR IS BEING	PLANNED
15. Was there any disruption to the investigation? [Y] [W]

	no: <u>1433813</u>		. ~	9 0000343
yes to item 15 give brief descri	PION: NOT APP	LICABLE		·
. TYPE/NUMBERS OF PRO	OPERTIES,IF ANY, FOUN	D WITHIN THE	AREA OF SPREA	AD OF OIL
16. Structures / Properties /N Type of Structures	Description Size	Number	Comm	ents
NIONE	ITHAL A-PE	ANE	MPACT	
140142 14	111110 71100	71 01	NIT NO I	
17. Crops/Economic Trees //N Type of crops Young	Medium	Matured	Quantity	Comments
MALL	11-71-11 1 1 1	TA AF	IMPA	
14044	ALLILLIA YK	TA UF		
18. Fishing Nets/Fish Ponds			-	
	escription	Quantity/Size	Comments	<u></u>
TAINE !	1171111 A	REA CI	IMPA	CT
190792 1	17	<u> </u>	11.71	
19. Others (Specify) i.e. Ar	lescription	Quantity/Size	Comments	
11911		NT A	I m D	1 C - T
MUNC	MITTIN T	TACII () 111117	10
. GRAPHIC DESCRIPTION to leak report, overview sketch to			r leak point should	I be contained in
4" FAILED ILLEGAL	. HOT-TAP VALVE		•	
MELDED AT 12 0'	CLOCK	<u></u>		
POSITION				
			GALVANIZED PE FITTING	
,	K	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	C Filling	
	>	>)
() FROM O	TUMARA TO ES	CRAVOS		
	- ESCRAVIOS PIP	· · · · · · · · · · · · · · · · · · ·	OGIDIGREN	<u> </u>
V 1 1100	Page 3 c		- (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-

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F: TABLE SHOWING SOME OF COORDINATES TAKEN DURING JIV FOR AREA CALCULATION

20. Impacted area boundary Coordinates (If more Pint and attach as an appendix)

1442	94
•	Easting (LONGITUDE)
5.55925	5.20249
5.55904	5·20 2 <i>5</i> 5
5.55897	5.20244
5.5287825	5-20 23726
5·5587769	5.2024572
5.558822	5.2024516
5.5588163	5.2025023
5.558681	5.20 25 02 3
5.27 86 866	5.20 23 444
5.5578686	5.2021469
5-55794	5.20202
5.55805	5.20203
5.55826	5.20204
5.55905	5.20223
5.55925	5-20235
•	<i>/</i> ·
	/ QU'
	11
	· of 07/2015
	Northing (LIMITUDE) 5.55925 5.55909 5.55897 5.5587769 5.5588163 5.5588163 5.558686 5.5578686 5.5578686 5.5578686 5.5578686 5.55794 5.55895 5.558925

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a. Impacted Area Details Total calculated area of impact Impact within R.O.W Impact outside R.O.W Impact outside R.O.W Recovered oil Vect: Recovered oil Vect: Recovered oil Vect: NIL Barrels Controlled recovery/evacuation from source with no impact to environment: NIL Barrels C. Net Estimated Spilled VolumeV _{Ext} (bbls)* = 32.95 BBLS Estimated Reported Volume** V _{ctt} (bbls)* = 33 BBLS *Notes: Yolume estimation was done using an excel based tool-tree attached for details on the calculation) Reported spilled volume to an estimate Write other relevant mores taken into consideration for estimating the spilled in the box below:	G. INCIDENT INFORMATION:	
Impact within R.O.W Impact outside R.O.W Recovered oil V _{rect} : Recovered oil V _{rect} : Recovered oil V _{rect} : NIL Barrels Controlled recovery/evacuation from source with no impact to environment: NIL Barrels C. Net Estimated Spilled VolumeV _{Ext} (bbls)* = 32.95 BBLS Estimated Reported Volume** V _{rep} (bbls)= 33 BBLS *Notes: Volume estimation was done using an excel based tool.tsee attached for details on the calculation; Reported spilled volume is an estimate Write other relevant notes taken into consideration for estimating the spilled in the box below:	a. Impacted Area Details	
Controlled recovery/evacuation from source with no impact to environment: N L Barrels	Impact within R.O.W Impact outside R.O.W HES	_
c. Net Estimated Spilled VolumeV _{Ext} (bbls)* = 32.95 BBLS Estimated Reported Volume** V _{rev} (bbls)= 33 BBLS *Notes: *Volume estimation was done using an excel based tool.tsee attached for details on the calculation) - Reported spilled volume is an estimate Write other relevant notes taken into consideration for estimating the spilled in the box below:		Barrels
*Notes: *Notes: *Volume estimation was done using an excel based tool. (see attached for details on the calculation) *Reported spilled volume is an estimate Write other relevant notes taken into consideration for estimating the spilled in the box below:	Controlled recovery/evacuation from source with no impact to environment:	<u>, </u>
*Notes: *Volume estimation was done using an excel based tool. (see attached for details on the calculation) *Reported spilled volume is an estimate Write other relevant notes taken into consideration for estimating the spilled in the box below:	c. Net Estimated Spilled VolumeV _{Est} (bbls)* =	
*Notes: Volume estimation was done using an excel based tool, tsee attached for details on the calculation) Reported spilled volume is an estimate Write other relevant notes taken into consideration for estimating the spilled in the box below:	32.95 BBLS	
 Volume estimation was done using an excel based tool, (see attached for details on the calculation) Reported spilled volume is an estimate Write other relevant notes taken into consideration for estimating the spilled in the box below: 	Estimated Reported Volume** V _{rep} (bbls)= 33 BBLS	
	*Notes: Volume estimation was done using an excel based tool,(see attached for details on the calculation) Reported spilled volume is an estimate	
·	Write other relevant notes taken into consideration for estimating the spilled in the box below:	- - -

Calculation of the respective estimated volume is to be done on site as far as practicable using the new spill volume estimation software on site; Conversion of m' to burrels is Volume (m3) x 6.29; **Round up estimated volume to next whole number using the following rules:

- Any spill volume in excess of -1 bbl is rounded up to the next whole number.
- Any spill volume in less than 1 bbl is rounded up to the next 0.1 bbl.

Examples: Calculated volume = 15.3 bbl ------ Reported volume = 16 bbl Calculated volume = 0.35 bbl ------ Reported volume = 0.4 bbl Calculated volume = 0.1 bbl ------ Reported volume = 0.1 bbl

Wherever this estimation tool is not applicable please refer to paragraph be (Decianous) of the JW procedure to use appropriate steps for volume estimation; record the calculation in a plain sheet of paper and attach to the JW report.

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d. General Status of the site

i.	Joint investigation of the incident site found that there is no residual impact after the initial response a therefore recommend that the site be closed out	TIL bas
ii.	Investigation of the incident site showed that there is residual impact on site requiring further works	N

e. Representatives

This report was filled, agreed and signed by the following joint investigation team representatives:

- Host Community: □
- Department of Petroleum Resources [DPR]: □
- National Oil Spill Detection and Response Agency [NOSDRA]: □
- State Ministry of Environment [SME]: □
- Asset Owner: □
- Signatories agree with reported findings: □
- Separate DPR form has been filled out with same findings□

Tick as applicable

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f. Appendix 1: Overview sketch of the site

