INCIDENT NO: 1713134

Nº 0000191 JIV report S/N: (Note: As practicable as possible the JIT report is to be signed in the field by all the participating parties) A. GENERAL INFORMATION: 1. Spill incident Number: ____1713134 2. Type of incident* OIL SPILL 3. Name of Location 12" IMO RIVER - OGALE PIPELINE 4. Name of nearest community OGALE 5. State: KNERS 6. LGA ELEME 7. Type of Production facility/Installation OIL PIPELINE 8. Asset owner/District THE SHELL PETROLEUM DEVELOPMENT COMPANY OF NIG MITED PIPELINE . **B. INCIDENT INFORMATION:** 9. Details of incident a. Date of incident: 17 TH SEPTEMBER, 2016 b. Start date/time of investigation: 2157 SEPTEMBER, 2016 c. Investigation End date: 22MS EPTEMBER 2MStual investigation duration, days: TWO (2) DAYS d. Description of spill point environment Loose soil ☐Firm soil MRecently excavated area Under water □ Swampy Exposed pipe surface ☐Well Platform (on Water ☐ DrillRig Additional observations around the spill point: NOT APPLICABLE e. Description of leak point (tick as applicable); ☐Drilled hole Tear (☐Hack saw cut Complete Rupture ☐ Inward dent. ☐ Well head tampering Failed Weld-on illegal hot tap valve ☐ Failed Clamp. ☐ Missing Pipeline/Flowline Crude oil theft (illegal bunkering) point. ☐ Saver-pit over flow ☐ Third party tampering with Clamp ☐ Third party tampering with valve setting ☐ Bulging Outward Third party tampering with flange, ☐Flare System/Bund wall failure □Cold vent ☐ Surge vessel overflow, ☐ Valve Failure Relief valve failure Accidental 3rd party equipment impact Others(specify) f. Incident caused by: Third party interference (Sabotage□;crude theft⊡; Line theft□; Accidental 3rd party damage□) ☐ Operational Others (including Mystery spills)_

^{*}This can be: a) Oil Spill b) Drilling fluid Chemical c) Siltation d) construction e) Encroachment f) Fire,

	INCIDE	NT NO:	11513	<u> </u>	JIV rel	port S/N:	No	000019
g. S	pill point coordinat	tes						
_	feasuring unit	MC	is8	4				
11. 19	Northlage	-AT)	.,,	_	Easting: (L	ong)		
Spill Point	4.8	3487			7.15.	<u> 591</u>		
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		<u>.</u>						
C. RIS	K ASSESSMEN	г						•
10.	Type of environm	ent:						
	Land	□ Swamp	□w	'ater	☐ Seasonal	swamp [Shoreline/V	Vaterfront
	i. Type of	environment to w	hich oil h	as spread:			٠	
	Land	□ Swamp		Water	□River	(identify)		-
	ii. Weather	condition					,	
	□Rain	Sunny	Dry	□Wet	■Windy	□Hot	⊡cool	
11.	Distance from the	: nearest sensitive	habitat					
	☐ Government☐ Drinking war ☐ Built up area☐ Farmlands☐ Fish Farm/Pc☐ Fishing net☐ Others (spec	ond .	gnated pr	otected area	Mil Mil Mil	. ,m] . ,m] .m} L. ,m] _ ,m] _ ,m]		
. 12	Containment mea	sures put in place	; ;	_	•			
	Booms		rench	Dyke	□Natural d	epression	₽it	None
	Others:							
13.	. Any pictures or v	ideo coverage?			[Y] ✓	[N]		
_ 14	. Further respons	e/repair initiated a	as at the ti	me of JIV?	√ [Y] .	[N]		
Mo	PPING OF	SPILL IMP						
MHIL	E REPHIK	WAS DON	<u>e</u> 611	THE A	HTECTED_	PIPELIN	<u>E 3ee7</u>	IDN BY
CL75	n PING. Was there any di	sruption to the in	vestigatio	n?		[N]		

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	to item 15 give br	descri	ption:	PPL	ICAB	LE	
	YPE/NUMBERS 6. Structures / Pro		PERTIES,IF	• • •	- •		PREAD OF OIL
S/N	Type of Struct	ıres	Description	Size	Number	Co	mments
N	DNE	MI	THIN	ARE	A e	FIM	PACT
1	7. Crops/Econom	ic Trees	•	<u>'</u>		<u>'</u>	
S/N	Type of crops	Young		Medium	Matured	Quantity	Comments
ii ii	VEGE (NOLE	Fe		FEW	KEW	-	LIGHT IMPORT
	YOUTERNET		<u></u>	NIL_	170-		MPCT
							
S/N	8. Fishing Nets/FinestyPonds		escription	1	Quantity/Size	Comments	
20174	recoronus		escription	<u> </u>	Quantity/Size	Comments	
	ANC		1 HL		0 F A	٦٢	INDACI
`		-M		1 1	K C A	01	HALLYCI
	O Othor (Sancif) i n An	imal Turns				
S/N	9. Others (Specify Others		escription	Γ	Quantity/Size	Comments	
3/14	t / T-	1 1	escription		Quantity/Size	COMMENS	1000
		14			2 – A		MPACE
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F C	DADUIC BESCE	IPTION	OF LEAK BO	NNT (while d	otail raport of th	a leak noint ei	hould be contained in
	ak report, overviev					e reak point si	iouiu de comumeu m
101					PIPEL	INE AT	OGALE S
	Due () N						
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			41 1X 0 0	CLOCK 120	RAI HONIE	<u> </u>	n Person(s)
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			O RIVER -	Page 3 of	PIPELL		

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

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

SN Northing (LAT) Easting (LONG) 1 4.83489 7.15599 2 4.83491 7.15589 3 4.83480 7.15588 4 4.83480 7.15559 5 4.83445 7.15545 6 4.83430 7.15570
1 4.83489 7.15599 2 4.83491 7.15589 3 4.83480 7.15588 4 4.83480 7.15559
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6 4.83430 7.15570
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2)

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G. INCIDENT INFORMATION:
a. Impacted Area Details
Total calculated area of impact Impact within R.O.W YES Impact outside R.O.W YES Valume of oil recovered before completion of JIV (V _{recJ}): Recovered oil V _{recJ} : Recovered oil V _{recJ} : NtL Barrels
Controlled recovery/evacuation from source with no impact to environment: Nil. Barrels
c. Net Estimated Spilled VolumeV _{Est} (bbls)* = 9. 74 Barreis Estimated Reported Volume** V _{rep} (bbls)= 10 Barrels
*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: NOT APPLICABLE
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 ³ to burrels is Volume (m3) x 6.29; **Round up estimated volume to uses 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 counded up to the next 0.1 bbl. Framely, and Advanced by the act of the county
Examples: Calculated volume = 15,3 bbt Reported volume = 16 bbt Calculated volume = 0,35 bbt Reported volume = 0,4 bbt Calculated volume = 0,01 bbt

Wherever this estimation tool is not applicable please refer to paragraph by (Devianous) of the AV procedure to use appropriate steps for volume estimation; record the calculation to a plain sheet of paper and attach to the AV 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 and therefore recommend that the site be closed out ii. Investigation of the incident site showed that there is residual impact on site requiring further works 	JIT
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:5	
Signatories agree with reported findings:	
Separate DPR form has been filled out with same findings ☐	
Tick as applied	ible

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f. Appendix 1: Overview sketch of the site

