INCIDENT NO: 1871090 JIV report S/N:

Nº 0000335

(Note: As practicable as possible the JIT report is to be signed in the field by all the participating parties)

		<i>5,</i>
A. GENERAL INFORMATION:		
1. Spill incident Number: <u>/ 8 7 / 0 9</u>	O 2.Type of incident ^a	OIL SPILL
3. Name of Location 20" KOLOCRE	EK - RUMUEK	PE PIPELINE
4. Name of nearest community ODAU	•	_
7. Type of Production facility/Installation OIL P		
3. Asset owner/District THE SHELL PETRO	•	MENT COMPANY OF NIGERIA
PIPELINE B. INCIDENT INFORMATION:	ACUM BEYELDIN	COL COMMENT OF THE PORT
Y		
O. Details of incident a. Date of incident: IST JUNE 2017	,	
b. Start date/time of investigation: 2ND JUL	7 2017/1215HRS	
c. Investigation End date 2007 Usbar 2017	_ Actual investigation dura	tion, days: IWO (2) DAYS
d. Description of spill point environment	_	3 /4
Firm soil Loose so		Recently excavated area
Under water Swampy		Exposed pipe surface
□Well Platform (on Water □DrillRig		
Additional observations around the spill point:	AL TUIDE SHIF	WESTIGATION TEAM
AMER SHOT & AMAREZ INT.	TALLED 15cm	APART AT 12 0'LLOCK
POSITIONS		
	 	
 e. Description of leak point (tick as applicable); Drilled hole 	☐Hack saw cut	☐ Tear (),
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 3 rd party equipment impact
Others(specify)		
f. Incident caused by:		
Third party interference (Sabotage□;crude the □Operational □Others (including N		ntal 3 rd party damage□)

^{*}This can be: a) Oil Spill by Drilling third Chemical et Siliation d) construction, et Encroachment f) Fire,

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If yes to	item 14, give brief TEMP OR		PAIR B	Y SCRE	w P	LUGGIA	14
14.	-	se/repair initiated as	at the time of JIV?	·	[N]		
13.	Any pictures or	video coverage?		W	[N]		
	Others:			•			
	Booms	□т	ench Dyke	√⊿Natural d	epression	□Pit	□None
12.	Containment me	asures put in place;					
	☐ Governmen ☐ Drinking wa ☐ Built up are ☐ Farmlands ☐ Fish Farm/F ☐ Fishing net ☐ Others (spec	a Pond	gnated protected are	a [[[[[[m,	MUHIN	BEEN VICINIT
11.		ne nearest sensitive	•	□ w indy	шлос	шсоо:	
	ii. Weathe □Rain	er condition Sunny	□Dry □Wet	□Windy	□Hot	□cool	
	Land	√ Swamp	□Water	Rive	r (identify)	<u> </u>	_
	i. Type o	f environment to wh	nich oil has spread:				
	Land	☐Swamp	□Water	Seasona	swamp	Shoreline	/Waterfront
	Type of environ						
			-				
	4.92	830		6.43	727		
	Northing:	-AT (WG	1584)			(WGS	84)
11. 1	Measuring unit			Factions			

If yes to item 15 give brief description:

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THE	UA40	CBMM	IUNITY	STOPP	ED THE T	EAM I	n their	COMMUN
ANA	DELKYE	<u> </u>	LS FOR	<u> 1 Hou</u>	R ISMIN	UTES.		
D. TYP	E/NUMBERS	OF PRO	OPERTIES,IF	ANY, FOUND	WITHIN THE A	AREA OF	SPREAD OF	OIL
	Structures / Pr		ls	Lou			 	
S/N 13	ype of Struct	ures	Description	Size	Number		Comments	
NO	NE	V	117	H/N	AREA	OF	IMP.	467
	Crops/Econom	1		I		r		
S/N Ty	ype of crops	Young		Medium	Matured	Quantity	Comn	ients
NO	VE K	517	HIN	AR	EAC	FI	MPAC	7
				1		l	I	
	Fishing Nets/Fets/Ponds		escription	1,	Quantity/Size C	Comments		
3/14 144	E13/1 VIIU3		rescription		Quantity/Size	ZOIBINEII (S		
NC	N€_	MI	THIN	ARE	=A 01	= //	1PAC	\mathcal{T}
19.	Others (Specif	· · · · · · · · · · · · · · · · · · ·						
S/N O	thers		escription		Quantity/Size	Comment	<u>s</u>	
NO	NE V	117	1110	ARE	A OF	Mf	AC-	T
the leak)	report, overvie	w sketch o	of the site should	d be added as a	etail report of the n appendix 1)	sect	TIDN OF	= 20"
LOLOC	reek -	· Rur	NUEKPE	PIPELI	NE AT	ODAU	SHOWIN	G 2NOS
					INSTALL			
20'01	LOCK	0 3/7	IDNS BY	UNKNE	WN PER	s ons	· ·	
	ט עם	LVES				D.		
	_		•			PILL		
	DAT 12	O.C.LOC	* \	_	POI	NT		
SITI	0N2S		//	1	Į.			

KOLOCREEL TO RUMUERPE

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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)

	(MG S 8	牛)
S/N	Northing LAT	Easting LONG
	4.9282	6.4372
	4.9284	6.4371
	4.9286	6-4-382
	4.9288	6.4393
	4.9289	6.4402
	4.9291	6.4404
	4.9292	6.4408
	4.9292	6.4414
	4.9291	6 - 4418
	4.9293	6.4422
	4.9292	6.4425
	4.9293	6.4428
	4.9294	6.4436
	4.9293	6.4436
	4.9291	6.4430
	4.9290	6-4425
	4.9290	6.4420
	4.9289	6.4417
	4.9289	6.4415
	4.9287	6.4402
	4.9285	6.4396
	4-9285	6.4389

№ 9000335

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υ.		ь.	٠,	╌		•	_	٠.	٠,		•	4	٦.		•		• :		• 4	-					

a. I	mpacted	Area	Details
------	---------	------	---------

Total calculated area of impact 2.025 Hq
Impact within R.O.W YES
Impact outside R.O.W YES

b. Volume of oil recovered before completion of JIV (Vrect):

Recovered oil V_{recJ}: 6 8 8 Barrels

Controlled recovery/evacuation from source with no impact to environment:

NONE Barrels

c. Net Estimated Spilled VolumeV_{Est}(bbls)* =

1/26.56 BBLS

Estimated Reported Volume** V_{rep}(bbls)=

1/27 BARRELS

*Notes:

Volume estimation was done using an excel based tool, tsee anached for details on the calculation)

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 m³ to barrels is Volume (m3) x 6.39; **Round up estimated volume to next whole number using the following rules:

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

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

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d.	General	Status	of the	site

1	oint investigation of the incident site found that there is no residual impact after the initial response and JIT herefore recommend that the site be closed out
ii. In	nvestigation of the incident site showed that there is residual impact on site requiring further works

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]: ☑
- 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

Location : 20	"KOLOCR	EEK- RI	UMU EKP	E PIPELI	NE AT (BAAU
~	Υ	~	0	r	γ	\checkmark
	RUSH Fasonal s	WAMP	$\boldsymbol{\gamma}$	ightharpoons		C RIGHT
Y	Υ.	Υ	\sim	Υ-		WAY
	20" KOL	OCREEK	- RUMUE	KPE PIPEL	-ine	$\sim / \setminus $
			DAAU	Υ	_	11
7	Υ	-	Υ _			J. t
SPILL P	OINT		i i i i i i	A CONTRACTOR OF THE PARTY OF TH		
				~	LIGHT	impact"
- Line		~	HEY.	YY IMPACT.		~
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~	Υ	. Y	~		Ϋ́	