INCIDENT NO: 2665324 JIV report S/N:

0528

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

A. GE	NERAL INFORMATION:				
l. Fou	ntain Incident Number: 2661	5324	2. Type of incider	"OILSPILL	
3. Nan	ne of Location 36" NKF	POKU -	OGALE PI	PELINE	
4. Nan	Name of nearest community RUMUDKWURUSI 5. State: RIVERS 6. LGA OBIO - AKPOR				
7. Proc	duction Facility/Installation	0	IL PIPELIN	E	
8. Ass B. INC	COMPANY OF CIDENT INFORMATION:	L PETRI	OLEUM DEVEL	OPMENT (SPOC)/PIPELINE	
a. b.	ails of incident Date Reported: <u>15TH JUN</u> Start date/time of Investigation: <u>20</u> Investigation End date: <u>20TH</u>	TH JUKE	= 2020 14:46HA	5 site: ONE (1) DAY	
d.	Description of spill point environme			,	
	☐Firm soil	Loose soi	ı <b>E</b>	Recently excavated area	
	Under water	Swampy		Exposed pipe surface	
	☐ Well Platform (on water)	□Drill Rig		Sand bag(s)	
	Additional observations around the				
	Description of leak point (tick as ap Smooth round-edge hole Complete Rupture Farled Weld-on illegal hot tap valve Crude oil theft (illegal bunkering Third party tampering with valve Flare System/Bund wall failure Valve Failure Tear ( Cothers (specify)	eg) point, we setting	Rough-edge hole Inward dent, Failed Clamp, Saver-pit over flow Bulging Outward Cold vent Relief valve failure	☐ Hack saw cut ☐ Well head tampering ☐ Missing Pipeline/Flowline ☐ Third party tampering with Clamp ☐ Third party tampering with flange, ☐ Surge vessel overflow, ☐ Accidental 3 <sup>rd</sup> party equipment impact	
,	Incident caused by:  Third party interference (Sabota  Operational			ridental 3 <sup>rd</sup> party damage □)	

\*This can be: (a) Oil Spill (b) Drilling fluid/Chemical (c) Siltation (d) Water Leak (e) Fire (f) Non-leaking theft point removal Version 2020/01 Distribution of copies: White (Asset Owner); Pink (DPR); Green (NOSDRA); Yellow (State Ministry of Environment), Blue (Host Community)

Page 1 of 8

INCIDENT NO: 2665324 JIV report S/N: 0528

g. Spill Point Coordinates (*Incidents ≤100m aparth. Measuring unit	rt to be aggregated into one Joint Investigation Report)
Northing:	Easting:
4.86997	007.08475
C. RISK ASSESSMENT	
10. Details of Environment	
i. Type of environment where spill occu	arred (select one):
Land Swamp Dwa	ater Seasonal swamp Shoreline/Waterfront
ii. Type of environment to which oil has	spread:
□ Land □ Swamp □ Wa	sterbody (specify)
iii. Weather condition	
□ Dry □ Wet □ Wi	ndy
11. Distance to Sensitive habitat within 100m	radius
Government reserved and designated properties.  Drinking water source  Surface water  Borehole  Built up Area  Residential Area  Farmlands  Fish Farm/Pond  Fishing net  Others (specify)	[ ,m] NONE SEEN  [ ,m] WITHIN  [ ,m] [ ,m] VICINITY
□Booms □Trench □ Dyke □ Pit	Natural depression None
Others:	
13. Any pictures or video coverage?	[N]
14. Further response/repair initiated as at the time	e of JIV? [N]
If yes to item 14, give brief description:  REPAIR BY	CLAMPING

INCIDENT NO: 2665324 JIV report S/N: 0528

16.	. Was JIV delayed?	OT A	PPLI	CABLE	
	Reason(s): NOT  Delayed Community Others (specify)	y Access Approval	☐ Security	Chartenge	cess constraint due to terrain
D. 17	TYPE/NUMBERS (). Structures / Propert	OF PROPERTIES ies	, IF ANY, FO	UND WITHIN THE A	REA OF SPREAD OF OIL
S/N	Type of Structures	Description	Size	Number	Comments
	NONE	MITHI	NAR	EA OF I	MPACT
18 S/N	Crops/Economic Tree Type of crops You		Medium	Matured Qu	antity Comments
	NONE	WITH	NAF	EA OF 3	LMPACT -
19 S/N	Pish/Nets/Ponds Fish/Nets/Ponds	Description		Quantity/Size Con	nments
	NONE	WITH:	LN AR	EA OF ]	LMPACT
20 S/N	Others (Specify) e.g.	Animal Traps  Description		Quantity/Size Co	ommeats
	NONE	WITHI	NAR	EA OF:	IMPACT
E. GR	APHIC DESCRIPTION APPLICATION OF THE PROPERTY	ON OF LEAK PO	NNT (while de ould be added	tailed description of the as appendix 1)	ne leak point should be contain
In the	lcak report, overview s ECTION OF	36" NKPON	cu - og	ALE PIPELL	VALVES TAISTAL
		A. 1 A 1 \ T & 1 /		THE A DULL	V/ 100 1 000 000 000 000 000 000 000 000
130	ocm and 30c	n From EA	CH AT 12	COCOOTIN	
ERS	son(s)	•	-	3"BI	ILB VALVES
		8			
		CO P	3.19.		(   36"

Version 2020/01

INCIDENT NO: 2665324 JIV report S/N: 0528

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

21. Impacted area boundary Coordinates (If more, Print and attach as Appendix)

S/N Northing	Easting
24 4.86995	007.08482
205 4.86992 206 4.86998	co7.08477
	CO7.08477 CO7.08470
207 4.87002	007.08474
208 4.87013	007.08464
209 4.87014.	007.08465
260 4.87086	007.08474
211 4.87007	007.08478
212 4. 87001	007.08483
/,	

INCIDENT NO: 2665324\_ JIV report S/N: 0528

INCIDENT IN	FORMATION:			
a. Impacted	Area Details *			
•	Total calculated area of impact ( $Ha$ ) Impact within SPDC R.O.W Impact outside SPDC R.O.W imal places if area is $\geq 100 \text{ m}^2$ or to 4 decines ( $Ha$ )	Y		
•	foil recovered before completion	of JIV (Vrec):		monor distributions according to article outsides
b. Volume o	Recovered	oil VrecJ:	NIL	Barrels
c. Net Esti	mated Spilled Volume V <sub>Est</sub> (bbls)*	= 5.37		
Estimated Repo	orted Volume** V <sub>rep</sub> (bbls)=	BARREI	<u></u>	
	timation was done using an excel based tool.(see pilled volume is an estimate evant notes taken into consideration for volume (			

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 barrels 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 = 0.01 bbl ------ Reported volume = 0.1 bbl.

Wherever this estimation tool is not applicable please refer to paragraph 6c (Deviations) of the JIV procedure to use appropriate steps for column estimation; record the calculation in a plain sheet of paper and attach to the JIV report.

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Page 5 of 8

INCIDENT NO: 2665324 JIV report S/N:0528

d.	General	Status	of th	o eito
	~	Status	oi in	e e 111

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

#### e. Representatives

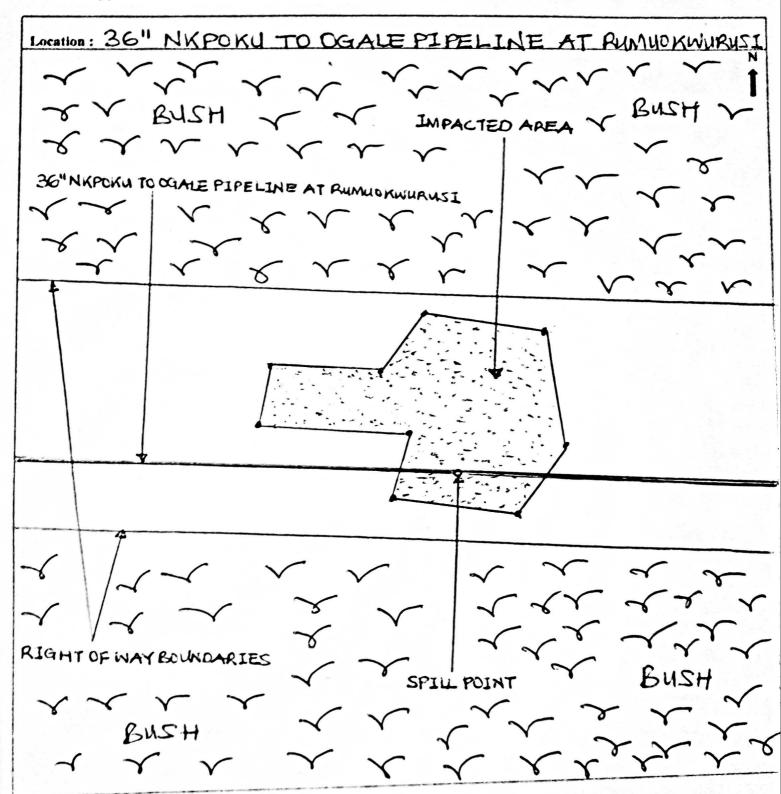
This report was filled, agreed and signed by the following joint investigation team representatives:

- Host Community: □
- Department of Petroleum Resources [DPR]: □
- National Oil Spill Detection and Response Agency [NOSDRA]:
- State Ministry of Environment [SME]:
- The Shell Petroleum Development Company [SPDC]:
- Separate DPR form has been filled out with same findings □
- Separate NOSDRA form has been filled out with same findings
- Separate SME form has been filled out with same findings

Tick as applicable

INCIDENT NO: 2665324 JIV report S/Ng 528

f. Appendix 1: Overview sketch of the site



Version 2020/01