INCIDENT NO: 14/38/16 JIV report S/N:

Nº 0000008

(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: 1413816 2. Type of incident\* OIL SPILL 3. Name of Location 28" NKPOKU - BOMU PIPELINE

4. Name of nearest community 5. State: RIVER 6. LGA ELEM F 4. Name of nearest community 7. Type of Production facility/Installation OIL PIPELINE SPDC / PIPELINE **B. INCIDENT INFORMATION:** 9. Details of incident a. Date of incident: 215 MAY 2015 b. Start date/time of investigation: 71/ JUNE, 2015 c. Investigation End date: 714 JUNE, 2015 Actual investigation duration, days: ONE (1) DAT. d. Description of spill point environment Loose soil Recently excavated area Firm soil □Swampy Exposed pipe surface ☐Under water Well Platform (on Water ☐ DrillRig Additional observations around the spill point: DURING THE JOING IMVESTIGHTION VISIT. SAND BAGI WAS OBSERVED AT SPILL POINT. e. Description of leak point (tick as applicable); Tear (\_\_\_\_ Hack saw cut ☐Drilled hole ☐ Well head tampering ☐ Inward dent. Complete Rupture ☐ Missing Pipeline/Flowline Failed Clamp, Failed Weld-on illegal hot tap valve ☐ Third party tampering with Clamp ☐ Saver-pit over flow Crude oil theft (illegal bunkering) point, ☐ Third party tampering with flange, ☐ Bulging Outward ☐ Third party tampering with valve setting ☐ Surge vessel overflow, ☐Cold vent ☐Flare System/Bund wall failure Accidental 3rd party equipment impact Relief valve failure ☐ Valve Failure Others(specify) f. Incident caused by: ☐Third party interference (Sabotage☐;crude theft☐; Line theft☐; Accidental 3<sup>rd</sup> party damage☐) Others (including Mystery spills) ☐ Operational

<sup>\*</sup>This can be: a) Oil Spill b) Drilling fluid/Chemical c) Siltation d) construction e) Encroachment f) Fire,

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g. Spill point coord	inates			·			
h. Measuring unit		W 9	<u> </u>				
Northing:	LATITUDE)	_	Easting:	Longitus	(30		
<del></del>	4.774723			Easting: (LONGITUDE) 7-145318			
C. RISK ASSESSM	ENT		<del></del>		_		
10. Type of enviro	onment:						
<b>L</b> and	☐Swamp	□Water	☐Seasona	al swamp 🔲 S	Shoreline/	Waterfront	
і. Туре	of environment to w	hich oil has sprea	d:				
Land	☐Swamp	□Water	□Rive	er (identify)		_	
ii. Wea	ther condition						
□Rain	Sunny	□Dry □W	/et □Windy	Hot	□cool		
11. Distance from	the nearest sensitive	habitat					
☐ Governm ☐ Drinking ☐ Built up : ☐ Farmland ☐ Fish Farm ☐ Fishing n ☐ Others (s	ls n/Pond et	gnated protected	] [1 <u>4</u> [14] [14]	/L ,m] /r ,m] /r ,m] /r ,m] /r ,m] /r ,m]			
12. Containment	measures put in place	ند. •••	•				
Booms		French Dyl	ce <b>D</b> Natural	depression	□Pit	□None	
Others:_			•				
13. Any pictures	or video coverage?		W	[N]			
14. Further resp	onse/repair initiated	as at the time of J	IV?.	[ N ]			
If yes to item 14, give be	ier description: RECOVERY 5 DONE	ACTIVAT	THE ON!	BOING.	REPA	MR_	
WORK HA	JONE 1	BY CLA	MPING.				
15. Was there an	y disruption to the in	vestigation?	[ Y]	[HA]			

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If yes to item 15 give brief of	description:					
NOT	APPLI	CABL	£			
D. TYPE/NUMBERS OF	PROPERTIES,IF	ANY, FOUND	WITHIN THE	AREA OF SPRE	AD OF OIL	
16. Structures / Proper S/N Type of Structures		Size	Number	Соши	ents	
NONE 1	WILHM	ARA	<b>4</b> OF	Trap,	#cf	
17. Crops/Economic T S/N Type of crops Y	rees	Medium	Matured	Quantity	Comments	•
N Type of Crops 1	T CHILL	M A A d	^ C	2000	+	
MONT K	ti Ittini	MKCA	0+	KIPHU		
10 Fishing New Figh		-		<u> </u>		
18. Fishing Nets/Fish S/N Nets/Ponds	Description Description		Quantity/Size	Comments		
MONE L	I VIHAN )	AREA	OF J	MARAC		
19. Others (Specify) i.	e. Animal Traps					
S/N Others	Description		Quantity/Size	Comments		
Monte	JUHIN	KREA	OF J	UPA-CT		
E. GRAPHIC DESCRIP	TION OF LEAK DO	OUNT (while d	letail separt of the	e leak noint shoul	d he contained in	
the leak report, overview of	tetch of the site should	d be added as a	n appendix 1)	ESAMMH	EBUBU S	Horde
TION OF 28" ME E MUMBER OF	keich of the site should PUKY - BOP 2" CRMIE	OIL THE	FT POINT	M 120'C	LOCK POSI	ion!
2" BALL VA						
•					- CXSITING	7
Λ			<i>→</i> 9~-	- <del>-</del>	: <u> </u>	<b>-</b> ↑↑
28"		23 c	4	\$ 4		
<b>1</b> //	<del></del>		<u> </u>	J		1/1
Fan	n Nkpoku	To 12	mau.	_	$\Rightarrow$	
(T)(0)	a Mylana		V ,			

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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)

OAI		362 84 ·
S/N	Northing (MATITUDE)	Easting (LDNG(TKDE)
	4.774576	7 145469
	4.774560	7.145472
	4. 774512	7-145467
	4 774508	7-145500
	4.774495	7.145490
	4.774470	7-145480
	4 773986	7.145776
	4-774602	7-145811
	4. 773792	7.145932
	4 . 773691	7.14-6007
	4. 773659	7-146123
	4.773482	7.146003
	4 773372	7-146011
	4 77 3378	7.145966
	4.773625	7-145968
<u>.</u>	4 773985	7.145754
	4 774144	7.145669
· · · · · · · · · · · · · · · · · · ·	4.774183	7-145629
	4.774245	7 145592
	4.774542	7-145407
	4.774722	7-145341
	4 774707	. 7.145324
	4.774932	7-145317

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G. INCIDENT INFO	PRMATION:	•		j.
a. Impacted Ar	ea Details			
• Imp	nt calculated area of act within R.O.W act outside R.O.W		<u> </u>	_
b. Volume of oi	recovered befo	ere completion of JIV (		·
		Recovered oil V <sub>rect</sub> :	7012	Barrels
Controlled reco		from source with no imp MIL Barrels	pact to environment:	
c. Net Estimate	d Spilled Volun	neV <sub>Est</sub> (bbls)* =		
	-	1.36 BARA	eers	
Estimated Reported	Volume** V <sub>rep</sub> (b	bls)= 2	BARRELS.	
		excel based tool,(see attached for	r details on the calculation)	
Write other relevant i	l volume is an estimate totes taken into consid	eration for extimating the spilled	in the box below:	
			•	
Conversion of m3 to barrel	s is Volume (m3) x 6.25	to be done on site as far as pract 9; **Round up estimated volume is rounded up to the next whole	ticable using the new spill volume esti- to next whole number using the follow mumber.	mation software on site; wing rules:
Anv spill volum	e in less than — I bbl	is rounded up to the next 0.1 b	hh.	
Examples:	Calculated volume	: 15.3 bbl Reported volun - 0.35 bbl Reported volu - 0.01 bbl Reported volu	$mc = 0.4 \ bbl$	

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

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Tick as applicable

i. Joint investigation of the incident site found that there is no residual impact after the initial response and JIT 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

c. 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

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f. Appendix 1: Overview sketch of the site

