JIV report S/N:

Nº 0000043

INCIDENT NO: 1449657

(Note: As practicable as possible the JIT report is to be signed in the field by all the participating parties) A. GENERAL INFORMATION: 1449657 1. Spill incident Number: 2.Type of incident\* [] ROMII - BONNY PIPELINE 4. Name of nearest community BODO-CITY 5. State: RIVERS 6. LGA GOKANA 7. Type of Production facility/Installation DIL PIPELINE EUM DEVELOPMENT COMPANY LIMITED PIPELINE FFTROI EILM B. INCIDENT INFORMATION: 9. Details of incident 28TH JULY 2015 a. Date of incident: b. Start date/time of investigation: 29TH July, 2015 /13:23 Hours c. Investigation End date 29TH JULY 2015 Actual investigation duration, days: 1NE(1) DAY d. Description of spill point environment Loose soil Firm soil Recently excavated area ☐Under water **Z**Swampy Exposed pipe surface ☐Well Platform (on Water Additional observations around the spill 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, ☐ Third party tampering with Clamp ☐ Saver-pit over flow ☐ 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 3<sup>rd</sup> party damage☐) ☐ Operational Others (including Mystery spills)

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

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g. Spill point coordinates	,					
h. Measuring unit	•	Was 8	4			
Northing: (LAT	TITUDE)	4	Easting: CL	11,240_	use)	
. 4	. 6044:	<u> </u>	,	7.250	174	
	<del></del>	<del></del>				<u></u> ]·
C. RISK ASSESSMENT						
10. Type of environmer	nt:					
Land	Swamp	□water	☐Seasonal	swamp	Shoreline/Wa	aterfront
i. Type of en	vironment to whi	ich oil has spread:				
Land	<b>√</b> Swamp	□Water	□River	(identify)		
ii. Weather co	ondition					
√Z Rain	□Sunny □	] <sub>Dry</sub> □Wet	□Windy	□Hot	□cool	
11. Distance from the n	-	•	•			
☐ Government red ☐ Drinking water ☐ Built up area ☐ Farmlands ☐ Fish Farm/Pond ☐ Fishing net ☐ Others (specify	source	·	a [ [ [	,m] ,m] ,m] ,m] ,m] ,m]	CTED BY	SPILL .
12. Containment measu	res put in place;		-			
<b>□</b> Booms	□Tre	ench 🔲 Dyke	✓ Natural de	epression	□Pit	□None
Others: 0801	ERVED N	TCH EXCA	IATED AR	lound sp	ILL POIN	IT.
13. Any pictures or vide	eo coverage?		[Y] <b>/</b>	[ N ]		
14. Further response/r	epair initiated as	at the time of JIV?	. [Y]	[N]		
RECOVERY OF F SPILL POINT WAS DO REPAIR WAS TEMPO 15. Was there any disru	REE-PHAS INE TO ENP IRARILY DON ING IT OFF	MITH Y	HIN DROES URE OF SP ING THE O 3" SCREW [Y]	RVED DIT PILL POINT PLUG. [NJ	CH EXCA AFTER V	VATED AROUND WHICH APEUNI III. THEFT

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n yes to item 13 give orien	A P F	110	ABL	E	
D. TYPE/NUMBERS OF 16. Structures / Proper S/N Type of Structures	ties	ANY, FOUND	WITHIN THE	AREA OF SPRI	•
NONE	WITHIN	AR	EA C	)F     N	1PACT
17. Crops/Economic TS/N Type of crops Y 1. PA1 M TREES	rees	Medium 5 N.O.	Matured 3 No.	Quantity 8 No.	Comments WITHIN 2Put-
18. Fishing Nets/Fish					RFG-ION.
S/N Nets/Ponds	Description	ĂRE	Quantity/Size	Comments	1C.T
19. Others (Specify) i. S/N Others	e. Animal Traps  Description	, , , , , , , , , , , , , , , , , , ,	Quantity/Size	Comments	
E. GRAPHIC DESCRIPTION THE leak report, overview sk	TION OF LEAK PO	ON (while do	eloil report of the	leak point shou	ld be contained in
SECTION 28" BOMU-1			X		7
PIPELINE A			3" ह	ELBOW	Bomy YNY
BODO-CITY SHOWING OI 10. 3" CRUDE	JE C	₹8″	3" s	Pool	\$0 \\ \&\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
THEFT POINT	AT /	_  -		IECE /	1 7 / 15
12 0' CLOCK POSITION.	VALVE HANDLE	Page 3vo[]		7	3" NIPPLE WITH BALL VALVE
		Vie			

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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)

	Was	84 .
S/N	Northing / 1 ASTANCE	Easting (LONGITUBE)
40	4+60442 W	7-25974
40	4.60440	7.25947
4#	4. 60461	7.25937
42	4.60481	7.25947
43	4.60481	7.25974
44	4.60497	7.25983
45	4.60502	7. 25988
46	4.60501	7.25991
47	4,60474	7-25980
48	4.60489	7-25994
49	4.60492	7.26001
50	4-60478	7.25998
<b>5</b> l	4.60431	7-25969
52	4.60410	7 · 25956
53	4.60463	7.25993
54	4.60460	7 • 25996
55	4.60389	7.25944
56	4.60387	7.25947
•:		
,		

G. IN	CIDENT INFORMATION:		
a.	Impacted Area Details		
	Total calculated area of impact 0,30 Ha		
	• Impact within R.O.W	_	
	Impact outside R.O.W	_	_
b.	Volume of oil recovered before completion of JIV (V <sub>rec.l</sub> ):	•	
	Recovered oil V <sub>recl</sub> : 3	Barrels	
	Barrels		
c.	Net Estimated Spilled VolumeV <sub>Est</sub> (bbls)* = 9.8		
<u>Estim</u>	ated Reported Volume** V <sub>rep</sub> (bbls)= 10 BARRELS		
*Notes:	Volume estimation was done using an excel based tool, (see attached for details on the calculation)  Reported spilled volume is an estimate  rite 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' 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 — I 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 road is not apply able please refer to paragraph to (Declarons) of the IIV procedure to use appropriate steps for volume estimation; record the calculation in a plain sheet of paper and attach to the IIV 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	ind JIT
ii.	Investigation of the incident site showed that there is residual impact on site requiring further works	Q/

#### 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

