INCIDENT NO: 1644228 JIV report S/N:

Nº 0000155

(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: 1644228 2. Type of incident* CTL SPILL 3. Name of Location 16" EGBRMA - ASCA (TRUCKLINE) PIPELINE 4. Name of nearest community EKPRAGAH 5. State: MO 6. LGA OHATI EGBENE 7. Type of Production facility/Installation OIL PIPELINE 8. Asset owner/District THE SHELL PETROLEUM DEVELOPMENT COMPANY OF NIGERIA LIMITE. B. INCIDENT INFORMATION: 9. Details of incident a. Date of incident: 31 AT MAY, 2616. b. Start date/time of investigation: 5TH JUNE, 2016 c. Investigation End date: 57H JUNE, 2014ctual investigation duration, days: 5NE BAY d. Description of spill point environment Loose soil Recently excavated area ☐Firm soil Under water Swampy Exposed pipe surface □Well Platform (on Water ☐ DrillRig Additional observations around the spill point: THE JOINT INVESTIGATING OBSERVED TWO (2) CLAMP POINTS NEAR THE INCIDENT POINT. 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 ☐ Third party tampering with flange, ☐ Bulging Outward ☐Flare System/Bund wall failure ☐Cold vent ☐ Surge vessel overflow, ☐ Valve Failure ☐ Relief valve failure Accidental 3rd party equipment impact Others(specify) f. Ingident 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,

INCI	DENT NO:_\	6447	228	JIV rep	ort S/N:	No	00001
g. Spill point coord				-			
h. Measuring unit	V	145	84				
Northing:				Easting:	-		
t	5.41586			6.78	110	*	
		_					
			_				
			_	_			
RISK ASSESSME	:NT						
10. Type of enviro	nment:						
Land	□Swamp	□wa	iter	☐Seasonal s	wamp 🗖	Shoreline/	Waterfront
i. Type	of environment to w						
/	or environment to w	men on na	s spreau:				
E Land	☐Swamp	D,	Water	□River (identify)		_
ii. Weath	ner condition			•	,		
□Rain	Sunny	□Dry	□Wet	□Windy	⊡ Hot	□cool □	
11. Distance from	the nearest sensitive	-		,		_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	nt reserved and design	gnated prot	ected area	ا ۱۹۱۷			
Drinking vBuilt up ar				HIL MIN			
☐ Farmlands				[(0	,,,,,, ,,m]		
☐ Fish Farm/				MIL	,m]		
☐ Fishing ne☐ Others (spe	t ecify). — NIL			[N1L	-,m]		
_	neasures put in place	;					
Booms	□т	rench [Dyke	□Natural dep	ression	Pit	□None
Others:							
13. Any pictures or	r video coverage?			[Y] / [N]		
14. Further respon	nse/repair initiated as	s at the tim	e of JIV?	[Y] / [N]		•
es to item 14, give brief	f description:						
		MESSY	MM	REPAI	r of	THE 1	THECTE
ection of	THE PIPE	LINE	- Mrs	COMP	LETED.		
15. Was there any	disruption to the inv	estigation?		[Y] [N IV		

		INCII	DENT	NO: <u>164</u>	4228	JIV re	port S/N:	Vº 0000155	i
	If ye	s to item 15 give b	rief desc	ription:				·	
			10	T Ai	PRLIC	ABL	E.		
	D. 1	TYPE/NUMBERS 6. Structures / Pro	S OF PR	ROPERTIES,IF	ANY, FOUNI	WITHIN THE	AREA OF SPR	EAD OF OIL	
	S/N	Type of Struct	_ `	Description	Size	Number	Com	ments	· ·
		TONE	Mi	THIN	AR	A	F M	PACT	
		7. Crops/Econom							
	S/N	Type of crops	Young	<u> </u>	Medium	Matured	Quantity	Comments]
	N	ONE	MI	HIN	ARE	A OF	MF	ACT.	
ı	$\overline{}$	8. Fishing Nets/F	ish Pond	ls			· .		
	S/N	Nets/Ponds	_ i	<u>Description</u>	_:_	Quantity/Size	Comments		
	R	ONE	N	MHT	AR	CA C	= IM	PACT	
	~	9. Others (Specify			-		· · · · · · · · · · · · · · · · · · ·	J	
	S/N	Others		Description		Quantity/Size	Comments		
		DNE	W	11111	↓	REA	1 70	APACT.	
<u>Ec</u> tro	ine ie	ak report, overviev	IPTION sketch	ot the site should	he added as a	n anneudix 1)		d be contained in	
CC IIIC	, 1 N. F.			<u>(0 ' </u>	DEUIF -	ASA (I	RUCK LINE	PIPELI	NE AT
		LAERC	ir H	>11012	ing tr	HILD IL	LEGAL W	EID ON HO	ITAP
				·	VAIVE -	. 1	CAK BUE	TO FAILE	ih.
						XISING		Alve ILLEGI	
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	161	<u>'</u>				在			64
				EGBENIA	- 1 25	PIPELIN	e.		

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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)

	Nus	84
S/N	Northing	Easting
	5 41866	6.77993
	5.41841	
	541806	6.78003 6.78015
	5.41766	6.78031 6.78054
-	5.41709	6.78054
	5.41658	1 67807h
	5.417.09 5.41658 5.41618	678093 678102
	5.41596	6.78102
	541595	6.78112
	5.41583 5.41579	678112 678119 678107
	5.41579	6.78107
	5.41.589	678103
	5.41618 5.41658	6.78089
	5.41658	6.78073
	5.41708 5.41765	6.78051
	5.41765	6.78027
	1 . 5.41805	6.78011
	1 5.41841	6.77998
	5.41864	6.77990
	5.41583	678114
	5.41586	6.78113
	5.41588	.6.78116

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G. INCIDENT INFORMATION:	1
a. Impacted Area Details	
Total calculated area of impact 0.15HA Impact within R.O.W 1ES Impact outside R.O.W ND	-
b. Volume of oil recovered before completion of JIV (V _{recJ}): Recovered oil V _{recJ} : 7	Barrels
Controlled recovery/evacuation from source with no impact to environment:	
NIL Barrels	•
c. Net Estimated Spilled VolumeV _{Est} (bbls)* =	~
9.95 BARRELS	
Estimated Reported Volume** V _{rep} (bbls)=	
*Notes: Volume estimation was done using an excel based tool.(see 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 estima. Conversion of m ³ to burrels is Volume (m3) x 6.29; **Runnd up estimated volume to next whole number using the following and any spill volume in excess of -1 bbl is rounded up to the next whole number.	tion software on site: g rules:
• Any spill volume in less than 1 bbl - is rounded up to the next 0.1 bbl.	1
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 roof is not applicable please refer to paragraph 6c (Deviations) of the AV procedure to use volume estimation; record the colorlation of a plain sheet of paper and attach to the AV report.) appropriate steps for

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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 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
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□

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f. Appendix 1: Overview sketch of the site

