INCIDENT NO: 2959852 JIV report S/N:0000868

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

A. GENERAL INFORMATION:
1. Fountain Incident Number: 2959852 2. Type of incident* OIL SPILL/FIRE
3. Name of Location 16" EGBEMA - ASSA PIPELINE
4. Name of nearest community OBIAKPU 5. State: MO 6. LGA OHATI-EGBEMA
PIPELINE
7. Production Facility mistaliation The Production Facility Construction Facility Constr
8. Asset Owner/Hub HE SHELL PETRILEUM DEVELOPMENT COMPANY OF NIGERIA LIMITED (SPOC) PIPELINE B. INCIDENT INFORMATION:
B. INCIDENT INFORMATION:
9. Details of incident a. Date Reported: 30th MAY, 2021 b. Start date/time of Investigation: FJUNE 2021 1250th S
c. Investigation End date: 202 Day(s) on site: (2) Two DAYS
d. Description of spill point environment
□Firm soil □Loose soil □Recently excavated area
어느 이프 아름은 이 경우를 하는데 되었다. 그는 그를 하는데 그를 그를 하는데 그를 그를 하는데 그를 그를 하는데 그를 하는데 그를 하는데 그를 하는데 그를 하는데 그를 그를 그
☐Under water ☐Swampy ► ☐Exposed pipe surface ☐Well Platform (on water) ☐Drill Rig ☐Sand bag(s)
□Well Platform (on water) □Drill Rig □Sand bag(s)
Additional observations around the spill point: THE SPILL WAS ACCOMPANIED BY FIRE
e. Description of leak point (tick as applicable);
Smooth round-edge hole Rough-edge hole Hack saw cut
Complete Rupture
Failed Weld-on illegal hot tap valve
☐ 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,
☐ 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
☐ Tear ()
Others (specify)
f. Incident caused by:
☐ Third party interference (Sabotage ☐; crude theft ☐; Line theft ☐; Accidental 3 rd party damage ☐)
Operational Others (including Mystery spills)

*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)

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	Northing:			Easting:	
		5.521	65	6.7595	13
		/			
		/			
RISI	K ASSESSMEI	NT			
10.	Details of Env	ironment			
	Type of en	vironment where	spill occurred (se	elect one):	
	Land	Swamp	□Water	Seasonal swamp	Shoreline/Waterfrom
i.	Type of en	vironment to which	ch oil has spread:		
	Land	Swamp	□Waterbody	(specify)	
ii.	Weather c	ondition	*		
	☑Dry	□Wet	□Windy	☑Hot	
11.	Distance to Se	nsitive habitat with	hin 100m radius		
	Drinking v Surf Built up A	ace water Bourea dential Area DCo /Pond	ignated protected a prehole pmmercial/Industrial	[15 ,m [20 ,m	
12.	Containment me	easures put in place:			
	□Booms □	Trench Dyke	☐ Pit ☑ Natu	aral depression Non	e
	Others:	NATURAL E	LEVATION		
3.	Any pictures or	video coverage?		[V] [N]	
4.	Further respons	se/repair initiated as	at the time of JIV	? [V] [N]	

INCIDE	NT NO: 2	759852	JIV re	port S/N:	0000868
15. Was there any dis	sruption to the in	vestigation?	[Y]	[]	
If yes to item 15 give brief d	lescription:	- ICAE	3LE		
16. Was JIV delayed	? [Y] [M			
Reason(s): Delayed Commun Others (specify)		oval Securi	,	Access cons	traint due to terrain
D. TYPE/NUMBERS 17. Structures / Prope		ies, if any, fo	OUND WITHIN	THE AREA OF	SPREAD OF OIL
S/N Type of Structure	es Description	on Size	Number	Com	ments
NONE SET	TIMA	HIN 7	REA	OF IM	ACT
18. Crops/Economic T		Madinus	Maturad	Quantity	Comments
S/N Type of crops Y I CASSAVA	oung	Medium	Matured	Quantity FEM	IMPACTED.
19. Fish/Nets/Ponds					
S/N Fish/Nets/Ponds	Description LOCAL P	looben NETS	Quantity/Size	Comments	30
20. Others (Specify) e. S/N Others	g. Animal Traps Description		Quantity/Size	Comments	
NONE SE	FN K	HAHA;	ARFA	DF IM	PACT
E. GRAPHIC DESCRIPT in the leak report, overview ASSA PIPELINE INSTALLED AT	Sketch of the site	should be added	as appendix 1) 🗚 WING A 🕹	SECTION 2"BALL)	should be contained OF 16" EGBEMA- (ALVE PERSONS).
			, 2 VALVE 12 O'CLOCK	INSTALLE & POSITION	D AT SPILL POINT
16, 16		1 F	7		16 EGBBNA-ASSA PIPELINE AT
	EGBE	MA TO AS	SSA		OBIAKPU Version 2020/01

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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
X		
		3 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 /
		(
		ET T
10		
	(/)	
	(/)	
	0	
/	1	
/		
/		

16" Egbema-Assa Pipeline at Obiakpu Spill impact JIV Coordinates

FID : 2959852					
Date: Ju	ine 2, 2021				
PT_ID	LAT	LONG			
1	5.52336	6.75936			
2	5.52301	6.75911			
3	5.52297	6.75916			
4	5.52291	6.7591			
5	5.52292	6.75905			
6	5.52203	6.75868			
7	5.5219	6.75895			
8	5.52219	6.75926			
9	5.52247	6.75938			
10	5.5225	6.75945			
11	5.52218	6.75945			
12	5.52106	6.75973			
13	5.5207	6.75922			
14	5.52072	6.75913			
15		6.75912			
16	5.52091	6.75888			
17	5.52072	6.75876			
18	5,51994	° 6.7577			
19	5.51992	6.75735			
20	5.52082	6.75671			
21	5.5215	6.75726			
22	5.52289	6.75683			
23	5.52318	6.75668			
24	5.52334	6.75706			
25		6.75738			
26		6.7576			
27		6.75796			
28		6.75818			
29					
SP	5.52165				

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	To	tal calculat	ed area of im	pact (Ha)	8.0	3HA			
			SPDC R.O.V		YE	S	grand and		
4.44			e SPDC R.O.		TE	S	121	M. F.	
off to 2 d	decim	al places if a		² or to 4 decimal p	laces if are	ea is < 100) m² (e.g. 14.5.	5, 0.0051	, 0.0009)
Volume	e of o	il recover	red before c	ompletion of J		n):	100	7 40	Barrels
11	1		mation C.			NIL	nmant.		Zuriois
ntrollec	d rec	overy/evac	NIL.	source with no		to enviro	onment;		
			1,		500				
Net Es	stima	ited Spille	ed Volume	$V_{Est}(bbls)* = I$	03.69	8BAR	RELS	1000	
Net Es	stima	ited Spille	ed Volume	$V_{\text{Est}}(\text{bbls})^* = I$	03.69	8BAR	RELS		
Net Es	stima	ated Spille	ed Volume	$V_{Est}(bbls)* = \int dt$	03.69	8BAR	RELS		
							RELS		
				= 1048AR			RELS		
							RELS		
ated Re	eport	ed Volume	** V _{rep} (bbls)	=104BAR	RELS				
ated Re	eport	ed Volume	** Vrep(bbls) very using an excel by		RELS				
volume	eport	ed Volume	** Vrep(bbls) tusing an excel len estimate	=104BAR	RELS	ils on the ca			
volume	eport	ed Volume	** Vrep(bbls) tusing an excel len estimate	= 1046AR	RELS	ils on the ca			
Volume Reported Trite other	eport	ed Volume ation was done ed volume is a nt notes taken	** Vrep(bbls) e using an excel le in estimate into considerati	= 1046AR vased tool.(see attack on for volume estima	RELS thed for detail	ils on the ca	lculation)		
Volume Reported Trite other	eport	ed Volume ation was done ed volume is a nt notes taken	** Vrep(bbls) e using an excel le in estimate into considerati	= 1046AR vased tool.(see attack on for volume estima	RELS thed for detail	ils on the ca	lculation)	Fu	Q.F.
Volume Reported	eport	ed Volume ation was done ed volume is a nt notes taken	** Vrep(bbls) e using an excel le in estimate into considerati	= 1046AR	RELS thed for detail	ils on the ca	lculation)	FI	R.E.
Volume Reported Trite other	eport	ed Volume ation was done ed volume is a nt notes taken	** Vrep(bbls) e using an excel le in estimate into considerati	= 1046AR vased tool.(see attack on for volume estima	RELS thed for detail	ils on the ca	lculation)	C FI	RE.
Volume Reported Trite other	eport	ed Volume ation was done ed volume is a nt notes taken	** Vrep(bbls) e using an excel le in estimate into considerati	= 1046AR vased tool.(see attack on for volume estima	RELS thed for detail	ils on the ca	lculation)	FI	RÆ.
Volume Reported Trite other	eport	ed Volume ation was done ed volume is a nt notes taken	** Vrep(bbls) e using an excel le in estimate into considerati	= 1046AR vased tool.(see attack on for volume estima	RELS thed for detail	ils on the ca	lculation)	FI	RE.
Volume Reported rite other	eport	ed Volume ation was done ed volume is a nt notes taken	** Vrep(bbls) e using an excel le in estimate into considerati	= 1046AR vased tool.(see attack on for volume estima	RELS thed for detail	ils on the ca	lculation)	FI	R€.
Volume Reported Trite other	eport	ed Volume ation was done ed volume is a nt notes taken	** Vrep(bbls) e using an excel le in estimate into considerati	= 1046AR vased tool.(see attack on for volume estima	RELS thed for detail	ils on the ca	lculation)	FI	R€.
Volume Reported Frite other	eport	ed Volume ation was done ed volume is a nt notes taken	** Vrep(bbls) e using an excel le n estimate into considerati	= 1046AR vased tool.(see attack on for volume estima	RELS thed for detail ation or caus	ils on the case of spill:	diculation)		

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.

 $\begin{array}{lll} \textit{Calculated volume} = 0.35 \; bbl & ----- \; \textit{Reported volume} = 0.4 \; bbl \\ \textit{Calculated volume} = 0.01 \; bbl & ----- \; \textit{Reported volume} = 0.1 \; bbl. \end{array}$

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d.	General	Status	of	the	site
CHO	Chenten eer	C) ceee c car	~ *		

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]:
• 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

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f. Appendix 1: Overview sketch of the site

