INCIDENT NO: 2812731 JIV report S/N:

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

A. GENERAL INFORMATION:		10
1. Fountain Incident Number: 28127	2. Type of incid	dent* OIL SPILL
3 Name of Location 14" OKORDIA	- KUMUEK	PE PIPELINE
4. Name of nearest community EDE-0HA	5. State: RIVERS	6. LGA MOADA-EAST
7. Production Facility/Installation DIL Pip	EI INE	
7. Production Facility/Installation	54.16	De 12 1 april 1 /mpas
8. Asset Owner/Hub THE SHELL F B. INCIDENT INFORMATION:	EL KOLEUM	DEBETON WEST CONTINUE
B. INCIDENT INFORMATION:	IMILEO CAPO	STRIFEMINE
9. Details of incident		
ONITINE PARK	sk 2020	1.0 - 240 e
h Start date/time of Investigation: 22ND	december, 20	20/1360002
c. Investigation End date: 22ND DECEMBE	足, 2020 Day(s) or	site: ONE (I) DAY
d. Description of spill point environment		
☐Firm soil ☐Loose s	oil 1	Recently excavated area
☐Under water ☐Swamp	y i	Exposed pipe surface
□Well Platform (on water) □Drill R	**	Sand bag(s)
AROUND THE SPILL POINT		A CONTRACT CONTRACT
e. Description of leak point (tick as applicable);		
☐Smooth round-edge hole	☐Rough-edge hole	Hack saw cut
Complete Rupture	Inward dent,	☐ Well head tampering
Gailed Weld-on illegal hot tap valve	☐ Failed Clamp,	☐ Missing Pipeline/Flowline
Crude oil theft (illegal bunkering) point,	☐ Saver-pit over flow ☐ Bulging Outward	☐ Third party tampering with Clamp ☐ Third party tampering with flange,
☐ Third party tampering with valve setting	Cold vent	☐ Surge vessel overflow,
☐ Flare System/Bund wall failure ☐ Valve Failure	Relief valve failure	Accidental 3rd party equipment impact
Tear (
Others (specify)		
	,	
f. Incident caused by: ☐ Third party interference (Sabotage ☐; crude	theft : Line theft : Acci	dental 3 rd 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)

0619

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h. Me	easuring unit		WGS 8	Facting:	10 (d)
	Northing:	LATIT	UDE	L(NGTIZUXE
		E 0000	7	6.6	2358
		2.077	<u> </u>	-	7,500
			Commence of the commence of th		
	And the second second				
	ASSESSMEN				
10. l	Details of Envi	ronment			
i.	Type of env	vironment where	spill occurred (sel	ect one):	
•	Type of env				- " " " "
	Land	Swamp	□Water	☐ Seasonal swamp	☐Shoreline/Waterfront
			L all has seemed:		
ii.	Type of env	vironment to which	en ou nas spreau.		
	Land	Swamp	☐Waterbody (specify)	
iii.	Weather co	ndition			
	Dry	□Wet	□Windy	□Hot	
11. D	Distance to Sen	sitive habitat with	nin 100m radius		
	□ Governmen	t reserved and desi	gnated protected an	ea [,m]	7
	Drinking wa	ater source		[,m]	NOVIE ? P
	☐Surfac ☐ Built up Are		rehole	[,m]	NONE SE
		ential Area Co	mmercial/Industrial	T ^ ^ ^ ^ ^ ^ 이렇는 이렇는 얼룩이 된었다. 그 ^ ^ ^ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	LMININ
	□ Farmlands			[,m]	1 244 5
	☐ Fish Farm/P	ond i		[,m]	1 AICINITY
	☐ Fishing net			[,m] [,m]	
	□ Others (spec	;ify)		['''']	J
12. Co	ontainment meas	sures put in place:			
		rench Dyke	□ nia □ Notur	al depression None	
	∐Booms ∐T	rench Dyke	□ Pit □ Natur	ar depression — Mone	
	Others:				
				[N]	
13. Aı	ny pictures or vie	deo coverage?			
		repair initiated as	at the time of JIV?	[N]	
14. F	urtner response/	repair initiated as	at the thine of the	. ▼	

INCIDENT NO: 2812731 JIV report S/N: 0619 [Y] N 15. Was there any disruption to the investigation? If yes to item 15 give brief description: NOT APPLICABLE 16. Was JIV delayed? Reason(s): Delayed Community Access Approval Security Challenges Access constraint due to terrain MOT APPLICABLE Others (specify) D. TYPE/NUMBERS OF PROPERTIES, IF ANY, FOUND WITHIN THE AREA OF SPREAD OF OIL 17. Structures / Properties S/N Type of Structures Description Size Number Comments 18. Crops/Economic Trees Type of crops Medium Young Matured Quantity Comments Fish/Nets/Ponds S/N Fish/Nets/Ponds Description Quantity/Size Comments 20. Others (Specify) e.g. Animal Traps Others Description Quantity/Size Comments E. GRAPHIC DESCRIPTION OF LEAK POINT (while detailed description of the leak point should be contained SECTION OF 14" OKORDI in the leak report, overview sketch of the site should be added as appendix 1,1 PIPELINE AT EDECHA SHOWING ESITION CONNECTED 2" GALVANIZED FIFE 24 WILLE MITALLED AT 12 O'LICK POLITION FROM OKORDA - RUMUBERF PUBLING Vers Distribution of copies: White (Asset Owner); Pink (DPR); Green (NOSDRA); Yellow (State Ministry of Environment);

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Blue (Host Community)

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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)

Na Carron de
7
-

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G.	IN	CID	ENT	INFORM	ATION.
•	41.4			I A C A D C A D	AIIII

a.	Im	pacted	Area	Deta	ils	*
		pacted	Alta	Dita	113	

•	Total calculated area of impact (Ha)	0.01Ha	
•	Impact within SPDC R.O.W	YES	
•	Impact outside SPDC R.O.W	485	

* Round off to 2 decimal places if area is $\geq 100 \text{ m}^2$ or to 4 decimal places if area is $\leq 100 \text{ m}^2$ (e.g. 14.55, 0.0051, 0.0009)

* Express in Hectares (Ha)

D. Vo	olume of	oil	recovered	before	comp	letion	of JIV	(V_1)	rec.J)
-------	----------	-----	-----------	--------	------	--------	--------	---------	--------

Recovered oil V_{recJ}: NIL Barrels

Controlled recovery/evacuation from source with no impact to environment:

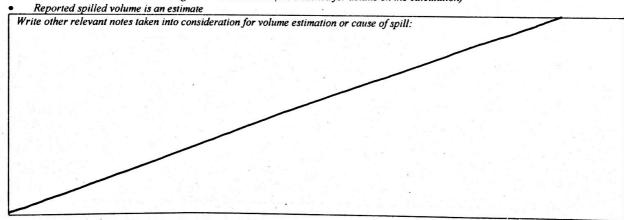
NIL Barrels

c. Net Estimated Spilled Volume V_{Est}(bbls)* = 0.58 B ARREL

Estimated Reported Volume** V_{rep}(bbls)= 1 BARREL

*Notes:

Volume estimation was done using an excel based tool. (see attached for details on the calculation)



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 m³ 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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d.	Genera	Status	of the	site
u.	Utiltia	i Diaius	UI LIIC	3110

i.	Joint investigation of the incident site found that there is no residual impact after the initial response a	nd JIT
	therefore recommend that the site be closed out	1
ii.	Investigation of the incident site showed that there is residual impact on site requiring further works	N

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

