INCIDENT NO: 1907894 JIV report S/N: 1038

(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: 907	2.Type of incident*_	SUSPECTED Condensate Seepage
3. Name of Location SOKU GAS	PLANT CONDENS	TE SPIKING PUMP AREA
4. Name of nearest community ELEM-SA		
7. Type of Production facility/Installation 6		
8. Asset owner/District THE SHELL OF NIGER	L PETROLEUM DE	VELOPMENT COMPAN'
B. INCIDENT INFORMATION:	or they was a	IL EUS! HAR
9. Details of incident a. Date of incident: 5TH Au	GUST 2017	
b. Start date/time of investigation: 27	TH MARCH 2015	R / ISING HOURS
c. Investigation End date: 27TH MA	RCH. Actual investigation duratic	on, days: ONE (1) NAY
d. Description of spill point environment	2018	• •
No SPILL POINT WAS O	BSERVED AS AT TIMI Loose soil	E OF INVESTIGATION Recently excavated area
☐Under water ☐	JSwampy ·	Exposed pipe surface
□Well Platform (on Water) □	Drill Rig	
Additional observations around the spi NEITHER OBSERVED A IMPACT WITHIN THE SUSPECTED CONDENSATI OWNER WITHIN THE ST SPIKING PUMPS, THE CO SUSPECTED CONDENSATE ST	Ill point: THE JOINT THY NY SPILL POINT NOR SOKU GAS PLANT TH E SHEEN HAD BEEN TORM WATER DRAIN TORM WATER DRAIN TORDINATES OF THE OF ERPAGE WAS HOTICED ARE	ESTIGATION TEAM NOTICED ANY SPILL OUGH ON INCIDENT DATE LOTICED BY THE ASSET BEHIND THE CONDENSATE IGMAL POSITION WHERE THE 1.65733N AND 6.61357E.
e. Description of leak point (tick as applic		
☐ 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) p ☐ Third party tampering with valve s	<u> </u>	☐ Third party tampering with Clamp
☐ Flare System/Bund wall failure	etting Bulging Outward Cold vent	☐ Third party tampering with flange,☐ Surge vessel overflow.
☐ Valve Failure	Relief valve failure	☐ Surge vessel overflow, ☐ Accidental 3 rd party equipment impact
☐ Corrosion	Others(specify) No	
f. Incident caused by:		
Third party interference (Sabotage E]; crude theft□; Line theft□; Accide:	ntal 3 rd party damage□}
□Operational □ Mystery s	spills	PECTED CONDENSATE
*This can be: a) Oil Spill b) Drilling fluid/Chemica	OFFINGE WILL	HE SLIKING SAMD BEEN

INCIDENT NO: 1907894 JIV report S/N: 1038 g. Spill point coordinates h. Measuring unit Northing: Easting: C. RISK ASSESSMENT 10. Type of environment: Land ☐ Swamp □Water ☐ Seasonal swamp ☐ Shoreline/Waterfront Type of environment to which oil has spread: **Z**Land Swamp □ Water River (identify). ii. Weather condition Rain Sunny Dry □ Wet Windy Cool 11. Distance from the nearest sensitive habitat ☐ Government reserved and designated protected area ,m]Drinking water source NONE OBSERVED [m, □ Built up area ,m] □ Farmlands ,m]☐ Fish Farm/pond ,m] ☐ Fishing net ,m] Others (specify). 12. Containment measures put in place: Booms Trench Dyke Natural depression Pit None DOWNERS: ABSORBENT MATERIALS HAD BEEN PLACED WITHIN THE STORM WATER DRAIN BY THE ASSET OWNER ON INCIDENT DATE 13. Any pictures or video coverage? [Y] [N]14. Further response/repair initiated as at the time of JIV? [Y] [N] if yes to item 14. give brief description: 15. Was there any disruption to the investigation? [N]/ [Y]

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If yes to item 15 give brief	description:	PLIC	ABL	E	
D. TYPE/NUMBERS OF 16. Structures / Propert	-	ANY, FOUND	WITHIN THE	AREA OF SPI	READ OF OIL
S/N Type of Structure	s Description	Size	Numbe	er e	Comments
HINT	$+$ \wedge \triangleright	D1 4	1 A D 1		
- 1 N U I		 Y L (l A B l		
			, , , , , , , , , , , , , , , , , , , 	<u> 1</u>	
17. Crops/Economic Tr	ees .				
S/N Type of crops	Young	Medium	Matured	Quantity	Comments
		<u>.</u>			
	ΛDr				
<u> </u>	π r t		HDL		
	, , , ,		1'	<u> </u>	
18. Fishing Nets/Fish F	onds				
S/N Nets/Ponds	Descrip	tion	Quantity/Size	Co	mnients
N _a T	1 A DDI	$\rightarrow \cap \Lambda$	DI		_
INCI	14771	_ \		· 	<u> </u>
		- / - /	, – – –		
19. Others (Specify) i.e	. Animal Traps				
S/N Others	Descrip	tion	Quantity/Size	Co	mnients
	Y				
Na	ADD	110			
NU	+ HYY		4	1	
	1111	- , 4	1 7 -		111
E. GRAPHIC DESCRIP	TION OF LEAK PO	DINT (While o	detail report of the	e leak-point sh	ouia be contained in

the leak report, overview sketch of the site should be added as an appendix I)

NOT APPLICABLE (NO LEAK POINT WAS OBSERVED AT SITE AS AT TIME OF INVESTIGATION).

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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)

S/N	Northing	Easting
		7
		
.		
	7	
-		
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	/	
$-\!$		
	 	

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Total calculated area of impact	NIL	AT TIME OF	E LUYESTIG	ATION /
Impact within R.O.W	NIL		_	,
Impact outside R.O.W	Nu_			
b. Volume of oil recovered before complet	ion of JIV (V	recJ):		
Recove	ered oil V _{recJ:}	NIL	Barrels	
Controlled recovery/evacuation from source	with no impa	ct to environment:		
NIL	Barrels			

c. Net Estimated Spilled VolumeV _{Est} (bbls)* =	0.002 LITRE	
Estimated Reported Volume** V _{red} (bbls)=	LITRE	

*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:

THE TIME OF JOINT INVESTIGATION VISIT, NO SPILL IMPACT WAS OBSERVED AT SITE, THE SUSPECTED CONDENSATE SHEEN OF THE NOTICED ON INCIDENT DATE WAS COMPUTED REFERENCING SHEEN COLORATION IN 'SPILL FACTORS FROM USCG FOG' AND CERTAIN PARAMETERS PROVIDED BY THE OWNER AS SHOWN IN THE ATTACHED "APPENDIX

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 | I 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.

Calculated volume = 15.3 bbl ----- Reported volume = 16 bbl Examples: 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 6e (Deviations) of the JIV procedure to use appropriate steps for , volume estimation: record the calculation in a plain sheet of paper and attach to the JIV report.

APPENDIX A

ESTIMATION OF VOLUME OF SUSPECTED CONDENSATE
SHEEN NOTICED BY THE ASSET DWNER ON INCIDENT
DATE WITHIN STORM WATER DRAIN AT THE CONDENSATE
SPIKING PUMP AREA, SOKU GAS PLANT (INCIDENT NO. 1907894).

THE DIMENSIONS OF THE STORM WATER DRAIN SECTION WHERE THE SUSPECTED CONDENSATE SHEEN HAD BEEN NOTICED ON INCIDENT DATE BY THE ASSET OWNER ARE GIVEN AS:

LENGTH = 33.5 METRES

WIDTH = 0.3 METRE.

IN REFERENCE TO "SPILL FACTORS FROM USCG FOG,"
THE SHEEN COLORATION OBSERVED ON INCIDENT DATE
WAS "SLIGHT COLOUR", THEREFORE, THE VOLUME OF SHEEN
NOTICED WITHIN THE STORM WATER DRAIN IS COMPUTED AS:
33.5m X 0.3m X 0.00015mm (APPLICABLE THICKNESS IN MM
FOR 'SLIGHT COLOUR' IN ACCORDANCE WITH "SPILL FACTORS
FROM USCG FOG") X 100% (BEING THE PERCENTAGE
COVERAGE OF THE SUSPECTED CONDENSATE SHEEN AS
0BSERVED OVER THE STORM WATER DRAIN SURFACE AREA
BY THE ASSET OWNER ON INCIDENT DATE) ~ 0.000002 m³
~ 0.00001 BARREL ~ 0.002 LITRE.

THE ESTIMATED VOLUME OF 0.002 LITTE IS HEREBY ROUNDED OFF TO | LITTE

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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 Resuurces [DPR]: □	
National Oil Spill Detection and Response Agency [NOSDRA]:	
State Ministry of Environment [SME]:	
Asset Owner:	
Signatories agree with reported findings:	

Tick as applicable

Separate DPR form has been filled out with same findings \square

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f. Appendix 1: Overview sketch of the site

