JiV report S/N:

INCIDENT NO: 1492780

Nº doodogy

(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: 492780 2. Type of incident\* © [L \$PIL 3. Name of Location 20" KOLOCREEK - RUMLEKPE TRANS NIGER PIPELINE. 4. Name of nearest community ODAY 5. State: KNES 6. LGA ABYA ODUAL 7. Type of Production facility/Installation COL PIPELINE 8. Asser owner/District THE SHETI PETROLEUM DEVELOPMENT COMPANY OF NIG LTD **B. INCIDENT INFORMATION:** 9. Details of incident a. Date of incident: 26th September, 2015 b. Start date/time of investigation: 1<sup>ST</sup> OCTOBER 2015 c. Investigation End date: 15T OCTOBEL 2NDActual investigation duration, days: ONE DA d. Description of spill point environment MRecentive excavated area ☐Firm soil Legese soil Under water Swampy DExposed pipe surface Well Platform (on Water ☐ DrillRig Additional observations around the spill point: THE JEINT INVESTIGATION TEAM (JIT) OBSERVED NO VISIBLE IMPACT AROUND THE SUSPECTED INCIDENT POINT. ON EXCAUNTION A PIPE AND HOSE WAS FOUND ATTACHED TO THE LINE BY UNKNOWN PERSONS). THE ATTACHED PIPE EXTENDED BEYOND SPDC RIGHT OF WAY TO THE BUSH. THE JIT OBSERVED SOME OIL IMPACT AROUND THE POINT THAT THE LUNKNOWN PERSON (C) CONNECTED FLEXIBLE HOSE TO THE 2 THEORY ATTACHMENT. e. Description of leak point (tick as applicable); Drilled høle Tear ( Hack saw cut Complete Rupture ☐ Well head tampering ☐ Inward dent, 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 ☐ Bulging Outward ☐ Third party tampering with flange. ☐Flare System/Bund wall failure □Cold vent ☐ Surge vessel overflow, ☐ Valve Failure ☐ Relief valve failure Accidental 3<sup>rd</sup> party equipment impact Others(specify) f. Incident caused by: Third party interference (Sabotage□; crude theft□; Line theft□; Accidental 3rd party damage□) ☐ Operational Others (including Mystery spills)

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

INCIDE	ENT NO:!	44218	<u>//</u> JIV r	eport S/N	No.	000006
g. Spill point coordina h. Measuring unit	tes 1/1/6	5 84	4.			
Northing:		<u> </u>	Easting:			
4.928	31°		6.4	373°		
C. RISK ASSESSMEN 10. Type of environn						
Land	□Swamp	□Water	⊠ Season:	al swamp [	Shoreline/V	Vaterfront
i. Type of	environment to w	nich oil has sprea	ad:			
Cand	Swamp	□Water	□Riv	er (identify)	<u> </u>	-
ii. Weather	condition					
□Rain	Sunny	Dry D	Wet <b>W</b> indy	√ Met	□cool	
11. Distance from the	e nearest sensitive	habitat		_		
☐ Government☐ Drinking wa☐ Built up area☐ Farmlands☐ Fish Farm/P☐ Fishing net☐ Others (spec	ond	gnated protected	l area [ [ [ [ [	ml (	PHE WITH VICINITY	N <del>33</del> 2 N [7.
12. Containment me	asures put in place	;				
Beoms	□т	rench Dy	ke Natural	depression	□Pit	None
Others:						
13. Any pictures or v	video coverage?		[Y] <b>/</b>	[N]		
14. Further respons	e/repair initiated a	s at the time of J	IV?. [¥]✓	[N]		
If yes to item 14, give brief o		MPORN	RY REP	MR B	1 SCR	SW)
CAPPING L	JAS DOI	1E	<del></del>	·		<del></del>
15. Was there any di	sruption to the inv	estigation?	[Y]	[ ]		

17. Crops/Economic Trees  IN Type of crops Voung Medium Matured Quantity Comments  II. Fishing Nets/Fish Ponds  III. Fishing Nets/Fish Ponds  III. Poders (Specify) i.e. Animal Traps  III. Others (Speci	INCIDEN	T NO: <u>[4</u> -	727 <u>80</u>	JIV re	port S/N	Nº 00	00067
16. Structures / Properties  17. Crops/Economic Trees  17. Crops/Economic Trees  18. Fishing Nets/Fish Ponds  18. Fishing Nets/Fish Ponds  19. Others (Specify) i.e. Animal Traps  10. Others (Specify) i.e. Animal Traps  11. Clack Position  12. Others (Specify) i.e. Animal Traps  13. To 2 " El Bow Reduced in the leak point should be contained in the leak point should be c	If yes to item 15 give brief des	cription:					
16. Structures / Properties  17. Crops/Economic Trees  17. Crops/Economic Trees  18. Fishing Nets/Fish Ponds  18. Fishing Nets/Fish Ponds  19. Others (Specify) i.e. Animal Traps  10. Others (Specify) i.e. Animal Traps  11. Others (Specify) i.e. Animal Traps  12. Others (Specify) i.e. Animal Traps  13. Others (Specify) i.e. Animal Traps  14. Others (Specify) i.e. Animal Traps  15. Others (Specify) i.e. Animal Traps  16. Others (Specify) i.e. Animal Traps  17. Others (Specify) i.e. Animal Traps  18. Fishing Nets/Fish Ponds  19. Others (Specify) i.e. Animal Traps  19. Others (Specify) i.e. Animal Traps	No	DT 1	A-PPT	ICAR	IF		<del></del>
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17. Crops/Economic Trees  IN Type of crops Young Medium Matured Quantity Comments  18. Fishing Nets/Fish Ponds  IN Nets/Fouds Description Quantity/Size Comments  19. Others (Specify) i.e. Animal Traps  IN Others Description Quantity/Size Comments  C. GRAPHIC DESCRIPTION OF LEAK POINT (while detail report of the leak point should be contained in the leak report, overview sketch of the site should be added as an appendix 1)  IN OF 20" KALO (CREK K. RUMBERKE 3" TO 2" ELBOW REDUCES.  INGER PIPELINE AT DEAU  3" BAH VALVE  BUIN KERING FITTINGS  INSTAILED AT IZO  CLOCK POSITIEM.  2" PIPE AND HOSE  CONNECTION.			ANY, FOUNI	D WITHIN THE	AREA OF SI	READ OF C	IL
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19. Others (Specify) i.e. Animal Traps  IN Others  Description  Quantity/Size Comments  C. GRAPHIC DESCRIPTION OF LEAK POINT (while detail report of the leak point should be contained in the leak report, overview sketch of the site should be added as an appendix 1)  AL OF 20" KDLOCREEK - RUMERENKE  AND OF 20" KDLOCREEK - RUMERENKE  AND POINT (A) TO 2" ELBOW REDUCER.  BUNKERING FITTINGS  INSTAILED AT 12  CLOCK POSITION.  12" PITE AND HOSE  CONNECTION.	18. Fishing Nets/Fish Por	ıds					
Description  Quantity/Size  Comments  C. GRAPHIC DESCRIPTION OF LEAK POINT (while detail report of the leak point should be contained in the leak report, overview sketch of the site should be added as an appendix 1)  N. OF 20" KOLO CREK - RUMBERIKE  NOF 20" KOLO CREK - RUMBERIKE  NOF 20" KOLO CREK - RUMBERIKE  NOF 2" EI BOW REDUCER.  LEAF  OCI-  ILLEGAL ATTACHMENT OF  BUNKERING FITTINGS  INSTAILED AT 120  CLOCK POSITION.  CONNECTION.	S/N Nets/Ponds	Description		Quantity/Size	Comments		
Description  Quantity/Size  Comments  C. GRAPHIC DESCRIPTION OF LEAK POINT (while detail report of the leak point should be contained in the leak report, overview sketch of the site should be added as an appendix 1)  N. OF 20" KOLO CREK - RUMBEPIKE  NOF 21" KOLO CREK - RUMBEPIKE  NOF 21" KOLO CREK - RUMBEPIKE  NOF 21" EI BOW REDUCER.  LEAF  OCIONAL ATTACHMENT OF  BUNKERING FITTINGS  LINSTAILED AT 120  CLOCK POSITION  LOCK	MARCI	- 1 L- PK	I X Q	~ A ~	7 18	NDE C	<del></del>
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GRAPHIC DESCRIPTION OF LEAK POINT (while detail report of the leak point should be contained in the leak report, overview sketch of the site should be added as an appendix 1)  AL OF 20" KOLOCREEK - RUMBERKE /3" TO 2" ELBOW REDUCER,  MIGEX PIPELIME AT DDAY  3" BAH VATUE  BUINKERING FITTINGS  LINSTAIRED AT 1200  CLOCK POSITION.  CONNECTION  20"  TOP  20"  TOP  20"  TOP  TOP  TOP  TOP  TOP  TOP  TOP  TO	19. Others (Specify) i.e.	Animal Traps			·		
The leak report, overview sketch of the site should be added as an appendix 1)  NOT 20" KOLO CREEK - RUMENTERLE /3" TO 2" ELBOW REDUCER.  INGER PIPELINE RT ODAY  3" BAH VAIVE  BUINKERING FITTINGS  INSTAIRED AT 120  CLOCK POSITION.  2" PIPE AND HOSE  CONNECTION.	S/N Others	Description		Quantity/Size	Comments		
The leak report, overview sketch of the site should be added as an appendix 1)  NOT 20" KOLO CREEK - RUMENTERSE / 3" TO 2" ELBOW REDUCER.  INGER PIPELINE RT DDAY  3" BAH VATUE  BUINKERING FITTINGS  INSTAIRED AT 120  CLOCK POSITION.  2" PIPE AND HOSE  CONNECTION.	NACO I		اد ۸ د ا	N 8	TIM	200	<u>-</u>
The leak report, overview sketch of the site should be added as an appendix 1)  NOT 20" KOLO CREEK - RUMENTERSE / 3" TO 2" ELBOW REDUCER.  INGER PIPELINE RT DDAY  3" BAH VATUE  BUINKERING FITTINGS  INSTAIRED AT 120  CLOCK POSITION.  2" PIPE AND HOSE  CONNECTION.	LADIAE N	THIN	771		×1 - t(	Pre	•
The leak report, overview sketch of the site should be added as an appendix 1)  NOT 20" KOLO CREEK - RUMENTERSE / 3" TO 2" ELBOW REDUCER.  INGER PIPELINE RT DDAY  3" BAH VATUE  BUINKERING FITTINGS  INSTAIRED AT 120  CLOCK POSITION.  2" PIPE AND HOSE  CONNECTION.	E. GRAPHIC DESCRIPTION	N OF LEAK PO	DINT (while d	letail report of the	e leak point sh	ould be conta	ined in
INSTAIRED AT 120 COMMENTION.  CLOCK POSITION.  TO MAN TO M	he leak report, overview sketc	h of the site should	t be added as a	ın appendix 1)	_		
3" BAIL VATUE  BUINKERING FITTINGS  INSTAILED AT 120  CLOCK POSITION.  COMMERTION.  2" PIPE AND HOSE  COMMERTION.				/3" <b>% 2"</b>	EL ROW	CEDUCER.	A I FAL
3" BAIL VATUE  BUINKERING FITTINGS  INSTAILED AT 120  CLOCK POSITION.  CONNECTION.  20'  THE  THE			- 77		_		Poin
Bunkering Fittings  INSTAILED AT 120  CLOCK POSITION.  CONNECTION  TOP  TOP						المَّمَا الْمُ	~·
LINSTAILED AT 120 COMMENTION.  CLOCK POSITION.  COMMENTION.  2" PIFE AND HOSE  COMMENTION.	3" BAI	NATHE			4	1	·
LINSTAILED AT 120 COMMENTION.  CLOCK POSITION.  COMMENTION.  2" PIFE AND HOSE  COMMENTION.	Bunke	RING FITTIN	CIS				
CLOCK POSITION.  CONNECTION  TOP	_	-			12" PIPE	SOH GON	E
Total Trup	•	•	7	•	COMNE	€710×1	
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			$\langle \nabla \rangle$				
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Vot a coopy Page 3 of 8	<u>*</u>	·	· <u>·</u>	<del></del>		<u> </u>	4 TMP
		Karacas	Page 3 of 8	<del></del>			

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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)

	<u> </u>	84 .	
S/N		Easting	
1.	4.92893° 4.92896° 4.92874°	6.43684°	
2	4.92896	6.43693° 6.43705° 6.43717° 6.43714° 6.43699°	
3.	4.92874°	6.43705	
4.	4.92870° 4.92865° 4.92873°	6.43717°	
5.	4.92865	6.43714°	
6.	4.92.873°	6.43699	
		F99	015
<u>.</u>		100	
		6/-	
		•	

INCIDENT NO: 14역으로 1월이 JIV report S/N: J	<b>19 90</b> 00067
G. INCIDENT INFORMATION:	
a. Impacted Area Details	
Total calculated area of impact  Impact within R.O.W  Impact outside R.O.W  YES	
b. Volume of oil recovered before completion of JIV (V <sub>recJ</sub> ):	<u> </u>
Recovered oil V <sub>recJ</sub> :	Barrels
Controlled recovery/evacuation from source with no impact to environment:	
c. Net Estimated Spilled VolumeV <sub>Est</sub> (bbls)* =	
1 93 BARREIS	
Estimated Reported Volume** V <sub>rep</sub> (bbls)= 2 BARRE-15	
*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:	
MOT APPLICABLE	-
Calculation of the respective estimated volume is to be done on site as far as practicable using the new spill volume estimated. Conversion of m <sup>2</sup> to barrels is Volume (m3) x 6.29; **Round up estimated volume to next whole number using the following 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 AV procedure to use	appropriate steps for

volume estimation; record the calculation in a plain sheet of paper and attach to the JIU 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 therefore recommend that the site be closed out	response	and JIT
ii. Investigation of the incident site showed that there is residual impact on site requiring furth	er works	□ □
e. Representatives		
This report was filled, agreed and signed by the following joint investigation team represe	tatives:	
Host Community:		
Department of Petroleum Resources [DPR]:		
National Oil Spill Detection and Response Agency [NOSDRA]:		
State Ministry of Environment [SME]:		İ
Asset Owner:		
Signatories agree with reported findings:		
Separate DPR form has been filled out with same findings□		
	ick as app	olicable
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f. Appendix 1: Overview sketch of the site

