INCIDENT NO: 1997178 JIV report S/N: 0979

(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: 1997178	2.Type of incident	· OTL SPILL		
3. Name of Location 6" OBIGES NORT	TH- OGALE	(DIL) PIPELINE		
4. Name of nearest community 66-ALE 5				
7. Type of Production facility/Installation Gal Pref				
8. Asset owner/District THE SHELL PETROLE	um Developm	IGNT COMPANY NICERIA LIMIT		
B. INCIDENT INFORMATION:		 :		
9. Details of incident a. Date of incident: 5 th January 2018 b. Start date/time of investigation: 10 th January c. Investigation End date: 11 th January 21	RY. 2018	ntion, days: Two DAYS		
d. Description of spill point environment Description of spill point environment Description of spill point enviro		~		
		Recently excavated area		
Under water Swampy	, , , ,			
□Well Platform (on Water) □Drill Rig				
Additional observations around the spill point:				
NOT APP	LICA	BLE		
e. Description of leak point (tick as applicable);	_			
Drilled hole	Illack saw cut	Tear (),		
☐Complete Rupture	Inward dent,	☐ Well head tampering		
Failed Weld-on illegal hot tap valve	☐ Failed Clamp,	Missing Pipeline/Flowline		
	Saver-pit over flow	☐ Third party tampering with Clamp		
☐ Third party tampering with valve setting ☐ Flare System/Bund wall failure	☐ Bulging Outward	☐ Third party tampering with flange,		
☐ Valve Failure	Cold vent	☐ Surge vessel overflow,		
_	Relief valve failure	Accidental 3 rd party equipment impact		
	Others(specify)			
f. Incident caused by:	•	•		
Third party interference (Sabotage S; crude the				
☐Operational ☐ Mystery spills ☐	\square Others(specify)	_		

^{*}This can be: a) Oil Spill b) Drilling fluid/Chemical c) Siltation d) construction e) Encroachment f) Fire,

	INCIDE	ENT NO: <u></u>	1971	78	JIV rep	oort S/N	ı: 0 97	9
	Spill point coordina Measuring unit	ates		WGS	5 84			
	Northing:			1	Easting:			
	4.	82008			7.15419			
			 _			$\overline{}$	-	<u> </u>
				-				
C. RIS	SK ASSESSMEN	IT			-	<u>.</u>		
	. Type of environr							
	Land	☐Swamp	□w	ater	☐ Seasonal	swamp	□Shoreline/	Waterfront
	i. Type o	f environment to w	hich oil h	as spread:				
	Cand	□Swamp	□w	ater	□River (ide	entify)		
	ii. Weathe	r condition						
	□Rain	Sunny	□Dry	□ Wet"	□Windy	Hot	□cool	
11.	Distance from th	e nearest sensitive	habitat					
	☐ Government ☐ Drinking wa ☐ Built up area ☐ Farmlands ☐ Fish Farm/p ☐ Fishing net ☐ Others (spec	a oond	gnated pro	etected area	([[[-	,m] {	HONE SI WITHIN VICINI	1
12,	. Containment mea	asures put in place	;				·	
	□Booms		rench	□Dyke	Natural de	pression	□Pit	□None
	Others:	 						
13.	Any pictures or v	ideo coverage?			[Y] /	[N]		
14.	Further response	repair initiated as	at the time	e of JIV?	[Y †	[N]		
RE		description:	is R	EPAIR	WORK	K BY	CLAM	PING
ON	1 GOIN G.							
15.	Was there any disr	untion to the investi	gation?		[7]	rna/		

	INCI	DENT NO: 19°	97178	JIV re	port S/N:	1979	
Ιſγ	es to item 15 give b	orief description:					
		JOT	APPI	TCAP	SIF		
D.	TYPE/NUMBERS	S OF PROPERTIES, IF	ANY, FOUND	WITHIN THE	AREA OF SPR	EAD OF OIL	
S/N	16. Structures / Pro		Size	Numbe	er	Comments	
		1. (i) 11	Λ	7 L A	ΔT	MDAC	
· []	VOITE	MITH	14 /	KU/	ОПІ	MINC	
C/M	17. Crops/Econom		1.36.15		1 0	La	1
S/N	Type of crops	Young	Medium	Matured A	Quantity	Commen	LS.
1	101/1C	MITHIN	AR	<u>LA 0</u>	114	MAC	ᄇ
	18. Fishing Nets/F	ish Ponds	<u></u>	<u> </u>	1]
S/N			otion	Quantity/Size	Com	ments	
K	IONE	MITH	A Al	REAL	OF IM	PACT	\exists
S/N		y) i.e. Animal Traps Descrip	otion	Quantity/Size	Com	ments	
T.				2 T.A	AF IN	PACT	
17	1011-	VIIIII	4 / 1		01 11	11/7/	
	the leak report, ove	CRIPTION OF LEAK P erview sketch of the site s	hould be added	as an appendix I)		
		OF E" OB					
Ε	er Gunke	SHOWING	· Cran				12 Helt
				Leak t	sue to b	CI LLED	
		Pin Hol	E:	1191-6			
	·				,		•
				/			
60	•	 			<u> </u>		\$6" NL
الان الان	¥ /}			· · · · · · · · · · · · · · · · · · ·		لا	To bir
		OBIGBO	NORTH - Page 3 of 8	CLACE P	ipeline.		
			Fage 3 Or 0				

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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 apach as an appendix)

	impacted area obtained y coordinates (y)	NG 04
S/N	Northing	Easting
	4.82007	7 15422
	4.81998	7.15417
	14.82006	7.154-14
	11-87012	7.15421
	11-82013	7.15415
	4.82018	7.15418
	11.82.033	7.15411
	11:02 0 711	7.15403
	14.02.529	7.15406
	11. 22 027	7.15396
	4.82.024	715412
	4 020=4	7 13 112
		
		
	-	-
		-
		
	 	
	34 334	

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INCIDENT INFORMATION:	
a. Impacted Area Details	
Total calculated area of impact 0.03 kg	
Impact within R.O.W	_
Impact outside R.O.W	
b. Volume of oil recovered before completion of JIV (Vreed):	
Recovered oil V _{recJ} :	Barrels
Controlled recovery/evacuation from source with no impact to environment:	
NIL Barrels	
c. Net Estimated Spilled VolumeV _{Est} (bbls)* =	
17 50 BARRELS	
stimated Reported Volume** Vren(bbls)= 8 BARRELS	
18 Signature	
lotes: 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:	
	_
NOI APPLICAB	JF
I TO I THE COLO	F
	•

Wherever this estimation tool is not applicable please refer to paragraph 6e (Deviations) of the JIV procedure to use appropriate steps for a volume estimation; record the calculation in a plain sheet of paper and attach to the JIV report.

Calculated volume = 15.3 bbl ------ Reported volume = 16 bbl ------ Reported volume = 0.4 bbl Calculated volume = 0.01 bbl ------ Reported volume = 0.1 bbl

Any spill volume in less than 1 bbl is rounded up to the next 0.1 bbl.

Examples:

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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 therefore recommend that the site be closed out	and JIT
ii. Investigation of the incident site showed that there is residual impact on site requiring further works	S
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;	
Separate DPR form has been filled out with same findings □	
Tick as app	olicable

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f. Appendix 1: Overview sketch of the site

