INCIDENT NO: 2681377 JIV report S/N: 0646

(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: 2681377	2. Type of incid	dent* OIL SPILL
3. Name of Location 18" ASA - RU		
4. Name of nearest community EGBEDA		
7. Production Facility/Installation	IL PIPELIN	E
8. Asset Owner/Hub THE SHELL PETR OF NIGERIA LIMI B. INCIDENT INFORMATION:	COLEUM DEVEL	LOPMENT COMPANY IPELINE
9. Details of incident a. Date Reported: 6TH JULY 2020 b. Start date/time of Investigation: 7TH JULY c. Investigation End date: 7TH JULY 2 d. Description of spill point environment	Y 2020 15:00 H&S RO20 Day(s) or oil	Recently excavated area Exposed pipe surface Sand bag(s)
Additional observations around the spill point:		
e. Description of leak point (tick as applicable); Smooth round-edge hole Complete Rupture Failed Weld-on illegal hot tap valve Crude oil theft (illegal bunkering) point, Third party tampering with valve setting Flare System/Bund wall failure Valve Failure Tear () Others (specify)	□ Rough-edge hole □ Inward dent, □ Failed Clamp, □ Saver-pit over flow □ Bulging Outward □ Cold vent □ Relief valve failure	☐ Hack saw cut ☐ Well head tampering ☐ Missing Pipeline/Flowline ☐ Third party tampering with Clamp ☐ Third party tampering with flange, ☐ Surge vessel overflow, ☐ Accidental 3 rd party equipment impact
f. Incident caused by; ☐ Third party interference (Sabotage ☐; crude ☐ Operational ☐ Others (including N		idental 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

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Blue (Host Community)

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	easuring unit	N	(15 8°	1
	Northing:			Easting:
	5.24	082		6.77024
C. RISK	(ASSESSMENT			
10.	Details of Enviro	onment		
i.	Type of envi	ronment where s	pill occurred (sele	ect one):
	Land	□ Swamp	□Water	Seasonal swamp Shoreline/Waterfront
ii.	Type of env	ironment to whic	h oil has spread:	
	Land	Swamp	□Waterbody (specify)
iii.	Weather con	ndition		
	□Dry	Wet	\square Windy	□Hot
11.	Distance to Sen	sitive habitat with	hin 100m radius	
12.	□ Drinking war □ Surface □ Built up Are □ Residee □ Farmlands □ Fish Farm/F □ Fishing net □ Others (spec	ater source be water Bo ea ential Area Co Pond cify) sures put in place:	/	[,m] [,m] Area [10 ,m] [,m] [,m] [,m]
	□Booms □	Trench Dyke	Pit Natu	ral depression None
	Others:			
13.	Any pictures or v	ideo coverage?		[V [N]
14.	Further response	e/repair initiated as	at the time of JIV	? [\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
If yes to	item 14, give brief d	escription: PILL RES	SPONSE /R	EPAIRS BY CLAMPING

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If yes to item 15 give b	ny disruption to to prief description:	he investigation	? [Y] [8]	
16. Was JIV dela	yed? [Y]	IOT /	APPLI	CAF	BLE
Others (specif		pproval			ss constraint due to terrai
D. TYPE/NUMBI	ERS OF PROPEI	RTIES, IF ANY,	FOUND WITHI	N THE ARI	EA OF SPREAD OF OI
S/N Type of Struct	ures Descri	ption Size	Number		Comments
NONE	WITH	LIN AD		. 7.	Comments
18. Crops/Economic	Trees	ITIN HA	EAUF	IMF	ACT
S/N Type of crops	Young	Medium		х	
MAIZE VEGETARIE		- Triculain	Matured YES	Quantity	- Julian Città
CASSAVA		_	YES		MACTED
19. Fish/Nets/Ponds		YES	_		IMPACTED
S/N Fish/Nets/Ponds	Description	1	Ta		IMPACTED
TI O LIE	- F		Quantity/Size	Comments	
HN()NF	MITTH	INIART	- A - O =	TILLO	
20. Others (Specify) e.	Q Animal T	INAVI	AUF	IMP	ACT
S/N Others	Description			- 11	101
	Description		Quantity/Size	Comments	
HAMAIT	1.1771	ITALAP) - 4 0 -	4	
E CRAPHIC DESCRIPTION	WITH	TIN AH	(LA ()	JAA	$2\Lambda CT$
E. GRAPHIC DESCRIPTION the leak report, overview & SECTION CO.	ION OF LEAK P	OINT (while deta	ailed description	TIVI	ACI
in the leak report, overview of SECTION CONTING 2 N	OF 18" AS	hould be added a.	s appendix 1)	ine teak po	int should be contained
SHOWING 2 N	IDS OF OH	SAMMUE	KPE PIPE	LINEA	LEGRENA
SHOWING 2 NO.CLOCK POSIT	ION RY	BALL VAL	VES INST	ALLED	AT 4 10
		MNONN	PERSONC	2)	
NOS OF 0110		B	.ė		
NOS OF 2" BALLVAL ISTALLED AT 1204	WES		3 U ₁		
SITION	cuck	ill .	Zi.		
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4/		<u> </u>	ليم		
18" ()					()
				The state of the s	\ 1 1
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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

		0
	//	10
		2
	6/1	1
	, '\	11
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		_
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-		

FID 26813577 18" ASSA TO RUMUEKPE PIPELINE AT EGBEDA

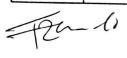
DNT 165	7/ 18" ASS	A TO RUMU
PNT_ISD	LAT	LONG
269	5.24078	6.77025
270	5.24079	6.77008
271	5.24082	6.77008
272	5.24086	6.77011
273	5.24098	6.77019
274	5.24115	6.77024
275	5.24119	6.77024
276	5.24138	6.77029
277	5.24184	6.77037
278	5.24199	6.77043
279	5.24202	6.77044
280	5.2421	6.77045
281	5.24219	6.77046
282	5.24221	6.77032
283	5.24223	6.77032
284	5.24221	6.77045
285	5.24242	6.77052
286	5.2425	6.77056
287	5.24256	6.77057
288	5.24259	6.77058
289	5.24285	6.77062
290	5.24299	6.77067
291	5.243	6.77068
292	5.24325	6.77073
293	5.2433	6.77074
294	5.24357	6.77082
295	5.24375	6.77085
296	5.24396	6.77089
297	5.24397	6.77091
298	5.24419	6.77096
299	5.24457	6.77105
300	5.24525	6.7712
301	5.24526	6.77121
302	5.2454	6.77124
303	5.24551	6.77127
304	5.24566	6.7713
305	5.24573	6.7713
306	5.24578	6.77131
307	5.24575	6.77133
308	5.24576	6.77141
309	5.24589	6.77148
310	5.24583	6.77151
311	5.24575	6.77151
312	5.2457	6.7715
313	5.2457	6.77155
314	5.24571	6.77158
315	5.24558 5.24557	6.77159 6.7715
310	13.24337	<u>, , , , , , , , , , , , , , , , , , </u>

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1 of 3

317	E 24557	C 774.4C
	5.24557	6.77146
318	5.24547	6.77144
319	5.24549	6.77136
320	5.2455	6.7713
321	5.24487	6.77115
322	5.24473	6.77115
323	5.245	6.7717
324	5.24515	6.77191
325	5.24519	6.77187
326	5.24528	6.77177
327	5.2453	6.7718
328	5.2452	6.77187
329	5.24515	6.77195
330	5.24503	6.77182
331	5.24496	6.77166
332	5.24489	6.7715
333	5.24478	6.77129
334	5.24463	6.77111
335	5.24437	6.77103
336	5.24432	6.77101
337	5.24414	6.77097
338	5.2439	6.77091
339	5.24367	6.77085
340	5.24364	6.77087
341	5.24361	6.77087
342	5.24356	6.77084
343	5.24351	6.77083
344	5.2435	6.77081
345	5.24323	6.77076
346	5.24264	6.77077
347	5.24258	6.77063
348	5.24253	6.77062
349	5.24243	6.77057
350	5.2422	6.77055
351	5.24217	6.77072
352	5.24216	6.7709
353	5.24213	6.77114
354	5.24214	6.77128
355	5.24212	6.77128
356	5.24211	6.77115
357	5.24214	6.77094
358	5.24214	6.77071
359	5.24215	6.77057
360	5.24204	6.77051
361	5.24184	6.77042
362	5.24178	6.77046
363	5.24166	6.77048
364	5.24161	6.77045
365	5.24157	6.77041
366	5.24135	6.77035
		

367	5.24118	6.77035
368	5.24103	6.77034
369	5.24098	6.77031
370	5.24097	6.77033
371	5.24091	6.77031
SP 1	5.24082	6.77024
SPD 2	5.24081	6.77024



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G.	INCID	ENT	INFO	RMA	TION:
		-11	1111	/ I X I Y I /	

a.	Impacted	Area	Details	*
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Total calculated area of impact (Ha) 0.53 HA Impact within SPDC R.O.W Impact outside SPDC R.O.W ____

* Round off to 2 decimal places if area is \geq 100 m² or to 4 decimal places if area is \leq 100 m² (e.g. 14.55, 0.0051, 0.0009)

* Express in Hectares (Ha)

b.	Volume o	f oil recovered	before	comp	letion	of.	.IIV	(V	1)

Recovered oil VrecJ: Barrels 75

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

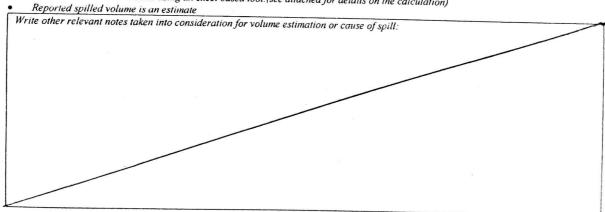
Barrels NIL

Net Estimated Spilled Volume V_{Est}(bbls)* = 186.00 BARRELS

Estimated Reported Volume** Vrep(bbls)= 186 BARRELS

*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. General Status of the	site
--------------------------	------

- 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
- Investigation of the incident site showed that there is residual impact on site requiring further works

Representatives

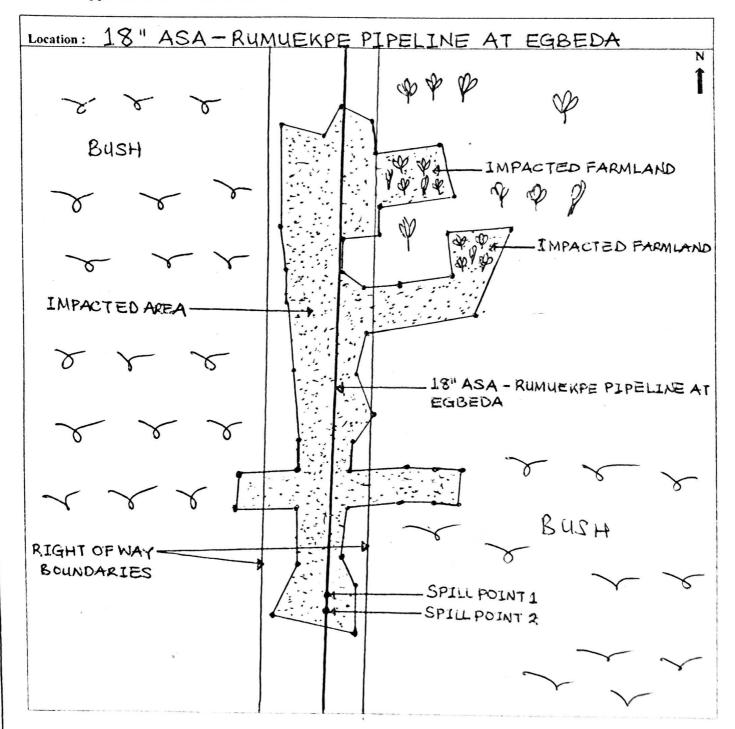
This report was filled, agreed and signed by the following joint investigation team representatives:

- 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 \square
- 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



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