JOINT INVESTIGATION REPORT FOR INCIDENT NO: 1212857 JIV report S/N: 00590 (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: 12128 5 7 2. Type of incident OTL SPILL 3. Name of Location ADIBAWA WELL - 285 FLOWLINE 4. Name of nearest community EDAGEIRI 5. State: RIVERS 6. LGA AHODA WEST 7. Type of Production facility/Installation FLOWLINE 8. Asset owner/District LAND II ADIBAWA **B. INCIDENT INFORMATION:** 9. Details of incident a. Date of incident: 12TH Just, 2014. b. Start date/time of investigation: 15 TH JULT, 2014 c. Investigation End date: 15th July 2014Actual investigation duration, days: ONE DAT d. Description of spill point environment Firmed soil Loose soil Recently excavated area Exposed pipe surface ☐Swampy Under water Drill Rig ☐ Well Platform (on Water) Additional observations around the spill point: . . e. Description of leak point (tick as applicable); ☐ Tear (______), Hack saw cut ☐Drilled hole ■Well head tampering ☐Inward dent, Complete Rupture Missing Pipeline/Flowline Failed Weld-on illegal hot tap valve, Failed Clamp ☐ Third party tampering with Clamp ☐Crude oil theft (illegal bunkering) point, ☐Third party tampering with flange, ☐Third party tampering with valve setting, ☐ Surge vessel overflow, ☐Saver-pit over flow, ☐ Corrosión □Flare System/Bund wall failure □Accidental 3rd party equipment ☐Bulging Outward Com unit failure Cold vent □Valve Failure impact Others (specify)_ Relief valve failure f. Incident caused by: Third party interference (Sabotage , crude theft□; Line theft□; Accidental 3rd party damage□) Others (including Mystery spills)_____ Operational

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

JOINT INVESTIGATION REPORT FOR INCIDENT NO: 1212857 JIV report S/N: 00590
g. Spill point coordinates Measuring unit Northing: Manual Measuring with the state of the
132401.15 447501.55
Jeh Jaia
C. RISK ASSESSMENT
10. Type of environment:
Land
i. Type of environment to which oil has spread:
□ Land □ Swamp □ Water □ River (identify)
ii. Weather condition
Rain Sunny Dry Wet Windy Hot Moool 11. Distance from the nearest sensitive habitat
Government reserved and designated protected area Drinking water source Built up area Farmlands Fish Farm/Pond Fishing net Others (specify). — (LUNNA TREE IMPRETED)
12. Containment measures put in place;
□Booms □Trench □Dyke □Natural depression □Pit □None □Others:
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:
REPAIR WORK PLANNER FOR SECTIONA
FRACEMENT [Y] [N] Was there any disruption to the investigation? [Y] [N]
If yes to item 15 give brief description:
NOT APPLICABLE

JOINT INVESTIGATION REPORT FOR INCIDENT NO: 12(2857 JIV report S/N: 00591)

D. TYPE/NUMBERS OF PROPERTIES, IF ANY, FOUND WITHIN THE AREA OF SPREAD OF OIL

16. Structures / Properties

S/N Type of Structures	Description	Size	Number	Comments
Nakto 11	7 1 (- A - O		
110115	HHIN	1XF	A NE	1MPACT
17 Craps/Eappowie Trees				

17. Crops/Economic Trees

S/N Type of crops	Young	Medium	Matured	Quantity	Comments
NONE	MITTER	ARE	A	MP	ACT.

18. Fish/Nets/Ponds

S/N	Fish/Nets/Ponds	Description	Quantity/Size	Comments	
1			Δ		
$\perp \mid \lambda \mid$	VVIC T	12117	$M \setminus X = S$	ΔT . \Box	$MDN \wedge T$
	V TAILOI				111 FACT.
	- · · ·		<u> </u>		

19. Others (Specify) i.e. Animal Traps

S/N	Others	Description	Quantity/Size	Comments
~	CHANA	LENK UNDER A	\	MATURED WITH FRYITS
		GUNNA TREE		
-				

E. 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)

EDAGBIRI SHOWING HACKSAW CUT (SABOTAGE)

OIL FLOW FROM

WELL HEAD

TO FLOW

AT 12° CLOCK POSITION

TO FLOW

TO

Page 3 of 8

JOINT INVESTIGATION REPORT FOR INCIDENT NO: 121 2857 JIV report S/N: 00590

F: TABLE SHOWING SOME OF COORDINATES TAKEN DURING JIV FOR	AREA CALCULATION
F: TABLE SHOWING SOME OF COORDINATES TAKEN DURING JIV FOR	endir)

	Impacted area boundary Cook nates (If in	T
S/N	Northing (M)	Easting (m)
	132403.00	447.501.45
	132399.04	447498.27
	132396.34	447502.56
	132400.79	447505.57
		+
	•	1
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ESTIMATION OF OIL SPILL VOLUME

Estimated Volume of Inflitrated oil, V_{infe} Estimated Volume of Inflitrated oil, V_{infe}

		FID =1212857 AT 4" ADI	BAWA WELL23S FLOWLINE AT ED.	AGBIRI JIV VOLUME	CAL REPORT	
4	OIL	SPILLED ONSHORE	OFFSHORE (Leak stopped at	source)		
	<u>lm e</u>	acted Area Details				
		Total Calculated Area or	f Impact		6 ,	25.00 m²
	i	Impact within SPDC R.O.	.w			m²
	ä	Impact outside SPDC R.	0. W			m²
1	<u>Vofu</u>	ime of oil recovered bef	ore completion of JIV (Vi)			
	ı	Estimated Recovered oil	(Net)			bbls
		Estimated Recovered o	il (Net) V _{reci}	•		0.00 bbls
			•			
2	Com	putation of estimated re	ssidual volume o <u>n site</u>			
	æ	Computation of volume	of free phase oil (on land or confine	d water body)		
	Í	Total area occupied by po	ool of free phase oil			2.00 m²
		Average depth of pool of	free phase oil			0.045 m
	ÌĤ	Emulsification factor	(If applicable, else 0%)			30.000 %
			ool of free phase oil, V _{peel}			0.06 m³
		Estimated Volume of p	col of free phase cil, V _{pool}	_		0.40 bbls
						·
	ь		ed volume of inflitrated oil in the sci	(V _{Int})		
	1	Volume of inflitrated of	l at spill point (V _{tofa})			
		Total area covered by the				4.00 m ²
	ìi	Average depth of infiltration	on above leaking facility i.e. pipeline/fk	wline		0.060 m
		Soil type				Site y
	iv	P. (effective porosity of the	ne soil)			%
	V	Cause of spill				Third party interference
	٧l		infittration below the leaking point on	pipeline or flowline		
		Incident Date	JIV Date	Days on Site		
		7/11/2014 13:40	7/15/2014 14:35	. 4		
			rational, use 1 week as worst case	7		
			rational, use 1 week as worst case hare 'days on site' exceeds 7.	7		
			here 'devs on site' exceeds 7.			٦
			hare ideus on site' exceeds 7. Infiltration of all types in various sail (ypes vs time.	nd level	7
		<u> асепадо ехсері w</u>	here 'devs on site' exceeds 7.	ypes vs time.		3
		scenario except w	hare 'devs on site' exceeds 7. Infiltration of oil types in various soil t Approximate time to reach	ypes vs time. 1m depth below grou	Clay	
		scenario excent w Soil type Oil type	hare 'devs on site' exceeds 7. Infiltration of oil types in various soil t Approximate time to reach Sand	ypes vs time. 1m depth below grov. Loam		
		scenario excent w Soil type Oil type Banny Medium	hare 'devs on site' exceeds 7. Infiltration of all types in various soil I Approximate time to reach Sand 3 weeks	ypes vs time. 1m depth below grov. Loam 3 years	Clay > 10 years	
	vii	scenario excent w Soil type Oil type Banny Medium	hare 'devs on site' exceeds 7. Infiltration of all types in various soil I Approximate time to reach Sand 3 weeks	ypes vs time. 1m depth below grov. Loam 3 years	Clay > 10 years	Sharray Macdium
		Scenario excent w Soil type Oil type Bonny Medium Bonny Light Oil type	hare 'devs on site' exceeds 7. Infiltration of all types in various soil I Approximate time to reach Sand 3 weeks	ypes vs time. 1m depth below grox. Loam 3 years 2 months	Clay > 10 years	Bacony Mardium W
		Scenario excent w Soil type Oil type Bonny Medium Bonny Light Oil type	hara 'devs on sita' exceeds 7. Infiltration of oil types in various soil I Approximate time to reach Sand 3 weeks 2 days	ypes vs time. 1m depth below grox. Loam 3 years 2 months	Clay > 10 years	
	Viii	Scenario excent w Soil type Oil type Bonny Medium Bonny Light Oil type Average depth of infiltration	hara 'devs on sita' exceeds 7. Infiltration of oil types in various soil I Approximate time to reach Sand 3 weeks 2 days	ypes vs time. 1m depth below grox. Loam 3 years 2 months	Clay > 10 years	
	Viii	Scenario excent w Soil type Oil type Bonny Medium Bonny Light Oil type Average depth of infiltration	hara 'devs on site' exceeds 7. Infiltration of oil types in various soil I Approximate time to reach Sand 3 weeks 2 days on below leaking facility i.e. pipeline/fic	ypes vs time. 1m depth below grox. Loam 3 years 2 months	Clay > 10 years	m
	viii ix	Scenario excent we Soil type Soil type Bonny Medium Bonny Light Oil type Average depth of infiltration Total depth below ground	hara 'devs on sita' exceeds 7. Infiltration of oil types in various soil i Approximate time to reach Sand 3 weeks 2 days on below leaking facility i.e. pipeline/fic	ypes vs time. 1m depth below grox. Loam 3 years 2 months	Clay > 10 years	m
	viii ix	Scenario excent we Soil type Soil type Bonny Medium Bonny Light Oil type Average depth of infiltration	hara 'devs on sita' exceeds 7. Infiltration of oil types in various soil i Approximate time to reach Sand 3 weeks 2 days on below leaking facility i.e. pipeline/fic	ypes vs time. 1m depth below grox. Loam 3 years 2 months	Clay > 10 years	m m
	viii ix	Scenario excent we Soil type Oil type Bonny Medium Bonny Light Oil type Average depth of infiltration Total depth below ground Estimated Volume of Infiltration	hara 'devs on sita' exceeds 7. Infiltration of oil types in various soil I Approximate time to reach Sand 3 weeks 2 days on below leaking facility I.e. pipeline/fic surface of infiltration of oil	ypes vs time. 1m depth below grou Loam 3 years 2 months	Clay > 10 years	7.05 m
	viii ix 2	Scenario excent w Soil type Oil type Bonny Medium Bonny Light Oil type Average depth of infiltration Total depth below ground Estimated Volume of infi Estimated Volume of infiltrated oil	hara 'devs on sita' exceeds 7. Infiltration of oil types in various soil I Approximate time to reach Sand 3 weeks 2 days on below leaking facility i.e. pipeline/fic surface of infiltration of oil iltrated oil, V tota iltrated oil, V tota iltrated oil, V tota iltrated oil, V tota	ypes vs time. 1m depth below grou Loam 3 years 2 months	Clay > 10 years	0.08 m ³
	viii ix 2	Scenario excent we Soil type Soil type Bonny Medium Bonny Light Oil type Average depth of infiltration Total depth below ground Estimated Volume of infi Estimated Volume of infi Total area covered by the	hara 'devs on sita' exceeds 7. Infiltration of oil types in various soil I Approximate time to reach Sand 3 weeks 2 days on below leaking facility i.e. pipeline/fix surface of infiltration of oil Iltrated oil, V tota Intrated oil, V tota Intrated oil, V tota Intrated oil oil (infiltration)	ypes vs time 1m depth below grox Loam 3 years 2 months whine	Clay > 10 years	0.05 m ³
	viii ix 2 ii	Scenario excent we Soil type Soil type Bonny Medium Bonny Light Oil type Average depth of infiltration Estimated Volume of infi Estimated Volume of infi Total area covered by the Average depth of infiltration	hara 'devs on sita' exceeds 7. Infiltration of oil types in various soil I Approximate time to reach Sand 3 weeks 2 days on below leaking facility i.e. pipeline/fic surface of infiltration of oil iltrated oil, V tota iltrated oil, V tota iltrated oil, V tota iltrated oil, V tota	ypes vs time 1m depth below grox Loam 3 years 2 months whine	Clay > 10 years	0.05 m ³ 0.34 bbis
	viii ix 2 ii iit	Scenario excent we Soil type Soil type Bonny Medium Bonny Light Oil type Average depth of infiltration Estimated Volume of infi Estimated Volume of infi Volume of infiltrated oil Total area covered by the Average depth of infiltration	hara 'days on sita' exceeds 7. Infiltration of oil types in various soil i Approximate time to reach Sand 3 weeks 2 days on below leaking facility i.e. pipeline/fic surface of infiltration of oil iltrated oil, V mrs iltrated oil, V mrs in second split point [if applicable] oil (infiltration) on above leaking facility i.e. pipeline/fic	ypes vs time 1m depth below grox Loam 3 years 2 months whine	Clay > 10 years	0.05 m³ 0.34 bbis
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	yiii ix 2 i it iit	Scenario excent we Soil type Oil type Bonny Medium Bonny Light Oil type Average depth of infiltration Total depth below ground Estimated Volume of infi Estimated Volume of infi Total area covered by the Average depth of infiltration Soil type P. (effective porosity of the	hara 'days on sita' exceeds 7. Infiltration of oil types in various soil i Approximate time to reach Sand 3 weeks 2 days on below leaking facility i.e. pipeline/fic surface of infiltration of oil iltrated oil, V mrs iltrated oil, V mrs in second split point [if applicable] oil (infiltration) on above leaking facility i.e. pipeline/fic	ypes vs time. 1m depth below groz. Loam 3 years 2 months wline	Clay > 10 years	0.05 m³ 0.34 bbis
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	viil ix 2 2 1 it iit iv v	Scenario excent we Soil type Soil type Bonny Medium Bonny Light Oil type Average depth of infiltration Estimated Volume of infi Estimated Volume of infiltrated oil Total area covered by the Average depth of infiltration Soil type Question of the coverage of the Average depth of infiltration Average depth of infiltration	hara 'days on sita' exceeds 7. Infiltration of oil types in various soil I Approximate time to reach Sand 3 weeks 2 days on below leaking facility i.e. pipeline/fic surface of infiltration of oil iltrated oil, V _{inta} iltrated oil, V _{inta} il at second splil point (if applicable oil (infiltration) on above leaking facility i.e. pipeline/fic	ypes vs time. 1m depth below groz. Loam 3 years 2 months wline	Clay > 10 years	0.08 m³ 0.34 bbls m m m² m m² m sk m²
	viil ix 2 2 1 it iit iv v	Scenario excent we Soil type Dil type Bonny Medium Bonny Light Oil type Average depth of infiltration Estimated Volume of infi Estimated Volume of infiltrated oil Total area covered by the Average depth of infiltration Soil type P. (effective porosity of the Average depth of infiltration Total depth below ground	trafitration of oil types in various soil in Approximate time to reach Sand 3 weeks 2 days on below leaking facility i.e. pipeline/fix surface of infiltration of oil illitrated oil, V tota illitrated oil, V tota iii (infiltration) on above leaking facility i.e. pipeline/fix e soil) on below leaking facility i.e. pipeline/fix surface of infiltration of oil	ypes vs time. 1m depth below groz. Loam 3 years 2 months wline	Clay > 10 years	0.05 m³ 0.34 bbis m'
	viii ix 2 2 1 iit iiv vi	Scenario excent we Soil type Soil type Bonny Medium Bonny Light Oil type Average depth of infiltration Estimated Volume of infi Estimated Volume of infiltration Total area covered by the Average depth of infiltration Soil type P, (effective porosity of the Average depth of infiltration Total depth below ground Estimated Volume of infiltration Total depth below ground	trafitration of oil types in various soil in Approximate time to reach Sand 3 weeks 2 days on below leaking facility i.e. pipeline/fice surface of infiltration of oil illurated oil, V intermit a special second split point (if applicable) oil (infiltration) on above leaking facility i.e. pipeline/fice soil) on below leaking facility i.e. pipeline/fice soil) on below leaking facility i.e. pipeline/fice soil) on below leaking facility i.e. pipeline/fice surface of infiltration of oil	ypes vs time. 1m depth below groz. Loam 3 years 2 months wline	Clay > 10 years	m 0.05 m³ 0.34 bbis m² m m m m m m m m m m m m
	viii ix 2 2 1 iit iiv vi	Scenario excent we Soil type Dil type Bonny Medium Bonny Light Oil type Average depth of infiltration Estimated Volume of infi Estimated Volume of infiltrated oil Total area covered by the Average depth of infiltration Soil type P. (effective porosity of the Average depth of infiltration Total depth below ground	trafitration of oil types in various soil in Approximate time to reach Sand 3 weeks 2 days on below leaking facility i.e. pipeline/fice surface of infiltration of oil illurated oil, V intermit a special second split point (if applicable) oil (infiltration) on above leaking facility i.e. pipeline/fice soil) on below leaking facility i.e. pipeline/fice soil) on below leaking facility i.e. pipeline/fice soil) on below leaking facility i.e. pipeline/fice surface of infiltration of oil	ypes vs time. 1m depth below groz. Loam 3 years 2 months wline	Clay > 10 years	0.05 m³ 0.34 bbis m'
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	viii ix 2 1 ii iii iiv v vi vi ii i	Soil type Oil type Bonny Medium Bonny Light Oil type Average depth of infiltration Estimated Volume of infi Total area covered by the Average depth of infiltration For the second of the sec	Infiltration of oil types in various soil is Approximate time to reach Sand 3 weeks 2 days on below leaking facility i.e. pipeline/fice surface of infiltration of oil iltrated oil, V _{ints} is at second split point (if applicable) oil (infiltration) on above leaking facility i.e. pipeline/fice surface of infiltration of oil intituded oil, V _{ints} is at second split point (if applicable) oil (infiltration) on above leaking facility i.e. pipeline/fice surface of infiltration of oil iltrated oil, V _{ints}	ypes vs time. 1m depth below grox. Loam 3 years 2 months Wine	Clay > 10 years	m 0.08 m³ 0.34 bbls m m m m m m m m m m m m 0.00 m³ 0.00 bbls
		Scenario excent we Soil type Oil type Bonny Medium Bonny Light Oil type Average depth of infiltration Estimated Volume of infiltrated oil Total area covered by the Average depth of infiltration of the Average depth of infiltrat	Infiltration of oil types in various soil is Approximate time to reach Sand 3 weeks 2 days on below leaking facility i.e. pipeline/fice surface of infiltration of oil illustrated oil, V ma illustrated oil, V ma illustrated oil oil (infiltration) on above leaking facility i.e. pipeline/fice soil) on below leaking facility i.e. pipeline/fice surface of infiltration of oil illustrated oil, V male outside Immediate spill point(s) reconstitution)	ypes vs time. 1m depth below grox. Loam 3 years 2 months Wine	Clay > 10 years	5.08 m³ 0.54 bbls m² m² m m² m m m m m m 0.00 m³ 0.00 bbls
		Scenario excent we Soil type Oil type Bonny Medium Bonny Light Oil type Average depth of infiltration Estimated Volume of infiltrated oil Total area covered by the Average depth of infiltration Soil type Average depth of infiltrated oil Total depth below ground Estimated Volume of infiltration Total depth below ground Estimated Volume of infiltration Total depth below ground Estimated Volume of infiltrated oil Total Area covered by the Total Area covered by the Total Area of the pool of the Infiltrated oil Infiltrated Area of the pool of the Infiltrated oil Infiltrated Area of the pool of the Infiltrated Oil Infilt	Infiltration of oil types in various soil is Approximate time to reach Sand 3 weeks 2 days on below leaking facility i.e. pipeline/fice surface of infiltration of oil iltrated oil, V _{ints} is at second split point (if applicable) oil (infiltration) on above leaking facility i.e. pipeline/fice surface of infiltration of oil intituded oil, V _{ints} is at second split point (if applicable) oil (infiltration) on above leaking facility i.e. pipeline/fice surface of infiltration of oil iltrated oil, V _{ints}	ypes vs time. 1m depth below grox. Loam 3 years 2 months Wine	Clay > 10 years	9.08 m³ 0.34 bbls m m m m m m m m m m m m m
	viii ix ix 2 2 1 ii ii ii v v vi	Scenario excent we Soil type Oil type Bonny Medium Bonny Light Oil type Average depth of infiltration Estimated Volume of infiltrated oil Total area covered by the Average depth of infiltration of the Average depth of infiltrat	trafitration of oil types in various soil is Approximate time to reach Sand 3 weeks 2 days on below leaking facility i.e. pipeline/fic surface of infiltration of oil iltrated oil, V tota iltrated oil, v tota in the below leaking facility i.e. pipeline/fic oil (infiltration) on above leaking facility i.e. pipeline/fic oil (infiltration) on above leaking facility i.e. pipeline/fic surface of infiltration of oil iltrated oil, V tota outside immediate spill point(s) records oil (infiltration)	ypes vs time. 1m depth below grox. Loam 3 years 2 months Wine	Clay > 10 years	5.08 m³ 0.54 bbls m² m² m m² m m m m m m 0.00 m³ 0.00 bbls
	viii ix ix 2 2 1 ii ii ii v v vi	Scenario excent we Soil type Soil type Bonny Medium Bonny Light Oil type Average depth of infiltration Estimated Volume of infiltrated oil Total area covered by the Average depth of infiltration Soil type Quantity of the Average depth of infiltration Total area for infiltration of the Average depth of infiltration Total depth below ground Estimated Volume of infiltration Total depth below ground Estimated Volume of infiltration Volume of infiltrated oil Total Area covered by the Total Area covered by the Total Area of the pool of the Soil type	trafitration of oil types in various soil is Approximate time to reach Sand 3 weeks 2 days on below leaking facility i.e. pipeline/fic surface of infiltration of oil iltrated oil, V tota iltrated oil, v tota in the below leaking facility i.e. pipeline/fic oil (infiltration) on above leaking facility i.e. pipeline/fic oil (infiltration) on above leaking facility i.e. pipeline/fic surface of infiltration of oil iltrated oil, V tota outside immediate spill point(s) records oil (infiltration)	ypes vs time. 1m depth below grox. Loam 3 years 2 months Wine	Clay > 10 years	9.08 m³ 0.34 bbls m m m m m m m m m m m m m

0.01 m² 0.09 bble

Estimated Total Volum				0.07 m³
Estimated Total Volum	ie of infiltrated oll, V _{ist}			0.43 bbls
Computation of volume	of all on open water based on stand	lumi colocation		
Total area of oil on open	•		^. Г	lm²
•	of cil on water based on coloration		L	
- ,		Link to Coverage Visual		
Spill Factors from USGG FOG	(2000 Edition)	AM Percentage coverage		
	Thickness (mm)	(%)	Volume (m3)	
Barety Visible			0.0000	
Silvery			0,0000	
Slight Color	•		0.0000	
Bright Color			0.0000	
<u>Dull</u> Dark			0.0000	
Black oil			0.0000	
Emulsion (30% Oil)			9,0000	
<u> </u>	Percent Total:	0%	0.000.0	
		- 10		
Estimated Volume of o	oil on open water, V _{ent}			0.00 m³
Estimated Volume of o				0.00 bbls
	Evaporation Factors (E-Factor) for S			
Residence tim	e of spilled oil (days on site)	Oil ty		
_	<1 day	Bonny Light 10%	Bonny Medium 5%	
	1-7 daya	25%	15%	
	> 7 days	40%	25%	
•	JIV completion done before JIV date?		N	<u> </u>
Estimated volume availa	one for evaluation			bbls
E-factor				%
			-	~
Estimated Volume of e	rvaporated oil, V _{evap}			0.15 bbls
Net Total Estimated	Spilled Volume, V _{žet}			0.97 bbls
CALCULATION OF	SPILLED VOLUME FROM A WE	LLHEAD		
Daily Gross Production rate (bbvd	
Well Gas-Oil-Ratio				
Well on Fire		Yes	•	
Ratio of Oil production from V	Velt(OR)*	0%	1	
Average hourly oil flow rate		0.0	bbVhr	
Automatic shut down (Coope	r Cameron Unit (CCU) Activated	Yes		
Percentage of Valve opening		1%		
Avg Hourly leak to the enviro	nment I	0.00	L. L. G.	
Leak duration (hours)		0.00	bbl/hr	
Estimated spilled Volume		2.22		
rammer share samue.		0.00		

В

* GOR reverses in event of fire

JOINT INVESTIO	SATION REPO	RT FOR INCIDENT	NO: 1212	857 JIV report S/N:	00590
	NT INFORMAT			•	00000
20. Impae	cted Area Detai	İs			
·		lated area of impact_ ain SPDC R.O.W	0.00:	25 ha	
	-	ide SPDC R.O.W	ND		
21. Volu	=	ered before comple	tion of JIV (V _{rec}	·);	
			vered oil V _{rec.} :	NIL	Barrels
Control	led recovery/ev	acuation from sour	ce with no impa	act to environment:	
	•	NIL	Barrels		
			<u> </u>		
22. Net F	Stimated Spill	ed Volume V _{Est} (bl	ols)* =	 .	
	•		_		
,		0.47	BARREL	•	:
Estimated R	eported Volum	e** V _{rep} (bbls)=	1 BARRA	a h	
			T Quere	₹ €	
*Notes:					
■ Repo	rted spilled volume i				
Write othe	r relevant notes take	n into consideration for es	timating the spilled in	the box below:	
į					
:					
Conversion of n	i ^t to barrels is Volun	ed volume is to be done on he (m3) x 6.29; **Round h s of I bbl is rounded t	p estimated volume to	able using the new spill volume est o next whole number using the follo umber.	imation software on site; wing rules:
• Any	spill volume in less ti	ian I bbl is rounded	up to the next 0.1 bbl.		
Exam	Calcula	ted volume = 15,3 bbt	Reported volume	= 0.4 bbl	
Wherever this a	estimation tool is no	t annlicable nlease vefer	to naraoranlı 6c (De	viations) of the JIV procedure to	use annyocciate stons for

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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23. GENERAL STATUS OF THE SITE

A.	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
В.	Investigation of the incident site showed that there is residual impact on site requiring further works

24. REPRESENTATIVES

This report was filled, ag	greed and signed by the	e following joint invest	tigation representatives:
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- Host Community:
- Department of Petroleum Resources [DPR]:
- National Oil Spill Detection and Response Agency [NOSDRA]:

 ✓
- State Ministry of Environment [SME]:
- Nigeria Police Force [NPF]:
- Shell Petroleum Development Company [SPDC]:

 ■
- Signatories agree with reported findings:

 ✓
- Separate DPR form has been filled out with same findings □

Tick as applicable

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25. Appendix 1: Overview sketch of the site

