Locat	tion of spill	I: CO	G - Copperh	ead 31 F	ee #020H	_	Date of Spill:	19-Jan-20	19		
							n equipment , i.e wellhead pump, or storage tank place				
If spill v	olumes from	n measure	ement, i.e. me	etering, ta	ank volumes, e	Input etc. are kno	Data:	OIL: 0.0 BBL	WATER:		
lf "known"	" spill volu	mes are ç	given, input	data for	the following	"Area Ca	Iculations" is optional. The	e above will overrid	le the calculated vol	umes.	
Total Area Calculations						Standing Liquid Calculations					
Total Surface Area	width		length		wet soil depth	oil (%)	Standing Liquid Area	width	length	liquid depth	oil (
Rectangle Area #1	0 ft	X	0 ft	X	0 in	0%	Rectangle Area #1	50 ft X	65 ft X	0.10 in	(
Rectangle Area #2 Rectangle Area #3	0 ft 0 ft	X X	0 ft 0 ft	X X	0 in 0 in	0% 0%	Rectangle Area #2 Rectangle Area #3	Oft X Oft X		0 in 0 in	(
Rectangle Area #4	0 ft	Х	0 ft	Х	0 in	0%	Rectangle Area #4	0 ft X	0 ft X	0 in	Ċ
Rectangle Area #5	0 ft	X X	0 ft 0 ft	X X	0 in 0 in	0% 0%	Rectangle Area #5	Oft X Oft X		0 in 0 in	
Rectangle Area #6 Rectangle Area #7	0 ft 0 ft	X	0 ft	X	0 in 0 in	0%	Rectangle Area #6 Rectangle Area #7	0 ft X		0 in	
Rectangle Area #8	0 ft	Х	0 ft	Х	0 in	0%	Rectangle Area #8	0 ft X		0 in	(
Did leak occur before the sepa Amount of Free Liquid Recovered:	arator?: 0 BE	YE BL	ES	N/A okay	(place an "X	")	H2S Content in P H2S Content in Percentage of Oil	Tank Vapors: 0	PPM PPM		
Liquid holding factor *:	0.00 ga	l per gal	* Sar * Gra * Sar	nd = 0.08 g welly (calic ndy clay loa	ga <mark>when the spill v</mark> gallon (gal.) liquid the) loam = 0.14 ga am soil = 0.14 gal . 16 gal. liquid per	per gal. volu gal. liquid per liquid per ga	is of the soil. ime of soil. gal. volume of soil. I. volume of soil.	Recovered: U% Use the following when the Occurs when the spill so * Clay loam = 0.20 gal. I * Gravelly (caliche) loam	(percentage) he liquid completely fills th aked soil is contained by b quid per gal. volume of so = 0.25 gal. liquid per gal. liquid per gal. volume of so	parriers, natural (or n il. volume of soil.	
Liquid holding factor *:		I per gal	* Sar * Gra * Sar	nd = 0.08 g welly (calic ndy clay loa y loam = 0 .	gallon (gal.) liquid :he) loam = 0.14 g am soil = 0.14 gal	per gal. volu gal. liquid per liquid per ga gal. volume	is of the soil. ime of soil. gal. volume of soil. I. volume of soil.	Recovered: U% Use the following when the Occurs when the spill so * Clay loam = 0.20 gal. I * Gravelly (caliche) loam	he liquid completely fills the aked soil is contained by be quid per gal. volume of so a = 0.25 gal. liquid per gal. liquid per gal. volume of so	parriers, natural (or n il. volume of soil.	iot).
	sq		* Sar * Gra * Sar * Clay	nd = 0.08 g welly (calic ndy clay loa y loam = 0 .	gallon (gal.) liquid she) loam = 0.14 g am soil = 0.14 gal .16 gal. liquid per CU.	per gal. volu gal. liquid per liquid per ga gal. volume	is of the soil. me of soil. gal. volume of soil. I. volume of soil. of soil.	Recovered: Use the following when 1 Occurs when the spill so * Clay loam = 0.20 gal. I * Gravelly (caliche) loam * Sandy loam = 0.5 gal. 3,250 sq. ft.	he liquid completely fills the aked soil is contained by to quid per gal. volume of so = 0.25 gal. liquid per gal. liquid per gal. volume of so 27 cu. ft.	parriers, natural (or n il. volume of soil. bil. Cu.	iot).
Total Solid/Liquid Volume: Estimated Volumes	sq Spilled		* Sar * Gra * Sar * Cla Cu. 1	nd = 0.08 g avelly (calic ady clay loa y loam = 0. ft.	gallon (gal.) liquid she) loam = 0.14 g am soil = 0.14 gal .16 gal. liquid per cu. <u>OIL</u>	per gal. volu gal. liquid per liquid per ga gal. volume ft.	is of the soil. me of soil. gal. volume of soil. i. volume of soil. of soil. Total Free Liquid Volume: <u>Estimated Production</u>	Recovered: Use the following when 1 Occurs when the spill so * Clay loam = 0.20 gal. I * Gravelly (caliche) loam * Sandy loam = 0.5 gal. 3,250 sq. ft. n Volumes Lost	he liquid completely fills the aked soil is contained by by quid per gal. volume of so 1 = 0.25 gal. liquid per gal. iquid per gal. volume of so 27 cu. ft. H20	parriers, natural (or n il. volume of soil. bil. Cu. <u>OIL</u>	ot).
Total Solid/Liquid Volume: Estimated Volumes Liquic	sq s <u>Spilled</u> d in Soil: e Liquid:		* Sar * Gra * Sar * Cla Cu. 1 0.0 BBL 4.8 BBL	nd = 0.08 g avelly (calic ndy clay loa y loam = 0. ft.	gallon (gal.) liquid the) loam = 0.14 ga am soil = 0.14 gal .16 gal. liquid per cu. <u>OIL</u> 0.0 BBL 0.0 BBL	per gal. volu gal. liquid per liquid per ga gal. volume ft.	is of the soil. me of soil. gal. volume of soil. I. volume of soil. of soil. Total Free Liquid Volume: <u>Estimated Production</u> Estimated Produ	Recovered: Use the following when t Occurs when the spill so * Clay loam = 0.20 gal. I * Gravelly (caliche) loam * Sandy loam = 0.5 gal. 3,250 sq. ft. h Volumes Lost uction Spilled:	he liquid completely fills the aked soil is contained by to quid per gal. volume of so = 0.25 gal. liquid per gal. liquid per gal. volume of so 27 cu. ft.	parriers, natural (or n il. volume of soil. bil. Cu.	ot).
Total Solid/Liquid Volume: Estimated Volumes Liquic	sq <u>spilled</u> d in Soil:		* Sar * Gra * Sar * Cla Cu. 1 Cu. 1 0.0 BBL	nd = 0.08 g avelly (calic ndy clay loa y loam = 0. ft.	gallon (gal.) liquid she) loam = 0.14 ga am soil = 0.14 gal .16 gal. liquid per Cu. <u>OIL</u> 0.0 BBL	per gal. volu gal. liquid per liquid per ga gal. volume ft.	as of the soil. me of soil. gal. volume of soil. I. volume of soil. of soil. Total Free Liquid Volume: <u>Estimated Production</u> Estimated Produ	Recovered: Use the following when 1 Occurs when the spill so * Clay loam = 0.20 gal. I * Gravelly (caliche) loam * Sandy loam = 0.5 gal. 3,250 sq. ft. h Volumes Lost uction Spilled: ce Damage	he liquid completely fills the aked soil is contained by by quid per gal. volume of so 1 = 0.25 gal. liquid per gal. iquid per gal. volume of so 27 cu. ft. H20	parriers, natural (or n il. volume of soil. bil. Cu. <u>OIL</u>	ot).
Total Solid/Liquid Volume: Estimated Volumes Liquic	sq <u>s Spilled</u> d in Soil: e Liquid: Totals:		* Sar * Gra * Sar * Cla Cu. 1 0.0 BBL 4.8 BBL	nd = 0.08 g avelly (calic ady clay loa y loam = 0. ft.	gallon (gal.) liquid the) loam = 0.14 (am soil = 0.14 gal 16 gal. liquid per cu. <u>OIL</u> 0.0 BBL <u>0.0 BB</u> I	per gal. volu gal. liquid per ga gal. volume ft.	is of the soil. me of soil. gal. volume of soil. I. volume of soil. of soil. Total Free Liquid Volume: <u>Estimated Production</u> Estimated Produ	Recovered: Use the following when 1 Occurs when the spill so * Clay loam = 0.20 gal. I * Gravelly (caliche) loam * Sandy loam = 0.5 gal. 3,250 sq. ft. n Volumes Lost uction Spilled: ce Damage 3,250 sq. ft.	he liquid completely fills the aked soil is contained by by quid per gal. volume of so 1 = 0.25 gal. liquid per gal. iquid per gal. volume of so 27 cu. ft. H20	parriers, natural (or n il. volume of soil. bil. Cu. <u>OIL</u>	ot).
Total Solid/Liquid Volume: Estimated Volumes Liquid Free Total Liquid Spil	sq : <u>Spilled</u> d in Soil: e Liquid: Totals: Il Liquid:		* Sar * Gra * Sar * Cla; Cu. 1 H2O 0.0 BBL 4.8 BBL 4.8 BBL	nd = 0.08 g avelly (calic ady clay loa y loam = 0. ft.	gallon (gal.) liquid the) loam = 0.14 ga am soil = 0.14 gal .16 gal. liquid per cu. <u>OIL</u> 0.0 BBL 0.0 BBL	per gal. volu gal. liquid per ga gal. volume ft.	is of the soil, me of soil. gal. volume of soil. I. volume of soil. of soil. Total Free Liquid Volume: <u>Estimated Production</u> Estimated Produ <u>Estimated Surface</u> Surface Area:	Recovered: Use the following when the Occurs when the spill so * Clay loam = 0.20 gal. I * Gravelly (caliche) loam * Sandy loam = 0.5 gal. 3,250 sq. ft. uction Spilled: ce Damage 3,250 sq. ft. .0746 acre	he liquid completely fills the aked soil is contained by by quid per gal. volume of so 1 = 0.25 gal. liquid per gal. iquid per gal. volume of so 27 cu. ft. H20	parriers, natural (or n il. volume of soil. bil. Cu. <u>OIL</u>	ot).
Total Solid/Liquid Volume: <u>Estimated Volumes</u> Liquid Free Total Liquid Spil <u>Recovered Volu</u>	sq <u>spilled</u> d in Soil: = Liquid: Totals: Il Liquid: mes	ı. ft.	• Sar • Gra • Sar • Clav c.Lav c.Lav c.Lav 0.0 BBL 4.8 BBL 4.8 BBL 4.8 BBL	nd = 0.08 g vvelly (calid dy clay loc y loam = 0. ft.	gallon (gal.) liquid the) loam = 0.14 (am soil = 0.14 gal 16 gal. liquid per Cu. <u>OIL</u> 0.0 BBL 0.0 BBL 0.0 BBI 0.0 BBI	per gal. volu gal. liquid per ga gal. volume ft.	is of the soil. me of soil. gal. volume of soil. I. volume of soil. Total Free Liquid Volume: <u>Estimated Production</u> Estimated Produ <u>Estimated Surface Area:</u> Surface Area: Surface Area:	Recovered: Use the following when 1 Occurs when the spill so * Clay loam = 0.20 gal. I * Gravelly (caliche) loar * Sandy loam = 0.5 gal. 3,250 sq. ft. n Volumes Lost uction Spilled: ce Damage 3,250 sq. ft. .0746 acre and Volumes	he liquid completely fills the aked soil is contained by to quid per gal. volume of so = 0.25 gal. liquid per gal. liquid per gal. volume of so 27 cu. ft. <u>H20</u> 0.0 BBL	parriers, natural (or n il. volume of soil. jil. Cu. <u>OIL</u> 0.0 BBI	ft.
Total Solid/Liquid Volume: Estimated Volumes Liquid Free Total Liquid Spil	sq : <u>Spilled</u> d in Soil: e Liquid: Totals: Il Liquid:]. ft.	• Sar • Gra • Sar • Clav cu. 1 • Clav cu. 1 • Clav 0.0 BBL <u>4.8 BBL</u> 4.8 BBL 4.8 BBL	nd = 0.08 g avelly (calid ady clay loa y loam = 0. ft.	gallon (gal.) liquid the) loam = 0.14 g am soil = 0.14 gal 16 gal. liquid per Cu. 0.0 BBL 0.0 BBL 0.0 BBL 0.0 BBL	per gal. volu gal. liquid per ga gal. volume ft.	is of the soil, me of soil. gal. volume of soil. I. volume of soil. of soil. Total Free Liquid Volume: <u>Estimated Production</u> Estimated Produ <u>Estimated Surface</u> Surface Area:	Recovered: Use the following when the Occurs when the spill so * Clay loam = 0.20 gal. I * Gravelly (caliche) loam * Sandy loam = 0.5 gal. 3,250 sq. ft. uction Spilled: ce Damage 3,250 sq. ft. .0746 acre	he liquid completely fills the aked soil is contained by by quid per gal. volume of so 1 = 0.25 gal. liquid per gal. iquid per gal. volume of so 27 cu. ft. H20	parriers, natural (or n il. volume of soil. jil. Cu. <u>OIL</u> 0.0 BBI	ot). ft. L
Total Solid/Liquid Volume: <u>Estimated Volumes</u> Liquic Free Total Liquid Spil <u>Recovered Volu</u> Estimated oil recovered:	sq spilled d in Soil: e Liquid: Totals: Il Liquid: mes BE]. ft.	• Sar • Gra • Sar • Clav cu. 1 • Clav cu. 1 • Clav 0.0 BBL <u>4.8 BBL</u> 4.8 BBL 4.8 BBL	nd = 0.08 g vvelly (calid dy clay loc y loam = 0. ft.	gallon (gal.) liquid the) loam = 0.14 g am soil = 0.14 gal 16 gal. liquid per Cu. 0.0 BBL 0.0 BBL 0.0 BBL 0.0 BBL	per gal. volu gal. liquid per ga gal. volume ft.	is of the soil. me of soil. gal. volume of soil. i. volume of soil. Total Free Liquid Volume: <u>Estimated Production</u> Estimated Produ <u>Estimated Surface Area:</u> Surface Area: Surface Area: Surf	Recovered: Use the following when 1 Occurs when the spill so * Clay loam = 0.20 gal. I * Gravelly (caliche) loam * Sandy loam = 0.5 gal. 3,250 sq. ft. n Volumes Lost uction Spilled: ce Damage 3,250 sq. ft. .0746 acre and Volumes Ibs	he liquid completely fills the aked soil is contained by to quid per gal. volume of so is 0.25 gal. liquid per gal. tiquid per gal. volume of so 27 cu. ft. <u>H20</u> 0.0 BBL	parriers, natural (or n il. volume of soil. jil. Cu. OIL 0.0 BBI	ot). ft. L
Total Solid/Liquid Volume: <u>Estimated Volumes</u> Liquic Free Total Liquid Spil <u>Recovered Volu</u> Estimated oil recovered: Estimated water recovered: <u>Air Emission from flow</u>	sq spilled d in Soil: e Liquid: Totals: Il Liquid: mes BE BE]. ft. 3L 3L	• Sar • Gra • Sar • Clav cu. 1 • Clav cu. 1 • Clav 0.0 BBL <u>4.8 BBL</u> 4.8 BBL 4.8 BBL	nd = 0.08 g vvelly (calid dy clay loc y loam = 0. ft.	gallon (gal.) liquid the) loam = 0.14 g am soil = 0.14 gal 16 gal. liquid per Cu. 0.0 BBL 0.0 BBL 0.0 BBL 0.0 BBL	per gal. volu gal. liquid per ga gal. volume ft.	is of the soil. me of soil. gal. volume of soil. i. volume of soil. Total Free Liquid Volume: <u>Estimated Production</u> Estimated Produ <u>Estimated Surface Area:</u> Surface Area: Surface Area: Surf	Recovered: Use the following when 1 Occurs when the spill so * Clay loam = 0.20 gal. I * Gravelly (caliche) loam * Sandy loam = 0.5 gal. 3,250 sq. ft. n Volumes Lost uction Spilled: ce Damage 3,250 sq. ft. .0746 acre and Volumes bs 5 BBL ng Requirements:	he liquid completely fills the aked soil is contained by to quid per gal. volume of soil = 0.25 gal. liquid per gal. liquid per gal. volume of soil 27 cu. ft. <u>H20</u> 0.0 BBL cu. ft. 203 gallon	parriers, natural (or n il. volume of soil. jil. Cu. OIL 0.0 BBI	ot). ft. L
Total Solid/Liquid Volume: <u>Estimated Volumes</u> Liquic Free Total Liquid Spil <u>Recovered Volu</u> Estimated oil recovered: Estimated water recovered: <u>Air Emission from flow</u> Volume of oil spill:	sq spilled d in Soil: e Liquid: Totals: Il Liquid: mes BE BE Viine leaks: - BE	3L 3L	• Sar • Gra • Sar • Clav cu. 1 • Clav cu. 1 • Clav 0.0 BBL <u>4.8 BBL</u> 4.8 BBL 4.8 BBL	nd = 0.08 g vvelly (calid dy clay loc y loam = 0. ft.	gallon (gal.) liquid the) loam = 0.14 g am soil = 0.14 gal 16 gal. liquid per Cu. 0.0 BBL 0.0 BBL 0.0 BBL 0.0 BBL	per gal. volu gal. liquid per liquid per ga gal. volume ft.	is of the soil. me of soil. gal. volume of soil. i. volume of soil. Total Free Liquid Volume: <u>Estimated Production</u> Estimated Produ <u>Estimated Surfac</u> Surface Area: Surface Area: Surface Area: Surface Area: Surface Area: Surface Area: <u>Estimated Weights.</u> Saturated Soil = Total Liquid =	Recovered: Use Use the following when 1 Occurs when the spill so: * Clay loam = 0.20 gal. 1 * Gravelly (caliche) loam * Gravelly (caliche) loam * Sandy loam = 0.5 gal. 3,250 sq. ft. .0746 uction Spilled: .0746 cc Damage 3,250 sq. ft. .0746 acre and Volumes Ibs 5 BBL	he liquid completely fills the aked soil is contained by to quid per gal. volume of so = 0.25 gal. liquid per gal. tiquid per gal. volume of so 27 cu. ft. <u>H20</u> 0.0 BBL cu. ft. 203 gallon <u>Texas</u>	parriers, natural (or n il. volume of soil. jil. Cu. OIL 0.0 BBI	ot).
Total Solid/Liquid Volume: <u>Estimated Volumes</u> Liquic Free Total Liquid Spil <u>Recovered Volu</u> Estimated oil recovered: <u>Air Emission from flow</u> Volume of oil spill: Separator gas calculated: Separator gas released:	sq 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.]. ft. 3L 3L	• Sar • Gra • Sar • Clav cu. 1 • Clav cu. 1 • Clav 0.0 BBL <u>4.8 BBL</u> 4.8 BBL 4.8 BBL	nd = 0.08 g vvelly (calid dy clay loc y loam = 0. ft.	gallon (gal.) liquid the) loam = 0.14 g am soil = 0.14 gal 16 gal. liquid per Cu. 0.0 BBL 0.0 BBL 0.0 BBL 0.0 BBL	per gal. volu gal. liquid per liquid per ga gal. volume ft.	is of the soil. gal. volume of soil. I. volume of soil. I. volume of soil. Total Free Liquid Volume: <u>Estimated Production</u> Estimated Produ <u>Estimated Surface Area:</u> Surface Area: <u>Surface Area:</u> <u>Estimated Weights.</u> Saturated Soil = Total Liquid =	Recovered: Use the following when the spill so: Vise the following when the spill so: * Clay loam = 0.20 gal. I * Gravelly (caliche) loam * Sandy loam = 0.5 gal. 3,250 sq. ft. 3,250 sq. ft. uction Spilled: .0746 acre and Volumes .0746 acre and Volumes .085 5 BBL ng Requirements: New Mexico	he liquid completely fills the aked soil is contained by to quid per gal. volume of soil = 0.25 gal. liquid per gal. liquid per gal. volume of soil 27 cu. ft. <u>H20</u> 0.0 BBL cu. ft. 203 gallon	parriers, natural (or n il. volume of soil. jil. Cu. OIL 0.0 BBI	ot).
Total Solid/Liquid Volume: <u>Estimated Volumes</u> Liquid Free Total Liquid Spil <u>Recovered Volu</u> Estimated oil recovered: Estimated water recovered: <u>Air Emission from flow</u> Volume of oil spill: Separator gas calculated: Separator gas released from oil:	sq spilled d in Soil: e Liquid: Totals: Il Liquid: mes BE BE BE BE BE BE BE BE BE BE BE BE BE	3L 3L CF	• Sar • Gra • Sar • Clav cu. 1 • Clav cu. 1 • Clav 0.0 BBL <u>4.8 BBL</u> 4.8 BBL 4.8 BBL	nd = 0.08 g vvelly (calid dy clay loc y loam = 0. ft.	gallon (gal.) liquid the) loam = 0.14 g am soil = 0.14 gal 16 gal. liquid per Cu. 0.0 BBL 0.0 BBL 0.0 BBL 0.0 BBL	per gal. volu gal. liquid per liquid per ga gal. volume ft.	as of the soil, me of soil. gal. volume of soil. i. volume of soil. of soil. Total Free Liquid Volume: <u>Estimated Production</u> Estimated Produ <u>Estimated Surface</u> Surface Area: Surface Area: Surface Area: Surface Area: <u>Estimated Weights,</u> Saturated Soil = Total Liquid = <u>Air Emission of Reporti</u> HC gas release reportable?	Recovered: Use the following when the spill so: Vise the following when the spill so: * Clay loam = 0.20 gal. I * Gravelly (caliche) loam * Sandy loam = 0.5 gal. 3,250 sq. ft. 3,250 sq. ft. uction Spilled: ce Damage 3,250 sq. ft. .0746 acre and Volumes lbs 5 BBL .0746 acre	he liquid completely fills the aked soil is contained by the quid per gal. volume of soil iquid per gal. volume of soil 27 cu. ft. <u>H2O</u> 0.0 BBL cu. ft. 203 gallon	parriers, natural (or n il. volume of soil. jil. Cu. OIL 0.0 BBI	ot). ft. L
Total Solid/Liquid Volume: <u>Estimated Volumes</u> Liquic Free Total Liquid Spil <u>Recovered Volu</u> Estimated oil recovered: Estimated water recovered: <u>Air Emission from flow</u> Volume of oil spill: Separator gas calculated: Separator gas released:	sq spilled d in Soil: e Liquid: Totals: Il Liquid: mes BE BE BE BE BE BE BE BE BE BE BE BE BE	3L 3L CF	• Sar • Gra • Sar • Clav cu. 1 • Clav cu. 1 • Clav 0.0 BBL <u>4.8 BBL</u> 4.8 BBL 4.8 BBL	nd = 0.08 g vvelly (calid dy clay loc y loam = 0. ft.	gallon (gal.) liquid the) loam = 0.14 g am soil = 0.14 gal 16 gal. liquid per Cu. 0.0 BBL 0.0 BBL 0.0 BBL 0.0 BBL	per gal. volu gal. liquid per liquid per ga gal. volume ft.	as of the soil, me of soil. gal. volume of soil. i. volume of soil. of soil. Total Free Liquid Volume: <u>Estimated Production</u> Estimated Produ <u>Estimated Surface</u> Surface Area: Surface Area: Surface Area: Surface Area: <u>Estimated Weights,</u> Saturated Soil = Total Liquid = <u>Air Emission of Reporti</u> HC gas release reportable?	Recovered: Use the following when the spill so: Vise the following when the spill so: * Clay loam = 0.20 gal. I * Gravelly (caliche) loam * Sandy loam = 0.5 gal. 3,250 sq. ft. 3,250 sq. ft. uction Spilled: ce Damage 3,250 sq. ft. .0746 acre and Volumes lbs 5 BBL .0746 acre	he liquid completely fills the aked soil is contained by the quid per gal. volume of soil iquid per gal. volume of soil 27 cu. ft. <u>H2O</u> 0.0 BBL cu. ft. 203 gallon	parriers, natural (or n il. volume of soil. jil. Cu. OIL 0.0 BBI	ft. L