Location of spill: Dotal Area Color Col											
Location of spiti. COG - King Tur Federal 1H											
Location of spiti. COG - King Tur Federal 1H											
If the lea/hipil is associated with production equipment, i.e., well-lead, shifting box, flowline, tank battery, production vessel, transfer pump, or storage tank place an "X" here. Input Data:			***** <i>LI</i>	QUID SPILLS	- VOL	JME CALCULATION	NS *****				
If spill volumes from measurement, i.e. metering, tank volumes, etc. are known enter the volumes here: 0.0	Location of spill:		COG - King Tut Federal 1H		Date of Spill:	4-Oct-2	018				
If spill volumes from measurement, i.e. metering, tank volumes, etc. are known enter the volumes here: 0.0			If the leak/spill	is associated with	productio	n equipment, i.e wellhead.	, stuffing box,				
Input Data: If spill volumes from measurement, i.e. melering, tank volumes, etc. are known enter the volumes here. If "Rhown" spill volumes are given, input data for the following "Area Calculations." Total Area Calculations Wet soil Standing Liquid Calculations Total Sorface Area width length depth oil (N) Rectangle Area at 20 in X 20 in X 10 in X 0			•		•						
If spill volumes from measurement, i.e. metering, tank volumes, etc. are known enter the volumes here: 0.0 BL			· · · · · · · · · · · · · · · · · · ·			•					
Total Surface Area Values are given, input data for the following "Area Calculations" is optional. The above will override the calculated volumes. Total Area Calculations					input	Data:	OIL:	WATER:			
Total Surface Area width length wet soil depth oil (%) Standing Liquid Area width length liquid depth oil (%) Rectangle Area #2 20 ft X 200 ft X 1.5 in 0.7 in Rectangle Area #2 20 ft X 200 ft X 1.5 in 0.7 in Rectangle Area #2 0.7 in X 0.7 in X 0.7 in 0.7	If spill vo	lumes from m	easurement, i.e. mete	ring, tank volumes,	etc. are kno	own enter the volumes here:	0.0 BBL	0.0 BBL			
Total Surface Area width length depth	If "known"	spill volume	s are given, input da	ta for the following	g "Area Ca	Iculations" is optional. The	e above will overr	ide the calculated v	olumes.		
Total Surface Area		Total Area	a Calculations				Standing Liqu	id Calculations			
Rectangle Area #1 60 ft X 0 ft X 0 in 0% Rectangle Area #2 0 ft X 0 in 0% Rectangle Area #2 0 ft X 0 in 0% Rectangle Area #3 0 ft X 0 in 0% Rectangle Area #3 0 ft X 0 in 0% Rectangle Area #3 0 ft X 0 in 0% Rectangle Area #3 0 ft X 0 in 0% Rectangle Area #3 0 ft X 0 in 0% Rectangle Area #4 0 ft X 0 in 0% Rectangle Area #4 0 ft X 0 in 0% Rectangle Area #4 0 ft X 0 in 0% Rectangle Area #4 0 ft X 0 in 0% Rectangle Area #4 0 ft X 0 in 0% Rectangle Area #4 0 ft X 0 in 0% Rectangle Area #4 0 ft X 0 in 0% Rectangle Area #4 0 ft X 0 in 0% Rectangle Area #6 0 ft X 0 it X 0 in 0% Rectangle Area #6 0 ft X 0 it X 0 in 0% Rectangle Area #7 0 ft X 0 it X 0 in 0% Rectangle Area #7 0 ft X 0 it X 0 in 0% Rectangle Area #7 0 ft X 0 it X 0 in 0% Rectangle Area #7 0 ft X 0 it X 0 in 0% Rectangle Area #7 0 ft X 0 it X 0 in 0% Rectangle Area #8 0 it X 0 it X 0 in 0% Rectangle Area #7 0 ft X 0 it X 0 in 0% Rectangle Area #7 0 ft X 0 it X 0 in 0% Rectangle Area #7 0 ft X 0 it X 0 in 0% Rectangle Area #8 0 it X 0 it X 0 it X 0 in 0% Rectangle Area #8 0 it X 0 it X 0 it X 0 in 0% Rectangle Area #8 0 it X 0 it X 0 it X 0 in 0% Rectangle Area #8 0 it X 0 it X 0 in 0% Rectangle Area #7 0 it X 0 it X 0 it X 0 in 0% Rectangle Area #8 0 it X 0 it X 0 it X 0 in 0% Rectangle Area #8 0 it X	Total Surface Area	width	length		oil (%)	Standing Liquid Area	width	length	liquid denth	oil (%)	
Rectangle Area #3		60 ft	120 ft	X 1.5 in	0%		0 ft	X 0 ft X	0 in	0%	
Rectangle Area #4											
Rectangle Area #5											
Rectangle Area #7											
Average Daily Production: Oil O BBL Water O BBL O Gas (MCFD) Total Hydrocarbon Content in gas: O'% (percentage) Total Hydrocarbon Content in gas: O'% (percentage) H2S Content in Trank Vapors: O PPM Amount of Free Liquid Recovered: Liquid holding factor *: 0.14 gal per gal Use the following when the spill weeks the spill weeks the arrans of the soil. 'Sand = 0.08 gallon (gal) highigh per gal. volume of soil. 'Sand = 0.08 gallon (gal) highigh per gal. volume of soil. 'Clary logical per gal. volume of soil. 'Clary log											
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Average Daily Production: Oil 0 BBL Water 0 BBL 0 Gas (MCFD) Total Hydrocarbon Content in gas: 099 (percentage) Did leak occur before the separator?: VES N/A (place an "X") H2S Content in Produced Gas: 0 PPM H2S Content in Tank Vapors: 0 PPM PPM H2S Content in Tank Vapors: 0 PPM PPM H2S Content in Tank Vapors: 0 PPM PPM PPM PPM PPM PPM PPM PPM PPM P				-							
Average Daily Production: Oil 0 BBL Water 0 BBL 0 Gas (MCFD) Total Hydrocarbon Content in gas: 0% (percentage) NA (place an "X") H2S Content in Produced Gas: 0 PPM H2S Content in Tank Vapors: 0 PPM H2S Co					0.1						
Total Hydrocarbon Content in gas: 0% (percentage) VES			producti	ion system leak - D	AILY PRO	DUCTION DATA REQUIRE	ס				
Did leak occur before the separator?: YES N/A (place an "X") H2S Content in Produced Gas: H2S Content in Tank Vapors: 0 PPM Amount of Free Liquid Recovered: Liquid holding factor *: 0.14 gal per gal Use the following when the spill wets the grains of the soil. Sandy clay loan soil - 6.14 gal liquid per gal. volume of soil. Sandy clay loan soil - 6.14 gal liquid per gal. volume of soil. Clay loan = 0.16 gal. liquid per gal. volume of soil. Clay loan = 0.16 gal. liquid per gal. volume of soil. Sandy clay loan = 0.16 gal. liquid per gal. volume of soil. Sandy clay loan = 0.16 gal. liquid per gal. volume of soil. Sandy loan = 0.16 gal. liquid per gal. volume of soil. Sandy loan = 0.16 gal. liquid per gal. volume of soil. Sandy loan = 0.16 gal. liquid per gal. volume of soil. Sandy loan = 0.16 gal. liquid per gal. volume of soil. Sandy loan = 0.25 gal. liquid per gal. volume of soil. Sandy loan = 0.25 gal. liquid per gal. volume of soil. Sandy loan = 0.5 gal. liquid pe	Average Daily Production:	Oil 0 B	BL Water 0	BBL 0 Gas	s (MCFD)						
Amount of Free Liquid Recovered: Liquid holding factor *: 0.14 gal per gal			<u></u>	_		Total Hydrocarbon C	ontent in gas: 09	(percentage)			
Amount of Free Liquid Recovered: 0 BBL okay Percentage of Oil in Free Liquid Recovered: 0% (percentage) Liquid holding factor *: 0.14 gal per gal Liquid holding factor *: 0.14 gal per gal volume of soil.	Did leak occur before the sepa	rator?:	YES	N/A (place an "X	(")	H2S Content in Pi	roduced Gas: 0	PPM			
Recovered: U BBL Usay Recovered: Use the following when the spill webs the grains of the soil. Liquid holding factor *: 0.14 gal per gal Liquid holding factor *: 0.14 gal per gal Liquid holding factor *: 0.14 gal per gal Liquid per gal. volume of soil. * Gravelly (caliche) loam = 0.14 gal. liquid per gal. volume of soil. * Gravelly (caliche) loam = 0.14 gal. liquid per gal. volume of soil. * Gravelly (caliche) loam = 0.25 gal. liquid per gal. volume of soil. * Gravelly (caliche) loam = 0.25 gal. liquid per gal. volume of soil. * Gravelly (caliche) loam = 0.25 gal. liquid per gal. volume of soil. * Gravelly (caliche) loam = 0.25 gal. liquid per gal. volume of soil. * Gravelly (caliche) loam = 0.25 gal. liquid per gal. volume of soil. * Gravelly (caliche) loam = 0.25 gal. liquid per gal. volume of soil. * Gravelly (caliche) loam = 0.25 gal. liquid per gal. volume of soil. * Gravelly (caliche) loam = 0.25 gal. liquid per gal. volume of soil. * Gravelly (caliche) loam = 0.25 gal. liquid per gal. volume of soil. * Gravelly (caliche) loam = 0.25 gal. liquid per gal. volume of soil. * Gravelly (caliche) loam = 0.25 gal. liquid per gal. volume of soil. * Gravelly (caliche) loam = 0.25 gal. liquid per gal. volume of soil. * Gravelly (caliche) loam = 0.25 gal. liquid per gal. volume of soil. * Gravelly (caliche) loam = 0.25 gal. liquid per gal. volume of soil. * Gravelly (caliche) loam = 0.25 gal. liquid per gal. volume of soil. * Gravelly (caliche) loam = 0.25 gal. liquid per gal. volume of soil. * Gravelly (caliche) loam = 0.25 gal. liquid per gal. volume of soil. * Gravelly (caliche) loam = 0.25 gal. liquid per gal. volume of soil. * Gravelly (caliche) loam = 0.25 gal. liquid per gal. volume of soil. * Gravelly (caliche) loam = 0.25 gal. liquid per gal. volume of soil. * Gravelly (caliche) loam = 0.25 gal. liquid per gal. volume of soil. * Gravelly (caliche) loam = 0.25 gal. liquid per gal. volume of soil. * Gravelly (caliche) loam = 0.25 gal. liquid per gal. volume of soil. * Gravelly (c						H2S Content in	Tank Vapors: 0	PPM			
* Sand = 0.08 gallon (gal.) liquid per gal. volume of soil. * Gravelly (caliche) loam = 0.14 gal. liquid per gal. volume of soil. * Sandy clay loam soil = 0.14 gal. liquid per gal. volume of soil. * Sandy clay loam = 0.16 gal. liquid per gal. volume of soil. * Clay loam = 0.20 gal. liquid per gal. volume of soil. * Sandy loam = 0.15 gal. liquid per gal. volume of soil. * Sandy loam = 0.50 gal. liquid per gal. volume of soil. * Sanfy loam = 0.50 gal. liquid per gal. vol		0 BBL	O	okay		Percentage of Oil	. (19	(percentage)			
* Gravelly (caliche) loam = 0.14 gal. liquid per gal. volume of soil. * Sandy clay loam soil = 0.14 gal. liquid per gal. volume of soil. * Sandy loam = 0.25 gal. liquid per gal. volume of soil. * Clay loam = 0.25 gal. liquid per gal. volume of soil. * Cave the sandy loam = 0.25 gal. liquid per gal. volume of soil. * Sandy loam = 0.25 gal. liquid per gal. volume	Liquid holding factor *: 0.14 gal per gal Use the following when the spill wets the grains of the soil. Use the following when the liquid completely fills the pore space of the sc								soil:		
* Sandy clay loam soil = 0.14 gal liquid per gal. volume of soil. * Clay loam = 0.25 gal. liquid per gal. volume of soil. * Clay loam = 0.5 gal. liquid per gal. volume of soil. * Sandy loam = 0.5 gal. liquid per gal. vo								sked soil is contained by barriers, natural (or not).			
*Clay loam = 0.16 gal. liquid per gal. volume of soil. *Sandy loam = 0.5 gal. liquid per gal. volume of soil. *Sandy loam = 0.5 gal. liquid per gal. volume of soil. *Sandy loam = 0.5 gal. liquid per gal. volume of soil. *Sandy loam = 0.5 gal. liquid per gal. volume of soil. *Sandy loam = 0.5 gal. liquid per gal. volume of soil. *Sandy loam = 0.5 gal. liquid per gal. volume of soil. *Sandy loam = 0.5 gal. liquid per gal. volume of soil. *Sandy loam = 0.5 gal. liquid per gal. volume of soil. *Cu. ft. cu. ft. cu. ft. *Cu. ft. cu. ft. *Cu. ft. cu. ft. *Sandy loam = 0.5 gal. liquid per gal. volume of soil. *Sandy loam = 0.5 gal. liquid per gal. volume of soil. *Sandy loam = 0.5 gal. liquid per gal. volume of soil. *Estimated Production Volumes Lost *H20 **OIL **OIL **DOI											
Estimated Volumes Spilled Liquid in Soil: 34.1 BBL 0.0 BBL Free Liquid: 0.0 BBL 0.0 BBL Totals: 34.1 BBL 0.0 BBL Totals: 34.1 BBL 0.0 BBL Total Liquid Spill Liquid: 34.1 BBL 0.0 BBL Estimated Surface Damage Surface Area: 12,800 sq. ft. Total Liquid Spill Liquid: 34.1 BBL 0.0 BBL Estimated Weights, and Volumes Estimated Weights, and Volumes Estimated oil recovered: BBL check - okay Check - okay Total Liquid = 34 BBL 1,431 gallon 11,907 lbs Air Emission from flowline leaks: Volume of oil spill: - BBL Separator gas calculated: - MCF Separator gas released: - MCF Gas released from oil: - Ib H2S released: - Ib Total HC gas released: - Ib Total HC gas released: - Ib											
Liquid in Soil: 34.1 BBL 0.0 BBL Estimated Production Spilled: 0.0 BBL 0.0 BBL Totals: 34.1 BBL 0.0 BBL 0.0 BBL Estimated Surface Damage Surface Area: 12,800 sq. ft. Total Liquid Spill Liquid: 34.1 BBL 0.0 BBL Surface Area: 2.938 acre Recovered Volumes Estimated Weights, and Volumes Estimated Weights, and Volumes Estimated water recovered: BBL check - okay Saturated Soil = 153,067 lbs 1,367 cu. ft. 51 cu. yds. Total Liquid = 34 BBL 1,431 gallon 11,907 lbs Air Emission from flowline leaks: Volume of oil spill: - BBL Separator gas calculated: - MCF HC gas released from oil - lb H2S release reportable? NO NO Separator gas released: - lb Total HC gas released: - lb Total HC gas released: - lb Total HC gas released: - lb	Total Solid/Liquid Volume:	12,800 sq. ft.	1,367 cu. ft.	cu.	ft.	Total Free Liquid Volume:	sq. f	t. cu. ft.	cu.	ft.	
Liquid in Soil: 34.1 BBL 0.0 BBL Estimated Production Spilled: 0.0 BBL 0.0 BBL Free Liquid: 0.0 BBL 0.0 BBL 0.0 BBL Estimated Surface Damage Surface Area: 12,800 sq. ft. Total Liquid Spill Liquid: 34.1 BBL 0.0 BBL Surface Area: 12,800 sq. ft. Total Liquid Spill Liquid: 34.1 BBL 0.0 BBL Surface Area: 2938 acre Recovered Volumes Estimated Weights, and Volumes Estimated Weights, and Volumes Estimated water recovered: BBL check - okay Saturated Soil = 153,067 lbs 1,367 cu. ft. 51 cu. yds. Total Liquid = 34 BBL 1,431 gallon 11,907 lbs Air Emission from flowline leaks: Volume of oil spill: - BBL Separator gas calculated: - MCF HC gas released from oil - lb H2S released from 0il - lb H2S released: - lb Total HC gas released: - lb Total HC gas released: - lb Total HC gas released: - lb	Estimated Volumes	Spilled				Estimated Production	Volumes Lest				
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Totals: 34.1 BBL 0.0 BBL Estimated Surface Damage Surface Area: 12,800 sq. ft. Total Liquid Spill Liquid: 34.1 BBL 0.0 BBL Surface Area: .2938 acre Recovered Volumes Estimated Weights, and Volumes Estimated Soil = 153,067 lbs 1,367 cu. ft. 51 cu. yds. Estimated water recovered: BBL check - okay Saturated Soil = 153,067 lbs 1,367 cu. ft. 51 cu. yds. Estimated water recovered: BBL check - okay Total Liquid = 34 BBL 1,431 gallon 11,907 lbs Air Emission from flowline leaks: Volume of oil spill: - BBL Separator gas calculated: - MCF Separator gas released: - MCF HC gas release reportable? NO NO Gas released from oil: - lb H2S released: - lb Total HC gas released: - lb Total HC gas released: - lb						Estimated Production Spilled:		0.0 BBL	0.0 BB	0.0 BBL	
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Estimated oil recovered: BBL check - okay check - okay Total Liquid = 153,067 lbs 1,367 cu. ft. 51 cu. yds. Estimated water recovered: BBL check - okay Total Liquid = 34 BBL 1,431 gallon 11,907 lbs Air Emission from flowline leaks: Volume of oil spill: - BBL Separator gas calculated: - MCF HC gas release reportable? NO NO Separator gas released: - MCF HC gas release reportable? NO NO Gas released from oil: - Ib H2S released: - Ib Total HC gas released: - Ib	Total Liquid Spill	Liquid:	34.1 BBL	0.0 BBI	L						
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