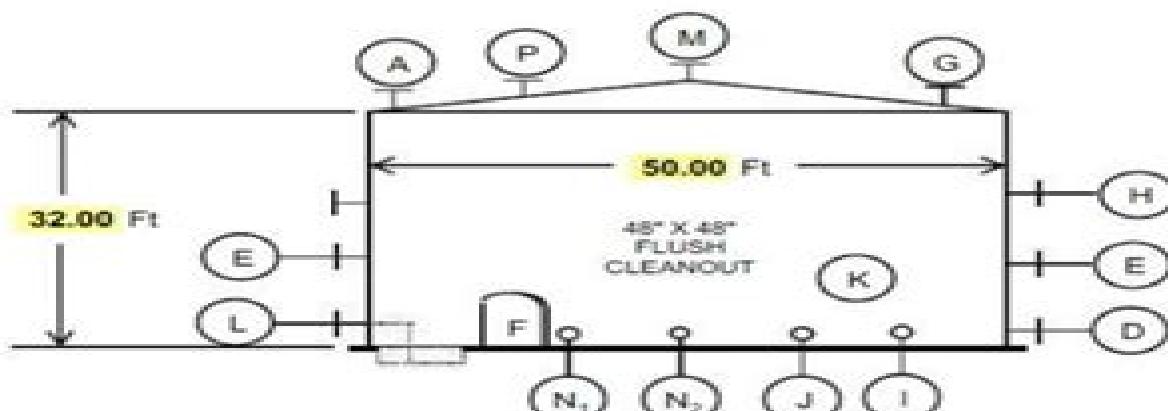


Project No. _____

1952.000

Service :	CRUDE OIL Storage		Equipment No. :	T-400 & T-405
Location :	Unit :		Kirwin	Design Engineer :
Manufacturer :	Model :	Mfr Ref. No. :		No. Req'd. : Two
P&ID No. :	PID115-EPF-01-112A1	Plot Plan No. :		Other Ref. Dwg. No. :



34. Shell Diameter : 50.000 Feet Shell Height : 32.000 Feet Nominal Volume : 31.191 Barrels

Roof Type: **Cone** Bottom Floor Type: **Sloped**

OPERATING THE SIGN DATA

NOZZLES CONNECTIONS

Fluid Stored :	CRUDE OIL	Sp. Gr. :	0.7900	Mark:	Service	Qty	Size	Rating	Face
This Tank Service is considered:	Cyclic			A	Roof Manway	2	24"	150#	F. F.
Vapor Pressure (2) Max. Operating Temperature:	5.5	psia		E	Shell Manway	2	24"	125#	R. F.
Flash Point (Closed Cup):	100°F	Operating	Design	F	Flush Cleanout MW	1	48" x 48"	125#	R. F.
Negative Pressure:	0.00 in. 2	0.00	0.50	G	Stilling Vent	1	6"	125#	F. F.
Positive Pressure:	psig	1.00	2.00	H	Temperature Indicator	1	1"	150#	L. J.
(Hydro)test Pressure expressed in Psig	-----			I	Outlet Nozzle	1	8"	150#	API
Minimum Fluid Temperature:	40°		-25	J	Fill Nozzle	1	10"	150#	L. J.

NETBIOS

Component	Material	CA, in.	Remarks	N1	Sample Tap	1	3/4"	150#	R. F.
Shell & Bottom	57370	0.1250	Normalized	N2	Sample Tap	1	3/4"	150#	F. F.
Roof	F16 Grade 5	0.1250	Normalized	P	Roof Nozzle	1	4"	150#	L. J.
Linings/Coatings				D	Spare	1	2"	150#	API
								150#	API

CONSTRUCTION & INTEGRATION

Code (as appl'd):	API 650 LATEST EDITION			Internals (attach separate sheet, as req'd):		Others:	
Design Specifications:				Sump			
Tank Insulation ?	No	Thickness :	in.	Seismic Zone	3	Design Wind Velocity	100 mph
Insulation Type:	Hot	Radiograph	85 %	Inspection Req'd ?	Yes		
Expansion Joint ?	Yes	Paint Spec.		Empty Tank Weight	in	Full of Water	in

¹⁴ *Phormia regina* (with *Phormia aurata* (L.)) are the commonest two blowflies in Europe (Elliott 1981).

3. Fixed cone roof with internal floating roof

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Yan Bai

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Solar pilot plant, phase 1 Honeywell Inc. Energy Resources Center, United States.

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Interpretations--tank Construction and In-service Inspection ,1997 **Pipeline Rules of Thumb Handbook** M.J.

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Catalog of American national standards. 1994 ,1994 *Technology for the Storage of Hazardous Liquids ,1983*

Design and Analysis of Pressure Vessels, Heat Exchangers, and Piping Components--2004 M. A. Porter,2004

API Recommended Practice American Petroleum Institute. Production Dept,1993 Commission Decision on the Department of Water Resources' Application for Certification for the Bottle Rock Geothermal Project California Energy Commission,1980 USA Standards American National Standards Institute,1977 **Commission Decision on the** **Northern California Power Agency's Application for Certification for Geothermal Project No. 2** California Energy Commission,1980 *Welding Design & Fabrication ,1989* **Catalog of Copyright Entries. Third Series** Library of Congress. Copyright Office,1966

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