

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

REQUEST FOR PERMISSION TO CONNECT WITH PIPE LINE

This request should be SUBMITTED IN TRIPLICATE. See instructions in the Rules and Regulations of the Commission.

Hobbs, New Mexico February 18 1936
Place Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.



Gentlemen:

Permission is requested to connect Shell State "C"
Wells No. 2 in SE 1/4 NE 1/4 of Sec. 24, T. 19-S, R. 36-E, N. M. P. M.
Monument Field, Lea County, with the pipe line of the
Texas Pipe Line Company, Houston, Texas
Pipe Line Co. Address

Status of land (State, Government or privately owned) State

Location of tank battery Center of Lease

Description of tanks 2 Low 500 Bbl. Hanlon Waters 12.6c. API Steel Bolted Tanks

Logs of the above wells were filed with the Oil Conservation Commission Feb. 18, 19 36

All other requirements of the Commission have ~~been~~ been complied with. (Cross out incorrect words.)

Additional information:

Yours truly,

Permission is hereby granted to make pipe line connections requested above.

SHELL PETROLEUM CORPORATION

Owner or Operator

[Handwritten signature]

By _____

Position DIVISION SUPERINTENDENT

Address BOX 996, WINK, TEXAS.

OIL CONSERVATION COMMISSION,

By Frank Vesely

Title Sec.

Date Feb - 20th 1936

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

PHYSICS 311

PROBLEM SET 1

1. A particle of mass m moves in a circular path of radius r with constant speed v .

(a) Find the magnitude of the centripetal acceleration.

(b) Find the magnitude of the centripetal force.

(c) Find the angular velocity ω .

(d) Find the period T of the motion.

(e) Find the frequency f of the motion.

(f) Find the arc length s traveled in time t .

(g) Find the angle θ subtended in time t .

(h) Find the displacement Δs after time t .

(i) Find the average velocity \bar{v} over time t .

(j) Find the average speed \bar{v}_{avg} over time t .

(k) Find the average acceleration \bar{a} over time t .

(l) Find the average force \bar{F} over time t .

(m) Find the average power \bar{P} over time t .

(n) Find the average torque $\bar{\tau}$ over time t .

(o) Find the average angular velocity $\bar{\omega}$ over time t .

(p) Find the average angular acceleration $\bar{\alpha}$ over time t .

(q) Find the average angular displacement $\bar{\theta}$ over time t .

(r) Find the average angular velocity $\bar{\omega}_{avg}$ over time t .

(s) Find the average angular acceleration $\bar{\alpha}_{avg}$ over time t .

(t) Find the average angular displacement $\bar{\theta}_{avg}$ over time t .

(u) Find the average angular velocity $\bar{\omega}_{avg}$ over time t .

(v) Find the average angular acceleration $\bar{\alpha}_{avg}$ over time t .