

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

(Form C-104)  
Revised 7/1/57

REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well  
Recompletion

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Roswell, New Mexico February 19, 1960  
(Place) (Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

Southwestern Hydrocarbon Company Sinclair-Fed., Well No. 1, in NW  $\frac{1}{4}$ , NW  $\frac{1}{4}$ ,  
(Company or Operator) (Lease)

D, Sec. 4, T. 10 S, R. 38 E, NMPM, Undesignated - offset to Sanyar Pool  
(Unit Letter)

Lee

County. Date Spudded 1-25-60 Date Drilling Completed 2-5-60  
Elevation 3931' KB Total Depth 1991' FBTD 1978'

Please indicate location:

|        |   |   |   |
|--------|---|---|---|
| D<br>O | C | B | A |
| E      | F | G | H |
| L      | K | J | I |
| M      | N | O | P |

Top Oil/Gas Pay 1935 Name of Prod. Form. San Andres

PRODUCING INTERVAL -

Perforations 1935-10' and 1911-51'

Open Hole \_\_\_\_\_ Depth \_\_\_\_\_ Casing Shoe 1991' Depth \_\_\_\_\_ Tubing 1951'

OIL WELL TEST -

Natural Prod. Test: None bbls. oil, \_\_\_\_\_ bbls water in \_\_\_\_\_ hrs, \_\_\_\_\_ min. Size \_\_\_\_\_

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of load oil used): 20 bbls. oil, 45 bbls water in 10 hrs, 0 min. Size 1 1/2"

GAS WELL TEST -

Natural Prod. Test: None MCF/Day; Hours flowed \_\_\_\_\_ Choke Size \_\_\_\_\_

Tubing, Casing and Cementing Record

| Size          | Feet         | Sax         |
|---------------|--------------|-------------|
| <u>8-5/8</u>  | <u>374'</u>  | <u>215</u>  |
| <u>4-1/2</u>  | <u>1991'</u> | <u>200</u>  |
| <u>2" EUE</u> | <u>1951'</u> | <u>Hung</u> |

Method of Testing (pitot, back pressure, etc.): \_\_\_\_\_

Test After Acid or Fracture Treatment: TSTH MCF/Day; Hours flowed \_\_\_\_\_

Choke Size 1 1/2" Method of Testing: While swabbing fluid

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): 7500 gallons Dowell XM38 Regular Acid

Casing \_\_\_\_\_ Tubing \_\_\_\_\_ Date first new \_\_\_\_\_  
Press. \_\_\_\_\_ Press. 260 oil run to tanks 2-15-60

Oil Transporter Cactus Petroleum, Inc.

Gas Transporter Sinclair O & G, not yet able to make connections.

Remarks: Well was completed on a 10 hr. swabbing test through a 1 1/2" ck, swabbing 6.5 BFPN, being 36% oil and 70% salt water.

I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved \_\_\_\_\_, 19\_\_\_\_

OIL CONSERVATION COMMISSION

By: \_\_\_\_\_

Title \_\_\_\_\_

Southwestern Hydrocarbon Company  
(Company or Operator)

By: J. A. Sheldon  
(Signature)

Title Geological Consultant

Send Communications regarding well to:

Name J. A. Sheldon

Address P. O. Box 578, Roswell, New Mexico

1. The first part of the paper is devoted to the study of the properties of the function  $f(x)$  defined by the equation

$$f(x) = \int_0^x \frac{1}{1+t^2} dt$$

It is well known that this function is the arctangent function, i.e.,  $f(x) = \arctan x$ . The first part of the paper is devoted to the study of the properties of this function.

The second part of the paper is devoted to the study of the properties of the function  $f(x)$  defined by the equation

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The fourth part of the paper is devoted to the study of the properties of the function  $f(x)$  defined by the equation

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