

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.

Artesia, New Mexico 8-6-59
(Place) (Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:
Ernest A. Hanson, individually, and M.A. Waters, Jr.,
and N.R. Williamson, a partnership, Lerick State Co., Well No. 4, in SE 1/4 NW 1/4,
(Company or Operator) (Lease)

F 15 T 11 R 27 NMPM, Undesignated Pool
Unit Letter

Chaves

County Date Spudded 6-27-59 Date Drilling Completed 6-30-59

Please indicate location:

Elevation 3689' Total Depth 932' PBTD 927'

Top Oil/Gas Pay 853 Name of Prod. Form. Queen Sand

PRODUCING INTERVAL -

Perforations 853-859 867-879 888-905 909-923

Open Hole none Depth Casing Shoe 932 Depth Tubing 840

OIL WELL TEST -

Natural Prod. Test: none bbls. oil, none bbls water in hrs, min. Choke Size

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of load oil used): 37 bbls. oil, 0 bbls water in 24 hrs, min. Choke Size 1/2"

GAS WELL TEST -

Natural Prod. Test: TSTM MCF/Day; Hours flowed Choke Size

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

Test After Acid or Fracture Treatment: TSTM MCF/Day; Hours flowed

Choke Size Method of Testing:

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): 700 Bbls. of oil and 150,000 lbs. of sand

Casing Tubing Date first new Press. 145 Press. 40 oil run to tanks 8-4-59

Oil Transporter Cactus Petroleum Company, Inc.

Gas Transporter

Tubing, Casing and Cementing Record

Size Feet Sax

4 1/2"	932	100

Remarks:

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

Approved Ernest A. Hanson, individually, and M.A. Waters, Jr.,
and N.R. Williamson, a partnership
(Company or Operator)

OIL CONSERVATION COMMISSION

By: W. A. Gessert

Title OIL AND GAS INSPECTOR

By: [Signature]
(Signature)

Title Agent

Send Communications regarding well to:

Name Waters & Williamson

Address Box 144, Artesia, New Mexico.

No. Order No. 100-100000

Figure 1. Schematic representation of the experimental design. The subjects were divided into two groups: the control group and the experimental group. The control group was divided into two subgroups: the control group and the control group. The experimental group was divided into two subgroups: the experimental group and the experimental group.

10. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Lichtenthaler (1987). The total chlorophyll content was determined by the method of Arar and Cook (1980).

1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Lichtenthaler (1987).

1. *Chlorophyll a* (Chl *a*)

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains.

Condition	Control (%)	MCI (%)	AD (%)
A	~85	~75	~65
B	~80	~70	~60
C	~85	~75	~65
D	~80	~70	~60

PAUL C. HARRIS

NEW MEXICO OIL CONSERVATION CO. MISSION
SANTA FE, NEW MEXICO

Form C-110
Revised 7/1/55

(File the original and 4 copies with the appropriate district office)

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

Company or Operator Ernest A. Hanson, individually, and M. A. Waters, Jr.,
and N. H. Williamson, a partnership Lease Levick State C
Well No. 4 Unit Letter F S 15 T 11 R 27 Pool Undesignated
County Chavez Kind of Lease (State, Fed. or Patented) State
If well produces oil or condensate, give location of tanks: Unit F S 15 T 11 R 27
Authorized Transporter of Oil or Condensate Cactus Petroleum Company, Inc.

Address Midland, Texas.
(Give address to which approved copy of this form is to be sent)

Authorized Transporter of Gas None
Address _____

(Give address to which approved copy of this form is to be sent)
If Gas is not being sold, give reasons and also explain its present disposition:
Not enough gas to justify gathering system.

Reasons for Filing: (Please check proper box) New Well _____ (x)
Change in Transporter of (Check One): Oil () Dry Gas () C'head () Condensate ()
Change in Ownership _____ () Other _____ ()
Remarks: _____ (Give explanation below)

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 7th day of August 1959

By Marion Powell

Approved _____ 19 _____

Title Agent

OIL CONSERVATION COMMISSION

Ernest A. Hanson, individually, and M. A. Waters, Jr.,
Company and N. H. Williamson, a partnership

By W. A. Gussitt

Address Box 144, Artesia, New Mexico.

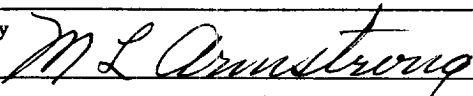
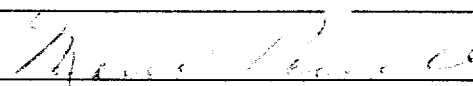
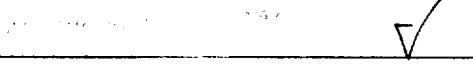
Title _____

NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-103
(Rev 3-55)

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

Name of Company Ernest A. Hanson, individually, & M.A. Waters, Jr., & N.R. Williamson, a partnership					Address Box 144, Artesia, New Mexico		
Lease Levick State C		Well No. 4 ✓	Unit Letter F ✓	Section 15	Township 11	Range 27	
Date Work Performed 6-27-59		Pool Undesignated			County Chaves		
THIS IS A REPORT OF: (Check appropriate block)							
<input type="checkbox"/> Beginning Drilling Operations		<input checked="" type="checkbox"/> Casing Test and Cement Job			<input type="checkbox"/> Other (Explain):		
<input type="checkbox"/> Plugging		<input type="checkbox"/> Remedial Work					
Detailed account of work done, nature and quantity of materials used, and results obtained.							
<p>932 Feet - 4$\frac{1}{2}$" casing new - Cemented with 100 sac Did not circulate - let set at least 72 hours before perforations.</p> <p>From 853 to 859 From 867 to 879 From 888 to 905 From 909 to 923</p>							
Witnessed by N. R. Williamson		Position Toolpusher		Company Waters Drilling Company, Inc.			
FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY							
ORIGINAL WELL DATA							
D F Elev.		T D		P B T D		Producing Interval	
Tubing Diameter		Tubing Depth		Oil String Diameter		Oil String Depth	
Perforated Interval(s)							
Open Hole Interval				Producing Formation(s)			
RESULTS OF WORKOVER							
Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD	
Before Workover							
After Workover							
OIL CONSERVATION COMMISSION				I hereby certify that the information given above is true and complete to the best of my knowledge.			
Approved by 				Name 			
Title 				Position Agent			
Date AUG 17 1959				Company Ernest A. Hanson, individually, & M.A. Waters, Jr., & N.R. Williamson, a partnership			