

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 bbls at 60° Fahrenheit.

Hobbs, New Mexico February 12, 1959

(Place)

(Date)

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

Santiago Oil & Gas Company

State

Well No. 1-20

in NW

1/4 NE

1/4

(Company or Operator)

(Lease)

B

Sec. 30

T. 12S

R. 14E

NMPM.

Midland

Pool

Unit Letter

Laa

Please indicate location

D	C	B	A
E	F	G	H
I	J	K	L
M	N	O	P

County Date Spudded 9/7/58

Date Drilling Completed 2/1/59

elevation 1203' GL

Total Depth 13,103'

PBTD 13,043'

Top Oil/Gas Pay 10,208'

Name of Prod. Form. Sugar Pump

PRODUCING INTERVAL -

Perforations 10,218-10,236; 10,250-10,278 w/2 jet chokes p/r

Open Hole

Depth

Depth

Casing Shoe

Tubing 12,910'

OIL WELL TEST -

Natural Prod. Test: 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): 288 bbls. oil, 0 bbls. water in 24 hrs, min. Size 12/64"

GAS WELL TEST -

based on 48 20 in 4 hrs. Gg 45° Corr-

ODH 475.1

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

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

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

Choke Size Method of Testing:

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and

sand): 3000 gal 15%

Casing Tubing 5000 ft first new

Press. 5000 ft run to tanks 2/12/59

Oil Transporter Service Pipe Line Company

Gas Transporter None at present

Remarks: Production set @ 12,475' Dual string production sucker set at 10,190'

This well has application for dual completion, Pennsylvanian oil and Devonian gas distillate. This form filed for allowable in Pennsylvanian only.

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

Santiago Oil & Gas Company

(Company or Operator)

By:

(Signature)

Title

Production Manager

Send Communications regarding well to:

Name Box 1205 Midland, Texas

Address

OIL CONSERVATION COMMISSION

By:

Title

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NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Form C-110

RENEWED 7/1/55

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

STATE LAND OFFICE
SANTA FE, N.M.

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

FEB 25 AM 10 15

Company or Operator Santiago Oil & Gas Company Lease State
Well No. 1-30 Unit Letter B S 30 T 12 R 34 Pool Wildcat (Pennsylvania)
County Lee Kind of Lease (State, Fed. or Patented) State
If well produces oil or condensate, give location of tanks: Unit B S 30 T 12 R 34
Authorized Transporter of Oil or Condensate Service Pipe Line Company
Address Box 337 Midland, Texas
(Give address to which approved copy of this form is to be sent)
Authorized Transporter of Gas None
Address _____ Date Connected _____
(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:
Being flared at present- when casinghead gas connection is made, new C-110
will be filed.

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)

This form filed for Pennsylvania use only, Gas completion

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

Executed this the 18th day of February 19 50

By Delmar B. Bann
Production Manager

Approved _____ 19 _____

Title _____

OIL CONSERVATION COMMISSION

Company Santiago Oil & Gas Company

By _____

Address Box 337 Midland, Texas

Title _____

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OIL CONSERVATION COMMISSION

PACKER LEAKAGE TEST

RECEIVED 4-1-56
STATE LAND OFFICE
SANTA FE, N. M.

Operator Santiago Oil & Gas Co. Pool (Upper Completion) Pennsylvanian
Lease State Well 1-30 Pool (Lower Completion) Devonian
Location: Unit B, S. 30, T18S, R34E, Lea County, N. M.

Pre-Test Shut-In

	Upper Completion	Lower Completion
Shut-in at (hour, date).....	<u>10:00PM 2-15-59</u>	<u>10:00 PM 2-15-59</u>
Pressure stabilized at (hour, date).....	<u>Not known</u>	<u>Not known</u>
Length of time required to stabilize (hours).....	<u>Not known</u>	<u>Not known</u>

Flow Test No. 1

Test commenced at (hour, date) 7:00 A. M. 2-17-59. Choke size 18/64
Completion producing Penn Completion shut-in Devonian

	Upper Completion	Lower Completion
Stabilized pressure at beginning of test.....	<u>1100</u> psi	<u>3300</u> psi
Maximum pressure during test.....	<u>1100</u> psi	<u>3300</u> psi
Minimum pressure during test.....	<u>400</u> psi	<u>3300</u> psi
Pressure at end of test.....	<u>500</u> psi	<u>3300</u> psi
Maximum pressure change during test.....	<u>700</u> psi	<u>0</u> psi
Oil flow rate during test: <u>288</u> BOPD based on <u>48</u> BO in		<u>4</u> hours.
Gas flow rate during test: <u>137.3</u> MCFPD based on <u>22.9</u> MCF in		<u>4</u> hours.

Mid-Test Shut-In

	Upper Completion	Lower Completion
Shut-in at (hour, date).....	<u>11:00 AM 2-17-59</u>	<u>10:00 PM 2-15-59</u>
Pressure stabilized at (hour, date).....	<u>3:00PM 2-17-59</u>	<u>Not known</u>
Length of time required to stabilize (hours).....	<u>4 hrs</u>	<u>Not known</u>

Flow Test No. 2

Test commenced at (hour, date) 5:00 PM 2-17-59. Choke size 16/64
Completion producing Devonian Completion shut-in Penn

	Upper Completion	Lower Completion
Stabilized pressure at beginning of test.....	<u>1000</u> psi	<u>3300</u> psi
Maximum pressure during test.....	<u>1050</u> psi	<u>3300</u> psi
Minimum pressure during test.....	<u>1000</u> psi	<u>2400</u> psi
Pressure at end of test.....	<u>1050</u> psi	<u>2400</u> psi
Maximum pressure change during test.....	<u>50</u> psi	<u>700</u> psi
Oil flow rate during test: <u>438</u> BOPD based on <u>73**</u> BO in		<u>4</u> hours.
Gas flow rate during test: <u>1,600</u> MCFPD based on <u>266.7</u> MCF in		<u>4</u> hours.

Test performed by John W. West Title Engineer

Witnessed by Delmar Bassett Title Production Supt.

REMARKS: **This reported as if it were oil so far as this form is set up.
Actually the fluid from the Devonian section is a 62 API gravity
condensate or distillate.

NOTE: Recording gauge pressure charts, test data sheet, and a graphic depiction of all phases of the test shall be submitted with this report.

AFFIDAVIT:

I HEREBY CERTIFY that all conditions prescribed by Oil Conservation Commission of the State of New Mexico for this packer leakage test were complied with and carried out in full, and that all dates and facts set forth in this form and all attached material are true and correct.

John W. West For John West Engineering
(Representative of Company Making Test) (Company Making Test)

SWORN TO AND SUBSCRIBED before me this the 19th day of February, 1959, 19

R. E. Madsen
Notary Public in and for the County of Lea
State of New Mexico

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(OVER)

PACKER LEAKAGE TEST

Oil and Gas Conservation Commission

1. At least 24 hours prior to the commencement of the test, the operator shall notify the District Office of the test and submit in writing of the exact time said test is to be commenced.
2. The packer leakage test shall be run with both sides of the completion shut-in. Both sides of the completion shall be shut-in for a sufficient length of time to allow for complete stabilization of the wellhead pressure, and for a minimum of 2 hours thereafter- this minimum of 2 hours shall be indicated on the charts of the pressure recorder and also must appear on the data sheet.
3. For Flow Test No. 1, the side of the completion shall be shut-in with the other side shut-in. The test shall be run until the flowing wellhead pressure has become stabilized and for a minimum of 2 hours thereafter, and shall be at a rate of flow approximating the normal rate of flow for the zone being produced.
4. Following the completion of Flow Test No. 1, the well will again be shut-in, and remain so until the wellhead pressure has again become stabilized and for a minimum of 2 hours thereafter.
5. Flow Test No. 2 shall be run with the previously shut-in side of the dual completion flowing and the flowing side of the completion used in test number 1 remaining shut-in. This test shall be conducted exactly as outlined under Flow Test No. 1, and must be performed even though no leak was indicated by Flow Test No. 1.
6. All pressures, throughout the test, must be continuously measured and recorded with recording pressure gauges.
7. The accuracy of the recording gauges shall be checked at regular intervals throughout the test with a dead weight test gauge, and the readings shall be recorded on the test data sheet provided.
8. For any well on which the wellhead pressure will not stabilize in (24) twenty four hours or less, the minimum shut-in or shut-in time allowed for stabilization shall be (24) twenty-four hours.
9. This form must be completed and filed in duplicate with the District Office of the Oil Conservation Commission within 15 days following the completion of the testing, and must be accompanied by:
 - a. all of the charts, or copies thereof, used on the pressure recorders during the test,
 - b. the test data-sheet (c), or a copy thereof, required under paragraph 7 of these rules,
 - c. a graph reflecting the pressures and their changes, for both sides of the completion over the entire test.
10. This packer leakage test shall be performed upon dual completion of any new wells so approved by the Commission. This test shall also be required each year during the annual GOR test for the wells on which the Commission is so concerned. The Commission may also require this test at any time when it feels that a new test is desirable.

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NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

RECEIVED 6-1-56 AM 10 45

PACKER-SETTING AFFIDAVIT
(Dual Completions)

STATE OF New Mexico)
County of Lea) ss

Delma Baucor, being first duly sworn according to law, upon his oath deposes and says:

That he is of lawful age and has full knowledge of the facts herein below set out.

That he is employed by Santiago Oil & Gas Co. in the capacity of Production Manager and as such is its authorized agent.

That on Feb. 8, 19 59, he personally supervised the setting of a Baker Model K in Santiago Oil & Gas Company's's
(Make and Type of Packer) (Operator)

State Well No. 1-30, located in Unit
(lease)
Letter B, Section 30, Township 12, Range 34, NMPM,
Lea County, New Mexico.

That said packer was set at a subsurface depth of 12,975 feet,
said depth measurement having been furnished by Schlumberger.

That the purpose of setting this packer was to effect a seal in the annular space between the two strings of pipe where the packer was set so as to prevent the comingling, within the well-bore, of fluids produced from a stratum below the packer with fluids produced from a stratum above the packer. That this packer was properly set and that it did, when set, effectively and absolutely seal off the annular space between the two strings of pipe where it was set in such manner as that it prevented any movement of fluids across the packer.

Santiago Oil & Gas Company
(Company)

Delma Baucor
(its Agent)

Subscribed and sworn to before me this the 19th day of Feb., 19 59.

[Signature]
Notary Public in and for the County
of Lea

My Commission Expires 12/30/61.

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NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

RECEIVED

7-3-58

STATE LAND OFFICE
SANTA FE, N. M.

APPLICATION FOR DUAL COMPLETION

Field Name 44444		County Los	Date 2/10/58
Operator Sanitago Oil & Gas Company		Lease State	Well No. 2-20
Location of Well B	Unit 30	Township 12 South	Range 24 East

1. Has the New Mexico Oil Conservation Commission heretofore authorized the dual completion of a well in these same pools or in the same zones within one mile of the subject well? YES ☒ NO ☐
2. If answer is yes, identify one such instance: Order No. _____; Operator, Lease, and Well No.:

3. The following facts are submitted:

	Upper Zone	Lower Zone
a. Name of reservoir	Upper Perm	Devonian
b. Top and Bottom of Pay Section (Perforations)	10,210-10,234; 10,250-10,250	12,077-12,080
c. Type of production (Oil or Gas)	Oil	Gas
d. Method of Production (Flowing or Artificial Lift)	FL	FL

4. The following are attached. (Please mark YES or NO)

- ☒ a. Diagrammatic Sketch of the Dual Completion, showing all casing strings, including size and setting, top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
- ☒ b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
- ☐ c. Waivers consenting to such dual completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application. * **Operators being sent copies by registered mail**
- ☒ d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A.)

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

San Antonio Petroleum Corporation	Box 268, Lubbock, Texas
Texas Pacific Oil and Gas Co.	Box 4707, Midland, Texas
Phillips Petroleum Company	Box 751, Midland, Texas
Amoco Petroleum Corporation	Box 312, Midland, Texas
E. A. Hansen	Box 638, Roswell, New Mexico

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES ☒ NO ☐ . If answer is yes, give date of such notification **2/10/58**

CERTIFICATE: I, the undersigned, state that I am the **Production Manager** of the **Sanitago Oil & Gas Company** (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

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Delma Barrient
Signature

- * Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.
- NOTE: If the proposed dual completion will result in an unorthodox well location and/or a non-standard production unit in either or both of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.