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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 QUADRUPPLICATE 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.

Farmington, New Mexico.....February 27, 1964
(Place) (Date)

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

Pan American Petroleum Corporation-Lillywhite Gas Unit, Well No. 1, in NE 1/4 NW 1/4,
(Company or Operator) (Lease)

Q, Sec. 13, T. 30N, R. 12W, NMPM., Basin Dakota Pool
Unit Letter

San Juan

Please indicate location:

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

County. Date Spudded 1-31-64 Date Drilling Completed 2-9-64
Elevation 5601 (RDB) Total Depth 6594 PBD 6580

Top Gas Pay 6441 Name of Prod. Form. Dakota

PRODUCING INTERVAL - 6515-26, 6554-65 with 2 shots per foot

Perforations 6445-59 with 4 shots per foot.

Open Hole None Depth Casing Shoe 6594 Depth Tubing 6455

OIL WELL TEST -

Natural Prod. Test: bbls. oil, bbls. water in hrs, min. Size Choke

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of Choke load oil used): bbls. oil, bbls. water in hrs, min. Size

GAS WELL TEST -

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

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

Test After Acid or Fracture Treatment: 2010 MCF/Day; Hours flowed 3

Choke Size 3/4" Method of Testing: Pitot Tube

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): 85,600 gallons water and 60,000 pounds sand.

Casing Tubing Date first new Press. 700 Press. 175 oil run to tanks Shut in

Oil Transporter Platons, Incorporated

Gas Transporter El Paso Natural Gas Company

Remarks: Completed February 23, 1964 as Basin Dakota Field Development well.
Copies of Deviation survey are attached.

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

Approved MAR 2 1964, 19

OIL CONSERVATION COMMISSION

By: Original Signed Emery C. Arnold

Title Supervisor Dist. # 2

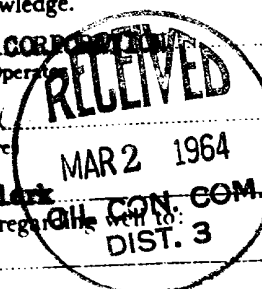
PAN AMERICAN PETROLEUM CORPORATION
Company or Operator

By: (Signature)

Title Administrative Clerk
Send Communications regarding well to:

Name L. O. Spear, Jr.
Box 480

Address Farmington, New Mexico





TABULATION OF DEVIATION TESTS
PAN AMERICAN PETROLEUM CORPORATION
LILLYWHITE GAS UNIT NO. 1

<u>DEPTH</u>	<u>DEVIATIONS</u>
380'	1/4°
1256'	3/4°
1687'	1/4°
2093'	1/4°
2466'	1/4°
2767'	0°
3203'	1°
3518'	1/4°
3769'	1-1/2°
4114'	3/4°
4458'	1°
4765'	1°
5659'	1/4°
5859'	1/2°
6307'	1/2°
6441'	3/4°

A F F I D A V I T

THIS IS TO CERTIFY that to the best of my knowledge the above tabulation details the deviation tests taken on PAN AMERICAN PETROLEUM CORPORATION'S Lillywhite Gas Unit Well No. 1, Basin Dakota Field, located in the NE/4 of NW/4 of Section 13, T-30-N, R-12-W, San Juan County, New Mexico.

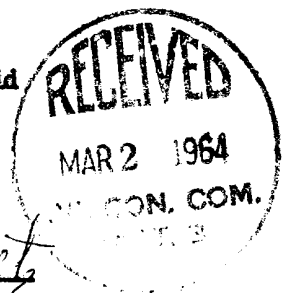
Signed _____
Petroleum Engineer

THE STATE OF NEW MEXICO))
COUNTY OF SAN JUAN) SS.

BEFORE ME, the undersigned authority, on this day personally appeared F. H. Hollingsworth known to me to be Petroleum Engineer for Pan American Petroleum Corporation and to be the person whose name is subscribed to the above statement, who, being by me duly sworn on oath, states that he has knowledge of the facts stated herein and that said statement is true and correct.

SUBSCRIBED AND SWORN TO before me, a Notary Public in and for said County and State this 28th day of February, 1964.

S. K. Niet
Notary Public



My Commission Expires February 27, 1965.

[illegible]

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The concentration of the *Agrobacterium* suspension was 10⁶ cells/ml (a), 10⁷ cells/ml (b), 10⁸ cells/ml (c), 10⁹ cells/ml (d), 10¹⁰ cells/ml (e), 10¹¹ cells/ml (f), 10¹² cells/ml (g), and 10¹³ cells/ml (h). The concentration of the *Agrobacterium* suspension was 10⁶ cells/ml (a), 10⁷ cells/ml (b), 10⁸ cells/ml (c), 10⁹ cells/ml (d), 10¹⁰ cells/ml (e), 10¹¹ cells/ml (f), 10¹² cells/ml (g), and 10¹³ cells/ml (h). The concentration of the *Agrobacterium* suspension was 10⁶ cells/ml (a), 10⁷ cells/ml (b), 10⁸ cells/ml (c), 10⁹ cells/ml (d), 10¹⁰ cells/ml (e), 10¹¹ cells/ml (f), 10¹² cells/ml (g), and 10¹³ cells/ml (h).

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 experimental group. The experimental group was divided into two subgroups: the control group and the experimental group. The control group was divided into two subgroups: the control group and the experimental group. The experimental group was divided into two subgroups: the control group and the experimental group.

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