

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.

Farmington, New Mexico December 30, 1964  
(Place) (Date)

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

PAN AMERICAN PETROLEUM CORP. Gallegos Canyon Unit, Well No. 189, in SW 1/4 NW 1/4,  
(Company or Operator) (Lease)

L, Sec. 36, T. 29N, R. 13W, NMPM, Basin Dakota Pool  
Unit Letter

San Juan

Please indicate location:

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

2480 FNL and 1160 FWL

Tubing, Casing and Cementing Record  
Size Feet S&W

8-5/8"	348	250
4-1/2"	6260	1500
2-3/8"	6160	

County Date Spudded 11-14-64 Date Drilling Completed 11-24-64  
Elevation 5685 (RDB) Total Depth 6260 PBTD 6225

Top Gas Pay 6152 Name of Prod. Form. Dakota

PRODUCING INTERVAL -

Perforations 6172, 6170, 6166, 6162, 6160 3 holes each depth  
Depth 6168

Open Hole None Depth 6260 Casing Shoe 6160 Depth 6160 Tubing

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: 4900 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): 44,352 Gallons Water and 40,000 pounds sand

Casing 900 Tubing 400 Date first new Press. 900 Press. 400 oil run to tanks Shut In

Oil Transporter Plateau Inc.

Gas Transporter El Paso Natural Gas

Remarks: Well completed December 3, 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 JAN 4 1964, 19

OIL CONSERVATION COMMISSION

By:

Title Supervisor Dist # 3

PAN AMERICAN PETROLEUM CORPORATION

ORIGINAL SIGNED BY or Operator)

L. R. Turner

By: (Signature)

Title Administrative Clerk  
Send Communications regarding well to:

Name L. O. Spear, Jr.

Address Box 480, Farmington, New Mexico

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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TABULATION OF DEVIATION TESTS  
PAN AMERICAN PETROLEUM CORPORATION  
Gallegos Canyon Unit-Dakota No. 189

<u>DEPTH</u>	<u>DEVIATION</u>
3571	3/4°
1500	3/4
1915	1
2186	1-1/4
2844	1
3320	1
3542	1/2
4174	1/2
4956	1/2
5275	1/2
5567	1/4
6084	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 test taken on PAN AMERICAN PETROLEUM CORPORATION'S **Gallegos Canyon Unit-Dakota No. 189, Basin Dakota Field, located in the SW/4 NW/4 of Section 36, T-29N, R-13W, San Juan County, New Mexico.**

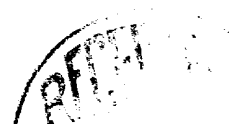
Signed *F. H. Hollingsworth*  
Petroleum Engineer

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 30th day of December, 1964.

*C. K. Tietz*  
Notary Public



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Figure 1. The effect of the concentration of the *Agrobacterium* strain on the transformation efficiency of *Agrobacterium* strain 1024. The concentration of the *Agrobacterium* strain was 10<sup>6</sup> cells/ml (a), 10<sup>7</sup> cells/ml (b), 10<sup>8</sup> cells/ml (c), and 10<sup>9</sup> cells/ml (d). The transformation efficiency was determined by the number of transformants per 10<sup>6</sup> cells of the *Agrobacterium* strain. The data are the mean  $\pm$  SD of three independent experiments.

$\frac{d}{dt} \left( \frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The *Agrobacterium* strains were grown in the YEA medium for 24 h at 28 °C. The cell concentration of the strains was adjusted to 1.0 × 10<sup>8</sup> cells/ml. The cell suspension was then mixed with the plant tissue and the transformation efficiency was determined. The results were expressed as the mean ± SD of three independent experiments.

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