

Santa Fe, New Mexico

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WELL RECORD

[illegible]

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in **QUINTUPLICATE** If State Land submit 6 Copies

AREA 640 ACRES
LOCATE WELL. CORRECTLY.

PAN AMERICAN PETROLEUM CORPORATION

Sammons Gas Unit "C"

(Company or Operator)

(L220)

Well No. 1, in SE ¼ of SW ¼, of Sec. 7, T. 29N, R. 9W, NMPM.

Basin Dakota Pool San Juan County.

Well is 270 feet from South line and 1450 feet from West line

of Section 7 If State Land the Oil and Gas Lease No. is.....

Drilling Commenced July 20, 1964 Drilling was Completed August 5, 1964

Name of Drilling Contractor.....Brinkerhoff Drilling Company.....

Address 870 Denver Club Building, Denver, Colorado

Elevation above sea level at Top of Tubing Head 5802 (RDB)..... The information given is to be kept confidential until
Not Confidential..... 19.....

OIL SANDS OR ZONES

No. 1, from 6606 to 6630 No. 4, from to

No. 2, from 6680 to 6775 No. 5, from.....to.....

No. 3, from.....to..... No. 6, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.

No. 2, from.....to.....feet.


No. 3, from.....to.....feet.

No. 4, from.....to.....feet.

CASING RECORD

| SIZE | WEIGHT PER FOOT | NEW OR USED | AMOUNT | KIND OF SHOE | CUT AND PULLED FROM | PERFORATIONS | PURPOSE |
|--------|-----------------|-------------|--------|--------------|---------------------|--------------|--------------|
| 9-5/8" | 32.3# | New | 289 | Guide | | | Surface |
| 7 " | 23# | New | 5065 | Guide | | | Intermediate |
| 4 1/2" | 10.5# | New | 6844 | Guide | | | Oilstring |

MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHOD USED | MUD GRAVITY | AMOUNT OF MUD USED |
|--------------|----------------|-----------|---------------------|---------------------|-------------|---|
| 12-1/4" | 9-5/8" | 298 | 225 | Halliburton 1 plug | |  |
| 8-3/4" | 7" | 5033 | 375 | Halliburton 2 stage | | |
| 6-1/4" | 4-1/2" | 6800 | 160 | Halliburton 2 plug | | |

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

Perforated 6732-40, 6752-72 with 4 shots per foot. Fracked these perforations with 30,045 gallons water containing 1% calcium chloride, 5 pounds J-13.3 per 1000 gallons and 25,000 pounds sand. No breakdown pressure, average treating 3450 psi. Average injection rate 36 BPM. Bridge plug set at 6720 and tested with 3500 psi. Test ok. Perforated 6683-99 with 4 shots per foot. Fracked these perforations with 32,340 gallons water treated as above and containing 30,000 pounds sand. No breakdown pressure, average treating 3450 psi. Average injection rate 45 BPM. Bridge plug set at 6650 and tested with 3500 psi. Test ok. Perforated 6612-28 ~~Drilled out bridge plug and clean up well.~~ with 4 shots per foot. The perforations were fracked with 31,920 gallons water treated as above and containing 30,000 pounds sand. No breakdown pressure, average treating 3200 psi. Average injection rate 39 BPM. Drilled out bridge plugs and clean up well. Depth Cleaned Out 4715

6785

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

TOOLS USED

Rotary tools were used from 0 feet to 6800 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing Shut In 8/18, 19 64

OIL WELL: The production during the first 24 hours was barrels of liquid of which % was
was oil; % was emulsion; % water; and % was sediment. A.P.I.
Gravity.

GAS WELL: The production during the first 24 hours was 2700 M.C.F. plus barrels of
liquid Hydrocarbon. Shut in Pressure 1975 lbs.

Length of Time Shut in 19 Hours

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico

Northwestern New Mexico

| | | |
|----------------|-----------------|------------------------|
| T. Anhy. | T. Devonian. | T. Ojo Alamo. |
| T. Salt. | T. Silurian. | T. Kirtland-Fruitland. |
| B. Salt. | T. Montoya. | T. Farmington. |
| T. Yates. | T. Simpson. | T. Pictured Cliffs. |
| T. 7 Rivers. | T. McKee. | T. Menefee. |
| T. Queen. | T. Ellenburger. | T. Point Lookout. |
| T. Grayburg. | T. Gr. Wash. | T. Mancos. |
| T. San Andres. | T. Granite. | T. Dakota. |
| T. Glorieta. | T. | T. Morrison. |
| T. Drinkard. | T. | T. Penn. |
| T. Tubbs. | T. | T. |
| T. Abo. | T. | T. |
| T. Penn. | T. | T. |
| T. Miss. | T. | T. |

FORMATION RECORD

| From | To | Thickness in Feet | Formation | From | To | Thickness in Feet | Formation |
|------|------|----------------------|----------------------|------|----|----------------------|-----------|
| 0 | 1700 | 1700 | Surface Sand X Shale | | | | |
| 1700 | 2250 | 550 | Pictured Cliffs | | | | |
| 2250 | 3900 | 1650 | Lewis Shale | | | | |
| 3900 | 4470 | 570 | Mesaverde | | | | |
| 4470 | 5035 | 565 | Mancos | | | | |
| 5035 | 6185 | 1150 | Gallup | | | | |
| 6185 | 6488 | 303 | Base Gallup | | | | |
| 6488 | 6548 | 60 | Greenhorn | | | | |
| 6548 | 6606 | 58 | Graneros Shale | | | | |
| 6606 | 6680 | 74 | Graneros Dakota | | | | |

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Farmington, New Mexico August 25, 1964 (Date)

Company or Operator PAN AMERICAN PETROLEUM CORPORATION, Box 480, Farmington, New Mexico
Name Fred L. Nabors, District Engineer
F. H. HOLLINGSWORTH Position or Title

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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
REGISTRATION

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 August 25, 1964
(Place) (Date)

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

PAN AMERICAN PETR. CORP. Sammons Gas Unit "C" Well No. 1, in SE 1/4 SW 1/4,
(Company or Operator) (Lease)

N 7, Sec. 7, T. 29N, R. 9W, NMPM., Basin Dakota Pool
Unit Letter

San Juan County Date Spudded July 20, 1964 Date Drilling Completed August 5, 1964

Please indicate location:

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

270 FSL and 1450 FNL

(FOOTAGE)

Tubing, Casing and Cementing Record

| Size | Feet | Sax |
|--------|------|-----|
| 9-5/8" | 298 | 225 |
| 7 " | 5033 | 375 |
| 2-3/8" | 6621 | |

Elevation 5802 / RDB Total Depth 6800 PBTD 6785

Top Oil/Gas Pay 6606 Name of Prod. Form. Dakota

PRODUCING INTERVAL - 6732-40, 6752-72 with 4 shots per foot
6683-99 with 4 shots per foot

Perforations 6612-28 with 4 shots per foot

Open Hole None Depth Casing Shoe 6800 Depth Tubing 6620

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): _____ 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: 2700 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) 94,265 gallons water and 85,000 pounds sand

Casing Press. 775 Tubing Press. 225 Date first new oil run to tanks Shut In

Oil Transporter Plateau Inc.

Gas Transporter El Paso Natural Gas Company

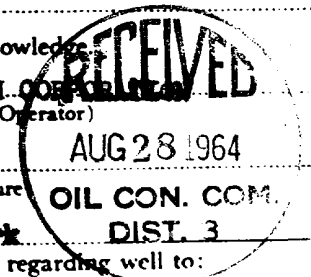
Remarks: Well completed August 18, 1964 as Basin Dakota Field Development Well. Copies of Deviation Survey are attached.

I hereby certify that the information given above is true and complete to the best of my knowledge.
Approved August 25, AUG 28 1964, 1964

OIL CONSERVATION COMMISSION

By: Original Signed Emery C. Arnold
Title Supervisor Dist. # 3

PAN AMERICAN PETROLEUM CORPORATION
ORIGINAL SIGNED BY L. R. Turner
By: _____ (Signature)
Title Administrative Clerk DIST. 3
Send Communications regarding well to:
Name L. O. Speer, Jr.
Box 480 Farmington New Mexico



TABULATION OF DEVIATION TESTS
PAN AMERICAN PETROLEUM CORPORATION
Simmons Gas Unit "C" No. 1

| <u>DEPTH</u> | <u>DEVIATION</u> |
|--------------|------------------|
| 300' | 1/2° |
| 697' | 1/4° |
| 1196' | 1/2° |
| 1513' | 1/2° |
| 1912' | 3/4° |
| 2430' | 1-1/4° |
| 3135' | 1° |
| 3402' | 3/4° |
| 3664' | 1° |
| 3883' | 1° |
| 4090' | 1° |
| 4661' | 1-1/4° |
| 5225' | 1-1/4° |
| 5539' | 2° |
| 5755' | 2° |
| 5973' | 2-1/4° |
| 6185' | 2-1/2° |
| 6375' | 3° |
| 6565' | 3° |

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 **Simmons Gas Unit "C" No. 1, Basin Dakota Field,** located in the **SE 1/4 SW 1/4** of Section 7, T-29N, R-9W, 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 25th day of August, 1964.

C. K. Dietz
Notary Public

My Commission Expires February 27, 1965.

