

OIL CONSERVATION COMMISSION  
1000 Rio Brazos Rd.  
Aztec, New Mexico

DATE 5-21-69

OIL CONSERVATION COMMISSION  
BOX 871  
SANTA FE, NEW MEXICO

RE: Proposed NSP \_\_\_\_\_

Proposed NSL \_\_\_\_\_

Proposed NFO \_\_\_\_\_

Proposed DC ☒ \_\_\_\_\_

Gentlemen:

I have examined the application dated 5-14-69  
for the Pan American Pet. Co. of Texas Apache 102#8 K3-2610-4W  
Operator Lease and Well No. S-T-R

and my recommendations are as follows:

approve  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Yours very truly,

Henry C. Ames  
OIL CONSERVATION COMMISSION

# PAN AMERICAN PETROLEUM CORPORATION

SECURITY LIFE BUILDING  
DENVER, COLORADO 80202

May 14, 1969

File: AMR-1157-986.511

Re: Request for Multiple Completion  
Jicarilla Apache 102 Well No. 8  
Unit K, Section 3, T26N R4W  
Rio Arriba County, New Mexico

Mr. A. L. Porter, Jr. (2)  
Director  
New Mexico Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico

Dear Mr. Porter:

Pan American Petroleum Corporation encloses its Form C-107 requesting multiple completion as a gas-gas dual of its Jicarilla Apache 102 Well No. 8 in the Gallup and Basin Dakota formations.

A request for a waiver has been forwarded to the offset operators, Consolidated Oil and Gas Incorporated and El Paso Natural Gas Company, with the request that each of these interested parties forward their approval or objection directly to your office.

Yours very truly,



Enclosure

cc: New Mexico Oil Conservation Commission - Aztec (2)  
U. S. Geological Survey - Farmington  
Consolidated Oil and Gas Incorporated  
El Paso Natural Gas Company

NEW MEXICO OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

Form C-107  
5-1-61

APPLICATION FOR MULTIPLE COMPLETION

|                                                     |           |                               |                 |                      |
|-----------------------------------------------------|-----------|-------------------------------|-----------------|----------------------|
| Operator<br>Pan American Petroleum Corporation      |           | County<br>Rio Arriba          |                 | Date<br>May 14, 1969 |
| Address<br>Security Life Building, Denver, Colorado |           | Lease<br>Jicarilla Apache 102 |                 | Well No.<br>8        |
| Location of Well                                    | Unit<br>K | Section<br>3                  | Township<br>26N | Range<br>4W          |

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES X NO \_\_\_\_\_ Pan American
2. If answer is yes, identify one such instance: Order No. MC-1798; Operator Lease, and Well No.: Jicarilla Apache 102  
Well No. 9

| 3. The following facts are submitted:                | Upper Zone     | Intermediate Zone | Lower Zone     |
|------------------------------------------------------|----------------|-------------------|----------------|
| a. Name of Pool and Formation                        | Gallup         |                   | Basin Dakota   |
| b. Top and Bottom of Pay Section (Perforations)      | 7372'<br>7384' |                   | 7848'<br>8010' |
| c. Type of production (Oil or Gas)                   | Gas            |                   | Gas            |
| d. Method of Production (Flowing or Artificial Lift) | Flow           |                   | Flow           |

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

- |                                     |                          |                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Yes                                 | No                       |                                                                                                                                                                                                                                                                                                                                                                                                 |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and 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. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 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.                                                                                                                                                                                                         |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*                                                                                                                                                                                                            |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 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.

El Paso Natural Gas Co.; Box 1492, El Paso, Texas 79999

Consolidated Oil and Gas Co., 1860 Lincoln, Denver, Colorado

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES X NO \_\_\_\_\_. If answer is yes, give date of such notification May 14, 1969.

CERTIFICATE: I, the undersigned, state that I am ~~the~~ Sr. Staff Engineer of the Pan American Petroleum Corporation (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.

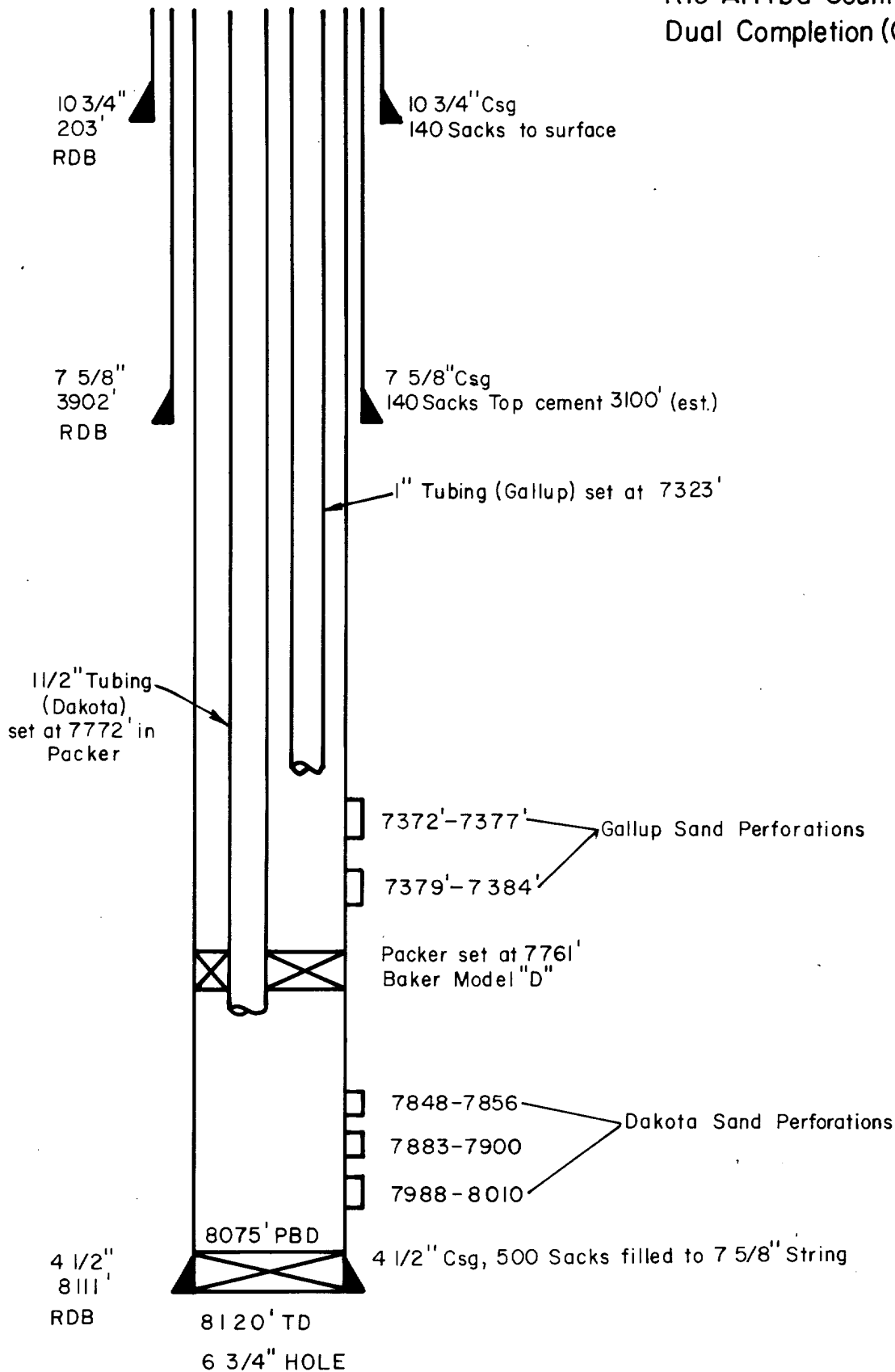
*R B Giles*  
Signature

\*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 multiple completion will result in an unorthodox well location and/or a non-standard perforation unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

PAN AMERICAN PETROLEUM CORPORATION  
JICARILLA APACHE 102 WELL NO. 8  
SEC. 3 , T.26N.- R. 4 W.

Rio Arriba County, New Mexico  
Dual Completion (Gallup-Dakota)



17\*  
223 MCF  
73-58

R 4 W

32

San Juan 27-4 Unit  
EL PASO

7185' \*8  
8496 TD  
8400 PB  
8182 TP/Dak  
8462 MCF  
11-9-61

33

San Juan 27-4 Unit  
EL PASO

7149 KB  
8643 TD  
1629 MCF  
9-9-65

34

El Paso  
San Juan 27-4

7085'  
\*34  
8340 TD  
8302 PB  
8084 TP/Dak  
1183 MCF  
6-3-64

DUAL  
7102'  
\*3  
8230 TD  
8207 PB  
6068 TP/MV  
3700 MCF  
5914 TP/PC  
1730 MCF  
6-21-68

35

CONSOLIDATED OIL & GAS  
1860 LINCOLN  
DENVER, COLORADO

DUAL  
7014'  
1-35'  
8268 TD  
8222 PB  
796 TP/PC  
142 MCF  
7984 TP/Dak  
4056 MCF  
1-21-63

CONSOLIDATED OIL & GAS

Consolidated  
Hoyt

Dual  
\*3  
6383 TD  
6377 PB  
4072 TP/PC  
4476 MCF  
6132 TP/MV  
2558 MCF  
3-30-64

5

Consolidated  
Hoyt

7302'  
\*2  
8515 TD  
8478 PB  
6092 TP/MV  
1493 MCF  
7740 TP/Gall  
4111 TD  
4109 PB  
4030 TP/PC  
F9602 MCF  
5-22-57

1030 TD  
3920 TP/PC  
F2268 MCF  
10-8-58

Carle Apache N  
NW PRODUCTION

Consolidated  
NW Federal

DUAL  
7177'  
\*8  
8355 TD  
8350 PB  
7814 TP/Gall  
392 MCF  
3162 TP/Dak  
2139 MCF  
6-2-64

8

NW PRODUCTION CO.

P.O. BOX 1796  
EL PASO, TEXAS

DUAL  
6824'  
\*8  
7910 TD  
7859 PB  
5156 TP/MV  
F2235 MCF  
7734 TP/Dak  
F1048 MCF  
6-3-57

41.52 Ac 4 1/4 36 Ac 3 1/4 20 Ac 2 1/4 04 Ac

DUAL  
7188'  
\*10  
8375 TD  
8360 PB  
8150 TP/Dak  
1325 MCF  
8-20-65

DUAL  
7241'  
\*5  
8416 TD  
8378 PB  
8193 TP/Dak  
7603 MCF  
8-21-63

DUAL  
7241'  
\*5  
8416 TD  
8378 PB  
8193 TP/Dak  
7603 MCF  
8-21-63

Jicarilla Apache 102-5-19-57  
PI 228185  
4-2-62  
645' 24c  
2567.944c  
Subj. to P/P

DUAL  
7188'  
\*10  
8375 TD  
8360 PB  
8150 TP/Dak  
1325 MCF  
8-20-65

DUAL  
7241'  
\*5  
8416 TD  
8378 PB  
8193 TP/Dak  
7603 MCF  
8-21-63

DUAL  
7241'  
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7603 MCF  
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8360 PB  
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1325 MCF  
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DUAL  
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8416 TD  
8378 PB  
8193 TP/Dak  
7603 MCF  
8-21-63

40.91 Ac 4 1/4 60.77 Ac 3 1/4 64 Ac 2 1/4 50 Ac

DUAL  
7009'  
\*7  
8192 TD  
8150 PB  
7964 TP/Dak  
2482 MCF  
6-12-63

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40.43 Ac 4 1/4 37 Ac 3 1/4 32 Ac 2 1/4 26 Ac

Dual  
6995'  
\*2  
8166 TD  
8110 PB  
7910 TP/Dak  
782 MCF  
5732 TP/PC  
11-19-63

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11-19-63

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6995'  
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8166 TD  
8110 PB  
7910 TP/Dak  
782 MCF  
5732 TP/PC  
11-19-63

PAN AMERICAN PET. CORP.  
LOCATION PLAT  
To Accompany Application for  
DUAL COMPLETION  
Jicarilla Apache 102-Well No. 8

STATE OF NEW MEXICO       )  
                                      )  
COUNTY OF SAN JUAN       )

I, Gene Longacre, being first duly sworn upon  
my oath depose and say as follows:

I am an employee of Baker Oil Tools, Inc., and that on March 1,  
1969, I was called to the location of the Pan American Petroleum Company  
Jicarilla Apache 102 No. 8 Well located in the NE/4 SW/4  
(Well Number)  
of Section 3, Township 26-North, Range 4-West, N.M.P.M., for  
advisory service in connection with installation of a production packer. In  
my presence, a Baker Model "D" Production Packer was set in this well  
at 7761 feet in accordance with the usual practices and customs of  
the industry.

Gene Longacre

Subscribed and sworn to before me, a Notary Public in and for San Juan  
County, New Mexico, the 6th day of May, 19 69.

Betty N. Wayne  
Notary Public in and for San Juan  
County, New Mexico

My commission expires 6-25-72.

# LANE WELLS

A DIVISION OF DRESSER INDUSTRIES, INC.

Gamma Ray / Neutron

|                       |                                      |                |            |
|-----------------------|--------------------------------------|----------------|------------|
| FILE NO.              | COMPANY PAN AMERICAN PETROLEUM CORP. |                |            |
| WELL                  | JICARILLA APACHE 102 N# 8            |                |            |
| FIELD                 | BASIN DAKOTA                         |                |            |
| COUNTY                | RIO ARriba                           | STATE          | NEW MEXICO |
| LOCATION              | 1790 FSL 8 1480 FWL                  | Other Services | NONE       |
| SFC 3                 | TWP 25N                              | RGE 4W         | NONE       |
| Production Datum      | G. L. OR K. B.                       | Elev 6913      | KB 6924    |
| Log Measured from     | K. B.                                | 11             | DI 6923    |
| Dating Measured from  | K. B.                                |                | CI 6913    |
| Date                  | 5-20-63                              |                |            |
| Run No.               | ONE                                  |                |            |
| Type Log              | G/R N/N                              |                |            |
| Depth Diller          | 8120                                 |                |            |
| Depth Layer           | 8120                                 |                |            |
| Bottom Layer          | 8119                                 |                |            |
| Type Logged Interval  | SURFACE                              |                |            |
| Type Fluid in Hole    | DRY                                  |                |            |
| Solvent Ppm Cl        | -                                    |                |            |
| Density Lb/Cu Ft      | -                                    |                |            |
| Level                 | -                                    |                |            |
| Min. For Temp. Dig. F | -                                    |                |            |
| Log Type              | -                                    |                |            |
| Reported by           | BAKER                                |                |            |
| Witnessed by          | MR. BAKER                            |                |            |
| Run                   | From                                 | To             | By         |
| 1                     | 1334                                 | 0              | 203        |
| 2                     | 978                                  | 203            | 758 2640   |
| 3                     | 634                                  | 3905           | 0          |
| 4                     |                                      |                | 203        |
| 5                     |                                      |                | 3905       |
| 6                     |                                      |                | T. D.      |

| Equipment Data   |                              |                  |                              | Neutron          |                              |                  |                              |
|------------------|------------------------------|------------------|------------------------------|------------------|------------------------------|------------------|------------------------------|
| Run No.          | ONE                          | Log Type         | N/N                          | Run No.          | ONE                          | Log Type         | N/N                          |
| Tool Joint No.   | 402                          | Tool Joint No.   | 402                          | Tool Joint No.   | 402                          | Tool Joint No.   | 402                          |
| Depth            | 3.5'                         | Depth            | 3.5'                         | Depth            | 3.5'                         | Depth            | 3.5'                         |
| Depth - Made No. | D6N1                         | Depth - Made No. | D6N1                         | Depth - Made No. | D6N1                         | Depth - Made No. | D6N1                         |
| Tool Joint       | SCINT.                       | Tool Joint       | SCINT.                       | Tool Joint       | SCINT.                       | Tool Joint       | SCINT.                       |
| Source Model No. | 816D5                        | Source Model No. | 816D5                        | Source Model No. | 816D5                        | Source Model No. | 816D5                        |
| Serial No.       | 3546                         | Serial No.       | 3546                         | Serial No.       | 3546                         | Serial No.       | 3546                         |
| Spinning         | 13.5                         | Spinning         | 13.5                         | Spinning         | 13.5                         | Spinning         | 13.5                         |
| Stomper          | 7.0 X 10 <sup>6</sup> N/SEC. | Stomper          | 7.0 X 10 <sup>6</sup> N/SEC. | Stomper          | 7.0 X 10 <sup>6</sup> N/SEC. | Stomper          | 7.0 X 10 <sup>6</sup> N/SEC. |

| Logging Data |                             |         |                | Neutron |                  |                           |  |
|--------------|-----------------------------|---------|----------------|---------|------------------|---------------------------|--|
| Gamma Ray    | API G.R. Units Per Log Div. | TC Sec. | Sens. Settings | Neutron | Zero Div. L or R | API N. Units Per Log Div. |  |
| Gamma Ray    | 20                          | 2.0     | 0.9            | Neutron | 13L              | 150                       |  |
| Gamma Ray    | 20                          | 0.9     | 0.48           | Neutron | 9L               | 125                       |  |

Remarks: \_\_\_\_\_

Reference Literature: \_\_\_\_\_

