

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

OIL CONSERVATION COMMISSION  
BOX 871  
SANTA FE, NEW MEXICO

DATE 10-9-68

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

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

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

Proposed DC ✓

Gentlemen:

I have examined the application dated 9-2-68  
for the Southern Union Prod. Co. Sycamore #19 B-16-26N-4W  
Operator Lease and Well No. S-T-R

and my recommendations are as follows:

Approved  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Yours very truly,

James C. Ames  
OIL CONSERVATION COMMISSION

NEW MEXICO OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO  
APPLICATION FOR MULTIPLE COMPLETION

Form C-107  
5-1-61

Operator <b>SOUTHERN UNION PRODUCTION COMPANY</b>		County <b>RIO ARRIBA</b>	Date <b>9/2/68</b>
Address <b>P. O. Box 808, FARMINGTON, NEW MEXICO</b>		Lease <b>JICARILLA "E"</b>	Well No. <b>9</b>
Location of Well <b>3</b>	Unit <b>16</b>	Township <b>26 NORTH</b>	Range <b>4 WEST</b>

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 \_\_\_\_\_ NO XX
2. If answer is yes, identify one such instance: Order No. \_\_\_\_\_; Operator Lease, and Well No.: \_\_\_\_\_

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	<b>TAPACITO PICTURED CLIFFS</b>		<b>BASIN DAKOTA</b>
b. Top and Bottom of Pay Section (Perforations)	<b>3804 - 3826</b>		<b>7987 - 8174</b>
c. Type of production (Oil or Gas)	<b>GAS</b>		<b>GAS</b>
d. Method of Production (Flowing or Artificial Lift)	<b>FLOWING</b>		<b>FLOWING</b>

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.

**PAN AMERICAN PETROLEUM CORPORATION**

**P. O. Box 509**

**DENVER, COLORADO 80203**

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES XX NO \_\_\_\_\_. If answer is yes, give date of such notification 9/2/68.

CERTIFICATE: I, the undersigned, state that I am the AREA SUPERINTENDENT of the SOUTHERN UNION PRODUCTION 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.

ORIGINAL SIGNED BY  
**B. R. VANDERSLICE**

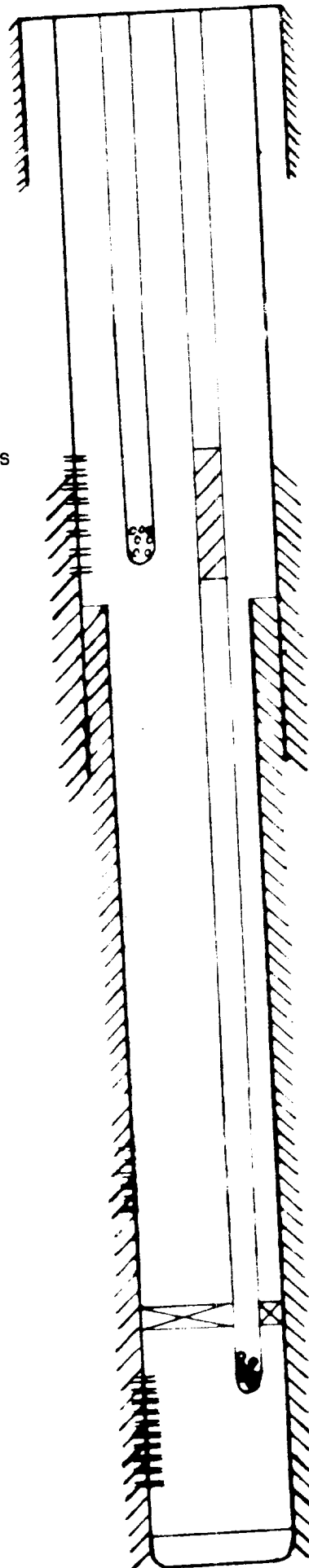
**B. R. VANDERSLICE** Signature

\*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 proration unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

SOUTHERN UNION PRODUCTION COMPANY

SURFACE HOLE SIZE-13-3/4"  
INTERMEDIATE HOLE SIZE -  
9-7/8"  
PRODUCTION HOLE SIZE -  
6-3/4"



PICTURED CLIFFS PERFORATIONS  
3804 - 3826 FT. R.K.B.

LARKIN FIG. 905, 7-5/8"  
CASING CENTRALIZERS RUN  
ON 30 FT. SPACING ON 7-5/8"  
CASING FROM 3734 FT. TO  
4034 FT. R.K.B.

DAKOTA PERFORATIONS  
7987 - 8174 FT. R.K.B.

JICARILLA "E" No. 9  
1135 FT. FROM THE NORTH LINE AND 1605 FT.  
FROM THE EAST LINE OF SECTION 16,  
TOWNSHIP 26 NORTH, RANGE 4 WEST, N.M.P.M.,  
RIO ARriba COUNTY, NEW MEXICO.

BASIN DAKOTA-TAPACITO PICTURED CLIFFS  
DUAL COMPLETION

SURFACE CASING 10-3/4", 32.75#, H-40 SET  
AT 385 FT. R.K.B. CEMENTED TO SURFACE  
WITH 325 SACKS CEMENT.

TOP CEMENT ON 7-5/8" CASING AT 2600  
FEET R.K.B.

1-1/2" INTEGRAL JOINT 2.75#, JCW TBG.  
SET TO PICTURED CLIFFS. LANDED AT  
3810 FT. R.K.B. 2-1/16" OD BAKER BLAST  
JOINTS RUN ACROSS PICTURED CLIFFS  
PERFORATIONS; TOP AT 3789 FT.; BOTTOM  
AT 3829 FT. R.K.B.

TOP LINER ON 4-1/2", 10.50#, J-55  
CSG. AT 3890 FT. R.K.B.

TOP CEMENT ON 4-1/2" LINER AT 3890 FT.  
R.K.B.

INTERMEDIATE CASING: 7-5/8", 26.40#,  
J-55 CASING SET AT 4034 FT. R.K.B.  
CEMENTED WITH 350 CU. FT. CEMENT.

4-1/2" BAKER MODEL "D" PRODUCTION  
PACKER SET AT 7900 FT. R.K.B.

2-3/8", 4.70#, J-55 TBG. SET TO DAKOTA,  
LANDED AT 7904 FT. R.K.B.

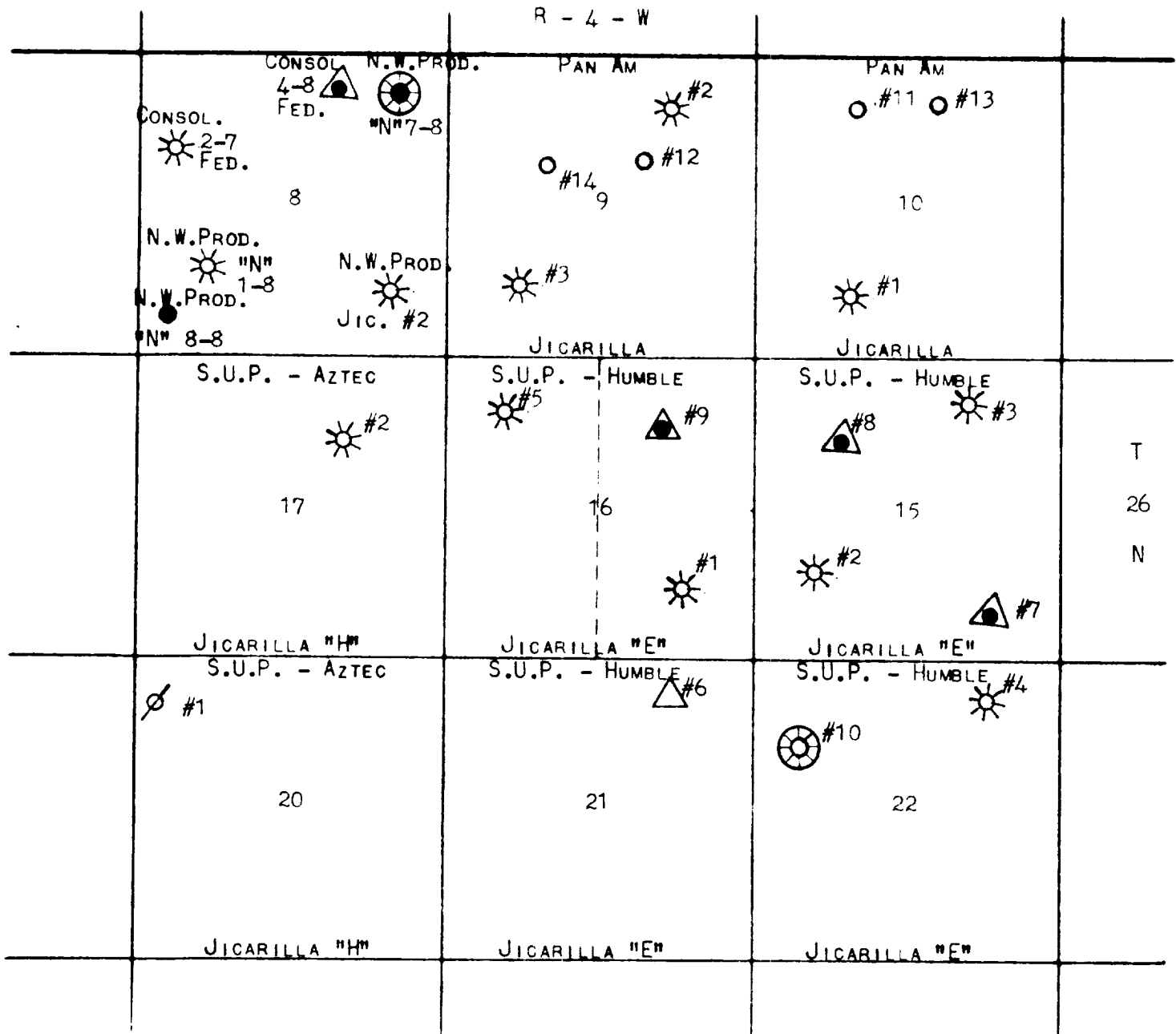
BOTTOM 4-1/2", 10.50#, J-55 LINER AT  
8220 FT. R.K.B. CEMENTED TO TOP OF  
LINER W/900 CU. FT. CEMENT.

P.B.T.D. 8196 FT. R.K.B.  
TOTAL DEPTH 8222 FT. R.K.B.

OFFSET OPERATOR'S PLAT  
TO  
SOUTHERN UNION PRODUCTION COMPANY'S

WELL: JICARILLA "E" No. 9

LOCATION: 1135 FT. FROM NORTH AND 1605 FT. FROM EAST  
SECTION 16, TOWNSHIP 26 NORTH, RANGE 4 WEST  
RIO ARriba COUNTY, NEW MEXICO



- |  |   |  |                                |
|--|---|--|--------------------------------|
|  | PROPOSED DAKOTA-PICTURED CLIFFS DUAL COMPLETION |  | DAKOTA                         |
|  | PLUGGED PICTURED CLIFFS                         |  | GALLUP                         |
|  | PICTURED CLIFFS                                 |  | PICTURED CLIFFS-MESAVERDE DUAL |
|  | DAKOTA-PICTURED CLIFFS DUAL                     |  | MESAVERDE                      |
|  | DAKOTA-GALLUP DUAL                              |  |                                |

NEW MEXICO OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

6-1-56

PACKER-SETTING AFFIDAVIT  
(Dual Completions)

STATE OF NEW MEXICO )  
County of SAN JUAN ) ss

Earl S. Brown, 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 Baker Oil Tools in the capacity of Oil Field Service Engineer and as such is its authorized agent.

That on July 13, 1968, he personally supervised the setting of a Model "D" 4-1/2" in Southern Union Production Company's  
(Make and Type of Packer) (Operator)

Jicarilla "E" Well No. 9, located in Unit  
(lease)  
Letter B, Section 16, Township 26 North, Range 4 West, NMPM,  
Rio Arriba County, New Mexico.

That said packer was set at a subsurface depth of 7900 feet,  
said depth measurement having been furnished by Dresser Atlas.

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 commingling, 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.