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NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

Operator	
SOUTHERN UNION PRODUCTION COMPANY	
Address	
P. O. Box 808, FARMINGTON, NEW MEXICO 87401	
Reason(s) for filing (Check proper box)	
New Well <input checked="" type="checkbox"/>	Change in Transporter of:
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Change in Ownership <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
JICARILLA "D"	12	TAPADITO PICTURED CLIFFS	State, Federal or Fee FEDERAL	CONTRACT 100
Location				
Unit Letter <u>E</u>	1640	Feet From The NORTH Line and 1620	Feet From The WEST	
Line of Section	29	Township 26 NORTH	Range 3 WEST	NMPM, RIO ARRIBA County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
PLATEAU, INC.	FARMINGTON, NEW MEXICO 87401					
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
SOUTHERN UNION GAS COMPANY	1500 FIDELITY UNION TOWER DALLAS, TEXAS ATTN: ROBERT MCCRARY					
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	E	29	26N	3W	No	

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		XX	XX					
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
9/28/73	11/1/73	3850 FT. R.K.B.	3806 FT. R.K.B.					
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
7101 FT. R.K.B.	PICTURED CLIFFS	3765 FT. R.K.B.	3748 FT. R.K.B.					
Perforations						Depth Casing Shoe		
3765 - 3796 FT.						3849 FT.		
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
12-1/4"	8-5/8"	166 FT.	125 SACKS					
7-7/8"	4-1/2"	3849 FT. STAGE COLLAR SET AT 2435 FT.						
1ST STAGE CEMENTED 11/420 CU. FT.		2ND STAGE CEMENTED 11/750 CU. FT.						
1-1/2" E.U.E.		3748 FT.						

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MM	Gravity of Condensate
1972	3 HOURS		
Testing Method (pitot, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size
BACK PRESSURE	813	815	3/4"

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

DAN R. COLLIER (Signature)
OFFICE MANAGER (Title)
November 20, 1973 (Date)

OIL CONSERVATION COMMISSION

APPROVED NOV 27 1973, 19_____
BY Original Signed by A. R. Kendrick
TITLE PETROLEUM ENGINEER DIST. NO. 3

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The number of transformed cells was determined by the number of colonies obtained on the selective medium. The results are the mean of three independent experiments. Error bars represent the standard deviation.

Figure 1 is a line graph illustrating the relationship between the percentage of total effort and the percentage of total catch for different fish species. The x-axis represents the 'Percentage of total effort' from 0 to 100, and the y-axis represents the 'Percentage of total catch' from 0 to 100. The legend identifies five data series: Yellow perch (solid line with circles), Rock bass (dashed line with squares), Rock bass + yellow perch (dotted line with triangles), Rock bass + yellow perch + white perch (dash-dot line with diamonds), and White perch (solid line with crosses). Yellow perch and rock bass show a high catch percentage for low effort percentages, while white perch shows a more linear relationship.