SOUTHERN UNION PRODUCTION COMPANY

COPY

December 27, 1967

New Mexico Oil Conservation Commission P. O. Box 2088 Santa Fe, New Mexico 87501

Attention: Mr. A. L. Porter

Dear Sir:

Enclosed are three (3) copies each of the following forms to cover Southern Union Production Company's Jicarilla "E" No. 8 well located 1190 feet from the North line and 1480 feet from the West line of Section 15, Township 26 North, Range 4 West, N.M.P.M, Rio Arriba County, New Mexico:

- 1. Application for Multiple Completion Form C-107
- 2. Offset Operator's Plat
- 3. Schematic Diagram of Well Completion

Also enclosed is one (1) copy each of the electrical log, Packer-Setting Affidavit and Waiver consenting to multiple completion.

Yours very truly,

SOUTHERN UNION PRODUCTION COMPANY

B. R. Vanderslice Drilling Superintendent

B. B. Humbersheep

BRV:ay Enclosures

cc: Benny E. Bechtol - Exploration
New Mexico Oil Conservation Commission
1000 Rio Brazos Road, Aztec, New Mexico 87410
Humble Oil & Refining Company
P. O. Box 120, Denver, Colorado 80201

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

	DATE / - 2 - C >
OIL CONSERVATION COMMISSION	RE: Proposed NSP
BOX 871 SANTA FE, NEW MEXICO	Proposed NSL_
	Proposed NFO
	Proposed DC
Gentlemen:	
I have examined the application dated	12.27.67
I have examined the application dated for the Southern Wing Production	
Operator Lease and Well No.	S-T-R
and my recommendations are as follows:	
Grenon	
Yours very to	
J J J J J J J J J J J J J J J J J J J	TATE COMMENSATION



Form C-107 5-1-61

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

perator		County	Date	
Southern Union Production	Company	Rio Arriba	12/27/6	7
idress		Lease		
P.O. Box 808, Farmington,		Jicarilla "E"	8 Range	
ocation				
f Well C		26 North	4 Wes	
Has the New Mexico Oil Conservatio			n of a well in these	same poors or in the s
zones within one mile of the subject		NO XX : Operator Lease.	and Wall No .	
If answer is yes, identify one such in	istance: Order No	, Operator Lease,	, and wen 140	
The following facts are submitted:	Upper	Intermediate	•	Lower
	Zone	Zone	·	Zone
a. Name of Pool and Formation	Undesignated Gall	ນາງ	Bes	in Dakota
b. Top and Bottom of	and the second second second			
Pay Section	7168 - 7182	,		7648 - 7834
(Perforations)	7100 4 7102			
c. Type of production (Oil or Gas)	Gas			Gas
d. Method of Production	El andra :			777 and ma
(Flowing or Artificial Lift)	Flowing			Flowing
The following are attached. (Please	check YES or NO)	$(\mathbf{r}_{i}, \mathbf{r}_{i}, r$, , , , i e a a e e e	$(\mathbf{r}_{i},\mathbf{r}_{i})=(\mathbf{r}_{i},\mathbf{r}_{i},\mathbf{r}_{i})$
Yes No	and the second s		the state of the s	
diameters and setting	ers and location thereof, qu depth, location and type o ation of all wells on applic	n, showing all casing strings, in antities used and top of cement of packers and side door chokes, a ant's lease, all offset wells or	nd such other infor	nation as may be pertin
b. Plat showing the loce of operators of all least cors have been furnis d. Electrical log of the dicated thereon. (If s	ers and location thereof, question and type of ation of all wells on applicases offsetting applicant's of such multiple completion shed copies of the application well or other acceptable luch log is not available at	nantities used and top of cement of packers and side door chokes, a cant's lease, all offset wells or lease. If from each offset operator, or intion.* og with tops and bottoms of prothe time application is filed it.	, perforated interval not such other information notified leases, and lieu thereof, evidence oducing zones and shall be submitted	nation as may be pertind the names and addresence that said offset op
b. Plat showing the loce of operators of all least tors have been furnis LX LX b. Plat showing the loce of operators of all least tors have been furnis LX d. Electrical log of the dicated thereon. (If so	ers and location thereof, question and type of ation of all wells on applicases offsetting applicant's of such multiple completion shed copies of the application well or other acceptable luch log is not available at	nantities used and top of cement of packers and side door chokes, a cant's lease, all offset wells or lease. If from each offset operator, or intion.* og with tops and bottoms of prothe time application is filed it.	, perforated interval not such other information notified leases, and lieu thereof, evidence oducing zones and shall be submitted	nation as may be pertind the names and addres ence that said offset op
b. Plat showing the loce of operators of all least tors have been furnis LX LX b. Plat showing the loce of operators of all least tors have been furnis LX d. Electrical log of the dicated thereon. (If so	ers and location thereof, question and type of ation of all wells on applicases offsetting applicant's of such multiple completion shed copies of the application well or other acceptable luch log is not available at	nantities used and top of cement of packers and side door chokes, a cant's lease, all offset wells or lease. If from each offset operator, or intion.* og with tops and bottoms of prothe time application is filed it.	, perforated interval not such other information notified leases, and lieu thereof, evidence oducing zones and shall be submitted	nation as may be pertind the names and addres ence that said offset op
izers and/or turbolized diameters and setting diameters and setting b. Plat showing the locutor of operators of all least cors have been furnishable. List all offset operators to the lease	ers and location thereof, question of all wells on applicases offsetting applicant's osuch multiple completion shed copies of the applicat well or other acceptable luch log is not available at on which this well is located	nantities used and top of cement of packers and side door chokes, a cant's lease, all offset wells or lease. If from each offset operator, or intion.* og with tops and bottoms of prothe time application is filed it.	, perforated interval not such other information notified leases, and lieu thereof, evidence oducing zones and shall be submitted	nation as may be pertind the names and addres ence that said offset op
izers and/or turbolized diameters and setting b. Plat showing the locutor of operators of all less c. Waivers consenting to tors have been furnis d. Electrical log of the dicated thereon. (If so	ers and location thereof, question of all wells on applicases offsetting applicant's osuch multiple completion shed copies of the applicat well or other acceptable luch log is not available at on which this well is located	nantities used and top of cement of packers and side door chokes, a cant's lease, all offset wells or lease. If from each offset operator, or intion.* og with tops and bottoms of prothe time application is filed it.	, perforated interval not such other information notified leases, and lieu thereof, evidence oducing zones and shall be submitted	nation as may be pertind the names and addresence that said offset op
izers and/or turbolized diameters and setting diameters and setting b. Plat showing the locutor of operators of all least tors have been furnished. List all offset operators to the lease Pan American Petroleum Co	ers and location thereof, question of all wells on applicases offsetting applicant's osuch multiple completion shed copies of the applicat well or other acceptable luch log is not available at on which this well is located	nantities used and top of cement of packers and side door chokes, a cant's lease, all offset wells or lease. If from each offset operator, or intion.* og with tops and bottoms of prothe time application is filed it.	, perforated interval not such other information notified leases, and lieu thereof, evidence oducing zones and shall be submitted	nation as may be pertind the names and addres ence that said offset op
izers and/or turbolized diameters and setting diameters and setting b. Plat showing the locitor of operators of all least tors have been furnis d. Electrical log of the dicated thereon. (If so List all offset operators to the lease	ers and location thereof, question of all wells on applicases offsetting applicant's osuch multiple completion shed copies of the applicat well or other acceptable luch log is not available at on which this well is located	nantities used and top of cement of packers and side door chokes, a cant's lease, all offset wells or lease. If from each offset operator, or intion.* og with tops and bottoms of prothe time application is filed it.	perforated interval not such other inform offset leases, and lieu thereof, evidence oducing zones and shall be submitted mailing address.	intervals of perforation as provided by Rule 112
izers and/or turbolized diameters and setting diameters and setting b. Plat showing the locutor of operators of all least consenting to the location of the dicated thereon. (If set all offset operators to the lease	ers and location thereof, question of all wells on applicases offsetting applicant's or such multiple completion shed copies of the applicat well or other acceptable luch log is not available at on which this well is locatory.	nantities used and top of cement of packers and side door chokes, a cant's lease, all offset wells or lease. If from each offset operator, or intion.* og with tops and bottoms of prothe time application is filed it.	perforated interval not such other inform offset leases, and lieu thereof, evidence oducing zones and shall be submitted mailing address.	intervals of perforation as provided by Rule 112
izers and/or turbolized diameters and setting diameters and setting b. Plat showing the location of operators of all least consensations are tors have been furnished. Electrical log of the dicated thereon. (If so List all offset operators to the lease Pan American Petroleum Co	ers and location thereof, question of all wells on applicases offsetting applicant's or such multiple completion shed copies of the applicat well or other acceptable luch log is not available at on which this well is locatory.	nantities used and top of cement of packers and side door chokes, a cant's lease, all offset wells or lease. If from each offset operator, or intion.* og with tops and bottoms of prothe time application is filed it.	perforated interval and such other inform offset leases, and lieu thereof, evidenducing zones and shall be submitted ailing address.	intervals of perforation as provided by Rule 112
izers and/or turbolize diameters and setting diameters and setting b. Plat showing the location of operators of all least consensing to the location of the dicated thereon. (If so List all offset operators to the lease Pan American Petroleum Co	ers and location thereof, question of all wells on applicases offsetting applicant's or such multiple completion shed copies of the applicat well or other acceptable luch log is not available at on which this well is locatory.	nantities used and top of cement of packers and side door chokes, a cant's lease, all offset wells or lease. If from each offset operator, or intion.* og with tops and bottoms of prothe time application is filed it.	perforated interval and such other inform offset leases, and lieu thereof, evidenducing zones and shall be submitted ailing address.	intervals of perforation as provided by Rule 112
izers and/or turbolize diameters and setting diameters and setting b. Plat showing the location of operators of all least consensing to the location of the dicated thereon. (If so List all offset operators to the lease Pan American Petroleum Co	ers and location thereof, question of all wells on applicases offsetting applicant's or such multiple completion shed copies of the applicat well or other acceptable luch log is not available at on which this well is locatory.	nantities used and top of cement of packers and side door chokes, a cant's lease, all offset wells or lease. If from each offset operator, or intion.* og with tops and bottoms of prothe time application is filed it.	perforated interval and such other inform offset leases, and lieu thereof, evidenducing zones and shall be submitted ailing address.	intervals of perforation as provided by Rule 112
izers and/or turbolized diameters and setting diameters and setting b. Plat showing the location of operators of all least tors have been furnished. Electrical log of the dicated thereon. (If so List all offset operators to the lease Pan American Petroleum Co	ers and location thereof, question of all wells on applicases offsetting applicant's or such multiple completion shed copies of the applicat well or other acceptable luch log is not available at on which this well is locatory.	nantities used and top of cement of packers and side door chokes, a cant's lease, all offset wells or lease. If from each offset operator, or intion.* og with tops and bottoms of prothe time application is filed it.	perforated interval and such other inform offset leases, and lieu thereof, evidenducing zones and shall be submitted ailing address.	intervals of perforation as provided by Rule 112
izers and/or turbolized diameters and setting diameters and setting b. Plat showing the location of operators of all least c. Waivers consenting to tors have been furnised. Electrical log of the dicated thereon. (If so List all offset operators to the lease Pan American Petrolaum Co P.O. Box 480 Farmington, New Maxico Education of the lease Petrolaum Co P.O. Box 480	ers and location thereof, question of all wells on applicases offsetting applicant's or such multiple completion shed copies of the applicat well or other acceptable luch log is not available at con which this well is located to the application of the application which this well is located to the application of the application which this well is located to the application appropriation.	inntities used and top of cement of packers and side door chokes, a sant's lease, all offset wells or lease. In from each offset operator, or in tion.* og with tops and bottoms of prothe time application is filed it is ted together with their correct m	perforated interval and such other inform offset leases, and lieu thereof, evidencing zones and shall be submitted mailing address.	intervals of perforation as provided by Rule 11:
izers and/or turbolized diameters and setting diameters and setting b. Plat showing the loce of operators of all lease. Waivers consenting to tors have been furnist. It is all offset operators to the lease. List all offset operators to the lease. Pan American Petroleum Co. P.O. Box 480 Farmington, New Mexico. 8 Were all operators listed in Item 5 a date of such notification. 12	ers and location thereot, question of all wells on applications of setting applicant's or such multiple completions shed copies of the application well or other acceptable luch log is not available at on which this well is location which this well is location.	lantities used and top of cement of packers and side door chokes, a lant's lease, all offset wells or lease. If from each offset operator, or in tion.* og with tops and bottoms of prothe time application is filed it stated together with their correct many the correct many together with their correct many together with the correct many tog	perforated interval and such other inform offset leases, and lieu thereof, evidencing zones and shall be submitted ailing address.	intervals of perforation as provided by Rule 11:
izers and/or turbolized diameters and setting diameters and setting b. Plat showing the location of operators of all least comparations have been furnised. Electrical log of the dicated thereon. (If so List all offset operators to the lease Pan American Petroleum Corp. O. Box 480 Farmington, New Maxico 8 Were all operators listed in Item 5 a date of such notification 12	ers and location thereot, question of all wells on applications of setting applicant's or such multiple completions shed copies of the application well or other acceptable luch log is not available at on which this well is location which this well is location.	lantities used and top of cement of packers and side door chokes, a sant's lease, all offset wells or lease. If from each offset operator, or in tion.* og with tops and bottoms of prothe time application is filed it sated together with their correct method to the time application? Yes a copy of this application? Yes superintendent	of the Southern	intervals of perforation as provided by Rule 11 C 28 1967 CON. CON. If answer is yes,
izers and/or turbolized diameters and setting diameters and setting b. Plat showing the location of operators of all least tors have been furnist. List all offset operators to the lease Pan American Petroleum Co. P.O. Box 480 Were all operators listed in Item 5 a date of such notification 12 CERTIFICATE: I, the undersigned, Company 16	ers and location thereof, question of all wells on applications of setting applicant's or such multiple completions shed copies of the application well or other acceptable luch log is not available at on which this well is location or well or other acceptable at on which this well is location.	lantities used and top of cement of packers and side door chokes, a sant's lease, all offset wells or lease. If from each offset operator, or in tion.* og with tops and bottoms of prothe time application is filed it is ted together with their correct must be a copy of this application? Y Superintendent thorized by said company to mak	of the Southern ethis report; and the report;	intervals of perforation as provided by Rule 11: EC 28 1967 CON. 20 If answer is yes, that this report was prepared as the perforation as the control of
izers and/or turbolized diameters and setting diameters and setting b. Plat showing the loce of operators of all least core have been furnist. List all offset operators to the lease Pan American Petroleum Core. Box 480 Were all operators listed in Item 5 a date of such notification 12 CERTIFICATE: I. the undersigned.	ers and location thereof, question of all wells on applications of setting applicant's or such multiple completions shed copies of the application well or other acceptable luch log is not available at on which this well is location or well or other acceptable at on which this well is location.	lantities used and top of cement of packers and side door chokes, a sant's lease, all offset wells or lease. If from each offset operator, or in tion.* og with tops and bottoms of prothe time application is filed it is ted together with their correct must be a copy of this application? Y Superintendent thorized by said company to mak	of the Southern ethis report; and the report;	intervals of perforation as provided by Rule 11: EC 28 1967 CON. 20 If answer is yes, that this report was prepared as the perforation as the control of

^{*}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.

OFFSET OPERATORIS PLAT SOUTHERN UNION PRODUCTION COMPANY'S

WELL: JICARILLA "E" No. 8

. OCATION: 1190 FT. FROM NORTH LINE &

1480 FT. FROM WEST LINE OF SEC. 15, TOWNSHIP 26 NORTH, RANGE 4 WEST, RIO ARRIBA COUNTY, NEW MEXICO

			,	
1		R - 4 - W	S.U.P AZTEC	
	PAN AM #12 O#14 O#12	PAN AM O#1- 0#13	Consol. Consol. #1 McIntyre #1 Lowe	
	0 _{#14} 0 _{#12}	10	#1 MCINTYRE #1 LOWE	
	滿3	₩ #1	#2 LOWE W 1 #2 H2 W 1 JICARILLA "C" S.U.P AZTEC	
	JICARILLA S.U.P HUMBLE #5	S.U.P. HUMBLE	S.U.P AZTEC	Т
	1ó	1 5	14	26 N
	₩#1	*# _{#2}	#2 #2 #A"	
	JICARILLA "E" S.U.P HUMBLE #6	JICARILLA "E" S.U.P HUMBLE	S.U.P AZTECH#5	
	21	22	23	
	JICARILLA "E"	JICARILLA MEN	JICARILLA MAM	
	JICARILLA "L"			
		Course	COMPLETION	

PROPOSED DAKOTA - GALLUP DUAL COMPLETION

DAKOTA - GALLUP DUAL COMPLETION

DAKOTA

PLUGGED PICTURED CLIFFS

PICTURED CLIFFS

GALLUP

SOUTHERN UNION PRODUCTION COMPANY (DIAGRAMMATIC SKETCH OF DUAL COMPLETION)

Surface Hole Size - 15"
INTERMEDIATE HOLE SIZE - 9-7/8"
PRODUCTION HOLE SIZE - 6-3/4"

Larkin Fig 905, 7-5/8" casing centralizers run on 30 ft. spacing on 7-5/8" casing from 3448 ft. to 3718 ft. R.K.B.

GALLUP PERFORATIONS 7168 FT. - 7182 FT. R.K.B.

DAKOTA PERFORATIONS 7648 FT. - 7834 FT. R.K.B.

WELL: JICARILLA "E" No. 8

LOCATION: 1190 FT. FROM NORTH LINE &

1480 FT. FROM WEST LINE OF Sec. 15, T-26N, R-4W, N.M.P.M. RIO ARRIBA COUNTY, NEW MEXICO.

POOL: BASIN DAKOTA - UNDESIGNATED DAKOTA

DUAL COMPLETION.

Surface Casing: 10-3/4", 32.75#, H-40 set at 324 ft. R.K.B. Cemented to

SURFACE W/250 SACKS CEMENT.

Top cement on 7-5/8 casing at 1330 ft. R.K.B.

Top liner: 5-1/2",15.50#, J-55 csg. at 3578 ft. R.K.B.
Top Cement on 5-1/2" liner at 3578 ft. R.K.B.

INTERMEDIATE CASING: 7-5/8", 26.40#, J-55 SET AT 3718 FT. R.K.B. CEMENTED w/350 cu.ft. cement.

1-1/2" INTEGRAL JOINT, 2.75#, JCW TBG. SET TO GALLUP. LANDED AT 7177 FT. R.K.B.

2-1/16" O.D. Baker Blast Joints run across Gallup perforations. Top at 7160 ft. Bottom at 7190 ft. R.K.B.

1-1/2" E.U.E., 2.90#, JCW TBG. SET TO DAKOTA. LANDED AT 7715 FT. R.K.B.

Baker 5-1/2" Model "D" Production Packer set at 7545 ft. R.K.B.

BOTTOM 5-1/2* 15.50#, J-55 LINER AT 7902 FT. R.K.B. CEMENTED TO TOP OF LINER W/ 675 CU.FT. CEMENT.

P.B.T.D. 7885 FT. R.K.B.

TOTAL DEPTH 7905 FT. R.K.B.