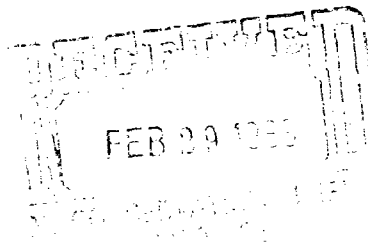




Union Texas Petroleum



375 U.S. Highway 64
Farmington, New Mexico 87401
Telephone (505) 325-3587

February 22, 1988

Mr. William J. LeMay
N. M. Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87501-2088

Re: Jicarilla G #8
1650' FNL; 1650' FEL
Section 2, T26N-R5W
Rio Arriba County, NM

*Base set
for hearing
for May 11, 1988
JIC*
Case 9370

Dear Mr. LeMay:

Union Texas Petroleum Corporation is applying for an administrative downhole commingling order for the referenced well in the Basin Dakota and Blanco Mesaverde fields. The ownership of the zones to be commingled is common. The offset operator is Meridian Oil Company. The Bureau of Land Management and this offset operator will receive notification of this proposed downhole commingling.

A packer leakage test conducted in September 1987 indicated that the two dual producing intervals in the subject well have communicated by either a tubing or packer leak. This well has produced since 1970 and has a producing capacity of only 176 MCF/D from the Dakota and 75 MCF/D from the Mesaverde. The cumulative production is 1368 MMCF and 5719 BO from the Dakota and 904 MMCF and 528 BO from the Mesaverde, as of August 1, 1987. The commingling of the subject well in the twilight of its producing life will result in better producing efficiency. Granting this application will be in the best interest of conservation, the prevention of waste, and the protection of correlative rights.

We plan to commingle this well by pulling both tubing strings and packer seal assembly. The permanent packer will be extracted and a single string of tubing run to the lower producing interval.

The reservoir characteristics of each of the subject zones are such that underground waste would not be caused by the proposed downhole commingling. The fluids from each zone are compatible and no precipitates will be formed to cause damage to either reservoir. The daily production will not exceed the limit of Rule 303c, Section 1a, Part 1. Both fluids have an API oil gravity close to 58°. The shut-in casing pressure for the Mesaverde and Dakota are 919 PSI and 576 PSI, respectively.

NMOCD
February 22, 1988
Page Two

On October 9, 1986 the NMOCD granted the commingling of the Mesa-verde and Dakota intervals in an offset well, Jicarilla G #9 (B Section 1, T26N-R5W). This well has now produced for over a year with no detrimental affects caused by the commingling.

The District Office in Aztec will be notified anytime the commingled well is shut in for seven (7) consecutive days.

Using the well's production from 1986 and 1986, which was before the tubing or packer leak developed, we propose the following production allocation. See the attached calculations.

Mesaverde gas	33%	Dakota gas	67%
Mesaverde oil	22%	Dakota oil	78%

Included with this letter is a plat showing ownership of offsetting leases, a letter to the offset operator, and wellbore diagram.

Yours truly,



P. M. Pippin
Production Engineer

FMP:lmg
attachments

cc: Frank Chavez - OCD

JICARILLA G #8 MV-DK

Allocation Calculation

Mesaverde Production 1985 and 1986 (before tubing leak)
48.4 MMCF 133 BO

Dakota Production 1985 and 1986 (before tubing leak)
99.9 MMCF 476 BO

Total 148.3 MMCF 609 BO

Mesaverde Gas Allocation = $\frac{48.4}{148.3} = 33\%$

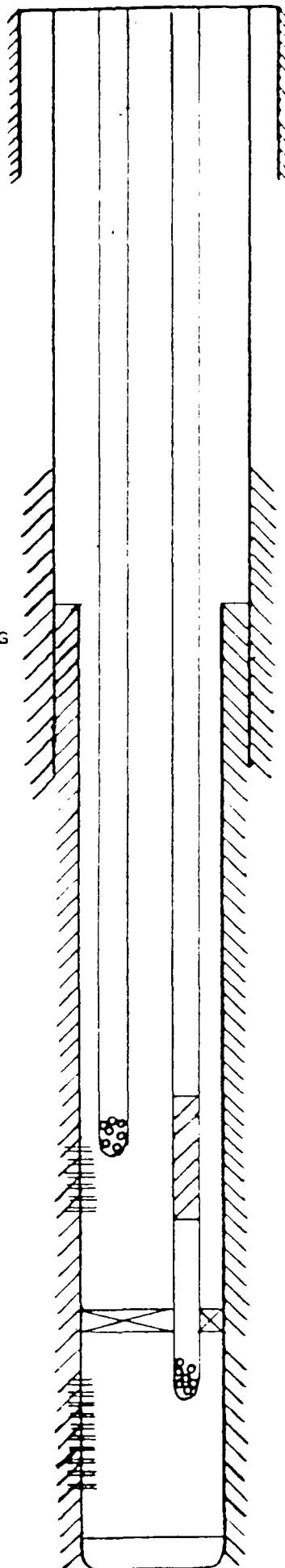
Mesaverde Oil Allocation = $\frac{133}{609} = 22\%$

Dakota Gas Allocation = $\frac{99.9}{145.3} = 67\%$

Dakota Oil Allocation = $\frac{476}{609} = 78\%$

SOUTHERN UNION PRODUCTION COMPANY

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



WELL: JICARILLA "G" No. 8

LOCATION: 1650 FT. FROM NORTH LINE &
1650 FT. FROM EAST LINE OF
SECTION 2, TOWNSHIP 26 NORTH,
RANGE 5 WEST, RIO ARriba.

POOL: BASIN DAKOTA-BLANCO MESAVERDE
DUAL COMPLETION

SURFACE CASING: 10-3/4", 32.75#, H-40 SET
AT 309 FT. R.K.B. CEMENTED TO
SURFACE W/250 SACKS.

TOP CEMENT ON 7-5/8" CASING AT SURFACE.

TOP LINER ON 5 1/2", 15.50#, J-55 CASING AT
3469 FT. R.K.B.

TOP CEMENT ON 5 1/2" LINER AT 3469 FT. RKB.

LARKIN FIG. 905, 7-5/8" CASING
CENTRALIZERS RUN ON 60 FT.
SPACING FROM 3244 FT. TO
3590 FT. R.K.B.

INTERMEDIATE CASING: 7-5/8", 26.40#, K-55,
CASING SET AT 3600 FT. R.K.B.
CEMENTED W/1050 CU. FT. CEMENT.

1 1/2" INTEGRAL JOINT 2.75#, YCO-55 TBG.
SET TO MESAVERDE. LANDED AT 5089
FT. R.K.B.

2-1/16" O.D. BAKER BLAST JOINTS SET
ACROSS MESAVERDE PERFS. TOP AT
5024 FT. BOTTOM AT 5184 FT. RKB.

MESAVERDE PERFORATIONS
5042 FT.
TO
5166 FT.

BAKER 5 1/2" MODEL "D" PRODUCTION PACKER
SET AT 7490 FT. R.K.B.

1 1/2" 2.90#, YCO-55, EUE TUBING SET TO
DAKOTA. LANDED AT 7692 FT. R.K.B.

DAKOTA PERFORATIONS
7596 FT.
TO
7784 FT.

BOTTOM 5 1/2", 15.50#, K-55 LINER AT 7869 FT.
R.K.B. CEMENTED TO TOP OF LINER
W/700 CU. FT. CEMENT.

P.B.T.D. 7833 FT. R.K.B.

TOTAL DEPTH 7870 FT. R.K.B.

UNION TEXAS PETROLEUM CORPORATION

Jicarilla G #8 MV-DK

Mesaverde-Dakota Commingle Application
Rio Arriba County, NM

34	35	36	T 27 N
Meridian	Meridian	Meridian	
3	2	1	T 26 N
	UTPC	UTPC	
10	11	12	
	UTPC	UTPC	

R5W

OIL CONSERVATION DIVISION

P. O. BOX 2088

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

Form C-122-A
Revised 10-1-78WELL DELIVERABILITY TEST REPORT FOR 19 88

WELL NAME <u>B.S. Mesa</u>	WELL SLOPE <u>n = 0.75</u>	FORMATION <u>Gallup</u>	COUNTY <u>Rio Arriba</u>
-------------------------------	-------------------------------	----------------------------	-----------------------------

COMPANY <u>Union Texas Petroleum Corp.</u>			WELL NAME AND NUMBER <u>Juquilla 24' No. 9</u>		
UNIT LETTER <u>B</u>	SECTION <u>1</u>	TOWNSHIP <u>26N</u>	RANGE <u>5W</u>	PURCHASING PIPELINE <u>Gas Co. of N.M.</u>	
CASING O.D. - INCHES <u>7.625</u>	CASING I.D. - INCHES <u>6.950</u>	SET AT DEPTH - FEET <u>4189-8534</u>	TUBING O.D. - INCHES <u>1.900</u>	TUBING I.D. - INCHES <u>1.610</u>	TOP - TUBING DEPT. - FEET <u>8429</u>
SAG PAV. LOSS FROM <u>6312</u> TO <u>8526</u>		WELL PRODUCING TUBING CASING TUBING <u>XX</u>		GAS GRAVITY <u>.675</u>	GRAVITY x LENGTH <u>5690</u>
DATE OF FLOW TEST FROM <u>4/6/88</u> TO <u>4/13/88</u>			DATE SHUT-IN PRESSURE MEASURED <u>4/20/88</u>		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DPR) <u>422</u>	(b) Flowing Tubing Pressure (DPR) <u>312</u>	(c) Flowing Meter Pressure (DPR) <u>308</u>	(d) Flow Chart Static Reading <u>308</u>	(e) Meter Error (Item c - Item d) <u>0</u>	(f) Friction Loss (a - c) or (b - c) <u>+4</u>	(g) Average Meter Pressure (Integr.) <u>372</u>
(h) Corrected Meter Pressure (g + e) <u>372</u>	(i) Avg. Wellhead Press. $P_1 = (h + f)$ <u>376</u>	(j) Shut-in Casing Pressure (DPR) <u>543</u>	(k) Shut-in Tubing Pressure (DPR) <u>617</u>	(l) $P_0 =$ higher value of (j) or (k) <u>617</u>	(m) Del. Pressure $P_d = \frac{40}{247}$ W.P. <u>247</u>	(n) Separator or Dehydrator Pr. (DPR) for critical flow only <u>—</u>

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D <u>112</u>	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ <u>1.000</u>	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ <u>1.000</u>	Corrected Volume <u>Q = 112</u> MCF/D
---	---	--	--

WORKING PRESSURE CALCULATION

$(1 - e^{-x})$ <u>.339</u>	$(P_0 Q_w)^2 (1000)$ <u>3399</u>	$R^2 =$ $(1 - e^{-x}) (P_0 Q_w)^2 (1000)$ <u>1152</u>	P_1^2 <u>141,376</u>	$P_0^2 = P_1^2 + R^2$ <u>142,528</u>	$P_0 = \sqrt{P_0^2}$ <u>378</u>
-------------------------------	-------------------------------------	---	---------------------------	---	------------------------------------

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_1^2 - P_d^2}{P_1^2 - P_0^2} \right]^B$ <u>112</u>	$\left[\frac{(319,680)^2 - (1,3423)^2}{(238,161)^2 - (1,3423)^2} \right] = \frac{1,2470}{1,3423} = \underline{140}$ MCF/D
--	--

REMARKS:

downhole commingled by Order R8321
 Mesquite 3590 = 49 mcf
 Gallup 3390 = 46 mcf
 Dakota 3290 = 45 mcf

SUMMARY

Item h 372 Psia
 P_1 617 Psia
 Q 112 MCF/D
 P_0 378 Psia
 P_d 247 Psia
 D 46 MCF/D

Company Union Texas Petroleum Corp.
 By Barbara Norman 5/10/88
 Title Production Technician
 Witnessed By _____
 Company _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		2. NAME OF OPERATOR Union Texas Petroleum Corporation		3. ADDRESS OF OPERATOR P. O. Box 1290, Farmington, New Mexico 87499		4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1650' FNL; 1650' FEL		5. LEASE DESIGNATION AND SERIAL NO. Contract #150		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Case 9370		7. UNIT AGREEMENT NAME		8. FARM OR LEASE NAME Jicarilla G		9. WELL NO. 8		10. FIELD AND POOL, OR WILDCAT Basin Dakota, Blanco M		11. SEC. T., R., M., OR BLM. AND SURVEY OR AREA Sec. 02, T26N-R5W NMPM		12. COUNTY OR PARISH, 13. STATE Rio Arriba New Mexico	
14. PERMIT NO.		15. ELEVATIONS (Show whether OF, BT, OR, etc.) 6673' D. F.																					

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
(Other)

PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other)

REPAIRING WELL
ALTERING CASING
ABANDONMENT*

Redrill Ground Bed

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The existing ground bed on this location has failed. The ground bed was drilled next to the existing ground bed, as follows:

- 5/28/85: 1. Drill 6-3/4" hole to 60'.
2. Open 6-3/4" hole to 12 1/4" to 60'.
5/29/85: 3. Run 60' of 8" poly pipe in hole.
4. Drill 6-3/4" hole from 60' to 340'.
5/30/85: 9. Logged the hole with an anode and placed 10 anodes across conductive formations.
10. Run 1" poly vent pipe with holes in anode zone to surface.
11. Backfill with coke breeze slurry.

No new ground was disturbed.

RECEIVED
JUN 18 1985
OIL CON. DIV.
DIST. 3

18. I hereby certify that the foregoing is true and correct

SIGNED R. A. Morris

TITLE Drilling Foreman

DATE 6/11/85

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

ACCEPTED FOR RECORD
DATE

JUN 17 1985

*See Instructions on Reverse Side

FARMINGTON RESOURCE AREA

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-104
Revised 10-01-78
Format 06-01-83
Page 1

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

APR 26 1985
OIL CONSERVATION DIVISION
SANTA FE

Union Texas Petroleum Corporation

P. O. Box 1290, Farmington, New Mexico 87499

Reason(s) for filing (Check proper box)

Other (Please explain)

New Well

Recompletion

Change in Ownership

Change in Transportation

☐ Oil

☐ Condensate Gas

☐ Dry Gas

☒ Condensate

Change of ownership give name
address of previous owner

DESCRIPTION OF WELL AND LEASE

Well Name	Well No.	Pool Name, including Formation	Kind of Lease	Federal	Lease No.
Jicarilla "G"	8	Basin Dakota	State, Federal or Fee	Jic.Con.	150

Unit Letter G : 1650 Feet From The North Line and 1650 Feet From The East

Line of Section 2 Township 26N Range 5W NMPM, Rio Arriba County

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Is it 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)
Conoco, Inc. Surface Transportation	P. O. Box 1429, Bloomfield, N.M. 87413
Is it Authorized Transporter of Condensate 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)
Gas Company of New Mexico	P. O. Box 26400, Albuquerque, N.M. 87125

Well produces oil or Gas	Unit	Sec.	Twp.	Range	Is gas actually compressed?	When
Location of records	G	2	26N	5W	Yes	

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

RE: Complete Parts IV and V on reverse side if necessary.

CERTIFICATE OF COMPLIANCE

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

Kenneth E. Roddy
Kenneth E. Roddy (Signature)
Area Production Superintendent

4/26/85

(Title)

(Date)

RECEIVED

APR 26 1985

OIL CON. DIV.
DIST. 3

OIL CONSERVATION DIVISION

APPROVED APR 26 1985

BY Franklin

TITLE SUPERVISOR DISTRICT # 2

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.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

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TRANSPORTER	OIL	/
	GAS	/
OPERATOR		
PRORATION OFFICE		

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

10 1977

I. OPERATOR

Operator
Suprem Energy Corporation

Address
P. O. Box 808, Farmington, New Mexico 87401

Reason(s) for filing (Check proper box)

New Well <input type="checkbox"/>	Change in Transporter of:	Other (Please explain)
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/>	Dry Gas <input checked="" type="checkbox"/> Change Name of Operator
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 Jicarilla #8	Well No. 8	Pool Name, including Formation Basin Dakota	Kind of Lease State, Federal or Fee Federal	Contract 150
Location				
Unit Letter Q	1650	Feet From The North Line and 1650	Feet From The East	
Line of Section 2	Township 26 North	Range 5 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 type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Platoon, Inc.	
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)
Gas Company of New Mexico	Dallas, Texas - Attn: Mr. R. J. McGraw
If well produces oil or liquids, give location of tanks.	Is gas actually connected? When

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 Reservoir	Diff. Reservoir
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
Perforations	Depth Casing Shoe							
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					

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, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bble.	Water-Bble.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bble. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

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.

Rudy D. Motto
Rudy D. Motto (Signature)
Area Superintendent (Title)
June 29, 1977 (Date)

OIL CONSERVATION COMMISSION

APPROVED **JUN 29 1977**, 19
 BY *H. E. McQuinn*
 TITLE **REGISTERED ENGINEER DIST. NO. 3**

This form is to be filed in compliance with RULE 1104.
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 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.
 Separate Forms C-104 must be filed for each pool in multiply completed wells.

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LAND OFFICE		
TRANSPORTER	OIL <input type="checkbox"/>	GAS <input type="checkbox"/>
OPERATOR		
PRORATION OFFICE		

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

I. OPERATOR

Operator Southern Union Production Company

Address P. O. Box 806, Farmington, New Mexico 87401

Reason(s) for filing (Check proper box)

New Well <input type="checkbox"/>	Change in Transporter of:	Other (Please explain)
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/>	Dry Gas <input checked="" type="checkbox"/> Change in name of Transporter
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 Jicarilla #3	Well No. 8	Pool Name, including Formation Blanco Mesaverte	Kind of Lease State, Federal or Fee Federal	Lease No. Contract #150
Location Unit Letter G : 1650 Feet From The North Line and 1650 Feet From The East				
Line of Section 2 Township 26 North Range 5 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 type="checkbox"/> <u>Platacan Inc</u>	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> <u>Gas Company of New Mexico</u>	Address (Give address to which approved copy of this form is to be sent) <u>First International Bldg., Dallas, Texas 75270</u> <u>Attn: Mr. R. J. McGary</u>
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When

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 <input type="checkbox"/>	Gas Well <input type="checkbox"/>	New Well <input type="checkbox"/>	Workover <input type="checkbox"/>	Deepen <input type="checkbox"/>	Plug Back <input type="checkbox"/>	Some Rehrv. <input type="checkbox"/>	Diff. Rehrv. <input type="checkbox"/>
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
Elevations (DF, RKB, RT, CR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
Perforations							Depth Casing Shoe	
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					

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, gas 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/MCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size

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.

Rudy D. Motto
 Rudy D. Motto (Signature)
 Area Superintendent
 September 2, 1976
 Date

OIL CONSERVATION COMMISSION

APPROVED SEP 17 1976
 BY AR Kendrick
 TITLE SUPERVISOR DIST. #3

This form is to be filed in compliance with RULE 1104.
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 Separate Forms C-104 must be filed for each pool in multiply completed wells.

OIL CONSERVATION COMMISSION

1000 Rio Brazos Road

AZTEC, NEW MEXICO

NOTICE OF GAS CONNECTION

DATE December 16, 1970

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR THE PURCHASE OF
GAS FROM THE Southern Union Production Company

OPERATOR

Jicarilla

LEASE

G #8

WELL UNIT

(G) 02-26N-05W

S - T - R

Basin Dakota

POOL

Southern Union Gas Company

NAME OF PURCHASER

WAS MADE ON 12-15-70

DATE

, FIRST DELIVERY 12-15-70

DATE

22/44

INITIAL POTENTIAL

Southern Union Gas Company

PURCHASER

Original of 12-16-70
James R. [unclear]

REPRESENTATIVE

Dispatch Manager

TITLE

gp
cc

TO OPERATOR

OIL CONSERVATION COMMISSION - SANTA FE

U. S. Geological Survey

E. R. Corliss - Engineering

R. J. McCrary - Purchase & Prorations

W. B. Richardson - Gas Measurement
FORM 29-43 1-62

Bill St. John - Gas Accounting

File (3)

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

al

November 9, 1970

C
O
P
Y

Southern Union Production Company
P. O. Box 808
Farmington, New Mexico 87401

Gentlemen:

Enclosed herewith please find Administrative Order No. MC-1925 for your Jicarilla "G" Well No. 8 located in Unit G of Section 2, Township 26 North, Range 5 West, NMFM, Rio Arriba County, New Mexico, to produce gas from the Blanco-Mesaverde Pool and the Basin-Sakata Pool through parallel strings of tubing.

Very truly yours,

A. L. Porter, Jr.
A. L. PORTER, Jr.
Secretary-Director

ALP/IRT/og

cc: Oil Conservation Commission - Aztec
Oil & Gas Engineering Committee - Hobbs

NO. OF COPIES RECEIVED	5
DISTRIBUTION	
SANTA FE	1
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U.S.G.S.	
LAND OFFICE	
TRANSPORTER	
OIL	1
GAS	1
OPERATOR	1
PRORATION OFFICE	

**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)	Other (Please explain)
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 JICARILLA #8	Well No. 8	Pool Name, including Formation Basin Dakota	Kind of Lease State, Federal or Fee FEDERAL	Lease No. CONTRACT #150
Location				
Unit Letter G	Feet From The NORTH Line and 1650	Feet From The EAST		
Line of Section 2	Township 26 NORTH	Range 5 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	FIDELITY UNION TOWER DALLAS, TEXAS 75201
If well produces oil or liquids, give location of tanks.	Is gas actually connected? When
Unit G Sec. 2 Twp. 26N Rge. 5W	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 <input checked="" type="checkbox"/>	Gas Well <input type="checkbox"/>	New Well <input checked="" type="checkbox"/>	Workover <input type="checkbox"/>	Deepen <input type="checkbox"/>	Plug Back <input type="checkbox"/>	Same Reelv. <input type="checkbox"/>	Diff. Reelv. <input type="checkbox"/>
Date Spudded 9/8/70	Date Compl. Ready to Prod. 9/29/70	Total Depth 7870 FT. R.K.B.	P.B.T.D. 7833 FT. R.K.B.					
Elevations (DF, RKB, RT, GR, etc.) 6673 FT. R.K.B.	Name of Producing Formation DAKOTA	Top Oil/Gas Pay 7596 FT. R.K.B.	Tubing Depth 7692 FT. R.K.B.					
Perforations 7596 - 7784 FT. R.K.B.			Depth Casing Shoe 7869 FT. R.K.B.					
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
13-3/4"	10-3/4"	307	250 SACKS					
9-7/8"	7-5/8"	3600	1050 CIL. FT.					
	5-1/2" LINER	TOP 3469 BOTTOM 7869	700 CIL. FT.					
	1-1/2" E.J.L.E.	7692						

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, gas 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 2244	Length of Test 3 HOURS	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.) BACK PRESSURE	Tubing Pressure (Shut-in) 2323 (9 DAYS)	Casing Pressure (Shut-in) PACKER	Choke Size 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.

Gilbert D. Noland, Jr.
GILBERT D. NOLAND, JR. (Signature)
DRILLING SUPERINTENDENT (Title)
OCTOBER 22, 1970 (Date)

OIL CONSERVATION COMMISSION
APPROVED NOV 9 1970 11A 9- 19 70
BY *Conny Claus*
TITLE SUPERVISOR DIST. #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 1111.
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 transporters or other such change of condition.
Separate Forms C-104 must be filed for each pool in multiply completed wells.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R385.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. CONTRACT #150	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME JICARILLA ACHNE	
2. NAME OF OPERATOR SOUTHERN UNION PRODUCTION COMPANY		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 808, FARMINGTON, NEW MEXICO 87401		8. FARM OR LEASE NAME JICARILLA "G"	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1650 FT. FROM NORTH LINE & 1650 FT. FROM EAST LINE At top prod. interval reported below SAME AS ABOVE At total depth SAME AS ABOVE		9. WELL NO. 8	
14. PERMIT NO.		DATE ISSUED	
15. DATE SPUDDED 3/3/70		16. DATE T.D. REACHED 3/22/70	
17. DATE COMPL. (Ready to prod.) 3/29/70		18. ELEVATIONS (DP, RER, RT, GR, ETC.)* 6673 FT. R.R.B.	
19. ELEV. CASINGHEAD 6665		20. FIELD AND POOL, OR WILDCAT BLANCO NEBAVERDE BASIN, DAKOTA	
21. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SEC. 2, T-26N, R-5W, N.M.P.M.		12. COUNTY OR PARISH BLANCO	
13. STATE NEW MEXICO		23. INTERVALS DRILLED BY 2	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5042-5116 K26 TVD (NEBAVERDE) 7596-7784 K26 TVD (DANFORTH)		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN CEMENT BOND, CORRELATION AND E. S. INDUCTION		27. WAS WELL Cased No	
28. CASING RECORD (Report all strings appended)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
10-3/4	13.75	300	13-3/4
7-5/8	26.40	3000	7-7/8
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACCE CEMENT*
5-1/2	3460	7860	7.0 SUEY
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
1 1/2	6000	7130 (3000)	
31. PRODUCTION RECORD (Interval, date and number)			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
5042-5116		20,000 GAL. 10-20 SAND, 60,000 GAL. 20-40 SAND,	
7596-7784		72,724 GAL. OF WATER	
		70,000 GAL. 20-40 SAND, 30,000 GAL. 20-40 SAND,	
		1500-12-30 G. SAND BEANS, 16,000 GAL.	
33. PRODUCTION			
DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)		WELL STATUS (Flowing or shut-in)
10/21/70	3/4" HOURS		204 (24)
DATE OF TEST	HOURS TESTED	CHOKED SIZE	PROD'N. FOR TEST PERIOD
10/21/70	3/4" HOURS	3/4"	2361
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.
182	757	2361	2361
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)			
TEST WITNESSED BY KENNETH E. ROLIV			
35. LIST OF ATTACHMENTS WANTED			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED GUERT D. NOLAND, JR. TITLE DIRECTOR DATE OCTOBER 23, 1970			

* (See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:				38. GEOLOGIC MARKERS	
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES					
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH
				TOP	
				TRUE VERT. DEPTH	
				BASE QVO ALAMO	3002
				PICTURED CLIFFS	3390
				CLIFF HOUSE	5040
				POINT LOOKOUT	5556
				BASE GREENHORN	7553
				DAKOTA	7598

11. DRILLED BRIDGE PLUG AT 5200 FT. AND 7645 FT. R.K.B. CLEANED OUT TO P.B.T.D. OF 7833 FT. R.K.B.
12. SET 5 1/2" BAKER MODEL "D" PRODUCTION PACKER AT 7490 FT. R.K.B., 9/29/70
13. RAN 238 JTS. OF 1-1/2", 2.90#, E.U.E., YCO-55 TBG. LANDED IN PACKER AT 7490 FT. R.K.B. BOTTOM OF TUBING AT 7692 FT. R.K.B. 2-1/16" O.D. BAKER BLAST JOINTS SET ACROSS MESAVERDE PERI'S. TOP BLAST JOINTS 5024 FT. BOTTOM AT 5184 FT. R.K.B.
14. RAN 159 JTS. 1-1/2", 2.75#, YCO-55 INTEGRAL JOINT TUBING TO MESAVERDE. LANDED AT 5039 FT. R.K.B.
15. COMPLETED WELL 9/30/70.

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACERAGE DEDICATION PLAT**

All distances must be from the outer boundaries of the Section

SOUTHERN UNION PRODUCTION COMPANY

JICARILLA "G"

G 2 26 NORTH 5 WEST RIO ARRIBA

1650 NORTH 1650 EAST

6871

MESAVERDE - DAKOTA

**BLANCO MESAVERDE
BASIN DAKOTA**

319.83



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

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

B. R. Vanderslice

Area Superintendent

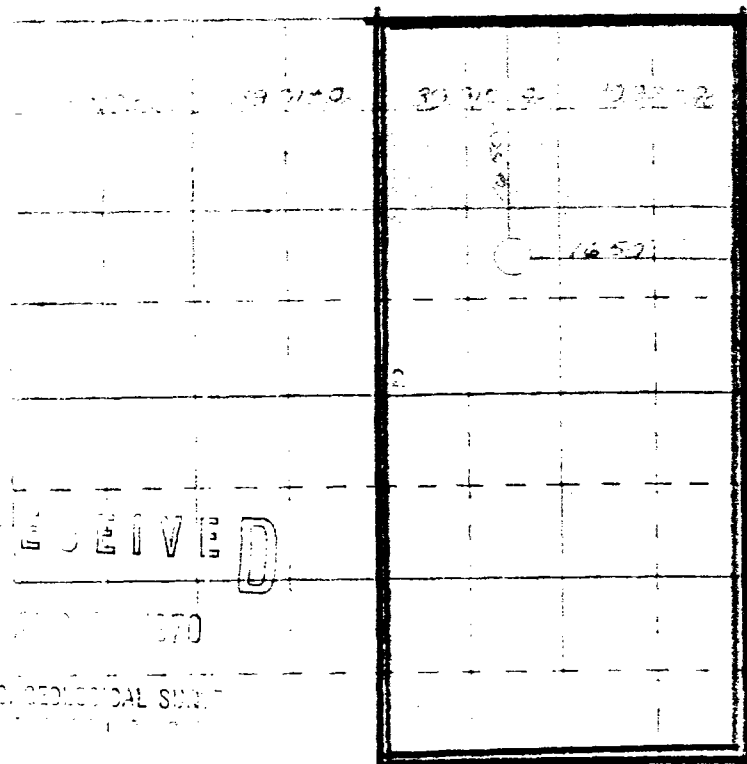
Southern Union Production Co.

August 26, 1970

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

25 August 1970

[Signature]



RECEIVED

1970

GEOLOGICAL SURVEY



Union Texas Petroleum

2751 S. Highway 24
Farmington, New Mexico 87401
Telephone 505-325-3587

February 22, 1988

Bureau of Land Management
1235 La Plata Highway
Farmington, NM 87401

Gentlemen:

Union Texas Petroleum Corporation is in the process of applying for a downhole commingling order for their Jicarilla G #8 well located 1650' FNL and 1650' FEL, Section 2, T26N-R5W, N.M.P.M., Rio Arriba County, New Mexico, in the Basin Dakota and Blanco Mesaverde.

The purpose of this letter is to notify you of such action. If you have no objections to the proposed commingling order, we would appreciate your signing the attached copy of this letter and returning it to this office.

Your prompt attention to this matter would be appreciated.

Yours truly,

P. M. Pippin
Production Engineer

PMPP:lmg

ACKNOWLEDGEMENT

The above downhole commingling request is hereby approved:

Date _____



Union Texas Petroleum

175 N. Highway 64
Farmington, New Mexico 87401
Telephone: 505-325-3557

February 22, 1988

Meridian Oil Company
P. O. Box 4990
Farmington, NM 87499

Gentlemen:

Union Texas Petroleum Corporation is in the process of applying for a downhole commingling order for their Jicarilla G #8 well located 1650' FNL and 1650' FEL, Section 2, T26N-R5W, N.M.P.M., Rio Arriba County, New Mexico, in the Basin Dakota and Blanco Mesaverde.

The purpose of this letter is to notify you of such action as our records indicate that you are the owner and operator of acreage which adjoins the area in which the downhole commingling is requested. If you have no objections to the proposed commingling order, we would appreciate your signing the attached copy of this letter and returning it to this office.

Your prompt attention to this matter would be appreciated.

Yours truly,

P. M. Pippin
Production Engineer

PMP:lmg

ACKNOWLEDGEMENT

The above downhole commingling request is hereby approved:

Date _____



Union Texas Petroleum

RECEIVED
BLM FIELD ROOM
08 FEB 25 PM 1:06
FARMINGTON RESOURCE AREA
FARMINGTON, NEW MEXICO

375 U.S. Highway 64
Farmington, New Mexico 87401
Telephone (505) 325-3587

Case File
Set For
April 13, 1988

February 22, 1988

Bureau of Land Management
1235 La Plata Highway
Farmington, NM 87401

Gentlemen:

Union Texas Petroleum Corporation is in the process of applying for a downhole commingling order for their Jicarilla G #8 well located 1650' FNL and 1650' FEL, Section 2, T26N-R5W, N.M.P.M., Rio Arriba County, New Mexico, in the Basin Dakota and Blanco Mesa Verde.

The purpose of this letter is to notify you of such action. If you have no objections to the proposed commingling order, we would appreciate your signing the attached copy of this letter and returning it to this office.

Your prompt attention to this matter would be appreciated.

Yours truly,

P. M. Pippin
Production Engineer

PMP:img

RECEIVED
MAR 8 1988
OIL CON. DIV.
DIST. 3

ACKNOWLEDGEMENT

~~The above downhole commingling request is hereby approved:~~
We have no objections to the above downhole commingling request,
Subject to approval by NMDCO.

Date 3/4/88

UNOCC



Union Texas Petroleum

RECEIVED
PLANNING ROOM
83 FEB 26 PM 1:06
FARMINGTON RESOURCE AREA
FARMINGTON, NEW MEXICO

375 U.S. Highway 64
Farmington, New Mexico 87401
Telephone (505) 325-3587

February 22, 1988

Bureau of Land Management
1235 La Plata Highway
Farmington, NM 87401

Gentlemen:

Union Texas Petroleum Corporation is in the process of applying for a downhole commingling order for their Jicarilla G #8 well located 1650' FNL and 1650' FEL, Section 2, T26N-R5W, N.M.P.M., Rio Arriba County, New Mexico, in the Basin Dakota and Blanco Mesaverde.

The purpose of this letter is to notify you of such action. If you have no objections to the proposed commingling order, we would appreciate your signing the attached copy of this letter and returning it to this office.

Your prompt attention to this matter would be appreciated.

Yours truly,

P. M. Pippin
Production Engineer

PMP:lmq

RECEIVED
MAR 08 1988
OIL CON. DIV.
DIST. 3

ACKNOWLEDGEMENT

~~The above downhole commingling request is hereby approved:~~

We have no objections to the above downhole commingling request,
Subject to approval by NMOC.

Date

3/4/88

NMOC



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178

OIL CONSERVATION DIVISION
BOX 2088
SANTA FE, NEW MEXICO 87501

DATE 3-7-88

RE: Proposed MC _____
Proposed DHC X _____
Proposed NSL _____
Proposed SWD _____
Proposed WFX _____
Proposed PMX _____

Gentlemen:

I have examined the application dated 2-26-88
for the Hallen Texas Petroleum Corp. Tigarilla G #8 G-2-26N-SW
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Do not approve - Docket for hearing these zones are
protected

Yours truly,

E. J. Burch