130448636

NSL

11/15/01



Yolanda Perez Sr. Regulatory Analyst EP Americas Lobo/San Juan Asset Unit P.O. Box 2197 - DU3084 Houston, TX 77252-2197

(281) 293-1613

October 22, 2001

New Mexico Oil Conservation Division 1220 So. St. Francis Drive Santa Fe. New Mexico 87505

Attn: Michael Stogner

RE: Non-Standard Location Request

Blanco P.C. South Pool

Jicarilla 20 Well No. 2, API # 30-039-05873 349' FSL 596' FWL, Section 20 (M)-T25N-R4W

Rio Arriba County, NM



Conoco operates the above referenced well, which was completed as a *Lindrith Gallup-Dakota*, *West* pool producer in 1959. After achieving a cumulative recovery of some 85 MBO + 460 MMCFG from said pool, production declined to a point where the well was no longer economic to operate. Since there is no potential for remedial work to restore production to economic rates, Conoco plans to plug and abandon the current (Gallup) completion.

The Jicarilla 20 #2 is located along a productive bench of the *Blanco P.C. South* pool. The subject well contains a nicely developed Pictured Cliffs sand (~30 feet thick) found from 3,534-3,564'. It is believed that economic quantities of gas could be produced from this sand via recompletion in the 20 #2. Location of the Jicarilla 20 #2 at 349' FSL & 596' FWL is standard for the *Lindrith Gallup-Dakota*, *West* pool, but non-standard for the *Blanco P.C. South* pool, which requires 660' set-backs.

Note that roughly 1,700' to the northeast, in unit letter K of Section 20, the Conoco Jicarilla BR E Well No. 7 has already produced 1.45 BCFG from the *Blanco P.C. South* pool since first delivery in 1960. This well currently produced ~5 MCFD, and is only economic (marginally) to operate as long as it continues to produced trouble free. Conoco realizes that spacing rules permit only one P.C. well/160 acre GPU, and that the BR E # 7 will have to be plugged in order to produce P.C. in the subject well. Owing to the relatively close proximity of the BR E # 7, it is expected that we will encounter significant pressure depletion in the P.C. at the Jicarilla 20 #2 location. It is believed that, in the absence of mechanical complications, we have economics for a P.C. recompletion, but not for drill & case operations of a new well at a standard location.

Note additionally that Conoco Inc. owns a 100% WI in the P.C. in the subject GPU (SW/4 of Section 20), and in the three offset P.C. GPU's (SE/4 Sec. 19, NW/4 Sec. 29, & NE/4 Sec. 30). The Jicarilla Apache Tribe is the sole royalty interest owner in all 4 of these GPU's.

Finally, reference is made to **Administrative Order NSL-565**, dated July 28, 1972 (attached), which approved a non-standard location for a Mesaverde recompletion in the subject Jicarilla 20 #2. Non-commercial rates of production were obtained from the ensuing Mesaverde recompletion, which was squeezed-off, and the well was returned to production as a Gallup single.

In view of the preceding, Conoco respectfully requests that Administrative Order NSL-565 be modified to include approval of a non-standard location for production from the *Blanco P.C. South* pool at 349' FSL & 596' FWL of Section 20-T25N-R4W, Rio Arriba County, New Mexico. Please feel free to contact Tom Johnson at 281-293-6551 if you have any questions regarding this application.

Sincerely,

CONOCO INC.

Yolanda Perez

Sr. Regulatory Analyst Lobo/San Juan Asset

Yolanda Parez

Enclosures

OCT 25 2001

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 South First, Artesia, NM 88210 District III

1000 Rio Brazos Rd., Aztec, NM 87410

2040 South Pacheco, Santa Fe, NM 87505

District IV

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised August 15, 2000

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

Certificate Number

1	API Numbe	r			² Pool (Code	³ Pool Name						
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EW MEXICO OIL CONSERVATION COMM

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Well Location and Acreage Dedication Plat

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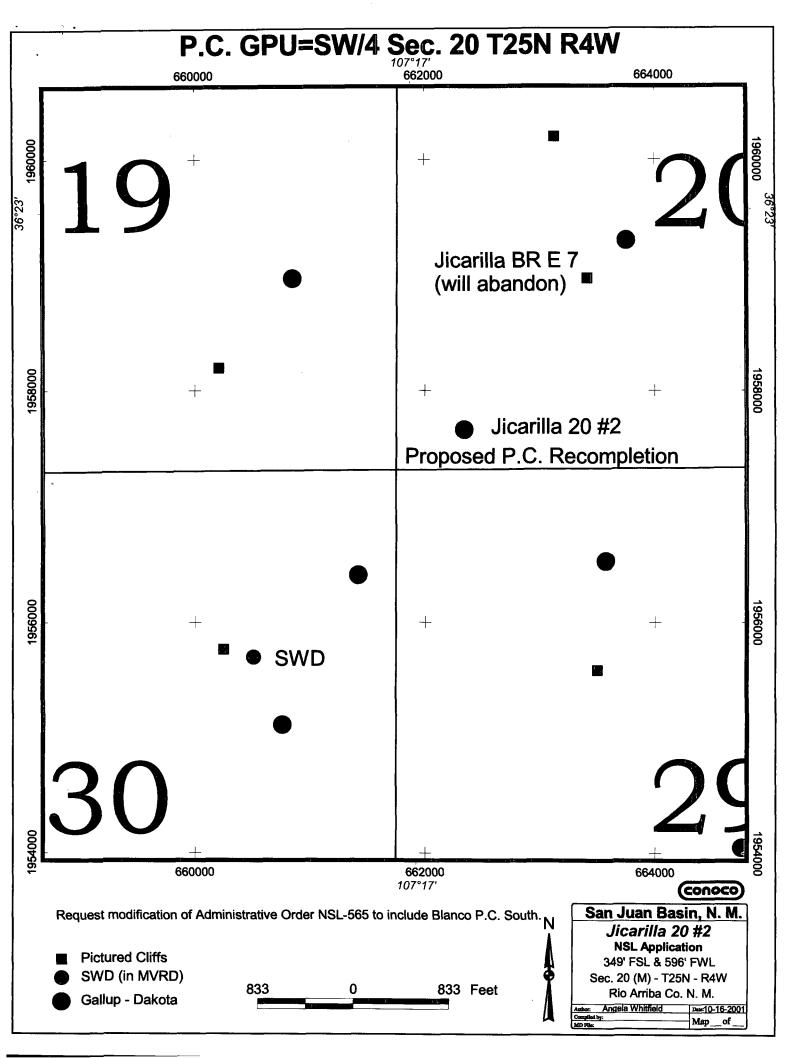
(Seal)

Farmington, New Mexico

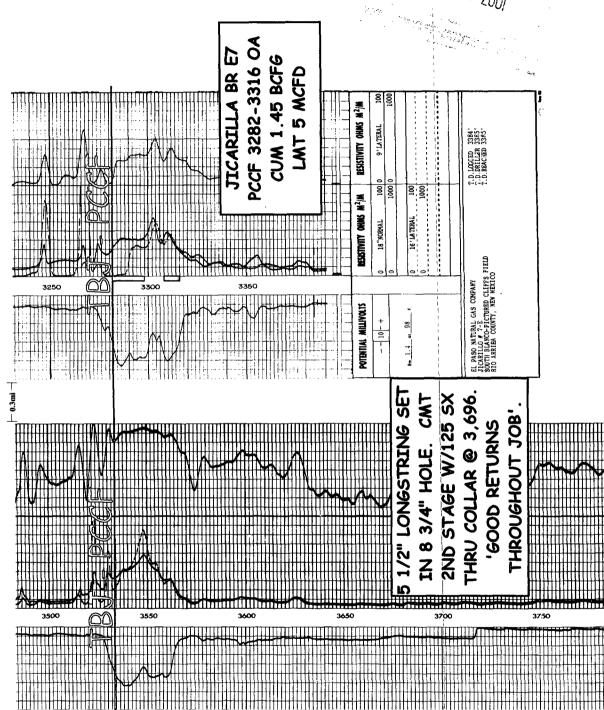
Date Surveyed OCTOBER 9, 1958

This is to certify that the above plat was prepared from field notes of netual surveys made by me or under my supervision and that the same are true and correct to the best

Registered Professional Engineer and/or Land Surveyor



OCT 25 2001





JICARILLA-APACHE 20-2 025.0N 004.0W 020 CONTINENTAL OIL 300390SR33000 03-17-1959 7315.0 ft KB



OIL CONSERVATION COMMISSION

GOVERNOR
BRUCE KING
CHAIRMAN

LAND COMMISSIONER
ALEX J. ARMIJO
MEMBER

STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY -- DIRECTOR

STATE OF NEW MEXICO P. O. BOX 2088 - SANTA FE

87501

July 28, 1972

Continental Oil Company 152 North Durbin Casper, Wyoming 82601

Attention: Mr. W. C. Blackburn

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Administrative Order NSL-565

Gentlemen:

Reference is made to your application for approval of an unorthodox gas well location for your Jicarilla 20 Well No. 2, located 349 feet from the South line and 596 feet from the West line of Section 20, Township 25 North, Range 4 West, NMPM, Undesignated Mesaverde gas pool, Rio Arriba County, New Mexico.

By authority granted me under the provisions of Rule 104 F of the Commission Rules and Regulations, the above-described unorthodox location is hereby approved.

Very truly yours

A. L. PORTER, Jr. Secretary-Director

ALP/GMH/dr

cc: Oil Conservation Commission - Aztec Oil & Gas Engineering Committee - Hobbs U. S. Geological Survey - Farmington

WES

R A W

July 18, 1972

New Mexico Oil & Gas Conservation Commission P. O. Box 2088 Santa Fo. New Mexico 87501

Attention: Mr. George Hatch

Gent lemen:

Dual Completion Jicarilla 20 No. 2 Rio Arriba County, New Mexico File: DO-410-CF

Attached is the map your office requested showing the proposed 160 here proration unit. All leases surrounding the proposed proration unit are held 100 percent by Continental Oil Company.

The well was originally drilled as a 40 acre spaced oil well (see attachment 2) and is currently a warginal-producing well. To the best of our knowledge, there is no these Verde production within one mile of Jicarilla 20 Well No. 2.

The exploratory testing of the Mess Verde formation can be considered as a salvage type operation as the old logs do not indicated good Mess Verde section. From the facts available to us at the present time, it will not be sufficient to warrant a single zone completion through a new well at a regular 160 acre gas well spacing unit.

Original Signed By: W. C. BLACKBURN W. C. Blackburn

WFS/

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O LOCATION

● GALLUP DIL WELL

. DAKOTA OIL WELL

6 c DUAL - GALLUP (OII) CHACRA (Gas)
6-c DUAL - GALLUP (OII) DAKOTA (OII-Gas)

SHUT-IN WELL

APANDONED WELL

PROPOSED LOCATIONS - 1971

PROPOSED LOCATIONS - 1970

CONTINENTAL OIL COMPANY

PRODUCTION DEPARTMENT

== 4000°

Casper, Wyoming

County: Rio Arriba

Engineer:

Scale Land

WEST LINDRITH BLOCK

JICARILLA APACHE LEASES

Contour Interval -

State: New Mexico

Draftsman: Date: 7-12-77 | Well Status Posted to:

Ad

1 9811 Location and Acreage Dedication Plat

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Section A. ""			Date Ownsury cop 1999
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Well No. 20-2 Unit Letter 4 Located 596' Feet From b	Section <u>20</u>		25 North Range 4 West - MMCM
Located 596' Feet From h	<u>lest</u> Line;	340 Feet	t From South Line
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consolidated by communitiza	tion agreement	or otherwise? Yes	sNo If answer is
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3. If the answer to question t	wo is "no," list	t all the owners a	and their respective interests
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			District Superintendent
			(Representative)
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			belief.
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(See instruct	tions for comple	ting this form on	the reverse side) (Colo. Reg.)
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INSTRUCTIONS FOR COMPLETION:

- 1. Operator shall furnish and certify to the information called for in Section A.
- 2. Operator shall outline the dedicated acreage for both oil and gas wells on the plat in Section B.
- 3. A registered professional engineer or land surveyor registered in the State of New Mexico or approved by the Commission shall show on the plat, the location of the well and certify this information in the space provided.
- 4. All distances shown on the plat must be from the outer boundaries of Section.
- 5. If additional space is needed for listing owners and their respective interests as required in question 3, Section A, please use space below

^{* &}quot;Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1953 Comp.)

NSL

11/15/01

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(conoco

Yolanda Perez Sr. Regulatory Analyst EP Americas Lobo/San Juan Asset Unit P.O. Box 2197 - DU3084 Houston, TX 77252-2197

(281) 293-1613

October 22, 2001

New Mexico Oil Conservation Division 1220 So. St. Francis Drive Santa Fe. New Mexico 87505

Attn: Michael Stogner

RE: Non-Standard Location Request

Blanco P.C. South Pool

Jicarilla 20 Well No. 2, API # 30-039-05873 349' FSL 596' FWL, Section 20 (M)-T25N-R4W

Rio Arriba County, NM

OCT 2 5 2001

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Sincerely,

CONOCO INC.

Yolanda Perez Sr. Regulatory Analyst Lobo/San Juan Asset

yolanda Parez

Enclosures

007 / 5 20ni

District I 1625 N. French Dr., Hobbs, NM 88240

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised August 15, 2000

District II 811 South First, Artesia, NM 88210

OIL CONSERVATION DIVISION

Submit to Appropriate District Office

WELL LOCATION AND ACREAGE DEDICATION PLAT API Number Property Code Property Name Property Code Property Name Property Code Property Name Property Code Property Name Prop	District III 1000 Rio Brazos Re	d., Aztec, NN	M 87410		OIL C	2040 Sou	th Pacheco NM 87505	114 5u	omit to 7 tpp	State	Lease - 4 Copies Lease - 3 Copies
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								me or under	my supervision	i, and the	at the same is true
Date of Survey Signature and Seal of Professional Surveyor:			<u> </u>						•	essional	Surveyor:

Certificate Number

(Seal)

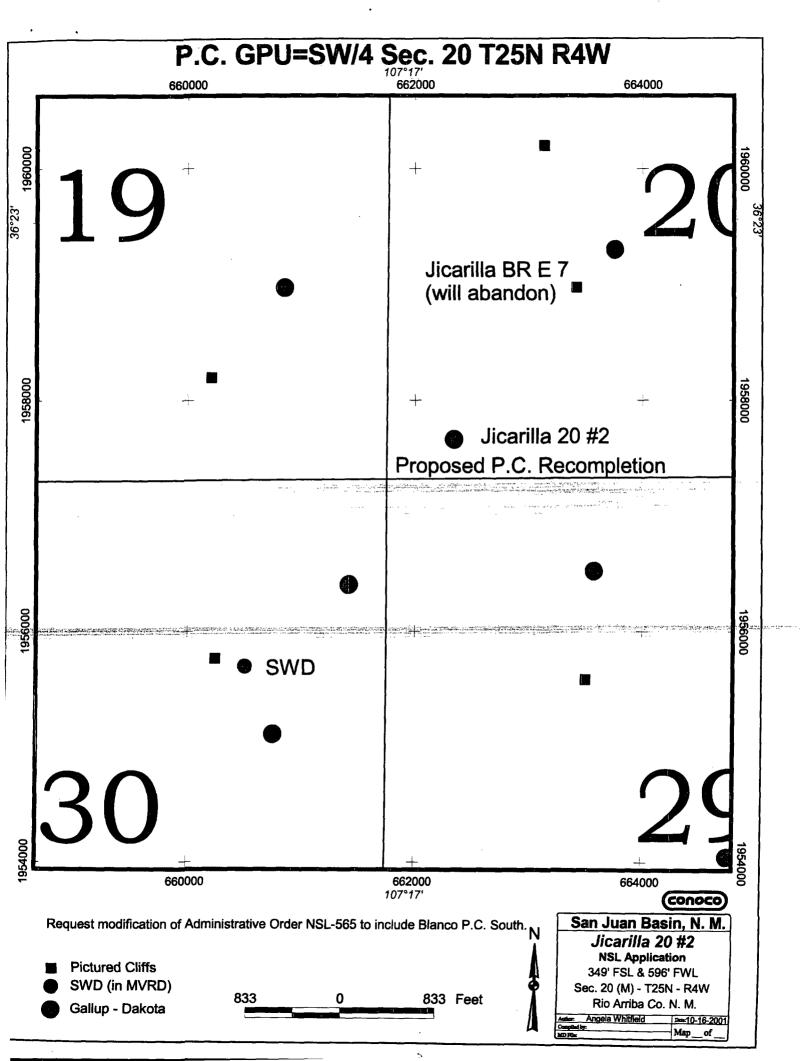
Farmington, New Mexico

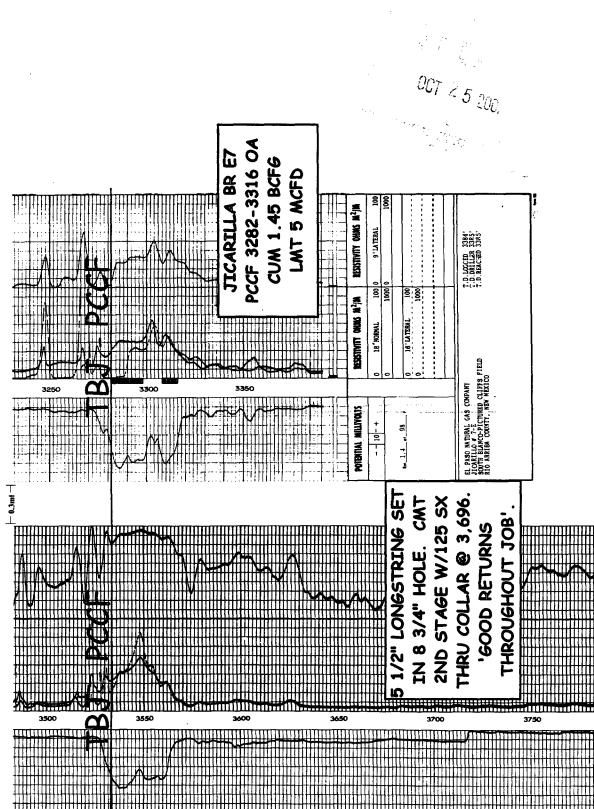
EW MEXICO OIL CONSERVATION COMM

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Well Location and Acreage Dedication Plat

ection A.			Date	PRIL 27,	1960
perator EL PASO NATURAL GAS COMPA					A APACHE 6
ell No. 7-E Unit Letter K Se ocated 1650 Feet From SOU		Township 50 F	25-N eet From		L NM
ounty RTO ARRIBA G. L. Elevat		Dedicate		160	Ac.
Is the Operator the only owner in the dedic YesNo If the answer to question one is "no",	ated acreage outl	ined on the plat be	elow?		RED CLIFFS
agreement or otherwise? Yes					
If the answer to question two is "no", lis	st all the owners				
Owner	,	Lan	d Description	<u>on</u>	
	A. I. I.				
ction B.	Note: All dis	stances must be fr	om outer bou	ndaries of s	ection.
is is to certify that the information Section A above is true and complete	to failure to a second of the	and a first and a		en opton	
the best of my knowledge and belief.					
El Pado Satural Gas Company (Operator)	,		. !		
ORIGINAL SIGNED A.M. SMITH					
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JICARILLA-APACHE 20-2 025.0N 004.0W 020 CONTINENTAL OIL 30039058730000 03-17-1959 7315.0 ft KB



OIL CONSERVATION COMMISSION

GOVERNOR BRUCE KING CHAIRMAN

LAND COMMISSIONER
ALEX J. ARMIJO
MEMBER

STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY – DIRECTOR

STATE OF NEW MEXICO P. O. BOX 2088 - SANTA FE 87501

July 28, 1972

Continental Oil Company 152 North Durbin Casper, Wyoming 82601

Attention: Mr. W. C. Blackburn

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Administrative Order NSL-565

Gentlemen:

Reference is made to your application for approval of an unorthodox gas well location for your Jicarilla 20 Well No. 2, located 349 feet from the South line and 596 feet from the West line of Section 20, Township 25 North, Range 4 West, NMPM, Undesignated Mesaverde gas pool, Rio Arriba County, New Mexico.

By authority granted me under the provisions of Rule 104 F of the Commission Rules and Regulations, the above-described unorthodox location is hereby approved.

Very truly yours

A. L. PORTER, Jr. Secretary-Director

ALP/GMH/dr

cc: Oil Conservation Commission - Aztec Oil & Gas Engineering Committee - Hobbs U. S. Geological Survey - Farmington

WFS

RAW

July 18, 1972

New Mexico Oil & Gas Conservation Commission P. O. Box 2088 Santa Ps. New Mexico 87501

Attention: Mr. George Hatch

Gent lemen:

Dual Completion Jicarilla 20 No. 2 Rio Arriba County, New Mexico Filet DO-410-CF

Attached is the map your office requested showing the proposed 160 acre proration unit. All leases surrounding the proposed proration unit are held 100 percent by Continental 011 Company.

The well was originally drilled as a 40 acre spaced oil well (see attachment 2) and is currently a marginal-producing well. To the best of our knowledge, there is no less Verde production within one mile of Jicarilla 20 Well No. 2.

The exploratory testing of the Mess Verde formation can be considered as a salvage type operation as the old logs do not indicated good Mess Verde section. From the facts available to us at the present time, it will not be sufficient to warrant a single zone completion through a new well at a regular 160 acre gas well spacing unit.

Very truly yours,

Original Signed By: W. C. BLACKBURN W. C. Blackburn

WFS/

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--- L E G E N D ---

- GALLUP DIL WELL
- DAKOTA OIL WELL
- COUAL GALLUP (OH) CHACRA (Gos)
- SHUT-IN WELL
- APANDONED WELL
- PROPOSED LOCATIONS 1971
- - PROPOSED LOCATIONS 1970

CONTINENTAL OIL COMPANY

PRODUCTION DEPARTMENT Casper, Wyoming

County: Rio Arriba

Engineer:



WEST LINDRITH BLOCK
JICARILLA APACHE LEASES

Contour Interval -

State: New Mexico

Draftsman: Date: 7-2-77

Well Status Posted to:

- Well Location and Acresce Dedication Plat

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Section A. The Section A.			Date January 26, 1959
Cherator Continental Oil	Company Lea	se Jic arilla	Apacho
Cell No. 4003 Unit Letter	44 Section 20	" Township	25 North Range 4 West - MMPM
Located 5961 Feet From	West Line;	340 Fee	t From South Line
County Rio Arriba G. Name of Producing Formation	L. Elevation 730	3 Dedicate	d Acreage 60 Acres
Hame of Producing Formation	CHIUD	Pool U4	2012/04/23/44/24/24/2019/2019/2019/2019/2019/2019/2019/2019
1. Is the Operator the only Yes X No	owner* in the ded	icated acreage ou	tlined on the plat below?
2. If the answer to question	one is "no," have	e the interests o	f all the owners been
consolidated by communiti	zation agreement	or otherwise? Ye	s No . If answer is
yes," Type of Consolidat	ion		•
3. If the answer to question below:	two is "no," lis	t all the owners	and their respective interests
<u>Cwner</u>		Land Desc	ription
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Section. B	FEI	76 1959 J	Top you
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		IST, S. A. C.	This is to a said to the the
			This is to certify that the
		Mariana (1) and the second of	information in Section A
			above is true and complete to the best of my knowledge
			and belief.
			and perier.
			Continental Oil Co.
			(Operator) Burton Hall
			Eurcon Hall
			District Superintendent
			(Representative)
	- 1 t		P. 0. Box 3312
			Durango, Colorado
SE	5.0		Address
			This is to certify that the
			well location shown on the
			plat in Section B 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.
			Date Surveyed December 12,1958
soc ~ well			Elmes III. Clarke
- ESC D LOCATION		* 10 to 2 to 2	Paristand Professional
5			Registered Professional
			Engineer and/or Land Surveyor.
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(See instru	ctions for complet	ing this face	the reverse side (Colo Ros )
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### INSTRUCTIONS FOR COMPLETION:

- 1. Operator shall furnish and certify to the information called for in Section A.
- 2. Operator shall outline the dedicated acreage for both oil and gas wells on the plat in Section B.
- 3. A registered professional engineer or land surveyor registered in the State of New Mexico or approved by the Commission shall show on the plat, the location of the well and certify this information in the space provided.
- 4. All distances shown on the plat must be from the outer boundaries of Section.
- 5. If additional space is needed for listing owners and their respective interests as required in question 3, Section A, please use space below

^{* &}quot;Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1953 Comp.)