Page: 1 Document Name: untitled

CIMID : ONGARD

OG6IWCM INQUIRE WELL COMPLETIONS 08/04/04 13:23:30 OGOMES -TPXN

API Well No : ω 0 39 8096 Eff Date : 01-01-2004 WC Status : A

Pool Idn 58090 TAPACITO GALLUP (ASSOCIATED)

OGRID Idn Prop Idn 222374 CDX RIO, LLC 33460 JICARILLA B

Well No 007

GL Elevation: 6610

U/L Sec Township Range North/South East/West Prop/Act(P/A)

Lot Identifier:

B.H. Locn

16

26N

05W

FTG 1850 F N FTG 1150 F E

שי

Dedicated Acre: 320.00

Lease Type

Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

M0025: Enter PF keys to scroll

PF07 PF01 PF02 PF08 PF03 PF09 EXIT PF04 GoTo PF10 NEXT-WC PF11 HISTORY PF12 NXTREC PF05 PF06

Date: 8/4/2004 Time: 01:24:07 PM

Date: 8/4/2004 T		BKWD	E0005:										Dedicated Land:	Spacing Unit	Prop Idn	>:		P	CMD :
Time: 01:24:12		PF08 FWD	: Enter data PF02										1	: 16 26N 0	·	: 30 39			
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4	•	PF12	PF06									l 1 I 1		Dedica:	Well		Pag	0	08/04/04
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CMD : OG6IPRD INQUIRE PRODUCTION BY POOL/WELL ONGARD 08/04/04 13:23:44 Page No: 1 OGOMES -TPXN

OGRID Identifier : 778 BP AMERICA PRODUCTION COMPANY

API Well No Pool Identifier 58090 TAPACITO GALLUP (ASSOCIATED) 30 39 8096 Report Period - From: 01 2000 To: 06 2004

PF01 PF07		30	30	30	30	30	30	30	API
M 1 HELP 7 BKWD		ų 9	ယ္က	39	39	39	39	ယှ	Well
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PF04 PF10	)il)	00	00	00	00	00	00	00	! • !
4 GoTo PF05 0 NXTPOOL PF11		31	30	31	30	31	29	31	Days Prod
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NXTOGD				46		97			
PF06									umes
PF06 CONFIRM									Water
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	OG6IPRD	CMD :	
	INQUIRE PRODUCTION BY POOL/WELL	ONGARD	
Page No: 2	OGOMES -TPXN	08/04/04 13:23:47	

API Well No Pool Identifier OGRID Identifier : : 58090 TAPACITO GALLUP (ASSOCIATED) 30 39 8096 Report Period - From : 01 2000 To : 06 2004 778 BP AMERICA PRODUCTION COMPANY

API Well No	ll No	Property Name	Prodn. Days	Days	Production	ion Volumes
		,	XX/WW	Prod	Gas	$\circ$
30 39	8096	JICARILLA B	08 00	31	36	32
30 39	8096			30	45	18
30 39	8096			31	31	42
30 39	8096		11 00	30	35	
30 39	8096	JICARILLA B	12 00	31	46	
30 39	8096			ч	45	
30 39	8096			28	37	24

Reporting Period Total (Gas, Oil) :

\$160 Eur

PF07 BKWD PF01 HELP E0049: User may continue scrolling. PF02 PF08 FWD PF09 PF03 EXIT PF04 GoTo PF10 NXTPOOL PF11 NXTOGD PF05 PF12 PF06 CONFIRM

CMD: OG6IPRD OGRID Identifier INQUIRE PRODUCTION BY POOL/WELL ONGARD 08/04/04 13:23:49 Page No: 3 OGOMES -TPXN

58090 TAPACITO GALLUP (ASSOCIATED) 778 BP AMERICA PRODUCTION COMPANY

: 30 39 8096 Report Period - From : 01 2000 To : 06 2004

API Well No

Pool Identifier

PF07 BKWD	PF01 HELP	臣004	ŀ	Rer	30 39 8096	30 39 8096	30 39 8096	30 39 8096	30 39 8096	30 39 8096	30 39 8096	API Well No
PF08 FWD	PF02	E0049: User may c	ţ	Reporting Period Total	JICARILLA B	JICARILLA B	JICARILLA B	JICARILLA B	JICARILLA B	JICARILLA B	JICARILLA B	Property Name
PF09	PF03 EXIT	may continue scrolling.		l Total (Gas, Oil)	09	08	07	06	05	04	03	me Prodn MM/YY
PF10	PF04	ling		0il)	01	01	01	01	01	01	01	
0 NXTPOOL	4 GoTo	•	 		30	31	31	30	31	30	31	Days Prod
<b>PF11</b>	PF05		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		45	<u>გ</u>	63	8	80	65 5	9	Production Gas
NXTOGD			1 1 1 1 1 .		30	14	17	2	107			tion Vol
PF12	PF06				         							lumes
	PF06 CONFIRM		 		1 1 1 1							Water
	M				שי	שי	Þ	שי	ש	Þ	Ā	Well Stat

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OGRID Identifier: 778 BP AMERICA PRODUCTION COMPA Pool Identifier: 58090 TAPACITO GALLUP (ASSOCIATED) API Well No: 30 39 8096 Report Period - From	CMD : OG6IPRD
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: 778 BP AMERICA PRODUCTION COMPANY : 58090 TAPACITO GALLUP (ASSOCIATED) : 30 39 8096 Report Period - From : 01 200	IQNI
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m:	ELL
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90	'04 )GOM 'age
0 To : 06 2004	08/04/04 13:23:50 OGOMES -TPXN Page No: 4
<u>с</u> ң	23:5 -TPX
	ZO

PF01 PF07		30	30	30	30	30	30	30	API
E HELP BKWD		39	3 9	39	39	39	39	39	 Well
E0049 LP WD	Repo	8096	8096	8096	8096	8096	8096	8096	1 No
9: User may PF02 PF08 FWD	Reporting Period Total	JICARILLA	Property Name						
E0049: User may continue scrolling. PP02 PF03 EXIT PF04 DPF08 FWD PF09 PF10		В	₿	₿	₿	₿	₿	В	Name
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g. 04 GoTo PF05 10 NXTPOOL PF11		30	31	28	31	31	30	31	Days Prod
		49	53	15	37	70	67	ъ 8	Production Gas
NXTOGD			12	7	21	17	22	ហ	
PF06 PF12									lumes
PF06 CONFIRM PF12	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1								Water
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OG6IPRD CMD : OGRID Identifier 778 BP AMERICA PRODUCTION COMPANY INQUIRE PRODUCTION BY POOL/WELL ONGARD 08/04/04 13:23:52 Page No:

OGOMES -TPXN

API Well No Pool Identifier ω 0 58090 TAPACITO GALLUP (ASSOCIATED) 39 8096 Report Period - From : 01 2000 To : 06 2004

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30	30	30	30	30	30		API
ι; 9	ဋ္ဌ	39	39	39	39	39	API Well No
8096	8096	8096	8096	8096	8096	8096	1 No
8096 JICARILLA B	Property Name						
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30	31	18	31	31	30	31	Days Prod
63	69	46	67	70	69	70	Production Gas
13	18	11	12	16		47	ion Volumes
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Reporting Period Total (Gas, Oil) :

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E0049: User may continue scrolling.

PF01 PF07 BKWD HELP PF02 PF08 FWD PF09 PF03 EXIT PF04 GoTo PF10 NXTPOOL PF11 NXTOGD PF05 PF12 PF06 CONFIRM

OGRID Identifier :		OG6IPRD	CMD :	
778 BP AMERICA PRODUCTION COMPANY		INQUIRE PRODUCTION BY POOL/WELL	ONGARD	
	Page No: 6	OGOMES -TPXN	08/04/04 13:23:53	

: 58090 TAPACITO GALLUP (ASSOCIATED)

30 39 8096 Report Period - From: 01 2000 To: 06 2004

Pool Identifier API Well No

PF01 I PF07 I		30 39	30 39	30 39	30 39	30 39	30 39	30 39	API W
E004 HELP BKWD	Rep	9 8096	9 8096	9 8096	9 8096	9 8096	9 8096	9 8096	well No
E0049: User may continue scrolling. PP02 PF03 EXIT PF04 DPF08 FWD PF09 PF10	Reporting Period Total (Gas, Oil) :	JICARILLA B	Property Name						
continue scr PF03 EXIT PF09	d Total (Gas	06	05	04	03	02	01	ш	
olling. PF04 PF10	, Oil		5 03		3 03	2 03	1 03	2 02	 Prodn. MM/YY
9. 04 GoTo 10 NXTPOOL	:	30	31	30	31	28	31	31	Days Prod
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NXTOGD	1	22	12	17	13	21	23		tion Vo
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PF01 CMD: 30 30 30 API Well OG6IPRD API Well No Pool Identifier OGRID Identifier 39 39 39 39 39 39 HELP 8096 8096 8096 E0049: User may continue scrolling. 8096 8096 8096 No Reporting Period Total (Gas, Oil) PF02 JICARILLA JICARILLA JICARILLA JICARILLA JICARILLA JICARILLA Property Name ω 0 58090 TAPACITO GALLUP (ASSOCIATED) 39 8096 Report Period - From : 01 2000 To : 778 BP AMERICA PRODUCTION COMPANY ₩ **в** в В INQUIRE PRODUCTION BY POOL/WELL PF03 EXIT ONGARD 9 80 10 11 AA/WW Prodn. 03 03 03 03 PF04 GoTo Days 30 31 31 31 Prod 2610 Gas Production Volumes PF05 61 71 63 60 809 14 14 21 08/04/04 13:23:54 ω PF06 Page No: OGOMES -TPXN 06 2004 Water CONFIRM Stat Ч שששששש P

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PF07 BKWD

PF08 FWD

PF09

PF10 NXTPOOL PF11 NXTOGD

PF12

OGRID Identifier: 222374 CDX RIO, LLC OG6IPRD CMD: INQUIRE PRODUCTION BY POOL/WELL ONGARD 08/04/04 13:24:12 OGOMES -TPXN Page No: 1

Pool Identifier API Well No 58090 TAPACITO GALLUP (ASSOCIATED) 30 39 8096 Report Period - From: 01 2003 To: 06 2004

PF01 PF07		30	30	30	30	30	API
M 1 HELP 7 BKWD		39	39	39	39	39	API Well No
M0025	Repo	8096	8096	8096	8096	8096	L No
M0025: Enter PF PF02 PF08 FWD	Reporting Period Total (Gas, Oil)	JICARILLA B	Property Name				
keys to scroll PF03 EXIT PF09	d Total (Ga						ame
	ls, 0:	05 04	04 04	03 04	02 04	01 04	Prodn. MM/YY
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PF04 GoTo PF05 PF10 NXTPOOL PF11 NXTOG	 	0	2	7	9	Н	Days Prod
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	9 1	10	32	7	49	Н	10 1
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PF06 CONFIRM	10		59	48			Water
RM		Ή	щ	μij	Ā	שי	Well Stat

District 1
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Submit to appropriate District Office

Form C-104A

Oil Conservation Division 2040 South Pacheco Santa Fe, NM 87505

#### **Change of Operator**

Previ	ous Operator Information:		New Operat	tor Information:	
		Effective Da	ite:	January 1, 200	)4
OGRID:	000778	New Ogi	id:	222374	
Name:	BP America Production Company	New Nar		CDX Rio, LL	
Address:	P.O. Bxo 3092	Addre		01 N. Butler Ave.	#2000
Address: _		Addre			
City, State, Zip:	Houston, TX 77253-3092	City, State, Z	ip: <u>F</u>	armington, NM	87401
Signature:  Printed name:  Title:	nat the rules of the Oil Conservation Division opposition and the attached list of wells is build D. John Ronald D. John Roduction Accounting Spec. Operation Phone: 505-325-4007	s true and comple nston	ete to the best		and belief.
Previous operator	complete below:		NMOCI	O Approval	
Sharrians ( )manata E	BP America Production Company	21		-> 0	
Previous Operator:	America Froduction Company	Signature:		775	
n	00000		SUPERV	ISOR DISTRIC	T #3
Previous OGRID: 0	00778	Printed Name:	<u> </u>		
Signature:	Cherry Hlana	District:	:	<b>.</b>	
Printed Name:	Cherry Hlava	/ Date:	FEB	17 2004	-
	:				

District 1
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Submit to appropriate District Office

Form C-104A

Oil Conservation Division 2040 South Pacheco Santa Fe, NM 87505

#### **Change of Operator**

Prev	ious Operator Information:	New Operator Information:					
		Effective Date:	January 1, 2004				
OGRID:	000778	New Ogrid:	222374				
Name:	BP America Production Company	New Name:	CDX Rio, LLC				
Address:	P.O. Bxo 3092	Address:	4801 N. Butler Ave. #2000				
Address:		Address:					
City, State, Zip:	Houston, TX 77253-3092	City, State, Zip:	Farmington, NM 87401				
Signature:  Printed name:  Title:	that the rules of the Oil Conservation Division on this form and the attached list of wells in the Conservation Devolution Royald D. John Production Accounting Spec. Operation Phone: 505-325-4007	s true and complete to  ns to n	the best of my knowledge and belief.				
Previous operato	or complete below:	1	NMOCD Approval				
		Í					
Previous Operator:	BP America Production Company	Signature:	77.5				
		S	UPERVISOR DISTRICT #3				
Previous OGRID: _	000778	Printed Name:					
Signature:	Cherry Hlava	District:	: -				
	Cherry Hlava	, Date:	FEB 1 7 2004				
	•						

District.1 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

#### State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Submit 1 copy of the final affected wells list along with 1 copy of this form per number of wells on that list to appropriate District Office

Form C-104B

March 19, 2001

#### **Change of Operator Name**

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OGRID Effective Date:	: <u>000778</u> 12/31/2001		
	perator Name and Information	on: New Oper	ator Name and Information:
Address Address	: Amoco Production Compa : P.O. Box 3092 : Houston, Texas 77253	Address: Address:	P.O. Box 3092  Houston, Texas 77253
this form and the  Signature: _  Printed name: _  Title: _	attached list of wells is true and c	complete to the best of my know	d with and that the information given on wledge and belief.
		NMC	CD Approval
		Signature:	27€
		Printed Name:SUP	ERVISOR DISTRICT #3
		District:	JAN 2 2 2002

Date:

(June 1990)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED	
udget Bureau No. 1004-0135	
Expires: March 31, 1993	

BUREAU OF LAND MANAGEMENT	Expires: March 31, 1993
SUNDRY NOTICES AND REPORTS ON WELLS  Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  Use "APPLICATION FOR PERMIT - " for such proposals	6. Lease Designation and Serial Ne,  TTC 109  8. If Indian, Affettee or Tribe Name  TICATILA  7. If Unit or CA, Agreement Designation
1. Type of Well  ON ON Well Other  2. Name of Operator Attention:  Amoco Production Company Mark R. Stelling (505.) 326-9432  3. Address and Telephone No.  200 Amoco Court, Farmington, NM 87401  4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  SELY NELY Sec. K. TAN R5W	8. Wall Name and No.  JICACIII A B 7  8. API Woll No.  30-039-08096  10. Field and Pool, or Exploratory Area  DAKAS / GAIIUP / MPSAJPIA  11. County or Parish, State
12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE.  TYPE OF SUBMISSION TYPE OF ACTION	RIO Arriba , NM REPORT, OR OTHER DATA
Accomple	Change of Plans  New Construction  Non-Routine Fracturing  Water Shut-Off  Conversion to Injection  Dispose Water port results of multiple completion on Well Completion or tion Report and Log form. I
	and the second second and the second
13. Describe Proposed or Completed Operally Helder States at partinent datas, and give pertinent dates, including estimated data of states autosurface locations and measured and true vertical dapths for all markers and zones pertinent to this work.]  The subject well first delivered Mac, 4, 1995 As & commingled.  If was recumplified from a durit string Dakota - Gallup producer string Dakota - Gallup producer.  String Dakota - Gallup - Mesalverite well. Initial production rate.	property in 3 formations. (DØI-DØ2) to A single
The subject well first delivered Man, 4,1995 as a commingled. The subject well first delivered Man, 4,1995 as a commingled. It was recomplified from a dual string Dakota - Gallup producer string Dakota - Gallup - Mesavente well. Initial production rate and J. BLUPD. I called the NMOCD regarding the reported formations and in this case each formation is to be reported tell Amoco would like to use hole codes SOI for the Gallup and SO3 for the Mesaverde. Plase let us know	property in 3 formations. (DØ1-DØ2) to A single is are 145 metal, 1 BOPI ting of the Dakota-GAL individually. In this
The subject well first delivered Man, 4,1995 As & commingled. The subject well first delivered Man, 4,1995 As & commingled. It was recomplated from a dual string Dakota - Gallup producer string Dakota - Gallup producer and Dakota - Gallup - Mesavente well. Initial production rate and J. BLUPD. I called the NMOCD regarding the reported formations and in this case each formation is to be reported	property in 3 formations. (DØ1-DØ2) to A single is are 145 metal, 1 BOPI ting of the Dakota-GAII individually. In this Dakota, SØZ for the If this is acceptable

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District III

. State of New Mexico
Energy, Albertal & Haberal Resources Department

OIL CONSERVATION DIVISION PO Box 2088 -

Form C-104 Revised February 21, 1994 Instructions on back Submit to Appropriate District Office 5 Copies

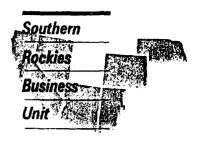
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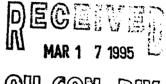


March 15, 1995

Mr. William J. LeMay, Director New Mexico Oil Conservation Division 2040 S. Pacheco Street P. O. Box 6429 Santa Fe. NM 87504

Application for Exception to Rule 303-A
Downhole Commingling
Jicarilla B #7 Well
1850' FNL, 1150' FEL, Section 16-T26N-R5W
Blanco Mesaverde, Tapacito Gallup and Basin Dakota Pools
Rio Arriba County, New Mexico





OHL CON. DIV. Dist. 3

Amoco Production Company hereby requests administrative approval to downhole commingle production from the Blanco Mesaverde, Tapacito Gallup and Basin Dakota Pools in the Jicarilla B #7 well referenced above. The Jicarilla B #7 well was originally a dual completion in the Dakota and Gallup. We have recently recompleted the well to the Mesaverde with all three zones open in the wellbore. The well is shut-in waiting on commingling approval. The three zones are expected to produce at a total commingled rate of about 150 mcfd. The ownership (WI, RI, ORRI) of these pools is identical in this wellbore. Downhole commingling will offer an economical method of production while protecting against reservoir damage, waste of reserve and violation of correlative rights. Offset operators to this well will receive a copy of this application by certified mail. If there are any questions concerning this matter, please contact me at (303) 830-5072.

Sincerely,

J. W. Hawkins

**Enclosures** 

CC:

Wayne Branam Steve Smethie

Frank Chavez, Supervisor Amoco District III 1000 Rio Brazos Road Aztec, NM 87410 Robert Kent Bureau of Land Management 435 Montano NE Albuquerque, Nm 87107

#### **Offset Operators**

Conoco 10 Desta Drive Midland TX 79701-4515 Attn: Jerry Hoover

Meridian Oil Inc. PO Box 4289 Farmington NM 87401 Attn: Alan Alexander

Southland Royalty PO Box 4289 Farmington NM 87401

#### Application for Exception to Rule 303: SEGREGATION OF PRODUCTION FROM POOLS

#### Requirements

Name and address of the operator: (1)

**Amoco Production Company** P.O. Box 800 Denver, CO 80201

Lease name, well number, well location, name of the pools to be commingled: (2)

Lease Name:

Jicarilla B

Well Number:

Well Location:

1850' FNL & 1150' FEL Section 16, T26N-R5W

Rio Arriba County, New Mexico

**Pools Commingled:** 

Blanco Mesaverde

Tapacito Gallup

Basin Dakota

(3) A plat of the area showing the acreage dedicated to the well and the ownership of all offsetting leases.

#### Attached

A current (within 30 days) 24-hour productivity test on Division Form C-116 showing the amount of oil. (4) gas and water produced from each zone.

Prior to recompletion, the Basin Dakota produced an average stabilized rate of 70 mcfd and 0.2 bcpd. The Tapacito Gallup zone produced intermittently with an average rate of about 20 mcfd and 1 bcpd. The Blanco Mesaverde zone tested at about 20 mcfd but still needed to clean up from frac fluid. Additional testing of the commingled zones will be conducted to determine the initial rate for the Blanco Mesaverde.

A production decline curve for both zones showing that for a period of at least one year a steady rate of (5) decline has been established for each zone which will permit a reasonable allocation of the commingled production to each zone for statistical purposes. (This requirement may be dispensed within the case of a newly completed or recently completed well which has little or not production history. However, a complete resume of the well's completion history including description of treating, testing, etc., of each zone, and a prognostication of future production from each zone shall be permitted.)

Blanco Mesaverde:

New Completion.

**Tapacito Gallup Completion:** 

Historical production curve attached.

**Basin Dakota Completion:** 

Historical production curve attached.

(6) Estimated bottomhole pressure for each artificially lifted zone. A current (within 30 days) measured bottom hole pressure for each zone capable of flowing.

**BH Pressure** 

SI Tubing Press.

Fluid Level

Blanco Mesaverde Completion: **Tapacito Gallup Completion:** 

605 psi 612 psi 560 psi 520 psi

**Basin Dakota Completion:** 

\*1080 psi

\*760 psi

93'

\* pressures based on average of Jicarill B-7, B-7E, and B-3 Dakota completions.

(7) A description of the fluid characteristics of each zone showing that the fluids will not be incompatible in the wellbore

The fluids have no abnormal components that would prohibit commingling, or promote the creation of emulsions or scale (see attached produced gas and fluid analysis).

(8) A computation showing that the value of the commingled production will not be less than the sum of the values of the individual streams:

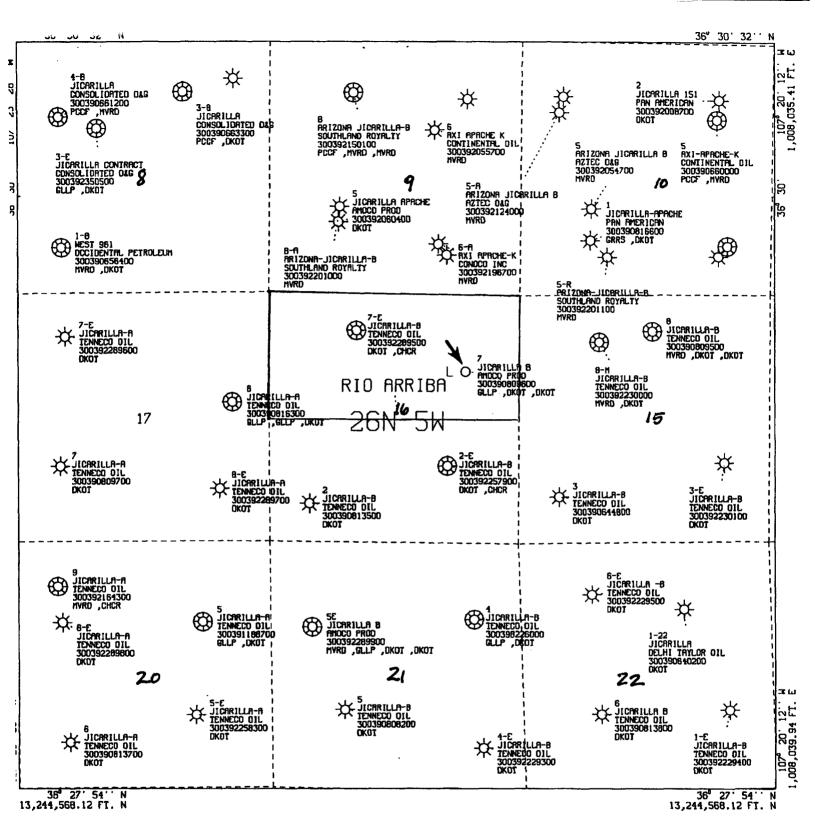
Since the BTU content of the produced fluids are very similar, we would expect the commingled production to have the same value as the sum of the individual streams.

(9) A formula for the allocation of production to each of the commingled zones and a description of the factors or data used in determining such formula:

Based on the historical production trends with the Basin Dakota currently producing an average of about 70 mcfdand 0.2 bcpd and the Tapacito Gallup currently producing an average of about 20 mcfd and 1 bcpd, we propose an allocation factor using a fixed percentage for each zone. The Blanco Mesaverde zone will be determined after additional testing to aid in determination of the allocation factor

(10) A statement that all offset operators and, in the case of a well on federal land, the United States Bureau of Land Management, have been notified in writing of the proposed commingling.

BLM will receive a copy of this application by certified mail. The offsetting operators listed on the attached sheet will receive a copy of this application by certified mail.



All geological and geophysical data, including the interpretation thereof, appearing on this map is the private and confidential property of Amoco Production Company. The publication or reproduction thereof without the written permission of said Company is strictly prohibited.

POLYCONIC CENTRAL MERIDIAN - 107° 21' 50' W LON SPHEROID - 6 AMOCO PRODUCTION COMPANY
PLAT MAP
JICARILLA B #7
MESAVERDE
DAKOTO AND GALLUP OFFSET WELLS

whittee .4 PO Drawer DD, Artesla, NM 88211-0719 District III

# OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

Instructions on back Submit to Appropriate District Office State Lease - 4 Copies

Fee Lease - 3 Copies

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1000 Riu Bruzus Rd., Aztec, NM 87410 District IV

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### WELL LICATION AND ACREAGE DEDICATION FRAT

Poin C-102 Supersedes C-128 'Effective 1-1-65

/.		All distant	nces must be f	rom the out	or boundaries of	the Section.		
Operator				Legao	·			Well No.
✓ Tenneco (	Oil Company			] j	icarilla '	"B"		7
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							shown on notes of under my is true o	certify that the well location this plat was plotted from field actual surveys made by me or supervision, and that the same and correct to the best of my e and bolief.
·	 			·	         		Date Survey  Registered and/or Lane	Professional Engineer
					<u>.                                    </u>		Certificate	No.

#### MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACERAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

Operator Ambo	COMPANY	المسلامه	,	JICARILLA	uBn		Well No.	•
Unit Letter H	Section 16	Township	26 North	Ronge 5 West	County Rio	Arriba		
Actual Footage Lo. 1850	cation of Well:	North	line and	1150	feet from the	East	line	
Ground Level Elev. 6610 ungrad		Formation  Dakota		Pool Basin Dak	ota	•	Dedicated Avereage:	Acres
6610 tungrad	ed Basi	n Dakota	biect well by c		<del></del>	on the pla	320 N/2	

- 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty),
- 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

					•
1	) Yes	- (	) No	If answer is "ves" type of consolidation	)
٠,	, ,,,		, , ,	in district is yes, type of consolidation	***************************************

If answer is "no," list the owners and tract descriptions which have actually consolidated. (Use reverse side of this form if 

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forcedpooling, or otherwise) or until a non standard unit, eliminating such interests, has been approved by the Commission.

#### CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best

Br. Production Clerk

Tenneco Oil Company Company

August 16 Dote

that the same is true and correct to the best of my knowledge and belief.

28 June 1966

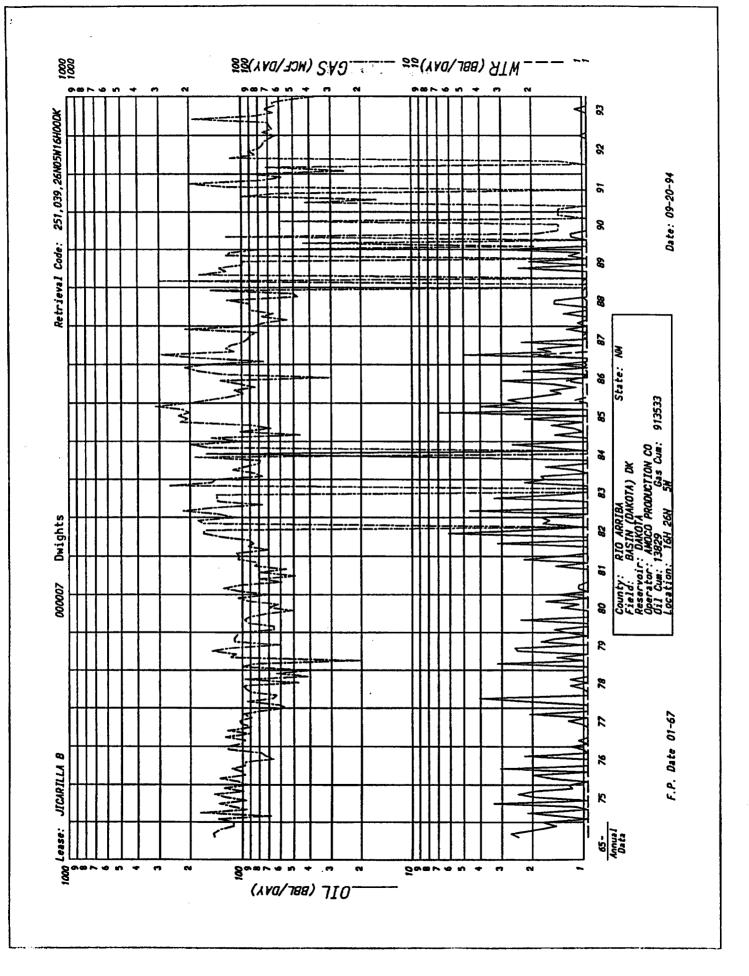
and/or Land Surveyor

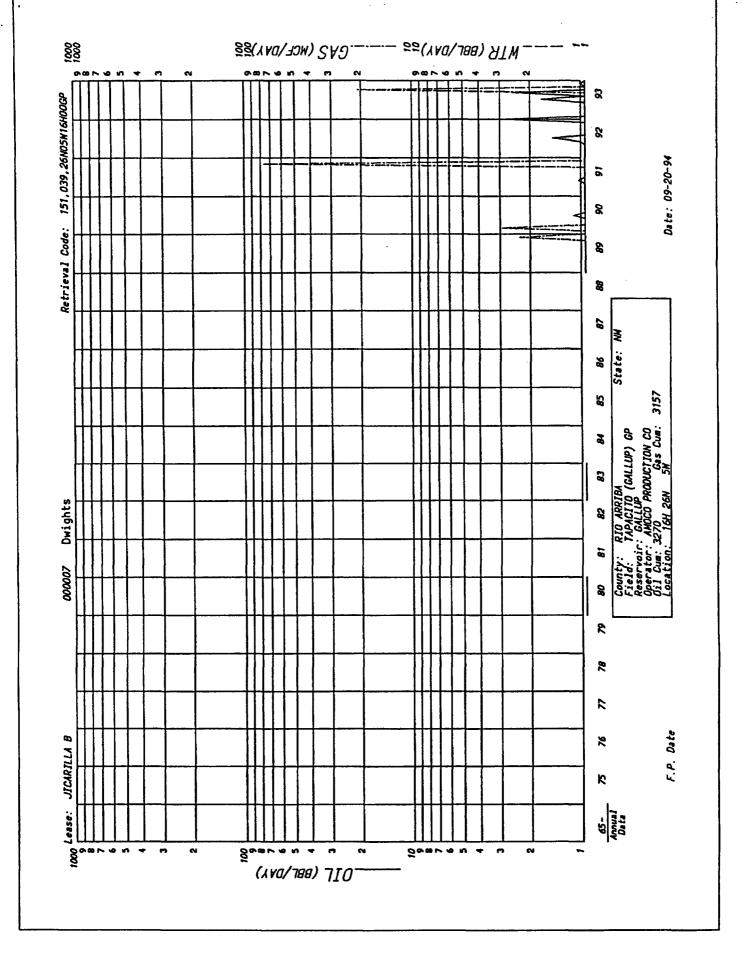
Robert H. Ernst N. Mex. PE & IS 2463

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ERNST ENGINEERING CO. DURANGO, COLORADO





### JICARILLA B 7 Sec. 16-T26N-R5W

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### Rio Arriba County, New Mexico Cliff House Recompletion Summary

- The wellbore was shut-in and surface pressure data for both the Dakota and Gallup completions were obtained. The estimated bottomhole pressure for the Dakota formation is approximately 1500 psi and the estimated bottomhole pressure for the Gallup formation is approximately 600 psi.
- The model D packer set at 7290', between the Dakota and Gallup formations, was milled up and removed from the wellbore.
- 3. A retrievable bridge plug (RBP) was set at 6000' to isolate, the Dakota and Gallup completions from the Mesaverde Cliff House recompletion fluids and frac pressures.
- 4. The casing was pressure tested to 3000 psi successfully.
- A cement bound log was run over the Mesaverde Cliff House recompletion interval. The top of cement was identified at 5010', which was below the top of the Mesaverde Cliff House zone.
- Cement squeeze hole were shot at 4840' and squeezed with 100 sacks of class B cement to isolate the top of the Mesaverde Cliff House zone.
- 7. The Mesaverde Cliff House zone was perforated with 4 shots per foot from 4854'-4890', and 4910'-
- 8. A frac liner was set over the cement squeeze holes at 4840'.
- 9. The Mesaverde Cliff House perforations from 4854'-4920' were fracture stimulated with nitrogen and 109,000 pounds of 16/30 sand.
- 10. The frac was flowed back for 2 days to allow the completion to clean up.
- 11. The frac liner was removed and the wellbore was circulated clean to 5706'.
- 12. The completion was flow tested for 7 days. Results are listed below:

			Tbg				
		Choke	Back	Flowing	,		
	Test	Size	Press	Csg	•		
<b>Date</b>	Hours	Inch	Psi	Psi	MCFD	<b>BWPD</b>	BOPD
1/22/95	24	32/64	0	20	220	67	0
1/23/95	24	32/64	0	18	200	30	0
1/24-25/	195 SI	rut-in ove	r the wee	kend for 4	8 hours		
1/26/95	24	-	100	335	22	30	0
1/27/95	24	-	100	350	19	25	0
1/28/95	24	-	90	320	17	25	0
1/29/95	24	-	80	310	18	20	0
1/30/95	24	-	75	265	18	10	0

- 13. The wellbore was cleaned out and the RBP at 6000' was removed.
- 14. The wellbore was cleaned out to 7582' with nitrogen.
- 15. Tubing (2-1/16) was landed at 7357'. Waiting for downhole commingle approval.



1115 Farmington Avenue Parmington, N.M. 87401 (505) 325-6622

Analysis No. AMO42049 Cust. No. 12300-16575

#### WELL/LEASE INFORMATION

Company Well Name . AMOCO PRODUCTION COMPANY

Bource

: 630 PSIG

County

1 JICARILLA B - #7

Pressure Pressure : 630 PSIG Sample Temp. : N/A DEG.F

State

Well Flowing : NO

Location

Date Sampled : 12/26/94

Fld/Formation : DAKOTA Cust.Stn.No. :

sampled By : L & L

Foreman/Engr : HIKE ROWLAND

Romarks:

"VVVII2TP									
mponent	MOLE &		<b>GPM</b>						
TROGEN	0.245		0.0000						
2	1.003		0.0000						
THANE	80.002		0.0000						
HANB	12.697	•	3.3964						
OPANE	4.363		1.2024						
BUTANE	0.469		0.1534						
BUTANE	0.680		0.2146						
Pentane	0.220		0.0805						
PENTANB	0.125	* .	0.0453						
Xanba	0.196		0.0855						
TAL	100.000		5.1779						
MPRESSIBILITY	FACTOR	(1/3)	1.0033						
U/CU.PT.(DRY)			1210.5						
			1189.5						
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U/CU.FT.(DRY) U/CU.FT.(WET)		(1/1) POR (1/2) FOR (1/2)	121						

#### ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

CYLINDER #

: 015

CYLINDER PRESSURE : 96 PSIG

RUN DATE

: 12/28/94

ANALYSIS RUN BY

: LISA CLAYTON



### AMOCO PRODUCTION COMPANY WELL ANALYSIS COMPARISON

ASE	: JICARILL	A B 7	, CASING	01/29/1995
'N.NO.	:	ift Gal	(of	12300-16570
	X	ift Gal	•	
\TE		12/26/94		
IN NR.	AMO50186	AMO42048		
****	******	*****	******	**********
TROGEN	0.731	0.388		
)2	0.289	0.370		
	00 504	50 100		•

83.594 78.498 **THANE** 8.625 9.790 'HANE 4.121 COPANE 6.061 0.760 1.293 -BUTANE 1.009 2.106 -BUTANE 0.760 -PENTANE 0.344 0.227 0.478 ·PENTANE 0.300 0.256 XANES

## HALLIBURTON ENERGY SERVICES FIELD LABORATORY WESTERN AREA

#### LABORATORY ANALYSIS

To: AMOCO	<u> </u>	Date: <u>01</u>	-31-95	<del></del>	
Submitted by: MIKE ROWLAND		Date Rec.	01-31-9	5	
Well No. JICARILLA B-7	Location:	SEC16-2	6N-5W	<del></del>	****
sample Mark Lift House	Attention:				in the second
Specific Gravity	1.008				
рH	7.42	·	-	·	
Resisitivity	.696@ 68 <sup>0</sup>				
Iron(Fe)	10		Milligrams	per Liter	
Potassium(K)	450		**	91	. 1 15. 277
Sodium(Na)	785		11	**	•
Calcium(Ca)	51		**	**	و موروده پرسود هودن
Magnesium(Mg)	72	<del></del>	11	••	•
Chlorides(Cl)	200		21	**	•
Sulfates(SO <sub>4</sub> )	480		*1	••	
Carbonates(CO3)	0		et .	**	
Bicarbonates(HCO3)	2379		11	**	
Total Dissolved Solids	4427		**		•
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	7	Location	FARMING'	ron	
•				41	

NOTICE: This report is limited to the described sample tested. Any person using or relying on this report agrees that Halliburton shall not be liable for any loss or damage whether due to act or omission resulting from such report or its use.



### STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

#### OIL CONSERVATION DIVISION

2040 S. PACHECO SANTA FE, NEW MEXICO 87505 (505) 827-7131

#### **ADMINISTRATIVE ORDER DHC-1118**

Amoco Production Company P.O. Box 800 Denver, Colorado 80201-0800

Attention: Mr. J.W. Hawkins

DECEIVED APR 1 1 1995

OIL COM. DIV.

Jicarilla "B" Well No.7
Unit G, Section 16, Township 26 North, Range 5 West, NMPM, Rio Arriba County, New Mexico.
Blanco Mesaverde, Tapacito Gallup (Associated), and Basin Dakota (Prorated Gas) Pools

Dear Mr. Hawkins:

Reference is made to your recent application for an exception to Rule 303-A of the Division Rules and Regulations to permit the subject well to commingle production from both pools in the wellbore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of Rule 303-C, and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion and required separation of the two zones is hereby placed in abeyance.

In accordance with the provisions of Rule 303-C-4., total commingled oil production from the subject well shall not exceed 20 barrels per day, and total water production shall not exceed 40 barrels per day. The maximum amount of gas which may be produced daily from the well shall be determined by Division Rules and Regulations or by the gas allowable for each respective prorated pool as printed in the Division's San Juan Basin Gas Proration Schedule.

In accordance with the provisions of Rule 303-C, the supervisor of the Aztec District Office of the Oil Conservation Division shall determine the proper allocation of production from the subject well following its completion.

FURTHER: The operator shall notify the Aztec District Office of the Division upon implementation of the commingling process.

Pursuant to Rule 303-C-5, the commingling authority granted by the order may be rescinded by the Division Director if, in his opinion, conservation is not being best served by such commingling.

Approved at Santa Fe, New Mexico on this 7th day of April, 1995.

STATE OF NEW MEXICO

OIL CONSERVATION DIVISION

WILLIAM J. LEMAY

Director

SEAL

WJL/BES

cc: Oil Conservation Division - Aztec

Bureau of Land Management - Farmington

Form 3160-4 (October 1990)

### UNITED STATES DEPARTMENT OF THE INTERIOR

FOR APPROVED OMB NO. 1004-0137 Expires: December 31,1991

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		BUILE							/_	<u> </u>		CONTRACT 109	
WELL C	OMPLE	TION (	OR RECO	MPLE	TION F	REPOR	T ANI	D LOG	* /			E OR TRIBE NAME	
1a. TYPE OF WEL	L:	OIL	GAS WELL	X DRY	П	THER			$\overline{}$	7. UNIT AGRE			
b. TYPE OF COM	PLETION:	*****	- Wat .			J				7. ONLY AUXIL	COMPANY 14	runi,	
NEW	WORK C	DEEP-	PLUG	DIFF REST	va. 🗵	THER R	ECOMPL	ETION		S FARM OR I	FASE NAI	ME WELL NO	
2. NAME OF OPERA					Att	tention:				8. FARM OR LEASE NAME, WELL NO.  JICARILLA B #7			
Amoco Production Company  WAYNE BRANAM,RM 1220  9. API WELL NO.											**		
3. ADDRESS AND T	ELEPHONE	NO,					····			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		3908096	
P.O. Box 800, De	nver, Coloi	rado 802	201			(303) 830-4912				10. FIELD AND POOL, OR WILDCAT			
4. LOCATION OF W		location cl	•		any State re	-			· ·	BLANCO M			
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	•										Section	1 16	
At total depth											26N	Range 5W	
				14. PE	RMIT NO.		DATE	SSUED		12. COUNTY OR 13. STATE			
···	<b></b>									RIO AR		NM	
15. DATE SPUDDED	16. DATE 7		HED   17. DAT	E COMPL		rod.)	18. ELEV	•		rt, GR, etc.)•	19. E	LEV. CASINGHEAD	
09/04/66	ł	/16/66			9/95	M E CO) (D			510 GR				
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7670 24. PRODUCING INTE	660	76		D. BOTEDO	/ MANGE C	M AND T	3	<u> </u>		150	125	NO NAS DEPOSITONAL	
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28.						eport all si					ــــــ		
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5 1/2"		£ 15.5#		68	+	7/8"							
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	-				+		_						
29.	_1	LI	NER RECORD		1			30.		TUBING R	ECORD	)	
SIZE TOP (MD) BOTTOM (MD) SACKS CEMENT				EMENT*	SCREEN	(MD)	MD) SIZE		DEPTH SET (MD)		PACKER SET (MD)		
		i		<del>                                     </del>				2.063		7355			
				<b>1</b>									
31. PERFORATION RE	CORD (Interv	ol, size and	number)			32.	ACID	SHOT, I	FRACTU	RE, CEMENT	SQUE	EZE, ETC.	
4854-90, 4910-20	W /4 JSPR	- 45" HC	NF 19 GRAN	A CHG 18	A TOT	DEPTH	INTERVA	L (MD)	A)	MOUNT AND E	IND OF	MATERIAL USED	
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										109,4	00#16	3/30 SD	
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					<del></del>	L			N	IAX PSI 262	5 MAX	RATE 41 BPM	
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DATE FIRST PRODUCT	1	PRODUCT	ion method (	Flowing, ga		•	d type of pu	m(p)		WELL	t-in)	S (Producing or	
01 20 199						MING						SHUT IN	
DATE OF TEST	HOURS TE		CHOKE SIZE	PROD	'N FOR PERIOD	OIL - BBI	l <del>.</del>	GAS - M		WATER - BB	ا_ ا	GAS-OIL RATIO	
01 20 1995	24		1/2				0	2	20	60	<del></del>	BURNA	
FLOW TUBING PRESS	j		CALCULATED 24-HOUR RAT	E   OIL-1	-BBL G		2- WCKO		WATER - BBL.			角ではまる	
O1 20 1995  24  1/2  IEST PERIOD  O  220  60  EDITOR  FLOW TUBLING PRESS CASING PRESSURE  A+HOUR RATE  A+HOUR RATE  A-HOUR RATE  TO BE SOLD  TO BE SOLD  O  220  60  WATER - BBL  OIL - BBL								- EED 2 1 1005					
94. DISPUSITION OF G	AS (SOIA, KA	ea for fuel,	varied, etc.) TO BE SOL	D	CEPT'	ED ,		1	iest wit	NESSED BY		FEB 2 1 1995	
SS. LIST OF ATTACHM	(ENTS		10 05 301	. <u>.                                   </u>	+Cr.					· · - · · ·	(A)	THE COMMENTS IN	
o. Mai of allacam	*****										WI.	nr Gom d	
36. I hereby certify a	hat the form	gning and	etteched info-	nation is co	molete ec	d correct -	determin	ed from -	ll aveilabl	le recorde	<del></del>	<del>- DIFF: 3 -</del>	
Jo. I horoby certify			erestana mmoti		enfrees and	- voltert ti	- wwimil	~~ 4.VU. 4		- 10001794			
SIGNED	Vans	- <u>}</u>		т	TITLE _	В	USINESS	ANALYS	ST	DA1	Æ	02-07-1995	

	Dalco7A	Mospuerde	Pictored		including depth interval test
	058L	4868	S S	,	red, cushion used, time tool op
	7628	4920	3200		BOTTOM
	Sand Shale	Sand, Simba	Sand, Shale		including depth interval tested, cushion used, time tool open, flowing and shuf-in pressures, and recoveries):  FORMATION TOP BOTTOM DESCRIPTION. CONTENTS. ETC.
•.	Gallup Graewhord Dalcota	Marros	Pictured Crift	NAME	38. GEO
	7340		3130	MEAS. DEPTH	GEOLOGIC MARKERS
				TRUE VERT. DEPTH	0

Form 3160-5 (June 1990)

### UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED Budget Bureau No. 1004-0135

Expires: March 31, 1993

		<b>\</b>				
SUNDRY NO	5. Lease Designation and Serial No.					
Do not use this form for prop	JICARILLA CONTRACT 109 6. If Indian, Allottee or Tribe Name					
Use "APPLIC	S. II IIIMAT, PAUCUS & TILLS NATIO					
		JICARILLA DULCE				
		7. If Unit or CA, Agreement Designation				
1. Type of Well						
Oil Gae Other		8. Well Name and No.				
2. Name of Operator	Attention:	JICARILLA B #7				
Amoco Production Company	WAYNE BRANAM,RM 1220	1				
3. Address and Telephone Ne. P.O. Box 800, Denver, Colorad	80201 (303) 830-4912	3003908096				
		10. Field and Pool, or Exploratory Area				
4. Location of Well (Footage, Sec., T., R., M., or	20. sek Describitout	BLANCO MESAVERDE  11. County or Perioh, State				
1850 1150	Sec. 16 T 26N R 5W UNITH					
		RIO ARRIBA NM				
12. CHECK APPROPR	ATE BOX(s) TO INDICATE NATURE OF NOTICE, RI	EPORT, OR OTHER DATA				
TYPE OF SUBMISSION						
	TYPE OF ACTION					
	Abendonment	Change of Plans				
Notice of Intent	Recompletion	New Construction				
Subsequent Report	Plugging Beck	Non-Routine Frecturing				
	Cesing Repair Altering Cesing	Water Shut-Off				
Final Abandonment Notice	Other	Conversion to Injection Dispose Water				
	(Note: Report	rt results of multiple completion on Well Completion or n Report and Log form. )				
12 Parcilla Sugarand or Completed Operation						
	Clearly state all pertinent details, and give pertinent dates, including estimated date of starting vertical depths for all markers and zones pertinent to this work.]*	any proposes work . It was a consciously disted, five				
AS PART OF THE RECOMPLI WORK DONE.	ETION OF THIS WELL TO THE BLANCO MESAVERDE, THE WE	ELLBORE HAD SOME REMEDIAL CMT				
DINLED TOO SET DILIC AT	7200 DV TDC 00500 600# CALLID TDC 00500 520# CAL	LUD COC FOR # NUMBER OUT OF				
	7280, DK TBG PRESS 680#, GALLUP TBG PRESS 520#, GAL	•				
MOD D PKR AT 7290, TOH W/, CIRC, SET RBP AT 6000, PRESS TSTED CSG TO 3000#, RAN GR, CBL AND CCL, SHOT SQZ HOLES AT 4840-41 W/ 2JSPF, SQZED W/ 50 SX CL B AT MAX RATE OF 1.5 BPM, MAX PSI 650, DO CMT, SQZ DID NOT						
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A COMPLETION REPORT IS	ALSO BEING SUBMITTED.					
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		- 100 -				
	<b>OIL</b> CON. DIV.	OIL COM. DIV.				
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14. I hereby certify that the top of the foregoing is true and o		S STEELING				
14.1 hereby certify that the foregoing is true and of Signed Ways Ba		DIES OF S				
allege B-	DI ISINESS AND	ALYST Deta 02-07-1995				

# JICARILLA B 7 Sec. 16-T26N-R5W Rio Arriba County, New Mexico Cliff House Recompletion Procedure

#### **REASON FOR WORK**

Amoco wants to maximize the revenue generating capabilities of this wellbore by completing in the Cliff House formation and downhole commingling the Cliff House production with the existing production from the Gallup and Dakota formations. Completing the Cliff House formation will increase production from the wellbore by approximately 200 MCFD and allow for the recovery of approximately 440 MMCF of Cliff House formation gas reserves.

#### **RECOMPLETION OBJECTIVES**

Clean out the wellbore to the PBTD of 7633'. Perforate and fracture stimulate the Mesaverde Cliff House formation at 4854' - 4890', and 4910' - 4920'. Downhole commingle the Cliff House production with the existing Gallup and Dakota production and produce the wellbore through a single set of surface facilities. The estimated recompletion cost is \$100,000.

#### **NEEDS**

Individual formation flow rates, pressure data, and gas samples will need to be collected and analysised. The information will be utilized when requesting approval for downhole commingling of the production streams.

#### RISKS

The wellbore will need to be worked as hot as possible to keep from damaging the existing Gallup and Dakota completions. These two formations will be returned to production when the Cliff House completion is finished. Use 3% KCL water if kill fluid is needed.

#### SUGGESTED PROCEDURE

- 1. Shut-in the well for 72 hr. Obtain shut-in surface pressures from the tbg on the Gallup side and the tbg on the Dakota side. Collect gas samples from both completions and have analysised.
- 2. Drop a wireline with swab cups down the 2-1/16" tbg on both the Gallup completion and the Dakota completion. Identify the depth to the top of liquid on both sides. Swab and collect a representative sample of liquid from both the Gallup side and the Dakota side. Have HES perform a complete analysis of the liquid samples. The results will be used in the commingling application.
- 3. Lower the 2-1/16" tbg on the Gallup side down to the packer set @ 7290'. Circulate solids and liquid from the wellbore using N2.
- 4. TOH with the 2-1/16" tbg on the Gallup side.
- 5. Unseat the 2-1/16" tog on the Dakota side from the Baker Model D packer set @ 7290'. TOH with the tog.
- 6. Mill up the Baker Model D packer set @ 7290' using N2.
- 7. Run a bit and scraper to the PBTD of 7633'. Circulate the hole clean with N2.

- 8. Wireline set a RBP @ 6700' and cap with 5 sacks of sand.
- 9. Run a CBL\CCL\GR from 6650' to surface. Determine TOC and if cement isolates the Cliff House pay from 4800' 4950'. Cement remediation work will be done if necessary.
- 10. Pressure test csg to 3000 psi.
- 11. Perforate the Cliff House formation @ 4854' 4890', and 4910' 4920'. Correlate with Schlumberger's 'Compensated Formation Density log dated 9/19/66. Perforate with 4 JSPF, 120 degree phasing, minimum 12.5 gram charges.
- Fracture stimulate Cliff House perforations down csg according to the attached frac schedule A. Shut-in the well over night.
- 13. Flow the Cliff House completion back up csg. Flow until the well cleans up. Tag for sand over the Cliff House perforations using a wireline. If necessary, clean out any sand that covers the perforations using N2 and 2-1/16" tbg.
- 14. Hang the 2-1/16" tbg intake @ 4850'. Flow test the Cliff House completion for 5 days. Obtain flow rates and pressures and notify engineering. Collect gas and water samples on the last day and send in for analysis.
- 15. Shut-in the Cliff House completion and obtain a 48 hr surface tbg pressure. Identify the depth of the top of liquid with a wireline and swab cups. Collect a representative sample of the liquid and have a complete analysis done by HES.
- 16. Pick-up and TOOH with the RBP that is set @ 6700'.
- 17. TIH with mule shoe, SN, and 2-1/16" tbg. Land the tbg intake @ 7370'.
- 18. Swab the well in with all 3 formations open. Blow the well clean for 3 or 4 days if necessary. Return the well to production.
- 19. Amoco will want to temporarily downhole commingle, produce and sell gas from all 3 formations through common surface facilities for 60 90 days while obtaining a stabilized producing rate from the Cliff House completion. Long-term downhole commingling approval will be requested after a stabilized producing rate is established from the Cliff House.

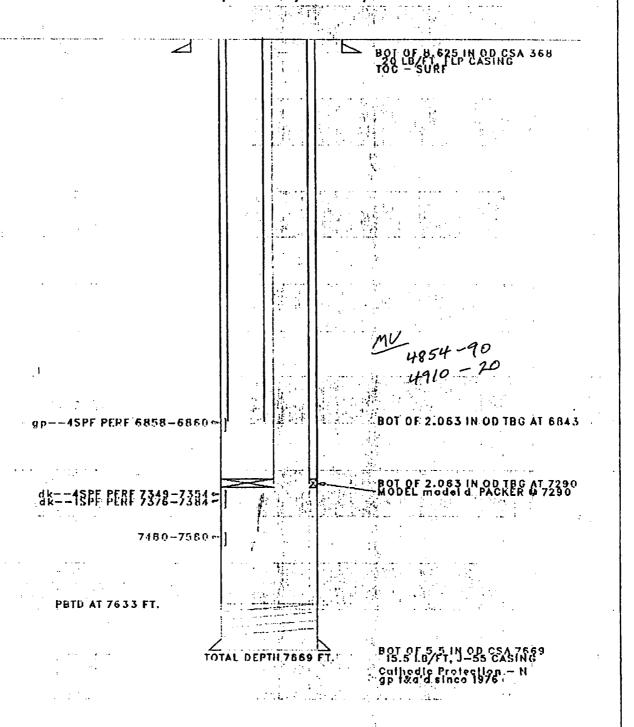
Steve Smethie, Engineer

...

Ralph Montoya, Field Foreman

Mike Roland, Operations Specialists

JICARILLA B 007 157
Location — 16H— 26N— 5W
DUAL dk—gp
Orig.Completion — 10/66
Last File Update — 1/89 by BCB



Form 3160-5 (June 1990)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993

11-01-1901

CUMDRY NO	TICES AND DEDODTS ON WELLS	5. Lesse Designation and Serial No.
	TICES AND REPORTS ON WELLS	9000109
·	posals to drill or to deepen or reentry to a different reservo	6. If Indian/Allottee or Tribe Name
Use "APPLIC	ATION FOR PERMIT - " for such proposals	
		JICARILLA DULCE
		7. M Unit or CA, Agreement Designation
	•	
1. Type of Well		
Oil Gas Other		8. Well Name and No.
2. Heme of Operator	Attention:	JICARILLA B #7
AMOCO PRODUCTION COM	PANY WAYNE BRANAM,RM	1220 S. API Well No.
3. Address and Telephone No.		3003908096
P.O. Box 800, Denver, Colored	o 80201	10. Field and Pool, or Exploratory Area
		BLANCO MESAVERDE
4. Location of Well (Footage, Sec., T., R., M., et	Survey Description	11. County or Perish, State
1850FNL 1150FEL	Sec. 16 T 26N R 5W	11. County or Farinity States
		RIO ARRIBA NEW MEXICO
CHECK ADDOODD	IATE BOX(s) TO INDICATE NATURE OF NO	OTICE BEROPT OF OTHER DATA
		F ACTION
TYPE OF SUBMISSION	1 TPE OI	PACTION
	Π., .	П
Notice of Intent	Abendonment Recompletion	Change of Plans
	Plugging Back	New Construction Non-Routine Fracturing
Subsequent Report	Casing Repeir	Water Shut-Off
	Altering Casing	Conversion to Injection
Finel Abendonment Notice	Other	Diepose Water
		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form. )
	(Clearly state all pertinent details, and give pertinent detes, including estimated vertical depths for all markers and zones pertinent to this work.)*	dete of starting any proposed work . If well is directionally drilled, give
	OMPLETE THIS WELL TO THE MESAVERDE (CLIFF)	HOUSE) PER THE ATTACHED PROCEDURE
THE WELL IS CURRENTLY A	DAKOTA PRODUCER WITH THE GALLUP SHUT IN	<b>.</b>
	·	
IF THE MESAVERDE RECOM	PLETION IS SUCCESSFUL, AMOCO WILL APPLY TO	D DOWNHOLE COMMINGLE ALL THE
FORMATIONS.		
IN ADDTION AMOCO REQUI	ESTS PERMISSION TO SELL THE GAS DURING THE	TESTING PHASE OF THIS RECOMPLETION, IN
OREDER TO GET STABILZED	RATES THE TESTING MAY TAKE UP TO NINETY I	DAYS.
		DECEIVED NOV 1 0 1994
		UU NOV 4 O 400 (U)
	·	
		OIL COM. DIV.

Title



Title 18 U.S.C. Section 1001, makes it a crime for any peri representations as to any matter within its jurisdiction.

Instructions on back

PO Drawer DD, Artesia, NM 88211-0719

PO Box 2088 Santa Fe, NM 87504-2088

District [1] 1000 Rie Bruzos Rd., Azice, NM 87410

State Lease - 4 Copies Fee Lease - 3 Copies

Strong to Appropriate District Office

OIL CONSERVATION DIVISION

#### District IV PO Box 2088, Santa Fe, NM 87504-2088 AMENDED REPORT WELL LOCATION AND ACREAGE DEDICATION PLAT 1 Pool Cade API Number 12319 3003908096 anco Mesquerde 4 Property Code Well Number DICAVILLA 000733 OCRID No. Elevation 000778 Production Com 0610GR 10 Surface Location Township UL or lot po. Section Range Lot Ida Feet from the North/South line Feet from the East/West line County 5W 1150 طا 26N N 1850 RIOAKVIDA 11 Bottom Hole Location If Different From Surface Lot Ida Feet from the UL or lot po. Section Township North/South line Feet from the East/West line County 12 Dedicated Acres 13 Joint or Infill 14 Consolidation Code 15 Order No. 320 1/2 NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION 17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is rue and complete to the best of my knowledge and belief 1150 Section 16 18SURVEYOR CERTIFICATION 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 belief. ON FILE Jul 28,1966 Date of Survey Signature and Seal of Professional Surveyer: OIL COME DIV. ك سالنا و

Certificate Number







#### ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING GOVERNOR

ANITA LOCKWOOD CABINET SECRETARY

POST OFFICE 80X 2088 STATE LAND OFFICE BUILDING SANTA FE. NEW MEXICO 87504 (505) 827-5800

**COMMINGLING ORDER PC-872** 

REGEIVE D

OIL CON. DIV.

P.O. Box 800 Denver, CO 80201

Amoco Production Company

Attention: J.W. Hawkins

LEASE NAME:

Jicarilla "B" Well No. 7

DESCRIPTION:

Tapacito Gallup Pool: N/2 and, Basin Dakota Pool: N/2 of Section 16,

Township 26 North, Range 5 West, Rio Arriba County, New Mexico.

The above-named company is hereby authorized to commingle Tapacito Gallup Pool and Basin Dakota Pool Pool production in a common separator and meter run, and to determine the production from each pool by well tests to be conducted on a bi-annual basis. (All commingled production must be of marginal nature; further, the operator shall notify the Santa Fe office of the Division in the event any well in the commingled battery becomes capable of top allowable production, at which time the Division will amend this order or take such other action as may be appropriate.

FURTHER: The operator shall notify the Aztec District Office of the Division upon implementation of the commingling process.

NOTE: This installation shall be installed and operated in accordance with the applicable provisions of Rule 303 of the Division Rules and Regulations and the Division "Manual for the Installation and Operation of Commingling Facilities." It is the responsibility of the producer to notify the transporter of this commingling authority.

REMARKS: Production may be allocated based on historical percentages for individual pools until no later than June 1994 at which time the bi-annual well tests will commence.

DONE at Santa Fe, New Mexico, on this 20th day of October, 1993.

WILLIAM J. LEMAY,

Director

cc:

Oil Conservation Division- Aztec

US Bureau of Land Management - Farmington (Attention: John Keller)

Submit 5 Copies
Appropriate District Office
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

State of New Mexico Energy, Minerals and Natural Resources Department Form C-104 Revised 1-1-89 See Instructions at Bottom of Page

OIL CONSERVATION DIVISION

P.O. Box 2088 Santa Fe, New Mexico 87504-2088

NSTRICT III OW Rio Drazos Rd., Aztec, NM 87410	REOL	IEST F		LOWAR	BLE AND A	/THOR	ZATION			
•					AND NAT		AS			
Operator AMOCO PRODUCTION COMPA	NY							Σ1 № 390809600	0	
Address P.O. BOX 800, DENVER,	COLORAT	10 8020	11							:
Reason(s) for Filing (Check proper box)	- COLOIGIE	0 0020	-		Other	(Please expl	ain)			
New Well		Change in	-							
Recompletion [ ]	Oil Casinghea	d Gas ☐	Dry Ga							ľ
change of operator give name	Carangaica									
nd address of previous operator  I. DESCRIPTION OF WELL	ANDIE	A SE		<del></del>						
Lease Name JICARILLA B	A110 13131	Well No.			ng Formation TA (PRORA	TED CA		Lease Vederal or Fee	le	sse Na
Location			I	IN DAKC	TA (FRURA	ILD GA	S) Same,	receipt of rec	_i	
Unia Letter	. ::	1 <del>650</del> /8		rom The	FNL Line a	ad1	150 Fe	et From The	FEL	Line
Section 16 Township	, 261	7	Range	5W	, NMI	PM.	RIO	ARRIBA		County
II. DESIGNATION OF TRAN	SPORTE	R OF O	IL AN	D NATU	RAL GAS_					•
Name of Authorized Transporter of Oil		or Conden			Address (Give a		• •	copy of this for		-
MERIDIAN OIL INC.  Name of Authorized Transporter of Casing	head Gas		or Dry	Gas [	3535 EAS	T 30TH	STREET,	FARMINGT	ON NM	<del>87401</del>
NORTHWEST PIPELINE COR					ł			KE CITY		08-0899
If well produces oil or liquids, ive location of tanks.	Unit	Sec.	Twp.	Rge.	is gas actually o		When			
this production is commingled with that f	rom any oth	er lease or	pool, gi	ve comminel	ing order number				·	
V. COMPLETION DATA										
Designate Type of Completion	- (X)	Oil Well		Gas Well	New Well	Workover	Deepen	Plug Back  S	arne Res'v	Diff Res'v
Date Spudded	Date Com	pl. Ready to	Prod.		Total Depth			P.B.T.D.		•
levations (DF, RKB, RT, GR, etc.)	Name of P	roducing Fo	mulios	1	Top Oil/Gas Pa	<del>y</del> .		Tubing Depth		
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HOLE SIZE	·	SING & TU				EPT		S	CEME	NT .
							AUG2			
		<del></del>					AUGA .	- 511/	- <u></u>	
	<b></b>						OD JIC	N. DIV	-	
7. TEST DATA AND REQUES						·	DIS	ī. 3		
OIL WELL (Test must be after re Date First New Oil Rua To Tank	Date of Te		of load	oil and must	be equal to or ex Producing Meth				r full 24 hour	<i>s.)</i>
Dem I that the Oil King 10 1 mm	Date Of 16				7,000.00					
Length of Test	Tubing Pre	:59JFC			Casing Pressure	1		Choke Size		
Actual Prod. During Test	Oil - Bbls.				Water - Bbis.			Gas- MCF		
GAS WELL	·				<del> </del>			J		
Actual Prod. Test - MCI/D	Length of	Test			Bbis. Condensa	WMMCF		Gravity of Co	odensale	
esting Method (pitot, back pr.)	Tubing Pro	seure (Shut	-in)	·	Casing Pressure	(Shut-in)		Choke Size		
VI. OPERATOR CERTIFIC	ATE OF	COMP	LIAI	NCE			10551			
I hereby certify that the rules and regula Division have been complied with and I				•	0	IL CON	NOEHV.	ATION D	NAISIO	N
is true and complete to the best of my k			- 1 <b>- 1</b>   1   1   1   1   1   1   1   1   1	-	Date	Approve	ed	AUG?3	1990	<u> </u>
D. D. Shley					_	Ch	-7	. \		
Signature Doug W. Whaley, Staff	Admin	. Super		r	By		SUBE	1/10/00 Pr	CTOWN	<del></del>
Printed Name _July_51990		303-8	Tale 330=4	280	Title_		JUFE	RVISOR DI	21 HCT	13
Date		303-8	phone !	Vo.	11					

- INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

  1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

Submit 5 Copies
Appropriate District Office
DISTRICT 1
P.O. Box 1980, 186bs, NM 88240

State of New Mexico Energy, Minerals and Natural Resources Department Furm C-104 Revised 1-1-89 See Instructions at Buttom of Page

OIL CONSERVATION DIVISION DISTRICT II P.O. Drawer DD, Artesia, NM 88210

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT III
1000 Rio Brazos Rd., Aziec, NM 87410

l					BLE AND L AND NA			TION			
Operator		10 Inc	11101	OHI OII	LANDINA	TOPIAL	370		DINO.	<del></del>	
AMOCO PRODUCTION COM	PANY			····	<del></del>			300	3908096	00	
P.O. BOX 800, DENVER		0 8020	1								
Reason(s) for Filing (Check proper box New Well	()	Change j#	Transo	orter of:		et (l'iease ex	plain)				
Recompletion	Oil		Dry G								
Change is Operator	Casinghea	d Gas 🔲	Conde	nsate 🔲							1
f change of operator give name and address of previous operator											
II. DESCRIPTION OF WEL	L AND LEA	ASE									
Lease Name JICARILLA B		Well No. 7	TAF		ing Formation GALLUP (	ASSOCIA:	ΓED)		l Lease Pelegal or Fe	:e	Lease No.
Location H Unit LetterH	:	<del>.650</del> -18	'50 . Fea F	rom The	FNL Lie	e and	1150	Fo	et From The	FEI	Line
Section 16 Town	ship 26N	[	Range	, 5W	,N	мрм,		RIO	ARRIBA		County
UL DECICNATION OF TR	NEDODTE	D OF O		ID NATE	DAT CAC						
III. DESIGNATION OF TRA		or Conden		T NAIU		re outbess to	which	approved	copy of this	form is to be	t seni)
MERIDIAN OIL INC.	·				3535 E	AST 30TI	I_ST	REET.	FARMIN	GTON. 1	₩
Name of Authorized Transporter of Ca	•	⊟ 	or Dn	Gas	Voolen (C)	n adaress to	WALCA	approved	copy of this	form IS to be	t Seni)
NORTHWEST PIPELINE C If well produces oil or liquids, give location of tanks.	Unit 1	Soc.	IV CT  Twp 	Rge.	ls gas actual	OX 8900. ly connected?	, SA	LT LA When	KE CITY	<del>, UT -</del> 8	3 <del>4108-0899</del>
f this production is commingled with the	at from any oth	er lease or	pool, gi	ive comming	ling order mun	ber:					
IV. COMPLETION DATA		less were		C- W-11	1	1					hwa 5 1
Designate Type of Completic	on - (X)	Oil Well		Gas Well	New Weil	Workover		Deepen	Plug Back	Same Res	v Diff Resv
Date Spudded	Date Comp	ol. Ready to	Prod.		Total Depth			_	P.B.T.D.		
Elevations (DF, RKB, RT, GR, etc.) Name of Producing Formation				Top Oil/Gas Pay Tubin				Tubing De	×h	<del></del>	
Perforations					<del></del>				Depth Casi	ng Shoe	1.
	7	UBING,	CASI	NG AND	CEMEN'I	NG RECO	RD			0 P C	
HOLE SIZE	CAS	SING & TL	BING	SIZE		DEPTH SE	ID)			ALES	MENT
					<del> </del>		<del>M</del>		<del></del>	<u>_</u>	IJ
	-				<del> </del>	·····		AUG	<del>2 3 199</del>	90	
								<b>NI</b> 6	ON.	DIV.	
V, TEST DATA AND REQU DIL WELL — (Test must be aft					he amed to a	r arceal ton a	-				house 1
Date First New Oil Run To Tank	Date of Ter		9	01 4/12 //10		ethod (Flow,				<i>jor</i> jan 24 <i>i</i>	1002.7
Length of Test	Thakin - 0				Casing Press	ure .			Choke Size		<del></del>
Lengui of Tea	Tubing Pre	spure .			Catalog Field	uis.			Chore 2122	ı	
Actual Prod. During Test	Oil - Ubis.				Water - Bbis			_,	GH- MCF		· · · · · · · · · · · · · · · · · · ·
GAS WELL								·			
Actual Froil Test - MCF/D	Length of	lest			libis. Conde	SELL MIMCF			Gravity of	Condensate	
Testing Method (pitot, back pr.)	Tubing Pre	ssure (Slaut	-in)		Casing Fresi	ure (Shul-ia)			Choke Size		·····
VI. OPERATOR CERTIF	CATE OF	COMP	LIAI	NCE	1						
I hereby certify that the rules and re					11 1	DIL CO	NS	ERV/	NOITA	DIVIS	ION
Division have been complied with a is true and complete to the best of n			en sbov	ne .	_		_		8110 -	0 4000	`
11.10	.,				Date	Approv	ed		AUG 2	3 1990	
Signature .		1			By_			3.	٠,٠		/
Doug W. Whaley, Sta	ff Admin.	Super	VÍSC Tile	or	Title			SUPE	AVISOR	DISTRI	CT #S
July 5, 1990	· · · · · · · · · · · · · · · · · · ·	303-8	30-4	1280							<del></del>

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

Submit 5 Copies
Appropriate District Office
DISTRICT J
P.O. Box 1980, Hobbs, NM 88240

### State of New Mexico Energy, Minerals and Natural Resources Department

Form C-104 Revised 1-1-89 See Instructions at Bottom of Page

#### **OIL CONSERVATION DIVISION**

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT III 1000 Rio Brans Rd., Aziec, NM 87410

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

REQUEST FOR ALLOWABLE AND AUTHORIZATION

•	7	TO TRA	NSP	ORT OIL	AND NA	TURAL GA				
Amoso Production Compa	L mar						4	IPI No.		
Amoco Production Compa	y						[3003	908096		
1670 Broadway, P. O. E	30x 800	, Denv	er,	Colorad	o 80201					
Reason(s) for Esling (Check proper box)					Oth	ct (l'lease expl	ain)			
New Well		Change in	•							
Recompletion [] Change in Operator []	Oil Casinghead		Dry G							
Columns of posentur nive name						n .1				
ad address of previous operator 1enn	ieco U1	LEA	P, 6	162 S.	Willow,	Englewoo	d, Colo	rado 80	)155	
I. DESCRIPTION OF WELL			,							
Lease Name					ng Formation					tase No.
JICARILLA B	<u></u> L	<u>/</u>	BAS1	N (DAKU	TA) IAPACI	OGAL AS	Soc. FEDE	RAL	9000	109
บ	18	(52) 50		rom The FN	τ	e and 1150	_	et From The .	FEI.	
Unit Letter	- :		, rea r	rom the	LJP	e and	170	et t-tom the .		Lips
Section 16 Township	,26N		Range	5W	, N	мрм,	RIO A	RRIBA		County
II DEGLADIATION OF THAN	CDODME			185 B1 4 PP 6 1	D. T. C. C					
II. DESIGNATION OF TRAN Name of Authorized Transporter of Oil		or Conden		U NATU		e address to wi	hick approved	copy of this i	orm is to be se	n()
										,
Name of Authorized Transporter of Casing	head Gas		or Dry	Gas (X)	Address (Giv	e address to wi	hich approved	copy of this f	orm is to be se	ni)
NORTHWEST PIPELINE CORI			· <del></del>	_,	7	X 8900,			<u>, UT 84</u>	108-0899
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	is gas actuali	y connected?	When	7		
f this production is conuningled with that f	rom any oth	er lease or	l 2001. gi	ve comming	ing order mun	ber:				
V. COMPLETION DATA			F							
Daily to Toronto Con Indian	424	Oil Well		Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Designate Type of Completion - Date Spudded		J			Total Depth	L	l	l	J	<u> </u>
тие эришев	Date Comp	a. Keady R	rioq.		Total Depui			P.B.T.D.		
Elevations (DF, RKB, RT, GR, etc.)	Name of Pr	roducing Fo	imation	1	Top Oil/Gas	Pay		Tubing Dep	th:	
				i						
Perforations								Depth Casir	g Shoe	
· · · · · · · · · · · · · · · · · · ·						DECCO		<u> </u>		
HOLERIZE	,	SING & TU			CEMENTI	NG RECOR		ı	SACKS CEMI	ENT
HOLE SIZE		3110 0 10	, Dilio	0126		DEF ITT SET		<u>`</u>	JACKS CEMI	=
		·								
Tegas suelliss bealing		ra ain			<u> </u>	~		J		
V. TEST DATA AND REQUES OIL WELL, (Test must be after re					he sound to no	arcard top all	aumbla for thi	e danet ne ha	Con full 24 hour	1
DIL WELL, (Test must be after re Date First New Oil Run To Tank	Date of Tes		07 1000	OH ONG MIGH		excera top and thod (Flow, pu			jor just 24 mou	·
						•		•		
Length of Test	Tubing Pres	sante			Casing Press	ite		Choke Size		
Addition for a restrict of the second					West of the			Gas- MCF		
Actual Prod. During Test	Oil - Ibls.				Water - Bbls.			UAS- MICE		
ALC THE !	l				l	<del></del>		J		
GAS WELL Actual Prod. Test - MCF/D	Length of 1	,			Bbis. Conder	- Ware		TALESSEE LA		
Actual Flor Less - MCLAD	Central of 1	i CAL			Bots. Conger	MARKING PARCE.		Gravity of C	CONDENSALS	'
esling Method (pilot, buck pr.)	Tubing Pres	saure (Shut	·in)		Casing Press	re (Shut-in)		Choice Size	<del></del> :	- <del></del>
	ł				1			1		,
VI. OPERATOR CERTIFICA	ATE OF	COMP	LIAI	NCE						
I hereby certify that the rules and regula					(	DIL CON	ISERV	MOHA	DIVISIO	M
Division have been complied with and to is true and complete to the best of my k			en abov	•	_					
		vente.			Date	Approve	dM	AY 08	daa	·
4. J. Ham	Oton	/_			_		7 .	1	/	
Signature	_				By_		<u></u>	· 04	<b>-</b>	
J. L. Hampton Sr Printed Name	Staff	Admir	L. Su Title	prv.		1	BUPERVI	SION DI	STRICT #	3
Janaury 16, 1989		303-8	30-5		Title			<del></del> -		
Date		Tele	phone i	No.	<u> </u>					

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- Request for altowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

Submit 5 Copies
Appropriate District Office
DISTRICT 1
P.O. Box 1980, Hobbs, NM 88240

#### State of New Mexico Energy, Minerals and Natural Resources Department

Form C-104 Revised 1-1-89 See Instructions at Bottom of Page

#### OIL CONSERVATION DIVISION P.O. Box 2088 DISTRICE II P.O. Drawer DD, Artesia, NM 88210

Santa Fe, New Mexico 87504-2088

DISTRICT III 1000 Rio Brazza Rd., Aziec, NM 87410 REQUEST FOR ALLOWABLE AND AUTHORIZATION

I	Ţ	OTRAN	SPORT C	IL AND NA	TURAL G				
Operator						Well	API No.		,
Amoco Production Cor	npany		······			3003	908096		
Address 1670 Broadway, P. O.	. Box 800.	Denver	. Colora	do 80201	•				
Reason(s) for Filing (Check proper box					et (l'lease expl	ain)			
New Well		Change in To	ransporter of:	. –					
Recompletion	Oil	_	ny Gas 📙	)					
Change in Operator		Gus L C	<del></del>	]					
If change of operator give name and address of previous operator	enneco Oil	E & P,	6162 S.	Willow,	Englewoo	d, Colo	rado 80	)155	
II. DESCRIPTION OF WEL	L AND LEA	SE							
Lease Name			ool Name, Inch	uding Formation				L	ease No.
JICARILLA B	7	7 <u>B</u> A	ASIN (DAI	KOTA)		FEDE	RAL	9000	109
Location	. 165	20	_						1
Unit Letter H	165	50 F	eet From The	CNL Lin	e and 1150	Fe	et From The	FEL	Line
Section 16 Town	ship 26N	R	ange5W	,N	MPM,	RIO A	RRIBA		County
III. DESIGNATION OF TR		R OF OIL	AND NAT	URAL GAS					
Name of Authorized Transporter of Oi	י נט	or Condensat	* 🕡		e address to w				ni)
CONOCO	·				X 1429,				
Name of Authorized Transporter of Ca	-		r Dry Gas 💢	- '	e address to wi				
NORTHWEST PIPELINE CO If well produces oil or liquids,			Wp. Rs	re. Is gas actuall	X 8900	DALI LA		<u>. UL 84</u>	ากจ-กรลล
give location of tanks.	_ i	i	i i		,	1	•		
If this production is commingled with t	hat from any othe	r lease or po	ol, give commi	ngling order num	ber:				
IV. COMPLETION DATA		·							
Designate Type of Completion	on ( <b>Y</b> )	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Dack	Same Res'v	Diff Res'v
Date Spudded		. Ready to P		Total Depth	l	L	1	J	_ <del> </del>
Date Spaces	Date Coniți	. Keady to F	IUQ.	rom Depui			P.B.T.D.		
Elevations (DF, RKB, RT, GR, etc.)	Name of Pro	ducing Form	nation	Top Oil/Gas	Pay		Tubing Dep	ch	
. , , , ,		•					Transport		
Perforations							Depth Casir	ng Shoe	
							<u> </u>		
				D CEMENTI					
HOLE SIZE	CAS	ING & TUB	NG SIZE	-	DEPTH SET		ļ	SACKS CEM	<u>-NI</u>
				_	<del></del>		·		
				-					
V. TEST DATA AND REQU									
	er recovery of tole		load oil and m					for full 24 how	·s.)
Date First New Oil Run To Tank	Date of Tes	l .		Producing M	ethod (Flow, pi	emp, gas lift, e	tc.)		
Length of Test	Tubing Pres	SUICE		Casing Press	ine .		Choke Size		
Actual Prod During Test	Oil - Ilbis.		· · · · · · · · · · · · · · · · · · ·	Water - Bbls.			Gas- MCF		
							<u> </u>		
GAS WELL									
Actual Prod. Test - MCI7D	Length of T	est		Bbls. Condes	sate/MMCF		Gravity of C	Condensate	
l'esting Method (pant, back pr.)	I ubing Pies	anie (Shut-in	)	Casing Press	ine (Shut-in)		Choke Size		'
W Ourn Aron ornan		GO1 413	1 4 5 100	-			J		
VI. OPERATOR CERTIF  I hereby certify that the rules and re				-    -	DIL CON	ISERV	MOITA	DIVISIO	N
Division have been complied with a				- 11					
is true and complete to the best of r	ny knowledge and	d belief.		Date	Approve	a 1	1AY 08	1999	
111	24			Date	Things	·	A		
y. J. Star	noton			By_		るシ	). <i>E</i> l	•	
Signature	. •	Admi-	C	by -		SUPPOVI	SION DI	STRICT #	3
J. L. Hampton Printed Name	III BIE	Ti	itle	Title				~=m=v= #	•
Janaury 16, 1989		303-83		''''					
Date		Telephi	one No.	11					

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

#### STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

40. OF COPIES RECE	WED	
DISTRIBUTION		
SANTA FE		
FILE		
U.S.O.B.		
LAND OFFICE		
TRANSPORTER	OIL	
TRANSPORTER	GAS	
OPERATOR		
PRORATION OFFICE		

#### OIL CONSERVATION DIVISION P.O. BOX 2088 8ANTA FE, NEW MEXICO 87501

Form C-104 Plevised 10-01-78 Format 08-01-83 Page 1

REQUEST FOR ALLOWABLE AND

RECEIVED NOV231887

PROPATION OFFICE	AUTHO	RIZATION TO TRANS	PORT OIL AND	NATURAL GAS	DIL COM	
Operator Tenneco Oil Company					DIL CON DIV	• '
P.O. Box 3249, Engle	 ⊵wood, CO	80155	***************************************			
Reason(s) for filing (Check proper box)	<del></del>		Other	(Piesse explain)	<del></del>	
Recompletion Oil	n Transporter of: singhead Gas	Dry Gas Condensate			nsate transporte Conoco effective	
tf change of ownership give name and address of previous owner			<del></del>			
II. DESCRIPTION OF WELL AND	LEASE WELL	Pool Name, Including Form	-Man		* Jicarilla Com	nt. 109
Jicarilla B	7	Basin Dakota		Kind of Lasse State, Federal	Indian	Lacse No.
Unit Letter H :	1850	Feet From The NO	<u>th</u> un	and 1150	Feet From The <u>East</u>	<u> </u>
Line of Section 16	Township	26N	Range 5W		мири, Rio Arriba	d. County
III. DESIGNATION OF TRANSPO		AND NATURAL GAS				
Name of Authorized Transporter of Oil 🗇 or (	Condensate X			ess to which approved copy	•	
CONOCO  Name of Authorized Transporter of Casingheed	Gos I or Dry God/	<del></del>	Address (Glass address	460, Hobbs,	NM 8824U	
Northwest Pipeline	X		1		on, NM 87401	
HOI CIMESC PIDETTIE	Unit Sec.	Twp. Rgs.	is gas actually con	nected?	When	···
If well produces oil or liquids, give location of tanks.	H 10	6 26N 5W	Yes			
If this production is commingled with that from a	ny other lease or pool,	give commingling order number				
NOTE: Complete Parts IV and V	on reverse side	if necessary.	•			
VI. CERTIFICATE OF COMPLIAN	ICE		1	OIL CONSE	RVATION DIVISION	1007

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

Sr. Administrative Analyst

11/19/87

APPROVED	OIL CONSERVATION DIVISION 3,1887
BY	Original Signed by FRANK T. CHAVEZ
TITLE	SUPERVISOR DISTRICT # 8

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

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

All sections of this form must be litted out completely for allowable on new and recompleted walls. Fiti out only Section I, II, III, and YI for changes of owner, well name and or number, or transporter, or other such change of condition.

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

# MA. OF COPIDS SECRIVED DISTRIBUTION

SANTA FE		ONSERVATION COMMISSION FOR ALLOWABLE	Form C-104 Supersedes Old C-104 and C-11
FILE U.S.O.S.		AND	Effective 1-1-65
LAND OFFICE	AUTHORIZATION TO TRA	NSPORT OIL AND NATURAL (	ias .·
TRANSPORTER OIL			
GAS   GAS	1		
PRORATION OFFICE			
Operator Townson Oil Comp.			
Tenneco Oil Compa			
P.O. Box 3249 El Recson(s) for filing (Check proper box	nglewood, CO 80155		
New Well	Change in Transporter of:	Other (Please explain)	
Recompletion	Oil Dry Go		•
Change in Ownership	Casinghead Gas Cander	nsate X	
If change of ownership give name and address of previous owner		,	
•			
Legas Name	Well No. Pool Name, Including F	ormation Kind of Lease	Legge No.
Jicarilla B	7 Basin Dak	Ota Stote, Federa	Jicarilla Jorfee Indian Cont 109
Location H 1850	) Same The North	ne and 1150 Feet From 6	Foot
Unit Letter;	Feet From The HOT CIT Lin	e and 1130 Feet From 1	rhe <u>East</u>
Line of Section 16 Tox	vnship 26N Range	5W , NMPM, Rio Ar	riba County
DESIGNATION OF TRANSPORT	TER OF OIL AND NATURAL GA	NE .	
Name of Authorized Transporter of Oil	er Condensate 🗡	Address (Give address to which appro-	
Gary Energy Corporation		4 Inverness Ct. East En Address (Give address to which appro-	glewood, CO 80112-5591
F1 P	Northwest Pipeline Corporation	•	•
If well produces oil or liquids,	Unit Sec. Twp. Rge.	P. O. Box #90 Farm	<u>Ington, N. M. 87401</u>
give location of tanks.	H 16 26N 5W	<u> </u>	
If this production is commingled with COMPLETION DATA	th that from any other jease or pool,	give commingling order number:	· · · · · · · · · · · · · · · · · · ·
Designate Type of Completic	in - (X)	New Well Workover Deepen	Plug Back   Same Res'r. Diff. Res'v.
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
		701d. <b>55</b> p	F.B. 13.
Elevations (DF, RKB, RT, GR, etc.;	Name of Producing Formation	Top Oil/Gas Pay	Tuhing Depth
Perforations	<u> </u>	<u></u>	Depth Casing Shoe
HOLE SIZE	TUBING, CASING, AND	DEPTH SET	BACKS CEMENT
NOCE SIZE	0.31.00 0.103.00 0.122	DEFIN SET	SACKS CEMENT
. TEST DATA AND REQUEST FO			and must be equal to or exceed top allow-
OII. WELL Date First New Oil Run To Tanke	able for this de	pth or be for full 34 hours) Producing Method (Flow, pump, gas lij	t. ata.)
		m dee!	MERN
Length of Teet	Tubing Pressure	Cosing Pressure	Cheko Sise
Actual Prod. During Teet	Oti - Bhis.	Water-Bhie.	Ges - MCF
		GCT 11	.05
		CHOON	. DIV.
GAS WELL Actual Prod. Test-MCF/D	Longth of Test	Bble. Condenseto/MMCF	Gravity of Condensate
			• ·
Testing Method (pitot, back pr.)	Tubing Pressure (Shut-im)	Casing Pressure (Shub-12)	Choke Size
CERTIFICATE OF COMPLIANCE	CE .	OIL CONSERVA	TION COMMISSION
		NO	V 01 1984
I hereby certify that the rules and r Commission have been complied w	ith and that the information given	APPROVED	170
above is true and complete to the	best of my knowledge and belief.	DY	IPERVISOR DISTRICT
	0	TITLE	JERVISUR DISTRICT BY
Mf. do		This form is to be filled in a	
- // en land le Gigne	MONTAN	well this form must be accompan	able for a newly drilled or deepened aied by a tabulation of the deviation
Administrative Sup		tests taken on the well in accord	dence with RULE 111. It be filled out completely for allow-
10/10/84	ie)	able on new and recompleted we	lle.
10/10/64 (De	le)	well name or number, or transport	III, and VI for changes of owner, et, or other such change of condition.
		Separate Forms C-104 must	be filed for each pool in multiply

Form 9-331 Dec. 1973 Form Approved.
Budget Burezu No. 42-R142

Dec. 1973	Budget Burezu No. 42–R1424
UNITED STATES	5. LEASE
DEPARTMENT OF THE INTERIOR	Contract 109
GEOLOGICAL SURVEY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Dulce
SUNDRY NOTICES AND REPORTS ON WELLS	7. UNIT AGREEMENT NAME
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)	8. FARM OR LEASE NAME Jicarilla
1. oil gas k other	9. WELL NO.
2. NAME OF OPERATOR Tenneco Oil Company	B-7  10. FIELD OR WILDCAT NAME
3. ADDRESS OF OPERATOR	17.4
Box 3249 Englewood, CO 80155  4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
below.)	Sec. 16, T26N, R5W
AT SURFACE: 1850 FNL, 1150 FEL	12. COUNTY OR PARISH 13. STATE
AT TOP PROD. INTERVAL: AT TOTAL DEPTH:	Rio Arriba New Mexico
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,	14. API NO.
REPORT, OR OTHER DATA	15. ELEVATIONS (SHOW DF, KDB, AND WD)
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	6610' gr
TEST WATER SHUT-OFF	
FRACTURE TREAT GRACE RECE	IVED
SHOOT OR ACIDIZE	<b>G</b> .
PULL OR ALTER CASING   FFR ()	(NOTE: Report results of multiple completion or zone
MULTIPLE COMPLETE	1801.
CHANGE ZONES U. S. GEOLOGIA	
(other) FARMINGTO	ON, N. M.
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state including estimated date of starting any proposed work. If well is dimeasured and true vertical depths for all markers and zones pertinent.  Listed below is the information you requested.  Gallup formation 6284	irectionally drilled, give subsurface locations and to this work.)*
OIL	CON. COM. DIST. 3
Subsurface Safety Valve: Manu. and Type	Set @ Ft
18. I hereby certify that the foregoing is true and correct	
Signed Saundra F. Peron TITLE Production Ar	nalyst 2/1/82
(This space for Federal or State off	fice use)
APPROVED BY TITLE TOTALL CONDITIONS OF APPROVAL, IF ANY:	AGCEPTED FOR RECORD
	- Total Legons
	FEB 0'9 1982

\*See Instructions on Reverse Side

FARMINGTON DISTRICT

Form 9~331 (May 1963)		ITED STATES	tother lust	TRIPLICATE.	Form approve Budget Burea	d. u No. 42-R1424.
		NT OF THE INTE DLOGICAL SURVEY	KIUK verse side)		5. LEASE DESIGNATION	AND SERIAL NO.
		S AND REPORTS		reservalr	G. IP INDIAN, ALLOTTEE	OR TRIBE NAME
(1)0 not use	Use "APPLICATIO	to drill or to deepen or plu ON FOR PERMIT—" for suc	h proposils.)		Jicrailla Con	t 109
1. OIL V GAS					7. UNIT AGREEMENT NA	ME.
WE'LL WE				·	8. FARM OR LEASE NAM	IE.
	il Company			•	Jicarilla B	
3. ADDRESS OF OPER					9. WELL NO.	
1200 Linco	oln Tower Bldg.	, Denver, Colora	ido 80203		7	
4. LOCATION OF WEL See also space 17 At surface	( below.)	ly and in accordance with a NL-1150 FEL	iny State requirements	•••	10. FIELD AND POOL, OF	
At sutface	1000 1	WF-IIOO LEF			Tapacito Gal	LUD
		•		•	SURVEY OR AREA	
			·		Sec. 16, T26	N, R5W
14. PERMIT NO.		15. ELEVATIONS (Show whether			12. COUNTY OR PARISE	13. STATE
		6610	GR		Rio Arriba	New Mexic
16.	Check Appro	opriate Box To Indicate	Nature of Notice	e, Report, or C	ther Data	
•	NOTICE OF INTENTIO	N TO;	;	JOSEBUR	ENT REPORT OF:	
TEST WATER SH		L OR ALTER CASING	WATER SHU FRACTURE 2		REPAIRING V	11
SHOOT OR ACIDI	\ <del></del>	NDON*	SHOOTING (	OR ACIDIZING	AUANDONSE	
REPAIR WELL (Other)	СНУ	NGE PLANS	(Other) (Noti	Shut-In  E: Report results letton or Recompte	of multiple completion ction Report and Log for	on Well
17. DESCRIBE PROPUS proposed work nent to this wo	c. if well is directional ork.) *	ions (Clearly state all perti ly drilled, give subsurface l	neut details and alve	nertinent dates	including estimated dat	o of utantime and
		in the second second				
STATUS OF	WELL: tap	acito Gallup zon	e shut in		•	
APPROXITINT	TE DATE THAT TE	IMP. ABAND. COMME	ENCED:		TEMPORARY ABA	NDO: COM
REASON FOR	R TEMP ABAND:	low deliverabi	lity .		TEMPORARY ABAY EXPRES 12	
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18. I hereby certify SIGNED	that the foregoing is to		ivision Produ	ction Mana	ger DATE //-6	7.5
(This space for	Federal or State office	use)				

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OIL GAN DATE				T. UNIT A	GBRSMBAL UTITA	
2. NAME OF OPERATOR			•	8. PARM	R LEASE NAME:	
Tenneco Oil Company	·	······································		JIC.	Jilla 3	! •
1200 Lincoln Tower Blo	da., Denver, Colo	orado 8020	3	10 G	7	
<ol> <li>LOCATION OF WELL (Report location clear See also space 17 below.)</li> </ol>	cly and in accordance with	any State requir	ements.*		AND POOL, OA WI	LDCAT
At surface	FNL - 1150	FEL		TAPA	CITO GA	<u>Hup</u>
,,,,,				801	VAT OR ARAL:	· ·
14. PERMIT NO.	15. ELEVATIONS (Show wheth			3FC	16,72621,	KEW
14. PERRIT SU.	15. ELEVATIONS (SHOW WHELE	er df, kt, GK, etc.)		D: 2	PY OR PARISHED 13	ATATE
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(Other)	Trove (Clearly state all new	linent details or	Completion or Rec	ombiettor Rebot	t and Log form.)	
<ol> <li>DESCRIBE PROPOSED OR COMPLETED OPERA proposed work. If well is directions nent to this work.) *</li> </ol>	ily drilled, give subsurface	locations and me	easured and true vo	extical depths fo	r all markers an	starting any d zones perti-
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SIGNED W.W. Myes	TITLE _	Division	Production	Manager DA	December	13, 1974
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CONDITIONS OF APPROVAL, IF AN	Y:				. g	
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40. UF COPIES #EC	14	. 1		
DISTRIBUTIO				
SANTA FE	1			
FILE	7	L		
U.S.G.S.	U.S.G.S.			
LAND OFFICE				
IRANSPORTER	OIL			
	GAS			
OPERATOR				
		ו ד		

DISTRIBUTION	NEW MEXICO OIL (	CONSERVATION COM	HECION	
SANTA FE		FOR ALLOWABLE	11331014	Form C-104 Supersedes Old C-104 and C-11
FILE		AND		Effective 1-1-65
U.S.G.S.	AUTHORIZATION TO TR		NATURAL CAC	
LAND OFFICE	- AUTHORIZATION TO TR	ANSFORT OIL AND	NATURAL GAS	
TRANSPORTER GAS /	1			
OPERATOR	╡			
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Operator				
Tenneco Oil Compar				
Address	·Y	<del></del>		·
		0		
Reason(s) for filing (Check proper box	Tower Bldg., Denver, Co	olorado, 80203	····	
1 -		Other (Please	e explain)	
New We!!	Change in Transporter of:	[Y]		
Recompletion	OII Dry G	—	ive January	1, 1974
Change in Ownership	Casinghead Gas Conde	nsate []		
If change of ownership give name	•			
and address of previous owner				
. DESCRIPTION OF WELL AND	Well No.   Pool Name, Including F		Ji Kind of Lease	crailla Cont. 109
Lease Name	well No. Pool Name, including P	otwarion		Lease No.
Jicrailla "B"	7 Basin Dakot	.aa	State, Federal or Fe	"Tndian
Location				
Unit Letter H : 18	50 Feet From The North Li	ne and <u>1150</u>	Feet From The	East
ر ا				j
Line of Section 16 To	whahip 26N Range	5W , NMPM	Rio A	rriba County
		•		
. DESIGNATION OF TRANSPOR				
Name of Authorized Transporter of Of	or Condensate	Address (Give address	to which approved co	py of this form is to be sent)
		L		l
Name of Authorized Transporter of Ca	singhead Gas 🔲 or Dry Gas 💢	Address (Give address	to which approved co	py of this form is to be sent)
Nonthreet Dingline	Commonation	501 Atmost Dr.	iva Farminat	on. New Mexico 87401
Northwest Pipeline	Unit Sec. Twp. Pge.	is gas actually connect	LVC FAITHLING ed? When	OIL NEW MEXICO 07401
If well produces oil or liquids, give location of tanks.	н 16 26 5		i	-
		<u></u>		
	ith that from any other lease or pool,	give commingling order	number:	•
. COMPLETION DATA	Oil Well Gas Well	New Well Workover	Deepen Plug	Back   Same Res'v.   Diff. Res'v.
Designate Type of Completi		1	i i i	Buck Same Res.v. Dill. Res.v.
		12-12-3	<u> </u>	
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.8.	T.D.
		<del> </del>		
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oll/Gas Pay	Tubi	ng Depth
<u></u>	<u> </u>	<u> </u>		
Perforations			Dept	h Casing Shoe
	TUBING, CASING, AN	CEMENTING RECOR	D	
HOLE SIZE	CASING & TUBING SIZE	DEPTH SI	ET	SACKS CEMENT
	<u> </u>			
. TEST DATA AND REQUEST F	OR ALLOWABLE (Test must be a	fter recovery of total volu	me of load oil and mu	st be equal to or exceed top allow-
OIL WELL	able for this de	pth or be for full 24 hours		
Date First New Oil Run To Tanks	Date of Test	Producing Method (Flou	, pump, gas lift, etc.	,
1				1
Length of Test	Tubing Pressure	Casing Pressure	Choi	re Size
	1	ł	1	
Actual Prod. During Test	Oil-Bble.	Water-Bble.	Gas	MCE
1	J.			33 34 3
	J	<del></del>		**************************************
GAR WEY!			4	Control of the Board of the Boa
GAS WELL Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCI	- 10-	tty, of Condejûjile
Steat From 1881-MOF/D		Total Solitaniadia/WWO)	Gree	
Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-	101	
1 setting Method (pitot, sec # pr.)	I mored blessme ( SDSE-TR )	Costud biasanta (suer.	-zu ) Cnoi	e every COM.
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. CERTIFICATE OF COMPLIAN	CE	OIL	ONSERVA <u>TIO</u>	
		<b>}</b>	FEB	7 1974
I hereby certify that the rules and		APPROVED	Ciorol by A	, 19
Commission have been complied value is true and complete to the		BY	Signel by A.	n. Kengrick
		TOURS	FUM MEGINEER	DIST. NO. 3
		TITLE THE	المنابقية المالية الم	
\ \	Λ	))	he filed in	ence with must a seed
S. J 12	~ W. OO.			ence with RULE 1104.
(Signal)	ture i	If this is a requirement, this form must	1 eldswells to: Jue d beinadmooos ed	or a newly drilled or deepened y a tabulation of the deviation
	/	teste taken on the	vell in accordance	with RULE 111.
Production Clerk	12.3	. All sections of	this form must be i	illed out completely for allow-
(Til	•=/	able on new and rec		
12/13/73	·	Fill out only 5	ections I. II. III.	and VI for changes of owner, ther such change of condition.
(De	ue)			ited for each pool in multiply
		Separate Forms		ver pers on many.

SANYAFE 1		PORSERVATION COMMISSION FOR ALLOWABLE  AND	Form C-104 Supersedes Old C-101 and C-1 Effective 1-1-65
U.S.G.S.  LAND OFFICE  THANSPORTER OIL / CAS	AUTHORIZATION TO TRA	MSPORT OIL AND NATURAL	GAS
OPERATOR PRORATION OFFICE Operator			
Tenneco Oi	1 Company		
i	In Tower Bldg Denver,	Colorado 80203	
Reason(s) for filing (Check proper bo	Change in Transporter of:	Other (Please explain)	
Recompletion	Oil Dry Ga		rized transporter of
Change in Ownership	Casinghead Gas . Conden		
If change of ownership give name and address of previous owner			
DESCRIPTION OF WELL AND			
Lease Name	B 7 BOSIN	Daketa State, Feder	
Unit Letter	250 Feet From The N Lin	e and 1150 Feet From	The <b>E</b>
	ownship 26, N Range 5	-W NMPM P.	Arriba County
	THE OF OIL AND NATURAL GA		
Neme of Authorized Transporter of O		Address (Give address to which appro	
Plateau, Inc. Name of Authorized Transporter of C	asinghead Gas or Dry Gas .	P. O. Box 108 Far Address (Give address to which appr	oved copy of this form is to be sent)
If well produces oil or liquids, give location of tanks,	Unit Sec. Twp. P.ge.	Is gas actually connected?	nen
	ith that from any other lease or pool,	give commingling order number:	
COMPLETION DATA	Oil Well Gos Well	New Well Workover Deepen	Plug Back   Same Res'v. Diff. Res'
Designate Type of Complet		<u>                                     </u>	
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	<del></del>	<del> </del>	Depth Casing Shoe
	TUBING, CASING, AND	CEMENTING RECORD	
HOLE SIZE	CASING & TUBING SIZE	. DEPTH SET	SACKS CEMENT
	1	<u> </u>	
TEST DATA AND REQUEST :	FOR ALLOWABLE (Test must be a able for this de	fter recovery of total volume of load of opth or be for full 24 hours)	il and must be equal to or exceed top all
Date First New Olf Run To Tanks	Date of Test	Producing Method (Flow, pump, gas	life, etc.)
Length of Test	Tubing Pressure	Casing Pressure	Choke Stre
			170
Actual Prod. During Test	O(1 - Bb)s.	Water - Bbls.	dee-MOF
GAS WELL	`		
Actual Prod. Test-MCF/D	Length of Test	Bbla. Condensate/MMCF	Gravity of Condensate
Testing Mathed (pitot, back pr.)	Tubing Pressure (Ehut-in)	Cusing Pressure (Shvi-in)	Choke Size
CERTIFICATE OF COMPLIA	NCE	OIL CONSERV	/ATION COMMISSION
I hereby certify that the roles and Commission have been committed	f regulations of the Oil Conservation with and that the information given	APPROVED	MAR 2 0, 1970 y Emery C. Arnold
above is true and complete to t	he best of my knowledge and belief.	BY	
	[]		IPERVISOR Dista #A
3 (15)	G. A. Ford	If this is a request for all well, this form must be accom-	n compliance with RULE 1104. lowable for a newly drilled or descen panied by a fabulation of the device.
Sr. Preducti	on Clark	tests trken on the well in sec	cordinate with hut. 5 111.
	Tale)	atte en nem gef ibraniptette	must be filled out completely for all a methy.

CONTROL OF THE CAS I	REQUEST	ONSERVATION COMMISSION FOR ALLOWABLE AND AND NATURAL	Form C-104 Supersedes Old C-104 and C-110 Effective 1-1-65
Copercion Tennoco Oil Com	Dany		(0.00)
Accress	Durango, Colorado 81301		
Reason(s) for filling (Check proper box New Well Recomplotion Change in Ownership		=   Date Date Da	kota and Tapacito Gallup.
If change of ownership give name and address of previous owner		•	
I. DESCRIPTION OF WELL AND	LEASE   Well No.   Pool Name, Including Fi	ormation Kind of Le	case Lease No.
Jicarilla "B"	7 Tapacito Gal		erol or Fee Fed Jicarilla
Location Unit Letter H 18	Feet From The North Lin	e and 1150 Feet Fro	m The East
	waship 26N Range		io Arriba County
1. J. D. C.	TER OF OIL AND NATURAL GA	S C	
Rock Island 0il	and Refining	P. O. Box 328, Farmin	proved copy of this form is to be sent)
Tieme or wetherized Transporter of Ca		Address (Give address to which ap	proved copy of this form is to be sent;
El Paso Natural	Unit   Sec.   Twp.   Rge.	P. O. Box 990, Farming Is gas actually connected?	gton, New Mexico
give location of tanks.	H 16 26 5		
If this production is commingled wi 7. COMPLETION DATA	ith that from any other lease or pool,		
Designate Type of Completi	on - (X) Oil Well Gas Well X	New Well Workover Deepen	Plug Back   Same Res'v.   Diff. Res'v.
Octo Spuddod 9/4/66	Date Compl. Ready to Prod. 9/1/67	Total Depth 7668	P.B.T.D. 7633
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
6610 Gr.	Tapacito Gallup	6858	7290 Depth Casing Shoe
6858-6860 Gallup			7668
		CEMENTING RECORD	
12-1/4"	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
7-7/8"	5-1/2"	368 7668	925 sx
V. TEST DATA AND REQUEST F OIL WELL	FOR ALLOWABLE (Test must be a able for this de	pth or be for full 24 hours)	oil and must be equal to or exceed top allow-
Data First New Oll Run To Tanks 9/1/67	9/1/67	Producing Method (Flow, pump, gas	s lift, etc.)
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
24 hours	Out Divis		3/4
Actual Prod. During Test 30 BOPD	Cil-Bhla. 30 BOPD	Water-Bble.	Gas - MCF
\ <u></u>			
GAS WELL Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
	makes 2		
Testing Method (pisot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size
I. CERTIFICATE OF COMPLIAN	CE	OIL CONSER	VATION COMMISSION
Commission have been complied	regulations of the Oil Conservation with and that the information given e best of my knowledge and belief.	ByOriginal Signed by	
		'''	VISOR DIST. #8
X. K. Wagner   Men	nasure)	If this is a request for al	in compliance with RULE 1104. lowable for a newly drilled or despended spanied by a tabulation of the deviation cordance with RULE 111.

(Ticle)

(Date)

9/12/67

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

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

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

Form 9-330 (Rev. 5-68)

#### SUBMIT IN DUPLICATE\* UNITED STATES DEPARTMENT OF THE INTERIOR

(See other in-structions on reverse side)

Form approved. Budget Bureau No. 42-R355.5.

LEASE DESIGNATION AND SERIAL NO.

v.	PEVDE	DESIGNATION	AMD	CONTAL
J	icar	illa Com	<b>1</b>	00

	GE	OLOGICAL S	SURVEY			?ICSLITI	TH COME TON
WELL CON	APLETION O	R RECOMPL	ETION R	REPORT A	AND LOG*	6. IF INDIAN,	ALLOTTEE OR TRIBE NAME
. TYPE OF WELL		GAS WELL		Other Du		7. UNIT AGREE	MENT NAME
. TYPE OF COMP	LETION:						
NEW	OVER DEEP-	BACK BACK	DIFF. DESVR.	Other		S. FARM OR L	
NAME OF OPERATO	on 5 Oil Company	·	1	REC	EIVEL	Jicaril D. WELL NO.	·T\$
ADDRESS OF OPER				· · · · · ·		— 7 7 NO.	
	iox 1714, Dus	ango, Color	ado 8110	n Sea	2 5 1967	O. FIELD AND	POOL, OR WILDCAT
	L (Report location of		ance with au	<u>μ</u> .		1_0	Gallup & Basin D
At surface	850 FNL, 1150	j psi.	1	U. S. GE	LOGICAL SURVE	Y 11. SEC., T., R. OR ARDA	., M., OR BLOCK AND SURVEY
At top prod. inte	erval reported below			- Cirai			
At total depth		!				Sec 16,	T-26-H, K-5-W
		14	. PERMIT NO.	E	ATE ISSUED	12. COUNTY OF	
DATE SPUDDED	16. DATE T.D. REACE	HED   17. DATE COM	Dr. (Pandu to	n eriod ) I an		Rio Arri	19. ELEV. CASINGHEAD
estry 4/67	10. DATE T.D. REACT	1	9/1/67	18.	elevations (df, r	Gr.	661G
TOTAL DEPTH, MD 4	21. PLUG, BA	ACK T.D., MD & TVD 7633	HOW M	TIPLE COMPL.,	23. INTERVA DRILLED	BY	1
	VAL(S), OF THIS COM		OM, NAME (M	(D AND TVD)*	<u> </u>	0-7668	25. WAS DIRECTIONAL
	(2,, 02		····· (				SURVEY MADE
<b>6</b> 858-6860	Gallup, 7349	1-7580 Dakot	a				Yes
TIPE ELECTRIC A	ND OTHER LOGS RUN						27. WAS WELL CORED
				ort all strings			
8-5/8	WEIGHT, LB./FT.	DEPTH SET (M)	D) HOI	LE SIZE		ING RECORD	AMOUNT PULLED
<b>8</b> −1/2	14 & 15.50	7668		7-7/8	260 ax 925 ax		None
	17 6 13.35	7000				·	
·		ER RECORD			30.	TUBING RECO	
SIZE	TOP (MD) BO	TTOM (MD) SACE	S CEMENT	SCREEN (MD	) SIZE Z-1/16	DEPTH SET (MD	PACKER SET (MD)
					2-1/16	7290	7290
PERFORATION REC	ORD (Interval, size a	nd number)	ता	82.		ACTURE, CEMENT	
6858, 68	59, 6860, 12	holes R	(I.FIVI		DRVAL (MD)		OF MATERIAL USED
	0-11		FONT	() <del>8658</del> -	1460 1	1,000# sd, 3	0,000 gals wer.
	Callup	SE	26 1967	,	<del></del>	<u>.</u>	
		/OC.	5- 20 Marine	Eii	·		<del></del>
.*							
72 FIRST PRODUCTI 9/1/67	ION PRODUCTI	ON METHOD (COOK	De Contraction of	Plwg	nd type of pump)	WELL 8	TATUS (Producing or in)  Prod.
TE OF TEST	HOURS TESTED	1	ROD'N. FOR EST PERIOD	OIL—BBL.	GAS-MCF.	WATER-BBL.	GAB-OIL BATTO
9/1/67 DW. TUBING PRESS.	24 CASING PRESSURE	3/4"	>	<u> </u>			
JW. TUBING FREES.	CABING PRESSURE	CALCULATED O	IL—BBL.	GAS-1	· WA	TER—BBL.	OIL GRAVITY-API (CORB.)
. DISPOSITION OF G	AS (Sold, used for fue		30 BOP	D Callup		TEST WITNESS	SED BY
LIST OF ATTACH	Ments					· •	<del></del>
I hereby certify	that the foregoing a	nd attached info	ation is cor-	lata and sar	et an determine a a	nom all and data	
. A merent certify	that the foregoing a	accaed inform	амон 18 <b>сом)</b> )	THE STU COITE	ct as determined f	rum an avanable re	cords
SIGNED	アカ・イ・シン	ragnic	TITLE		· · · · · · · · · · · · · · · · · · ·	DATE	9/22/67
	<u> </u>	agner					

# 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 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 83, 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.

When 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

Nem 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. Nems 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. As a submit a separate report (page) on this form, adequately interval. The completional interval in the separately produced, showing the additional interval. About the completion is a separately produced supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Wen 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.) or Federal office for specific instructions.

1

TRUE VERT. DEPTH TOP MEAN, DEPTH GROLOGIC MARKERS 3210 3130 4848 5510 6270 7260 į Pictured Cliff Lewis Shale Kessverde Creenhorn NAMB Mancos Gellup Jakota 38. 37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STRM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSUESS, AND RECOVERIES DESCRIPTION, CONTENTS, BTC. 1. T. L. B. -7 & Shale (Cas) BOTTOM 652 7349 TOP FORMATION Gallup Dakota

# ADMINISTRATIVE ORDER OF THE OIL COMMENVATION COMMISSION

Under the provisions of Rule 112-A, Tenneco Oil Company made application to the New Mexico Oil Conservation Commission on May 10, 1967, for permission to dually complete its Jicarilla "B" Well No. 7 located in Unit H of Section 16, Township 26 North, Range 5 West, NMPM, Rio Arriba County, New Mexico, in such a manner as to produce oil from the Tapacito-Gallup Oil Pool and gas from the Basin-Dakota Pool.

NOW, on this 30th day of May, 1967, the Secretary-Director finds:

- That application has been duly filed under the provisions of Rule 112-A of the Commission's Rules and Regulations;
- (2) That satisfactory information has been provided that all operators of offset acreage have been duly notified; and
- (3) That no objections have been received within the waiting period as prescribed by said rule.
- (4) That the proposed dual completion will not cause waste nor impair correlative rights.
- (5) That the mechanics of the proposed dual completion are feasible and consonant with good conservation practices.

#### IT IS THEREPORE ORDERED:

That the applicant herein, Tenneco Oil Company, be and the same is hereby authorized to dually complete its Jicarilla "B".

Well No. 7 located in Unit N of Section 16, Township 26 North,
Range 5 West, NNPM, Rio Arriba County, New Mexico, in such a manner as to produce oil from the Tapacito-Gallup Oil Pool and gas from the Basin-Dakota Pool through parallel strings of tubing.

PROVIDED HOWEVER, That applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A.

PROVIDED FURTHER, That applicant shall take packer-leakage tests upon completion and annually thereafter during the Annual Deliverability Test Period for the Basin-Dakota Pool.

#### IT IS FURTHER ORDERED:

That jurisdiction of this cause is hereby retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Pe, New Mexico, on the day and year hereinabove designated.



STATE OF MEW MEXICO OIL COMSERVATION COMMISSION

A. L. PORTER, Jr. Secretary-Director

# OIL CONSERVATION COMMISSION P. O. BOX 2088

SANTA FE, NEW MEXICO

May 31, 1967

Tenneco Oil Company P. O. Box 1714 Durango, Colorado 81302

Attention: Mr. Robert E. Siverson

P

Administrative Order NSL-398

Gentlemen:

W

Reference is made to your application for approval of an unorthodox well location for your Jicarilla "B" Well No. 7 located 1850 feet from the North line and 1150 feet from the East line of Section 16, Township 26 North, Range 5 West, NMPM, Tapacito Gallup Associated Pool, Rio Arriba County, New Mexico.

By authority granted me under the provisions of Rule 4 (b) of Order No. R-3211, the above described unorthodox well location is hereby approved.

Very truly yours,

A. L. PORTER, Jr. Secretary Director

JUN 1 1967 OIL CON. COM. DIST. 3

#### ALP/GMH/esr

cc: Oil Conservation Commission Astec United States Geological Survey Farmington Oil & Gas Engineering Committee Hobbs

## TENNECO OIL COMPANY A Major Component of Tenneco Inc.

P.O. BOX 1714 . 835 SECOND AVENUE . DURANGO, COLORADO 81302



May 8, 1967

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

Attention: Mr. A. L. Porter, Jr.

Director

Re: Jicarilla "B" No. 7 / 1850' FNL, 1150' FEL

Section 16, T-26-N, R-5-W Rio Arriba County, New Mexico

#### Gentlemen:

Tenneco Oil Company requests an exception to Tapicito Gallup Field Rule 4a for the above referenced well. This well is now completed in the Basin Dakota Field and is an orthodox location in this respect. This request is made so that we may dually complete this well in the Tapicito Gallup Pool.

A request for a waiver has been forwarded to offset operator, Pan American Petroleum Corporation, with the request that they forward their approval or objection directly to your office.

67

DIL CON. COM.

Very truly yours,

TENNECO OIL COMPANY

Robert E. Siverson

District Production Superintendent

JHW:hes

CC: New Mexico Oil Conservation Commission - Aztec
U. S. Geological Survey - Farmington
Atlantic Richfield Company
Continental Oil Company
Pan American Petroleum Corporation

R. H. Byers

## TENNECO OIL COMPANY A Major Component of Tenneco Inc.

P.O. BOX 1714 • 835 SECOND AVENUE • DURANGO, COLORADO 81302



May 8, 1967

Pan American Petroleum Corporation P. O. Box 480 Farmington, New Mexico

> Re: Jicarilla "B" No. 7 1850' FNL, 1150' FEL Section 16, T-26-N, R-5-W Rio Arriba County, New Mexico

#### Gentlemen:

Tenneco Oil Company has requested an exception to Tapicito Gallup Field Rule 4a for the above referenced well. If you, as offset operator, have no objection to this request please signify your approval in the space provided below and forward one copy to the New Mexico Oil Conservation Commission in Santa Fe to the attention of Mr. A. L. Porter, Jr.

Your cooperation will be greatly appreciated.

Very truly yours,

TENNECO OIL COMPANY

Robert E. Siverson

District Production Superintendent

JHW:hes

APPROVED:

Pan American Petroleum Corporation

DATE:

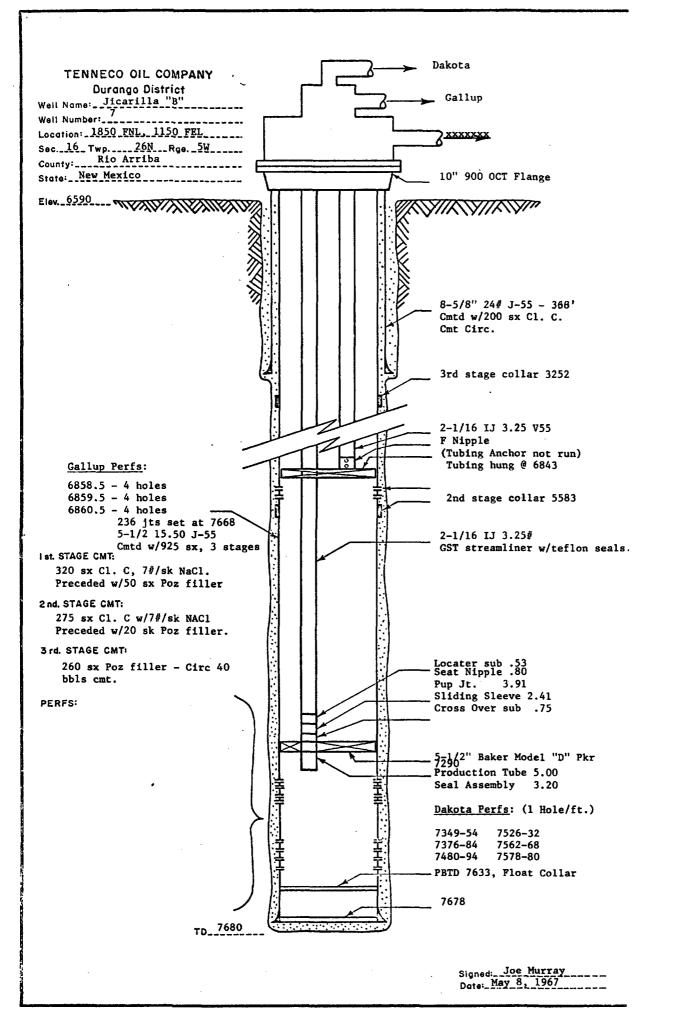
CC: New Mexico Oil Conservation Commission - Aztec New Mexico Oil Conservation Commission - Santa Fe U. S. Geological Survey - Farmington Atlantic Richfield Company Continental Oil Company R. H. Byers

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

Cretator		County		Date	
Tenne co Oil Company		,	o Arriba	May 8, 1967	
Address		Lease		Well No.	1707
P. O. Box 1714, Dur	ango, Colorado	Ji	carilla "B"	7	
Location Unit Se	ection	Township	······································	Range	
of Well H	16	26-N		5-W	
1. Has the New Mexico Oil Conservati	t well? YES X	. NO	· 	•	•
2. If answer is yes, identify one such	instance: Order No	<u> </u>	; Operator Lease, s	ud Meli Nov: <u>115</u>	arilla
3. The following facts are submitted:	Upper		Intermediate		Lower
	Zone		Zone		Zone
a. Name of Pool and Formation	Tapacito Gal	lup		Ba	sin Dakota
b. Top and Bottom of Pay Section (Perforations)	6880-6858		·	7:	349-7580
c. Type of production (Oil or Gas)	011	<del></del>			Gas
d. Method of Production					
(Flowing or Attificial Lift)	Flowing		•	F	lowing
4. The following are attached. (Please	check YES or NO)				
izers and/or turboli diameters and setting.    X	zers and location thereong depth, location and ty cation of all wells on appears offsetting applicant to such multiple completished copies of the apple well or other acceptabusch log is not available on which this well is Petroleum - Sect	f, quantities per of packet pplicant's lease. etion from earlication.* ole log with eat the time located toge	ng all casing strings, included and top of cement, possed and side door chokes, and asse, all offset wells on cach offset operator, or in latops and bottoms of production is filed it should be supplication is filed it should be supplied to the supplication of the supplication of the supplication is filed it should be supplied to the supplication of the supplicatio	erforated intervals such other informs affset leases, and see thereof, evidencing zones and in the submitted as ling address.	the names and addresses are that said offset opera- ntervals of perforation in-
Northwest Pr	oduction - P. O.	Box 179	6, El Paso, Texas		
CERTIFICATE: I, the undersigned	, 9, 1967  , state that I am the S company), and that I am	enior Pr	oduction Clerk of by said company to make t	the <u>Tennec</u>	o. 011 Company
		_	9.61.	Signature	

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or or of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

<sup>\*</sup>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.



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		MENT OF THE		verse side)			ESIGNATION AND	
		GEOLOGICAL SUF	RVEY				lla Cont.	
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MELT X MELT	LA OTHER						1	
NAME OF OPERATOR						8. FARM OF	LEASE WAME	
Tennec	o Oil Comp	any			ĺ	Jic	arilla "B'	ı
ADDRESS OF OPERATO	R					9. WELL H	0.	
P. O.	Box 1714,	Durango, Colora	ado 81301			7	•	
LOCATION OF WELL (	Report location c	clearly and in accordance	with any State	requirements.		10. FIELD	AND POOL, OR WI	LDCATD
Bee also space 17 be At surface	10W.}	•				f .	Dakota & T	
	18	50 FNL, 1150 F	EL.		•		. R., M., OR BLE.	
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	•	•		- at trained traffi	•	•	c ·	
	NOTICE OF INTER	ITION TO:			avamaqu.	BNT EBPORT	OF:	
TEST WATER SHUT-	057	PULL OR ALTER CASING		WATER SHUT-OFF		:	BEFAIRING WELL	
FRACTURE TREAT		MULTIPLE COMPLETE		FRACTURE TREATME	INT	<b> -</b>	ALTERING CARING	s
SHOOT OR ACIDIES		ABANDON®		SHOOTING OR ACTE	FIMP. ID	OMB	*THEMRODIAGA	
REPAIR WELL		CHANGE PLANS		(Other)	arrup	omp.		_ X
(Other)	<del></del>	· •		(Nors: Repor	rt results	of multiple	completion on V and Log form.)	Veli
		CO to 7633 PI at 6871. Treat						a. Koettal
cmt reta gal: 40 ] 7296	9/66. RU. retainer ainer w/10 s acid. F BPM @ 2500 D. Dakota	at 6871. Treat 0 sx cmt. Peri rac w/30,000 ga 4. Swbd. Drlc string - 228 g ung at 6843. F	ted perfs f 6858, 68 als oil, 1 d cmt rets jts 2-1/16 Rel rig 5/	w/250 gals 1 359, 6860, 12 35,000# sd ar liner and CO 5" tbg, Gallu	15% act 2 holes nd 3,00 to TD up str	ld. Cir s, tream 00# beam . Set m	rc thru t w/750 <sup>3</sup> ds.	. Roestud
cmt reta gal: 40 1 7296 2-1,	retainer ainer w/10 ainer w/10 s acid. FBPM @ 2500 Dakota /16" tbg h	at 6871. Treat 0 sx cmt. Peri rac w/30,000 ga 4. Swbd. Drlc string - 228 g ung at 6843. I  MAY 1 1  OIL CON DIST.	ted perfs f 6858, 68 als oil, 1 d cmt rets jts 2-1/16 Rel rig 5/	w/250 gals 1 359, 6860, 12 5,000# sd ar liner and CO " tbg, Gallu '4. WO Test.	LOTE OLOGICA	d. Circal to the state of the s	rc thru t w/750 3 ds. 5 okr at	. (Sector)
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I hereby certify the SIGNED	retainer ainer w/10 ai	at 6871. Treat 0 sx cmt. Peri rac w/30,000 ga  #. Swbd. Drlc string - 228 g ung at 6843. I  MAY 1 1  OIL CON DIST.	ted perfs f 6858, 68 fls oil, 1 d cmt rets jts 2-1/16 Rel rig 5/	w/250 gals 1 359, 6860, 12 35,000# sd ar iner and CO 5" tbg, Gallu 4. WO Test.	LOTE OLOGICA	d. Cias beach beac	thru 0.1 was a sharmed united for 191 for 1.1. thru 0.1 was a harmand labele grandson with the winds grands on the winds of the property of the control of t	. (Sex)

1 File

# NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Porm C-102 Supersedes C-128 Effective 1-1-65

All distances must be from the outer boundaries of the Section. Operator Leaso Well No. Jicarilla "B" Tenneco Oil Company Unit Letter Section Township County 26N 5W 16 Rio Arriba Actual Factage Location of Well: 1850 North 1150 feet from the line and feet from the East Ground Level Elevi Producing Formation Dedicated Acreages E/2 of NE 6610 Gr. Tapacito Gallup Tapacito Gallup Acren 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc? MAY : 0 :967 OIL CON. COM If answer is "yes;" type of consolidation \_ T Yes No DIST. 3 If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use Teverse side of this form if necessary.). No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission. **CERTIFICATION** I hereby certify that the information contained herein is true and complete to th best of my knowledge and belief. Senior Production Clerk 1150' Tenneco Oil Company May 8, 1967 I hereby certify that the well location rwn on this plat was plotted from field notes of actual surveys made by me or knowledge and belief. Date Surveyed Registered Professional Engineer and/or Land Surveyor Certificate No.

1320-1650

t	arm	9-331
ı	May	19631

(Other)

#### UNITED STATES UNITED STATES SUBMIT IN TRIPLICATE. DEPARTMENT OF THE INTERIOR verse side)

Budger Bureau . . 5. LEASE I USIGNATION AND THE

GEOLOGICAL SURVEY	Jicarilla Cont. 700
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.)	Jicarilla, Dulce, New C
WELL GAS OTHER	7. UNIT AGREEMENT NAME.
NAME OF OPERATOR	3. FARM OR LEADE SAID.
Tenneco Oil Company	Jicarilla "D"
MOTABATO VO SZURCOM	9. WELL NO.
P. O. Box 1714, Durango, Colorado 81301	7
LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*	10. FISLD AND POUL, OR WILDIAG
See also space 17 below.) At surface	South Blanco Tocito
1850 FNL, 1150 FEL	11. SEC., T., R., M., OA LLEE, ALL, SURVEY OR ALBA

Unit H Sec. 16, T-26-N, R-5-M 15. ELEVATIONS (Show whether DF, RT, GR, etc.)

14. PERMIT NO. 12. COUNTY OR PARISH 13. MANNE 6610 Gr. Rio Arriba New Yorking

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

NOTICE OF INTENTION TO: TEST WATER SHUT-OFF PULL OR ALTER CASING

PRACTURE TREAT MULTIPLE COMPLETE SHOOT OR ACIDIZE ABANDON\* REPAIR WELL CHANGE PLANS

SUBSCOUYNT SZPORT OF:

WATER SHUT-OFF REPAIRING WELL FRACTURE TREATMENT ALTERING CASING ) ABANDONMENT\* SHOOTING OR ACIDIZING

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) 17. DESCRIBE PROPOSED OF CONTLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of sorrolling proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones, nent to this work.) •

We plan to rig up and kill Dakota sand w/salt wtr. Pull tbg, det CIBP w/wireline. Perf two holes at 6880 and 2 holes at 6830. Set cmt retainer pkr, run the and set in pkr. Est circ through the, around esg and in perfs at 6830. Circ 250 gals acid ahead of cmt. Cmt w/100 sx. WOC. Drill out, pressure test, and load hole. Perf, frac. Run two strings 2-1/16" tbg.

Complete as a dual Basin Dakota and South Blanco Tocito gas well. Run deliverability test.

OIL CON. COM

U. S. GEOLOGICAL SURVEY

	ļ							
SIGNED	TITLE	Senior	Production	Clerk	DATE	April	25,	·.
(This space for Federal or State office use)	========						•	
APPROVED BY CONDITIONS OF APPROVAL, IF ANY:	TITLE _				DATE			

5 UZGS

1 Cont

1 Atlantic

\*See Instructions on Reverse Side

# 0.57 x 3.4 x 68 NEW MEXICO OIL CONSERVATION COMMISSION REQUEST FOR ALLOWABLE

23/24/05 (trace)

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

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Panneco O11 Compa	n.y				•		
7. 2 . Co							
2. 0. Fox 1714 Resum 5, for thing (Chick proper		o, Colorado		A			,,
New West	•	in Transporter of:		Other (Please	explain		
Nert al, Jesson	Oil	Dry Go	ıs 🗀	Effec	tive Fir	st Delivery	
Tali Tillis Ownersta;	Casing	head Gas Conder	nsate 🔲				
If change of ownership give nam							
and address of previous owner_				<del></del>		<del></del>	
RESCRIPTION OF WELL AN Legge Name	VD LEASE Legse	No. Well No. Fool Na	me, Includi	nc Formation		King of Lease	
Jicarilla "B"		7	_	n Dakota		State, Federal or F	- Federal
Location				····			
Unit Letter R 1	1550 Feet F	From The North Lin	e and 1	150	_ Feet From	The East	
Link of Dection 16	Township 26	V Range	5 W	, NMPM		Rio Arr	iba County
						2,120 741	100
ASSIGNATION OF TRANSPO Name of Authorized Transporter of	DATER OF O	E AND NATURAL GA Condensate [X]	Address (	Give address	o which games	ved capy of this form	12 to be cont.
Fook Island Oil an	_	_	i			mington, New	
Name of Astronogea Transporter of	Cosinghead Gas	or Dry Gas X	Address	Give address i	o which appro	ved copy of this form	is to be sent)
El Paso Natural Se						mington, New	Mexico
It well produces oil or liquids, give location of tanks.	Unit , S	ec. Twp. Rge.	ls gas ac	tually connecte	ed? Wh		ava1
	·····		·			On Appro	JVa.L
f this production is commingled COMPLECTON DATA					number:		
Designate Type of Comple	etion $-(X)$	Oil Well Gas Well	New Well	Workover	Deepen	Plug Back Same	Resty, Diff. Resty
9/4/65		. Ready to Prod. /6/66	Total Dep	_		P.B.T.D.	
Thermone The, KKB, RT, GR, etc		<del></del>	Top Oii/C	570 Gas Pay	<del>, ,                                    </del>	7633 Tubing Depth	
5610 Ar.		cota	,	349		7563	
Perforques	721	0.7590				Depth Casing Shoe	
	134	+9-7580 TUBING, CASING, AND	CENENT	INC BECUS	<u> </u>	7670	
acle size	CASI	G & TUBING SIZE	CEMENI	DEPTH SE		SACKS	CEMENT
12 1/4"		5/8"	†	368	<u> </u>	200 sx	
7 7/3"	5 i	/2"		668		925 sx	
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name of the second of the seco	TOT ATTOU	15 D7 E - 17	<u> </u>			<u> </u>	
TEST DATA AND LEQUEST 900.000	FOR ALLOW	able for this de				and must be equal to	or exceed top allow
Dute First New Oil Run To Tanks	Date of Tes		Producing	Method (Flow	, pump, gas lij	(i, etc.)	\
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Admid Even, Tubs-MOF/D	Length of T		Bbls. Con	densate/MMCI		Secrety of Condens	ate
Egittle Transport (piper, back pr.)	7 Tubing Pres	nrs.	(			1000	
CP Thek Pr.	21.1		Casing Pr			Choke Size	
CENTIMICATE OF COMPLI			1		ONSERVA	TION COMMISS	ion
				4	IOV 3 0 1		
I hereby certify that the rules as On amination have been complie	nd regulations of	of the Oil Conservation	APPRO				_, 19 rnold
Conmission have been compile Moor in true and complete to			BY_	Original	signed by	Emery C. A	T1101A
*	س و د		TITLE	BUPERV	ISOR DIST	r. #3	
		<b>,</b>				compliance with Ru	
· ·	·	·	If t	his is a requ	est for allow	able for a newly d	rilled or deepened
	ignature)		well, th	is form must	be accompa:	nied by a tabulatio dance with RULE	n of the deviation
Section Production	Olerk Tale,		All	sections of	this form mu	st be filled out con	
	/		. shie on	new and rec	omoietea We	446.	

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.

#### UNITED STATES SUBMIT IN DUPLICATE. DEPARTMENT OF THE INTERIOR

(See other in-

Form approved. Budget Bureau No. 42-R355.5.

					reverse s		NATION AND SERIAL NO.
		GEOLOGI	CAL SURV	EY			la cont. 109
WELL CO	MPLETION	OR RECO	OMPLETIO	N REPORT A	AND LOG'	*	LLOTTEE OR TRIBE NAME
ia. TYPE OF WE	LL: OII.			<del></del>		7. UNIT AGREEM	Lla, Dulce, New Me
b. TYPE OF COM	WE WPI.ETION:	LL WELI	.∐A DRYL	Other		<del></del>	TOUT NEWS
		EP- PI.UG	DIFF.	Other	SECE	S. HARM OR LE	ASE NAME
2. NAME OF OPERA		LJ BACA	K K K K K K K K K K K K K K K K K K K	J Oliver	RECENTAL NOV 141	ED Jidarii	
	meco O11 C	ORDANY			Na	9. WELL NO.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
3. ADDRESS OF OP				<del></del>	<del>- NOV 1 ⊈ 1</del>	967 17	
P.	0. Box 171	4, Durang	o, Colorad	o 813QL	•	10. FIEID AND	POOL, OR WILDCAT
4. LOCATION OF WI	ELL (Report locati	on clearly and	in accordance wit	h any State redicts	TO COCICAL	Barin i	POOL, OR WILDCAT  Dakota  M., OR BLOCK AND SURVEY
At surface	18501	FNL 1150	' PEL	· •	ARMINGTON, N	M. SEC., T., B.,	M., OR BLOCK AND SURVEY
	terval reported be		Unit :	Latter "H"		OR AREA	
At total depth						Sec. 16	6, T-26-N, R-5-W
			14. PERMIT	. NO. D	ATE ISSUED	12. COUNTY OR PARISH	13. STATE
	1.10			<u> </u>	· · · · · · · · · · · · · · · · · · ·		riba New Hexico
5. DATE SPUDDED	1		DATE COMPL. (Rea	1 20.			19. ELEV. CASINGHEAD
9/4/66 0. TOTAL DEPTH, MD		19/66 JG, BACK T.D., MI	10/6/66	MULTIPLE COMPL.	6610° (		CABLE TOOLS
	A TVB 21. PL		ј но	W MANY*	DRILLE	BY	CABLE TOOLS
7670	PRILLIAN OF THIS	76		E (MD AND TVD)*	<u> </u>	0-7670	25. WAS DIRECTIONAL
4. PRODUCING INTE	ERVAL(B), OF THIS	COMPLETION—	IOP, BUXIUM, NAM	IL (MD AND IVD)			SURVEY MADE
							<b>V</b> 20
6 MVDP PI POTRIC	7349-7580 AND OTHER LOGS	DIIN		· .		1 22	7. WAS WELL CORED
O. IIFM DUBLIANC						1 -	No
	ies, bri		ASING PECOND	/ Danant all atminus			
GASING SIZE	WEIGHT, LB.		SET (MD)	(Report all strings		TING RECORD	AMOUNT PULLED
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8-5/8	24		368	7-7/4	925		- Made
5-1/2	14 & 1	.3.38	7668	1-1/4	763	DA .	_
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9.		LINER RECO	RD '		30.	TUBING RECOR	D
SIZE	TOP (MD)	BOTTOM (MD)	SACES CEMEN	T* SCREEN (MD	) SIZE	DEPTH SET (MD)	PACKER SET (MD)
			·	· · · · · · · · · · · · · · · · · · ·	2-3	<del>-</del>	aune.
	<del> </del>					7,7,5,5	
1. PERFORATION R	ECORD (Interval, s	ize and number	)	82.	ACID, SHOT, FI	RACTURE, CEMENT S	SQUEEZE, ETC.
7580_74	SU 28 holes	ı		DEPTH INTE	RVAL (MD)	AMOUNT AND HIND	OF MATERIAL USED
	1 UPF	•		7580-	7480	1500 gals a	cid
	54 4 hPF			7560-			6 75.000 gals wir
15-12-12	34 4			7349-			& 45,000 gals atr
	· · · ·						
3.*				PRODUCTION			
ATE FIRST PRODUC	TION PROD	OUCTION METHOD	(Flowing, gas H	ft, pumping—sise a	nd type of pump)	WELL ST.	ATUS (Producing or n)
ATE OF TEST			Plewing				SI
ATE OF TEST	HOURS TESTED	CHOKE SI	ZB PROD'N. FO TEST PERI	OR OIL—BBL.	GAS-MCE	ER-BBL.	GAS-OIL BATIO
10/6/66 LOW. TUBING PRESS.	3			<b>&gt;</b>   <u>'</u>		FIATO /	
LOW. TUBING PRESS.	. CASING PRESSU	RE CALCULAT		GA8M		C. Land	L GRAVITY-API (CORR.)
211	GAS (Sold, used fo	r fuel mented a	<u> </u>		974	1090	1
PINCURITION UF	(AUIG, ##EG JO	. , 1600, VOMSOU, G	,		<b>.</b>	A CONTRACTOR	BY .
5. LIST OF ATTACE	HMENTS	<del></del>		<u>.</u>			
				1	10	Al-	
6. I hereby certif	y that the foregot	og and attached	information to	complete and sorme		Non all available reco	owde
1	1/11/10/	1050			we werermined )	at a die reco	74 V613
SIGNED	Turbeck	- <i>47</i>	Cholone	Senior P	reduction	Llerk DATE	siovember 10, 19
	- Harold 4	- ×16bdle			<del></del>		
	*/\$_		C t.	A J J:e:		C. I \	

6 9365

ee Instructions and Spaces for Additional Data on Reverse Side)

1 Atlantic 4. 20.0 4.00

# 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.

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. fem 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.

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 of integration in the state of the production of the produced in the state of th for each |tem 29:

TRUB VERT, DEPTH TOP MIN OFFIE GEOLOGIC MARKERS 5510 6230 4850 7260 terured Cliffs NAME regulacra esaverde sallup. akota Ancos 38. 37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POSOSITY AND CONTENTS THERROF; CORED INTERVALS; AND ALL DEILL-STEM TESTS, INCLUDING
DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, PLOWING AND SHUT-IN PRESSUESS, AND RECOVERIES DESCRIPTION, CONTENTS, ETC. Sand-Shale (Gas-ory) Sand-Shale (Gas-Dry) Sand-Shale (Ges) 7625 BOTTOM 3200 4920 TOP 4865 7350 3130 Pictured Cliffs FORMATION Hessveråe

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Form 9-331 (May 1963)

1-Continental

1-File

# UNITED STATES SUBMIT IN TRIPLICATES Other instructions on reverse side) Form approved. Budget Bureau No. 42-R1424. 5. LEASE DESIGNATION AND SERIAL NO.

W.

	GEOLOGICAL SURVEY		Jicarilla Cont 109				
SUNDR'	6. IF INDIAN, ALLOTTES OR TRIBE NAME Jicarilla Dulce N.M.						
1. OIL GAS TY			7. UNIT AGREEMENT NAME				
WELL WELL	OTHER		8. FARM OR LEASE NAME				
<del></del>	2. NAME OF OPERATOR						
Tenneco Oil Con	npany		Jicarilla B				
	, Durango, Colorado		7				
4. LOCATION OF WELL (Report	t location clearly and in accordance with an	y State requirements.	10. FIELD AND POOL, OR WILDCAT				
See also space 17 below.) At surface			Basin Dakota				
			11. BEC., T., R., M., OR BLE, AND				
1850 FNL 1150 I	FEL Unit H		Sec. 16, T. 26 N., R. 5				
14. PERMIT NO.	15. BLEVATIONS (Show whether	DF, RT, GR, etc.)	12. COUNTY OR PARISH 18. STATE				
	6610 Gr.		Rio Arriba New Mexic				
NOTIC TEST WATER SHUT-OFF	Check Appropriate Box To Indicate E OF INTENTION TO:  PULL OR ALTER CASING	HUR WATER SHUT-OFF	REPAIRING WELL				
FRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT					
REPAIR WELL	CHANGE PLANE	SHOOTING OR ACIDIZING (Other)	XX ABANDONMENT*				
(Other)			sults of multiple completion on Well ompletion Report and Log form.)				
gals. water. S Frac w/45,000# EUE tubing set	Letion unit 9/25/66. CO to a. Acidized w/1500 gals. Set BP at 7420. Perf. 737 sand and 45,000 gals. wat at 7563'. Installed tree /27/66. WO test.	6-84 w/lHPF, 7349-7 er. CO to 7616. R	on the first of th				
SIGNED HATOLO C.  (This space for Federal or APPROVED BY CONDITIONS OF APPROVED DISTRIBUTION: 6-USGS	NICHOLS  State office use)  TITLE	nior Production Cle	rking parts 10/13/66  The state of the state				
l-Atlantic	*See Instruction	e on Reverse Side	इंडिट हैं इन्हें				

	TED STATES T OF THE INTERI	SUBMIT IN TRIPLICA (Other Instructions on verse side)	TEPS Form approved. Budget Bureau No. 42-R1424. 5. LEASE DESIGNATION AND SERIAL NO.
GEOL	OGICAL SURVEY		Jicarilla Cont 109
SUNDRY NOTICES (Do not use this form for proposals to Use "APPLICATION"			6. IF INDIAN, ALLOTTEE OR TEIBE NAME Jicarilla Dulce N.M.
OIL GAS WELL OTHER	-		7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR			8. FARM OR LEASE NAME
Tenneco Oil Company			Jicarilla "B"
3. ADDRESS OF OPERATOR			9. WELL NO.
P. O. Box 1714, Durango,			7
4. LOCATION OF WELL (Report location clearly See also space 17 below.)	and in accordance with any	State requirements.	10. FIELD AND POOL, OR WILDCAT
1850 FNL 1150 FEL	Unit H		Basin Dakota
10)0 FML 11)0 FML	OHIC A		SURVEY OR ARBA
			Sec. 16, T. 26 N., R. 5 W
14. PERMIT NO.	ELEVATIONS (Show whether DF, 661)	o Gr.	12. COUNTY OR PARISH 18. STATE RIO Arriba New Mexico
16. Check Approp	riate Box To Indicate N	lature of Notice, Report, o	or Other Data
NOTICE OF INTENTION 1		· · · · · · · · · · · · · · · · · · ·	ENQUANT REFORT OF:
TEST WATER SHUT-OFF PULL O	R ALTER CASING	WATER SHUT-OFF	X REPAIRING WELL
	PLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE ABANDO	эм•	SHOOTING OR ACIDIZING	ABANDONMENT*
REPAIR WELL CHANG	PLANS	(Other)	The of malatale completion of Table
(Other)  17. DESCRIBE PROPOSED OR COMPLETED OPERATION proposed work. If well is directionally		Completion or Rec	ults of multiple completion on Well ompletion Report and Log form.)
Spud 9/4/66. Drilled to sx cement. Cement circul Ran 5 1/2" 15.5# and 14# WOC. Stage collars set a WO completion. Released rig 9/20/66.	ated. WOC. Dri: casing set at 760	lled to TD 7670 on 68' w/925 sx cement Ran IES and GRD	inted  inted  inted  inted  inted  inted  interior report of elegancy publication  interior subtractor incidental integral subtractor incidental interior  interior weld norde our reliable  interior interior strong independent  interior subtract of energy should  interior subtract of elegancy subt
18. I hereby certify that the foregoing is true  SIGNED HATOLA C. NICHOLS	/ / / / / / .	nior Production Cle	######################################
(This space for Federal or State office use)			1 00 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
APPROVED BY	TITLE	· · · · · · · · · · · · · · · · · · ·	DATE
CONDITIONS OF APPROVAL, IF ANY:			Consider of the state of the st
DISTRIBUTION 6-USCS			Since of the state
1-Atlantic	*See Instructions	on Reverse Side	ters bete bete bete bete cods
1-Continental			

l-File

#### TABULATION OF DEVIATION TESTS

#### TENNECO OIL COMPANY

#### JICARILLA "B" NO. 7

DEPTH	INCLINATION
157'	1/4°
337'	1°
1370'	1°
2745'	1-1/2°
3185'	1-1/4°
3722'	3/4°
4193'	1/2°
45091	3/4°
4695'	1/2°
4915'	1/2°
5103'	1-1/4°
5478'	1-1/2°
5763'	1-1/2°
60441	1/2°
6485'	3/4°
68291	1°
7298'	1-1/2°
7646'	1-1/2°

#### AFFIDAVII

THIS IS TO CERTIFY that to the best of my knowledge the above tabulation details the deviation test taken on TENNECO OIL COMPANY'S JICARILLA "B" NO. 7, Basin Dakota Field, located in Section 16, T-26-N, R-5-W, Rio Arriba County, New Mexico.

THE STATE OF COLORADO) COUNTY OF LA PLATA

BEFORE ME, the undersigned authority, on this day personally appeared Harold C. Nichols known to me to be Senior Production Clerk for Tenneco Oil Company and to be the person whose name is subscribed to the above statement, who, being my be duly sowrn on oath, states that he has knowledge of the facts stated herein and that said statement is true and correct.

SUBSCRIBED AND SWORN TO before me, a Notary Public in and for said County and State this 21st day of September, 1966.

My commission expires June 28, 1969.

MARIE L. POER P. O. Box 1714 Durango, Colorado La Piata County, Colorado

#### Distribution:

l copy - New Mexico Oil Conservation Commission / l copy - Atlantic Refining Company

1 copy - Continental Oil Company

1 copy - File

is of Label (May 1963)

19 TYPE OF WORK

b. TYPE OF WELL

2. NAME OF OPERATOR

Unit # H

OIL



#### SUBMIT IN TRIPLICATES

(Other instructions on

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES DEPARTMENT OF THE INTERIOR 5. LEASE DESIGNATION AND SERIAL NO. **GEOLOGICAL SURVEY** Jicarilla Cont-109 6. IF INDIAN, ALLOTTER OR TRIBE NAME APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK Jicarilla Dulce N.M. 7. UNIT AGREEMENT NAME DRILL A DEEPEN | PLUG BACK [] Single Zone MULTIPLE Zone X 8. FARM OR LEASE NAME Jicarilla "B" Tenneco Oil Company 9. WELL NO. 3. ADDRESS OF OPERATOR P. O. Box 1714, Durango, Coloredo 81301 10. FIELD AND POOL, OR WILDCAT 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*) 1850 PML 1150' PKL 11. SEC., T., B., M., OR BLE. AND SURVEY OR AREA At proposed prod. zone Sec. 16-26N-5W 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\* 12. COUNTY OR PARISH | 13. STATE

Rio Arriba 15. DISTANCE FROM PROPOSED\*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any) 16. NO. OF ACRES IN LEASE 17. NO. OF ACRES ASSIGNED TO THIS WELL **320** 1/2 19. PROPOSED DEPTH 20. BOTABY OR CABLE TOOLS 18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 7655' Rotary

21. RESTATIONS (Show whether DF, RT, GR, etc.)

22. APPROX. DATE WORK WILL START\* September 7.

6610° GR . 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4	8-5/8	20 & 244	400	Cament to surface
7-7/8	4-1/2	10.5 & 11.64	7655	let sthem - 295 ax.
•		-		2nd stage - coment to surface

We plan to drill to approximate TD 7655'. Run IES & CR Density logs. Sun casing es shown above w/ stage collar set approximately 300' below bottom of Hasayeris. Perf. and free and complete as a single Basin Dakota gas well. him 2-3/85 BUE tubing and conduct deliverability tests.



AUG 17 1966 U. S. GEOLOGICAL SURVEY FARMINGTON, N. M.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout 24

eventer program, it any.		
Original Signed By HAROLD C. MICHOLS		DATE 8-16-66
BIGNED HATOLA C. SCOOLS	TITLE	DATE CALCULATION
(This space for Federal or State office use)		
PERMIT NO.	APPROVAL DATE	
Cas		
APPROVED BY CONDITIONS OF APPROVAL, IF ANY:	TITLE	DATE

# NEW MEXICO OIL CONSEEVATION COMMISSION WELL LOCATION AND ACERAGE DEDICATION PLAT

Alf distances must be from the outer boundaries of the Section

Operator TENNECO OIL	COMPANY		I -	JICARILLA	nBn				Well No. /	
Unit Letter H	Section 16	Township 26	North	Range 5 West		County R10	Arriba	V		
Actual Footage Loca 1850	tion of Well: feet from the	North 1	line and 1	150	feet	from the	East '	/ lir	ne	
Ground Level Elev. 6610 ungraded	Producing F		P	ool Idaala da	hota		•		d Avereoge:	Acres
If more than interest and roy     If more than by communitize	n one lease is dialty), n one lease of diation, unitization	ledicated to the lifferent ownersh n, force-pooling.	well, outling is dedicated etc?	ne each and	identify vell, hav	the ow	vnership th	nerect RE	LES 19680 SON. CON IST. 3	orking lidated
If answer is "no necessary.)	o," list the owne	rs and tract des	criptions wh	nich have ac	tually c	onsolida	ted. (Use	reverse sid	de of this ?	orm if
	III be assigned to rwise) or until a									orced-

# Sec. 16 NEW ROBERT HEBINST NO. 2463 SOLUTION ALERINO NO. 2463 SOLUTION ALERINO NO. 2463

	CERTIFICATION
) be	reby cartify-that the information contained
	is true and complete to the best of my
	ge and biflief.
H	aroll C Sicholo
Nome	Production Clark
Position <b>Ten</b>	seco Oil Company
Company	net 16, 1966
Date	
i be	reby certify that the well location shown or
	t was plotted from field notes of actua
	mode by me or under my supervision, and
that the	some is true and correct to the best of an
knowled	ge and belief.
28	June 1966
Date Su	inveyed / / /

ond/or Land Surveyor Robert H. Ernst N. Mex. PE & IS 2463

Certificate No.

ERNST ENGINEERING CO. DURANGO, COLORADO