ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE **Application Acronyms:** [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication] [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response RECEIVED **TYPE OF APPLICATION** - Check Those Which Apply for [A] [1] Location - Spacing Unit - Simultaneous Dedication AUG 1 4 2002 ■ NSL NSP SD Check One Only for [B] or [C] Oil Conservation Division Commingling - Storage - Measurement CTB PLC PC OLS OLM DHC Injection - Disposal - Pressure Increase - Enhanced Oil Recovery [C] □ WFX □ PMX □ SWD □ IPI □ EOR □ PPR Other: Specify Hourson DRUNA [D] [2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply [A] Working, Royalty or Overriding Royalty Interest Owners [B] Offset Operators, Leaseholders or Surface Owner [C] Application is One Which Requires Published Legal Notice [D]Notification and/or Concurrent Approval by BLM or SLO U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office [E] For all of the above, Proof of Notification or Publication is Attached, and/or, [F]Waivers are Attached SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE [3] OF APPLICATION INDICATED ABOVE. [4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is accurate and complete to the best of my knowledge. I also understand that no action will be taken on this application until the required information and notifications are submitted to the Division. Note: Statement must be completed by an individual with managerial and/or supervisory capacity. Print or Type Name

e-mail Address

HOLLAND & HART LLP

DENVER - ASPEN
BOULDER • COLORADO SPRINGS
DENVER TECH CENTER
BILLINGS • BOISE
CHEYENNE • JACKSON HOLE
SALT LAKE CITY • SANTA FE
WASHINGTON, D.C.

P.O. BOX 2208 SANTA FE, NEW MEXICO 87504-2208 110 NORTH GUADALUPE, SUITE 1 SANTA FE, NEW MEXICO 87501-6525 TELEPHONE (505) 988-4421 FACS!MILE (505) 983-6043

William F. Carr

wcarr@hollandhart.com

August 14, 2002

HAND DELIVERED

Lori Wrotenbery, Director
Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources
1220 Saint Francis Drive
Santa Fe, New Mexico 87505

Re:

Application of CDX Rockies, L.L.C. for Administrative Approval of Horizontal Drilling and an Unorthodox Well Location in the Basin-Fruitland Coal Gas Pool, San Juan County, New Mexico.

Dear Ms. Wrotenbery:

Pursuant to the provisions of Rules 8 and 9 of the Special Rules and Regulations for the Basin-Fruitland Coal Gas Pool, as promulgated by Division Order No. R-8768 dated October 17, 1988, CDX Rockies, L.L.C. ("CDX") hereby files its application for an administrative exception to the requirements of Rule 7 as amended by Division Order No. R-8768-B, effective February 10, 2000, for the drilling of its BW Federal 33-29-8 Well No. 102 as an intentionally deviated horizontal wellbore on a 640-acre Project Area for this horizontal well comprised of two standard coalbed methane gas spacing units in Section 33, Township 29 North, Range 8 West, NMPM, San Juan County, New Mexico.

Rule 4 provides for 320-acre spacing and proration units in the Basin-Fruitland Coal Gas Pool and Rule 7 provides that wells in this pool in shall be located in the NE/4 or SW/4 of a single governmental section and shall be located no closer than 660 feet to any outer boundary of the spacing unit nor closer than 10 feet to any interior quarter or quarter-quarter section line. The surface location for the proposed BW Federal 33-29-8 Well No. 102 is 748 feet from the North line and 660 feet from the East line of Section 33. The well location is at a standard setback from the outer boundary of the Project Area for the well, the surface location is in the quarter section authorized by Rule 7, however, the lateral portions of the wellbore will penetrate two standard spacing units and it is therefore unorthodox. The horizontal drilling techniques to be employed by CDX require the drilling of a service well at a location 400 feet north northeast of the BW Federal 33-29-8 Well No. 102. This well, the CDX BW Federal 33-29-8 Service Well No. 202, will not be used for the production of hydrocarbons and will be drilled at a location 463 feet from the North line and 369 feet from the East line of said Section 33.

HOLLAND & HART LLP ATTORNEYS AT LAW

August 14, 2002 Page 2

CDX Rockies, L.L.C. proposes to drill the service well to a kick-off point at a depth of 2,710 feet and build a curve until a 90 degree curve is achieved at a vertical depth of 2920 feet. CDX Rockies proposes to then drill a lateral in a southwesterly direction to a terminus in the SW/4 of Section 33. Additional laterals will be drilled from the initial lateral wellbore as shown on the attached Deviated Drilling Plan "A." All laterals will all times be within a Producing Area at least 660 feet from the outer boundary of the Project Area.

Attached to this application are the following documents:

Exhibit A. A plat showing the proposed spacing unit, and all offsetting operators;

Exhibit B. Oil Conservation Division Form C-102 which shows the surface locations of the BW Federal 33-29-8 Well No. 102 and the BW Federal 33-29-8 Service Well No. 202.

Exhibit C. Deviated Drilling Plan "A".

Exhibit D. A schematic drawing of the BW Federal 33-29-8 Well No. 102 and the BW Federal 33-29-8 Service Well No. 202 which fully describes the casing, openhole interval, and kick-off point for the initial directional drainhole; and

Exhibit E. List of offset operators/owners.

All operators or owners of undrilled tracts offsetting the proposed location have been notified of this application by certified mail-return receipt requested in accordance with Rule 7 of the Special Rules and Regulations for the Basin Fruitland Coal Gas Pool. These parties have been a advised that if they have an objection to this application it must be filed in writing with the Division's Santa Fe office within twenty days from the date this notice was sent.

Your attention to this application is appreciated.

Very truly yours

William F. Carr

Attorney for CDX Rockies, L.L.C.

Enclosures

cc: Oil Conservation Division-Aztec

DISTRICT I 1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised August 15, 2000

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DISTRICT II 811 South First, Artesia, N.M. 88210

OIL CONSERVATION DIVISION

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

DISTRICT III 1000 Bio Brazos Rd., Astec, N.M. 67410

2040 South Pacheco, Santa Fc, NM 87505

2040 South Pacheco Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	² Pool Code	⁸ Pool Name	1			
⁴ Property Code	4	Property Name * Well N . FED. 33-29-8 20				
OGRED No.	Оре	rator Name	Elevation 6403			

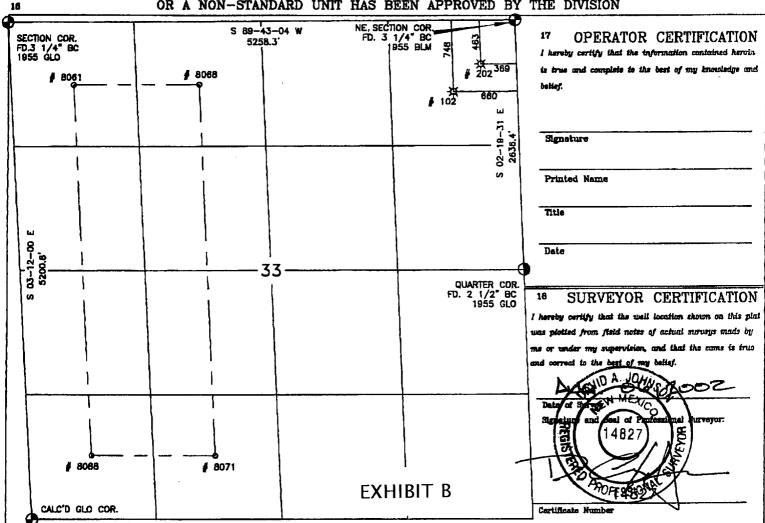
¹⁰ Surface Location

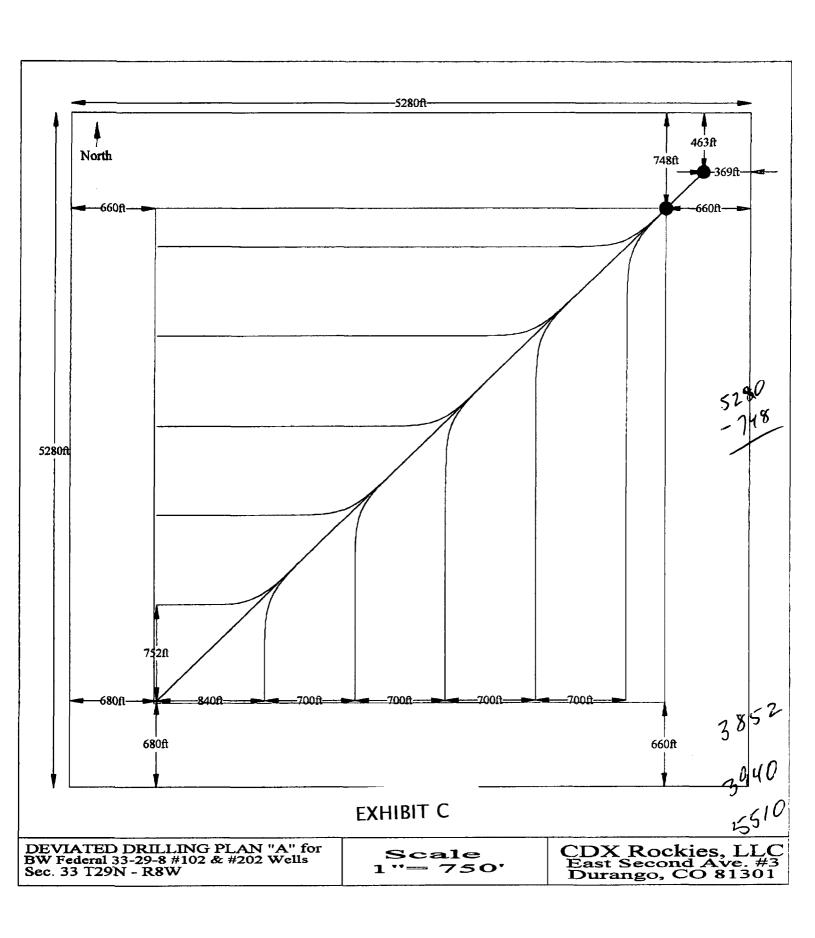
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	33	29-N	8-W		463	NORTH	369	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

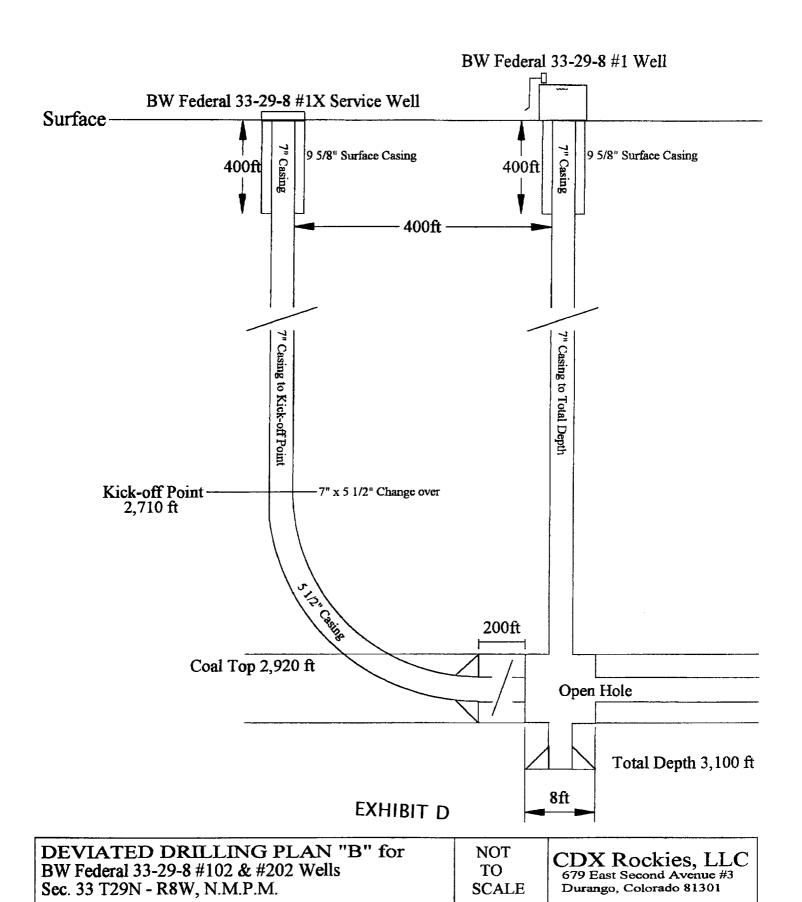
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Dedicated Acres			¹⁹ Joint or	lafili	* Consolidation C	ode .	¹⁰ Order No.		

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





p.25



HOLLAND & HART LLP

EXHIBIT E

Application of CDX Rockies, LLC Horizontal Drilling and Unorthodox Well Location Section 33, Township 29 North, Range 8 West, NMPM, San Juan County, New Mexico.

> Burlington Resources Oil & Gas Company 400 San Houston Parkway East, Suite 1200 Houston, Texas 77060

Burlington Resources Oil & Gas Company 3535 East 30th Farmington, New Mexico 87402

Conoco, Inc. 10 Desta Drive, Suite 100W Midland, Texas 79705

Conoco, Inc. 3315 Bloomfield Highway Farmington, New Mexico 87401

Energen Resources Corporation 2198 Bloomfield Highway Farmington, New Mexico 87402

Kukui Operating Company 26 County Road 2965 Aztec, New Mexico 87410

Kukui Operating Company 1415 Louisiana, Suite 3650 Houston, Texas 77002-7354 Attention: Steve Sandlin

Richardson Operating Company 1770 Lincoln Street, Suite 1700 Denver, Colorado 80203

Page: 1 Document Name: untitled

CMD :

OG6IWCM

INQUIRE WELL COMPLETIONS ONGARD

09/16/02 09:29:43 OGOMES -TPQA

Pool Idn API Well No: 30 71629 BASIN FRUITLAND COAL (GAS) 45 28413 Eff Date : 10-01-1995 W C Status : A

OGRID Idn 149678 KUKUI OPERATING COMPANY

Prop Idn 18227 HUGHES 33M

GL Elevation: Well No 003 6322

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

B.H. Locn 1 1 ω ω 29N W80 FTG 1070 F S FTG 1050 F W Ч

Lot Identifier:

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 EXIT

PF09

PF04 GoTo

PF05

PF10 NEXT-WC PF11 HISTORY PF12 NXTREC PF06

PF07 PF01 OG6ACRE CMD : Dedicated Land: Sect/Twp/Rng Spacing Unit Prop Idn Pool Idn API Well BKWD HELP E0005: Enter data No PF02 PF08 FWD ß 33 29N 08W Acreage 71629 BASIN FRUITLAND COAL (GAS) 18227 HUGHES 33M 5711 OCD Order : 45 28413 Base to modify or U/L Sec PF09 Z L Z 当 百 口 口 PF03 EXIT C102-DEDICATE ACREAGE ω 33 ယ Eff Date : 04-30-1991 ONGARD 29N 29N 29N 29N 29N 29N 29N 29N Twp Rng Acreage 08W M80 08W 08W 08W 08W 08W 08W PF keys to PF10 LAND PF04 GoTo 320.00 40.00 40.00 40.00 40.00 40.00 40.00 40.00 40.00 scroll Revised C102? (Y/N) Simultaneous Dedication: PF05 L/W **PF11 ZZZZZZZ** NXTSEC Ownership ΗĐ FD ED HD Ŧυ FD 09/16/02 09:29:49 PF12 PF06 Page No : Well No: 003 OGOMES -TPQA Lot Idn RECONF CONFIRM ب

Date: 9/16/2002 Time: 09:33:55 AM

CMD : OG6IPRD INQUIRE PRODUCTION BY POOL/WELL ONGARD 09/16/02 09:29:57 OGOMES -TPQA Page No: 1

OGRID Identifier: 149678 KUKUI OPERATING COMPANY

Pool Identifier 71629 BASIN FRUITLAND COAL (GAS)

API Well No : 30 45 28413 Report Period - From : 01 2000 To : 08 2002

PF01 PF07		30	30	30	30	30	30	30	API
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Date: 9/16/2002 Time: 09:34:03 AM

OG6IPRD CMD : INQUIRE PRODUCTION BY POOL/WELL ONGARD 09/16/02 09:30:01 Page No: 2 OGOMES -TPQA

OGRID Identifier: 149678 KUKUI OPERATING COMPANY Pool Identifier: 71629 BASIN FRUITLAND COAL (GAS) API Well No 30 45 28413 Report Period - From : 01 2000 To : 08 2002

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Date: 9/16/2002 Time: 09:34:05 AM

OG6IPRD

CMD : ONGARD

INQUIRE PRODUCTION BY POOL/WELL 09/16/02 09:30:02 OGOMES -TPQA

Page No: 3

OGRID Identifier: 149678 KUKUI OPERATING COMPANY

Pool Identifier : 71629 BASIN FRUITLAND COAL (GAS)

API Well No З О 45 28413 Report Period - From : 01 2000 To : 08 2002

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PF11 NXTOGD	PF05	
PF12	PF06 CONFIRM	

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OGRID Identifier: 149678 KUKUI OPERATING COMPANY Pool Identifier: 71629 BASIN FRUITLAND COAL (GAS) OG6IPRD CMD : INQUIRE PRODUCTION BY POOL/WELL ONGARD 09/16/02 09:30:03 Page No: 4 OGOMES -TPQA

API Well No

: 30 45 28413 Report Period - From : 01 2000 To : 08 2002

PF01 PF07		30	30	30	30	30	30	30	API
E 1 HELP 7 BKWD		45	45	45	45	45	45	45	 Well
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API Well No

30 45 28413 Report Period - From: 01 2000 To: 08 2002

71629 BASIN FRUITLAND COAL (GAS)

Pool Identifier

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Reporting Period Total (Gas, Oil) : 21377

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OG6IWCM CMD :

INQUIRE WELL COMPLETIONS 09/16/02 09:28:03

OGOMES -TPQA

API Well No : 30 45 27936 Eff Date : 10-01-1995 MCStatus :

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Pool Idn 71629 BASIN FRUITLAND COAL (GAS)

Prop Idn OGRID Idn 149678 KUKUI OPERATING COMPANY 18221 HUGHES A

Well No 017

GL Elevation: 6339

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

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Lot Identifier:

B.H. Locn

Dedicated Acre: 320.00

Lease Type

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

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

Date: 9/16/2002 Time: 09:32:09 AM

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OG6IPRD CMD : OGRID Identifier: 149678 KUKUI OPERATING COMPANY INQUIRE PRODUCTION BY POOL/WELL ONGARD 09/16/02 09:28:20 Page No: 1 OGOMES -TPQA

Pool Identifier API Well No : 71629 BASIN FRUITLAND COAL (GAS) 30 45 27936 Report Period - From : 01 2000 To : 08 2002

PF01 PF07		30	30	30	30	30	30	30	API
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Date: 9/16/2002 Time: 09:32:26 AM

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API Well No Pool Identifier 30 45 27936 Report Period - From : 01 2000 To : 08 2002

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OGRID Identifier: 149678 KUKUI OPERATING COMPANY

Pool Identifier 71629 BASIN FRUITLAND COAL (GAS)

API Well No 30 45 27936 Report Period - From: 01 2000 To: 08 2002

PF01 PF07		ω i	ω 0 0	30	30	30	30	API
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E0049: User m PF02 D PF08 FWD	Reporting Period Total (Gas, Oil)		HUGHES	HUGHES	HUGHES	HUGHES	HUGHES	Property Name
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Date: 9/16/2002 Time: 09:32:28 AM

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OGRID Identifier : 149678 KUKUI OPERATING COMPANY 71629 BASIN FRUITLAND COAL (GAS)

Pool Identifier

API Well No 30 45 27936 Report Period - From : 01 2000 To : 08 2002

PF01 PF07		30	ω 0 Ο	30	30	30	30	API
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E004 LP VD	Rep	27936	27936	27936	27936	27936	27936	No
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OG6IPRD CMD : OGRID Identifier : 149678 KUKUI OPERATING COMPANY INQUIRE PRODUCTION BY POOL/WELL ONGARD 09/16/02 09:28:26 Page No: 5 OGOMES -TPQA

API Well No Pool Identifier 30 71629 BASIN FRUITLAND COAL (GAS) 45 27936 Report Period - From : 01 2000 To : 08 2002

30 !	AI
1 4 4 1 10 10	API Well No
27936 HUGHES A 27936 HUGHES A	Property Name
05 02	Prodn MM/YY
25 25 1	1
1575	Product Gas
	Volu)il
н П П П	s Water
н Н Н П	Wel Sta

Reporting Period Total (Gas, Oil) : 43164 57

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

PF01 HELP PF02 PF07 BKWD PF08	Federal owned	E 40.00		Federal owned	D 40.00	Sec : 33 Twp :	CMD :
)2)8 FWD							·
PF03 EXIT	Federal owned A A A	F 40.00		Federal owned	C 40.00	29N Rng : 08W Secti	ONGARD INQUIRE LAND BY
PF04 GOTO I	Federal own	40.00	A	 Federal owned	B 40.00	Section Type : NORMAL	ARD D BY SECTION
PF05 PF11	owned			ned		Ţ	; ; }
PF06 PF12	Federal owned	H 40.00	AA	 Federal owned	A 40.00		09/16/02 09:27:48 OGOMES -TPQA

PF06 PF12	PF05	PF04 GoTo	PF03 EXIT	PF01 HELP PF02 PF07 BKWD PF08 FWD
A			₽	A A
 Federal owned	owned	 Federal owned	Federal owned	Federal owned
40.00		40.00	N 40.00	м 40.00
		A		Α
 Federal owned	owned	 Federal owned	Federal owned	Federal owned
1 40.00		J 40.00	K 40.00	L 40.00
	RMAL	Section Type : NORMAL	08W	Sec : 33 Twp : 29N Rng :
09/16/02 09:27:53 OGOMES -TPQA	4	RD D BY SECTION	ONGARD INQUIRE LAND BY	CMD : OG5SECT

District I PO Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Dep

Form C-104 Revised February 10, 1994

No Box 1960, H				nergy, Minera					71CHC524	Kevised	February 10, 1994 estructions on back take District Office
O Drawer DD, Hatriet III			O		PO BOX	2088		ON	eense Subm : 038	ut to`Approp i √ED	itate District Office 5 Copies
000 Rio Brazos Astrict IV	Rd., Aztec,	NM 87410		Santa I	Fe, NM	87504-	2088	<i>•</i> ດ ເ	S JAN 1	em 7 an	ENDED REPORT
PO Box 2 068 , S. [.			FOR A	LOWAE	BLE AN	D AUT	HORI	٠,	ION TO TE		
			Operator nam	e and Address						OGRID Num	
	_	ing Comp ipe, Sui	pany Lte #207						1496		
		77063	·						•	Resea for FULLS CH	· /
· · ·	Pi Number				• p	ool Name	····				16-1-95 Pool Code
30 - 045-	27936		Basin	Fruitla	and Coal	L				716	
' Pr	operty Code				¹ Pro	perty Nam	•			• 1	Well Number
II. 10 S	/ 8 25 Surface	Location	Hughe	s A			· 				17
Ul or lot no.	Section	Township	Range	Lot.Ida	Feet from	he i	North/Sou	th Line	Feet from the	East/West Eas	County
В	33	29N	8W		920		N		1620	E	San Juan
UL or lot no.		Hole Loc	Range	Lot Ida	Feet from	the	North/So	nth Kne	Feet from the	East/West Kae	County
В	33	29N	8W		920		N		1620	E	San Juan
12 Lee Code	13 Produci	ag Method Co	ide 14 Gas (Connection Dat	le " C·I	29 Permit		'	C-129 Effective	Date 17 C	-129 Expiration Date
F Cil o	ad Car	F	10.5			N/.	A	<u> </u>	N/A		N/A
III. Oil au			Transporter N	ame		³⁴ POD		¹¹ O/G	,	POD ULSTR I	
007057	·	I Paso I	and Address Vatural							and Descript	
00707	P	.O. Box			13	00130	/10 . T	G : All	B, Sec.	33, T29N-	r8w
		41 WILLIE 0									
el gyan el estala para para	loc.									المستاد المعرفية المراجع المراجع والمراجع والمرا	والمعاصدين التراجع يهوريهم
											
								Section 8	<u>.</u>		
		····								可至低	EIMEU
										M DEC -	8 1995
	Meater.									3.00	
	rop	ater	 		14	POD ULS	TP I seet	ion and I		<u> </u>	ON DOW
1300		В,	Sec. 33	, T29N-R		100 00	IK DAM	NA ENG :	,	שוש	N. 3
		tion Data	ı	· · · · · · · · · · · · · · · · · · ·							,
¹¹ Sp	ud Date		²⁴ Ready D	ile		מד יי			^н РВТО		1º Perforations
	™ Hole Size		31 (asing & Tubir	ne Size	<u> </u>	33	Depth Se	*	¹⁵ Se	cks Cement
											······
								. • • • • • • • • • • • • • • • • • • •			
	Test D	,	hallon P	<u> </u>		 :	17		S& Park		N.C. D
Date	New Oil	Gas D	elivery Date	* To	est Date		Test Lei	ngth	" Tbg. P	ressure	²⁶ Cag. Pressure
" Chol	ce Size		' Oil	0	Waler	-	d Gas		" AC	OF .	" Test Method
	······			<u> </u>	·····						
with and that t	be informatio		Conservation D is true and com	-			OI	L CO	NSERVAT	ION DIVI	SION
knowledge and Signature:		·	Jana			Approved				2.8	
Printed name:	5+	100 S	ANDLI	n)		Title:		SU	PERVISOR	-	T#3
ļ			-LANI			Approval	Date:				
			Phone: 7		-1510				DEC -	8 1995	
	change of o	erstor fill in t	be OGRID au	mber and nam	e of the previ	ious operat	or				
06400		Operator Sign	roleum S	ervices	, inc.	Printer	l Name			Title	Date
	ווו וט	Ou			J.	M. Ti		<u>r_</u> _	Р	resident	12/1/95
											ئىيىتىتىكى بايدىنىدى

Submit 5 Copies
Appropriate District Office
DISTRICT I

State of New Mexico Energy, Minerals and Natural Resources Department

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

DISTRICT 1 P.O. Box 1980, Hobbs, NM 88240 DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

OIL CONSERVATION DIVISION P.O. Box 2088 RECEIVED

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

Santa Fe, New Mexico 87504-2088 93 00 29 AM 9 04

1000 tile Brezze remit cared till a contra						AUTHORI.		•		
I. Operator		TO THE	INSP	OH! OIL	- AND NA	TURAL GA		API Na		
Quintana Petroleu	m Servi	.ces, I	nc.					30-045-2	7936	
Address										
P. O. Box 3331. Reason(s) for Filing (Check proper box)	Houst	on, Tx	<u>. 7</u>	7253	Oth	et (Please expla				
New Well		Change in	Transp	orter of:		ta (r izase capa	,			
Recompletion	Oil		Dry G							
Change is Operator	Casinghea		Conde			//OF 5	×	0-1-	01.001	<u> </u>
If change of operator give name and address of previous operator	Kenzie	Methan	ie Co	rp., 1	911 Ma1n	, #255,	Durango	, 6010.	81301	
II. DESCRIPTION OF WELL	AND LE	ASE								
Lease Name		Well No.			ing Formation	*****		العدد		case No.
Hughes A		17	<u> </u>	asin F	r Coar		SCHE,	Peteral or Fee	SF-07	0049
Location B	92	20		_]	N rie	162	0 _		\mathbf{E}	•
Unit LetterD	_ :		red r	rom The		e and		et From The		Line
Section 33 Townsh	ip 29N	1 .	Range	8W	, N	мрм, San	Juan			County
III. DESIGNATION OF TRAN	UCBADTE	D OF O	II AN	ID NATE	DAI CAS	, •				
Name of Authorized Transporter of Oil	13FUKIE	or Conder		C NAIO		e address to wh	ich approved	copy of this for	m is to be se	:nl)
						····				
Name of Authorized Transporter of Casin El Paso Natural Gas	ighead Gas		or Dry	Gas X	Address (Giv P. O.	Box 499	0, Farm	copy of this for lington,	m ω ω be se NM. 87	7401
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp	Rge.	is gas actuali No	y connected?	When	?		
If this production is commingled with that				Va commissi		har-				
IV. COMPLETION DATA	, irom any ou	HET ICAME OF	pout, gr	ve comming	mil con amin	·				
Designate Type of Completion		Oil Well		Gas Well X	New Well	Workover	Deepea	Plug Back S	ame Res'v	Diff Resv
Date Spudded	·	pl. Ready to	Prod.	Λ	Total Depth			P.B.T D.		
10-7-90	- I	24-91				2985		2938		
Elevations (DE, RKB, RT, GR, ac.)	1	roducing Fo			Top Oil/Gas	•		Tubing Depth		
6339 CI	Fruit	tland (Coal		2759			2820 Depth Casing		
								Depth Casing	3006	
		UBING,	CASI	NG AND	CEMENTI	NG RECOR	D	·		
HOLE SIZE		SING 1-1		SIZE	000	DEPTH SET		s/	CKS CEM	ENT
12-1/4	5 1	5/8,24 ,17#	1#		266 2984			420 +	100	
7-7/8 N/A		$\frac{17\pi}{3/8, 4}$.7#		2820			None		
							· · · · · · · · · · · · · · · · · · ·			
V. TEST DATA AND REQUE OIL WELL Test must be after										
OIL WELL (Test must be after Date First New Oil Run To Tank	Desc of Te		of 1044	ou and must		ethod (Flow, pu	***			
		-						U) E 6		
Length of Test	Tubing Pre	DESELIO.			Casing Press	TLE		Gloke Size		i i i
Actual Prod. During Test	Oil - Bbls.				Water - Bbia			GAL MCT	<u>14199</u>	3
	Oil - Both	•				•		OII C	ORI I	PER A T
GAS WELL					<u> </u>				MET S	# 8 C C
Actual Prod. Test - MCF/D	Length of	Test	•		Bbis. Condes	MMCF .		Gravity of Co	occupa.	-
Testing Method (pitot, back pr.)	Tubing Pr	essure (Shu	(-ia)		Casing Press	ure (Shut-in)	 .	Choke Size		
		,,,,,,	_,							
VL OPERATOR CERTIFIC	CATE OF	F COMI	PLIA	NCE		0" 001	10551	47.01.5		
I hereby certify that the rules and regu						OIL CON	-	ATION [N
Division have been complied with and is true and complete to the best of my	I that the lafe knowledge r	ermation gives and belief.	ren abov	•	Date	Approve	d0	CT 1419	993	
The Su	nell						7.	s d	_/	
Steve Sandlin,	. Lan	id Mana	ger	ì	.∥ By_		SUPER	VISOR DIS	TRICT	43
Printed Name 13 /8/53	(71	.3) 651	-888	9	Title		JUFER			-
Date		Tele	sphone	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.

DISTRICT P.O.Box 1980, Hobbs, NM \$8241-1980

35, and R-8170 as amended.

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-135

Adopted 4-1-91

DISTRICTI CONSERV P.O. Drawer DD, Artesia, NM 66211-0719

of Conservation Division P.O. Box 2088

SEE FILING INSTRUCTIONS BOTTOM OF PAGE

DISTRICT III
1000 Rio Brazos Rd, Aziec, NM 17410

REC! YED Santa Se, New Mexico 87504-2088

GAS WELL CONNEC ION, RECONNECTION, OR DISCONNECTION NOTICE

Connection X	First Delivery	09/05/91				
		Date	Initial Potential			
Reconnection	First Delivery		·			
Reconnection	i nai Denveiy	Date	Initial Potential			
Disconnection						
		Date				
or delivery of gas from the	M	CKENZIE METHAN	IE Cess.			
		Operator				
		Hughes A				
		Lease				
97-029-01 05-469-01	17	_B	33-29-08			
Meter Code Site Code	Well No.	Unit Letter	S-T-R			
	Basin - Fruitland Coal					
	· · · · · · · · · · · · · · · · · · ·	Pool				
was made on 09/05/91	•		m encive'm			
Date			BECEIAEU			
			SEP2 0 1991			
775 775			0 C1 10 Q 10 Q 1			
775 775 AOF Chol	(ce		4. Programme 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.			
	ke		∤			
OCD use only	ke					
OCD use only	ke	EL PASO NA	NTURAL GAS COMPANY			
AOF Chol	ke	EL PASO NA				
OCD use only County	ke					
OCD use only County	ke	Transporter				
OCD use only County	ke	Transporter Signature of	STURAL GAS COMPANY			

inhmit 5 Copies Appropriate District Office 215 F.H.C.(1.) 4 TO Box 1980, Nobbs, NM 88240

* * SHIP OF THEW INCARCO Energy, Minerals and Natural Resources Department

Form C-104 Resised 1-1-89 See Instructions At Bottom of Page

OIL CONSERVATION DIVISION

P.O. Box 2088

MSTBICE II O. Drawer DD, Anesia, NM 88210 UN DIVISION Santa Fe, New Mexico 87504-2088/L CONSERV PISTRICT III COU Rio Unazon Rd., Azlec, NM 87410 REC REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GLABUR 26 AM Operator McKenzie Methane Corporation 30-045-27936 Address 1911 Main Ave., Suite 255, Durango, Colorado 81301 Reason(s) for Filing (Check proper box) Othet (Please Explain) New Well (X Change in Transpotler of: Recompletion Diy Clas] Condensale Change in Operator Casinghead Gat f change of operator give name ad address of previous operator I. DESCRIPTION OF WELL AND LEASE Kind of Lease State Federal or Fee Lease Name Well No. Pool Name, Including Formation Lease No. Hughes A SF-078049 Basin FT Coal Location 920 1620 fell from the ... __ Line and ᆣ Unit Letter ____ Feet From The Line 33 29N 8W , NMPM, San Juan County II. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS Haine of Authorized Transporter of Oil bt Condeniale Address (Give address to which approved copy of this form is to be sent) Name of Authorized Transporter of Casinghead USS ... Address (Give address to which approved topy of this form is to be sent) 6t Diy Cal 🕎 P.O. Box 4990, Farmington, NM 87401 El Paso Natural Gas If well produces oil of liquids, Sed. TWp. Rgê. is gas actually connected? When t ive location of tanks. No I this production is commingled with that from any other lease or pool, give commingling order number: V. COMPLETION DATA Gat Well OII Well New Well Workover Deepen Plug Back Same Res'v Diff Res'v Designate Type of Completion - (X) Date Spudded Dale Compl. Ready to Prod P.O.T.D. 2938 10-7-90 5-24-91 Top OiVUsi Pay Elevations (DF, RKB, RT, GR, etc.) Name of Producing Connetion Tubing Depth 6339 GL 2759 2820 Fruitland Coal l'erferations Denth Cation Shoe 2984 2759-83, 2830-55 TUBING, CASING AND CEMENTING RECORD HOLE SIZE CASING & TUBING SIZE **SACKS CEMENT DEPTH SET** 266 200 12 - 1/48-5/8-24# $5\frac{1}{2}$, 17#2984 420 + 1007 - 7/8None N/A 2-3/8, 4. 2820 V. TEST DATA AND REQUEST FOR ALLOWAULE able for this depth or be (Test must be after tecovery of lotal volume of load oil and inust be equal to be exce Producing Method, "50E1 16 1981. Date First New Oil Run To Tank Date of Ted

Cáting Prétaute l coeth of Test Tubing Pressure Water - Rhie Actual Prod. During Test Oll - Bbla.

GAS WELL

Actual Frod. Test - MCF/D Length of Test Cravity of Condensate Bbla. Condensate/MMCF 24 hours Casing Pressure (Shut-In) lesting Method (pitot, back pr.) Tubing Pressure (Shut-in) Unoke Size 2" prover 775 Psig

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above

is true and complete to the best of thy	knowledge and belief.
73/	Soft
Signature R. J Sagle	Operations Manager
Printed Name	Tille 303/385-4654
	303/385-4654
Date	Telephohe No.

OIL CONSERVATION DIVISION AUG 2 1 1991 -21-91

Date Approved

By

Tille_ SUPERVISOR DISTRICT # 3

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.

. , . ,	UNITED STATES ARTMENT OF THE INTERIOUS JREAU OF LAND MANAGEMENT	SUBMIT IN TRIPLICATE* (Other instructions on re- verse side)	Expires August 31, 1985 LEASE DESIGNATION AND SERIAL NO. SF-078049
SUNDRY I	NOTICES AND REPORTS O proposals to drill or to deepen or the bar PPLICATION FOR PERMIT—" for such pro	NUMMER LESSON RECEIVED	B. IF INDIAN. ALLOTTER OR TRIBE WAVE
OIL GAB X OT WELL WELL OT	191 AUG 26	AM 10 43 JUL 31 PM	7. UNIT AGREEMENT NAME : 19 : 10
McKenzie Methane C	Corporation	019 FARMINGTO	Hibbes A
1911 Main #255, D 4. LOCATION OF WELL (Report loc See also space 17 below.) At surface	urango, Colorado 81301 / ation clearly and in accordance with any/8	tate requirements.*	#17 10. PIBLD AND POOL, OR WILDCAT
920	' FNL, 1620' FEL	-	Basin FT Coal 11. SEC., T., B., M., OR BLE. AND SURVEY OR ARMA Sec33-T29N-R8W
14. PERMIT NO. API 30-045-27936	15. ELEVATIONS (Show whether DF, B	TT, GR, etc.)	12. COUNTY OR PARISH 18. STATE San Juan NM
16. Chec	k Appropriate Box To Indicate Na		
TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL (Other) 17. DESCRIBE PROPOSED OR COMPLET proposed work. If well is nent to this work.) *	PULL OR ALTER CASING MULTIPLE COMPLETE ABANDON* CHANGE PLANS ED OPERATIONS (Clearly state all pertinent directionally drilled, give subsurface locations)	WATER SHUT-OFF FRACTURE TREATMENT SHOOTING OR ACIDIZING (Other) Drilling Re (Note: Report results of Completion or Recompleti	ALTERING WELL ALTERING CASING ABANDONMENT® Multiple completion on Well on Report and Log form.)
SEE A	ATTACHED	AUG21 OIL CON DIST.	1991 DIV.1
18. I hereby certify that the foreg	olng is true and correct		

*See Instructions on Reverse Side

FARMINGTON RESOURCE AREA

MCKENZIE METHANE CORPORATION DAILY DRILLING REPORT Durango Office

10-7-90

化二氯化镍矿

Hughes A #17

NE/NE/4 Sec33-T29N-R8W, San Juan Co., NM

AART: DRLG

DEPTH: 270'

DAILY: MIRU 4 States #1. Drill mouse & rat hole.

Spud 12-1/4" hole @ 12:00 AM 10-7-90. Drill to 270'.

TOOH. Run 6 jts (256') 8-5/8", 24#, K55 STG csg set @ 266'. Cement w/200 sx (236 cu ft) class B, 2% CaCl, 1/4#/sx cellophane flakes. PD @ 5:00 PM 10/7/90. Circ 10 bbl cmt. WOC. Cut off csq & weld on bradenhead. NUBOP & PT-OK. TIH w/7-7/8" bit & drill cmt&

openhole. MUD: spud. Surveys: 270' - 3/4

10/8/90

Hughes A #17

NE/NE/4 Sec33-T29N-R8W, San Juan Co., NM

AART: DRLG

DEPTH: 1441'

DAILY: Drill to 1441' w/bit #2.

MW: 9.2 Vis: 32

Surveys: 822' - 1, 1411' - 1.

10/11/90

Hughes A #17

NE/NE4 Sec33-T29N-R8W, San Juan Co., NM AART: Logging DEPTH: 2985'

DAILY: Drill to TD 10/11/90. Circulate, cond. hole, TOOH for logs. MW: 9.0 VIS: 48 Surveys: 2548'-1,

2960' - 1-1/2.

10/12/90

Hughes A #17

NE/NE 4 Sec33-T29N-R8W, San Juan Co., NM DEPTH: 2985' AART: Moving

DAILY: Log well. Microlog failed. TIH. Circ for casing. TOOH. LDDP. Run 94 jts. (2974'), 5-1/2", 17#, J55, LTC casing set @ 2984'. Float collar @ 2941. Omt 420 sx (773 cu ft), 65/35 POZ, 6% gel, 10% salt, 1/4#/sx cellophane, followed by 100 sx (118 cu ft), class G, 2% CaCl, 1/4#/sx cellophane. PD 9:00 PM 10/11/90. Circ 15 bbl cmt. Set slips, cut off casing. Release rig @ 11:00 PM. MUD: N/A Surveys: N/A

(Hovember 1983) (Grandby 9-330) UNITED STATES BUBMIT IN DUPLICATE Expires August 31, 19	
DEPARTMENT OF THE INTERIOR (Service Department of The Interior Department o	
BUREAU OF LAND MANAGEMENT	
WEISERSOMPLETION OR RECOMPLETION REPORT AND LOG * THE PROPERTY OF THE OR THE OR THE PROPERTY OF THE PROPERTY O	SIKAN BRI
THE ORDINATE OF THE PAGENTAGE WATER TO THE THE PAGENTAGE HATE	
FARMING THE COLUMN TO THE PARMING THE COLUMN THE COLUMN THE PARMING THE	·
2. NAME OF OPERATOR Make and the state of t	s,
MCKEUSIE LECTIONE COTPOLACTON	
3. ADDRESS OF OFERATOR	
1911 Main Ave., Stiffe 255, Durango, Colorado 01301	
At surface 920' FNL, 1620' FEL Rasin FT Coa II. BEC. T., R., M., OR BLOCK A	E BURTET
At top prod. Interval reported below Same	
At total depth G	
Same 11. FERRIT NO. DATE ISSUED 12. COUNTY OR 13. ST. PARISH	178
20_0/5_27036 6_28_90 San Juan NM	
10. 7.00 10. 11.00 5.2/-01	
0339 Gb	1001.8
2985 2938 DEGET ALI	·
24. PRODUCTING INTERVAL(8), OF THIS COMPLETION - TOP, NOTICE TARE (MD AND TVD)	LADB CTIONAL
Fruitland Coal: 2759-2855 AUG 21 1991 No	
24 FIFTH PLECTATE AND OTHER LOGS AVIN OIL CON. DIV.	ORPD
GR/SP/CAL-Density/Microlog DIST 3 No	
CASING RECORD (Report all strings set to 2.1) CASING RECORD RECORD AMOUNT	THLLED -
8-5/8 24 266 12-1/4 236 cu ft circ cmt	
5½ 17 2984 7-7/8 891 cu ft "	
	
P. LINER RECORD 30, TUBING RECORD	
BIER TOP (MD) BOTTOM (MD) BACRB CEMENT* BCREEN (MD) BIEE DEFTH BET (MB) PACRER &	SE (MD)
2-3/8 2820	
1. PERFORATION RECORD (Interval, size and number) 1. 12. ACID SHOT ERACTION OFMENT SQUEEZE ETC	
DEPTH INTERVAL (MD) AMOUNT AND THE OF MATERIAL C	
.40" holes: 4 SPF: 2759-83, 2759-2855 62,000 gals + 50,000#	
2830-55.	
PRODUCTION	
TR FIRST PRODUCTION PRODUCTION METICOD (Flowing, gas lift, pumping—size and type of pump) WRILL STATUS (Production plant in)	ug er
WOPL Flowing SI IN OF 1887 HOURS TESTED CHOES SIZE (FROD'N, FOR OIL—BBL. GAS—MCP. WATER—BBL. GAS—OIL BA	710
5-29-91 24 .50 TEST PERIOD 0 164 0	
	(CORR.)
20 Daio 20 Daio """" """	
30 Psig 30 Psig 164 COHORLOW	
mineralizion or and (Bold, weed for fuel, vented, etc.)	
To Be Sold	
To Be Sold	
To Be Sold	
To Be Sold WILLIAM Coal Test Data ACCEPTED 199 Steve Layne AUG 16 199 Steve Layne	

to proper to

d 38. GEOLOGIC MARKERS	NAME NEAS. DEPTH VERT. DEPTH	Ojo Alamo 1860 Kirtland 2006 Fruitland 2640 Pictured Cliffs 2867		
overies): TOP BOITOM TOP BOITOM BESCRIPTION, CONTENTS, ETC.			A TO	
BOTTOM			1 (1 (p - c)	
TOP			,	
overies): RMATION			ÇC	

MCKENZIE METHANE CORPORATION HUGHES A #17 FRUITLAND COAL TEST DATA

Test Date:

5/29/91

SITP/SICP:

775/775 Psig

(7 days)

Final FTP/FCP:

30/30 Psig

(24 hours)

Flow Rate:

164 MCFD, O BWPD, O BOPD

Stabilized rate after 24 hours.

Measured through 2" prover with .50 orifice.

No separator was used since no fluid was

produced.

R. J. Sagle

Operations Manager

ormerly 9–331) DELARTMENT BUREAU OF	OF THE INTERNI LAN MANAGEMENT		SF-078049	AND BERIAL NO.
SUNDRY NOTICES (130 not use this form for proposals to use "APPLICATION")	AND REPORTS C	N WELLS	6. IF INDIAN, ALLOTTEE	AKAN BUIRT RO
USE APPLICATION I	1311 (11) (11)		KE VED	 ж i
OIL GAR TOTHER	RE	C: VED /		
NAME OF OPERATOR	tion '91 AUG 20	3 AM 10 4391 JUL	31 PHANE OF GRADE HAM	1
McKenzie Methane Corpora	tion 91 nun 2		l Hughes A	
	C-11- 01	019 FAR	MINE FON, N.M.	
1911 Main Ave., #255, Dura	ngo, Colorado ol nd in accordance with any i	State requirements.*	10. FIBLE AND POOL, OF	WILDCAT
See also space 17 below.) At surface		1	Basin FT Coal	
			11. SEC., T., B., M., OR B SURVEY OR ARMA	LR. AND
920' FNL, 1620' F	EL			
FERNIT NO. 15. E	LEVATIONS (Show whether DF,	RT. GR. etc.)	Sec33-T29N-R8	
	6339' GR	ni, di, caa,	San Juan	NM
21 30-045-27936				I INTI
Check Appropri	ate Box to Indicate N	ature of Notice, Report, o	or Other Data	-
NOTICE OF INTENTION TO	:	BUB	SEQUENT REPORT OF:	
TEST WATER NHUT-OFF PULL OR	ALTER CABING	WATER SHUT-OFF	REPAIRING W	*RLL
FRACTURE TREAT MULTIPL	E COMPLETE	FRACTURE TREATMENT	ALTERING CA	DA18
RHOOT OR ACIDIZE ABANDON	'*	SHOOTING OR ACIDIZING	ABANDONMEN	X
REPAIR WELL CHANGE	PLANS	(Nors: Report res	on Report uits of multiple completion of	on Well
Other) DESCRIBE PROPOSED OR COMPLETED OPERATIONS proposed work. If well is directionally discounting the complete of the comp	(Clearly state all pertinent	details, and give pertinent de	ompletion Report and Log for ates, including estimated date	of starting aus
•	SEE ATTACHED		AUG21 199 OIL CON. D DIST. 3	ر و
SIGNED AND C	0	erations Manager	DATE 5/29/	91
(This space for Federal or State office use)			ACCEPTED FOR	KEOUND
APPROVED BYCONDITIONS OF APPROVAL, IF ANT:	TITLE		AUG 10	1991
			AUG 10	non anth
	*C 1	an Payana Sida	FARMINGTON RE	SOURCE AKEN

tle 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the nited-States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

McKENZIE METHANE CORPORATION DAILY COMPLETION REPORT Durango Office

5-21-91 Hughes A #17 (NEW WELL COMPLETION)

Sec33-T29N-R8W, San Juan Co., NM PBID: 2935' TD: 2985'

AART: Run GR/CCL

DAILY: MIRU Triple P Well Service. NDWH. NUBOP. Tally,

PU & RIH w/ bit & tbg. PBID = 2935'. TOOH & SDON.

5-22-91 Hughes A #17

· · · · ·

Sec33-T29N-R8W, San Juan Co., NM PBID: 2938' TD: 2985'

AART: Frac well.

DAILY: Run GR/CCL from PBID to 2600'. PT csg to 4000#. TIH & spot 400 gals 7-1/2% DI HCl @ 2855'. TOOH. Perf coals w/ 4" csg gun 4 SPF from: 2759-83, 2830-55. TIH w/ "spit tool" & acidize perfs w/ 1000 gals 7-1/2% DI HCl. Total of 9 settings. Avg breakdown pressure 1835#. Avg ISIP = 330#. Grac gradient = .58 Psi/ft. Circ acid

from hole & TOOH. SDON.

5-23-91 Hughes A #17

Sec33-T29N-R8W, San Juan Co., NM PBID: 2938' TD: 2985'

PBID: 2938'
AART: TIH & C/O sand.

DAILY: R/U Dowell & frac down csg w/ 62,000 gals 70 Q N2 foam & 50,000# 40/70 & 12/20 sand. Treated @ 40 BPM @ 2000#. Well screened out @ start of 3 PPG stage. Max pressure = 4200#. Shut well in for 1 hr & flow back to

pit through 1/2" tapped bull plug.

5-24-91 Hughes A #17

Sec33-T29N-R8W, San Juan Co., NM PBID: 2938' TD: 2985'

AARI': FWICU

DAILY: Kill well. TIH w/ 2-3/8" tbg. Tag sand below perfs @ 2900'. C/O to PBTD w/ foam. PU & land tbg @ 2820'. NDBOP & NUWH. Kick well around w/ N2 & leave flowing to pit to clean up. RDMOSU. FINAL REPORT.

				/			_
1 - m 3160 - 5 Not oalber 1983) Formerly 9331)		UNITED STATE MENT OF THE		SUBMIT IN TRIPLICA (Other lustructions on verse side)	eed	SF TOV BIY 4510N	No. 1004 -04 1 31, 1985 AND SERIAL EN
		ICES AND RE		WELLS	R	€ 14 29 14 14 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	OR TRIPE NAME
OR GAR	X OTHER	Coalbed	Methane	DO LOS ANTE	779	7. UNIT AGREEMENT NA	- 78
" NAMP OF OPERATOR			·	TASMINGTON LESS	HEXIO	B FARM OR LEASE NAM Hughes A	Ē
T ADDRESS OF OPERATO	re hernar	e Corporat				9. WALL NO.	
1911 M 1 LOCATION OF WELL (See also space 17 be At surface	ain Ave Report location of low.)	#255 Dur	ango, Col	orado 81301 e regulrementa.		#17 10. FIELD AND POOL, OR Basin Fruit	
920 ' :	FNL, 1620	' FEL		· · · · · · · · · · · · · · · · · · ·		Sec33-T29N-I	
it ingur no		15. BIEVATIONS (Sh	ow whether DF, RT,	GR, etc.)		12. COUNTY OR PARISE	
API 30-045-	27936	6339	' GR			San Juan	NM
17	Check Ap	propriate Box To	Indicate Natu	e of Notice, Report, a	or Ot	hei Data	
	NOTICE OF INTEN		i	•		HT ABPORT OF:	
TEST WATER SHUT-C	[]	TEL OR ÅLTER CASING (ULTIPLE-COMPLETÈ		WÄTER BHUT-OFF FRACTUBE TREATMENT		REPAIRING W ALTERING CA	11
				********	1 1	1 m 1 mm - m	! !

Effective 8/22/90, McKenzie Methane Corporation assumed operatorship of the subject well from Amoco Production Company, P.O. Box 800, Denver, Colorado 80201.

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

ILLEGIBLE

(Other) Change in operator

FEB1 3 1991 OIL CON. DIV. DIST. 3

(Nors: Report résults of multiplé complétion on Wel Complétion or Récomplétion Report and Log form.)

	4	
SIGNED A CAN SIGNED	TITLE Operations Manag	
(This space for Federal or State office use)	TITLE	ACCEPTED FOR RECORD
CONDITIONS OF APPROVAL, IF ANT:		FEB 04 1391
	*See Instructions on Reverse Side	FARMINGTON RESOURCE AREA

15 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make the ly to make the any department or agency of the Control States any false, fictitious or fraudulent statements or representations as

					30-045-	27936
Form 3160-3 (Novembooks RV21 (tormerly 9-331CRECE)	760	D STATES	SUBMIT IN TR (Other instruc reverse sli	tions on		o. 1004 <u>–</u> 0136
,,,_	DEPARLMENT			ſ	G. LEASE DESIGNATION	IND BERIAL NO.
<u>9 111 00.</u>	AN DUREAU OF I				SF-078049	
APPLICATION	FOR PERMIT TO	O DRILL, DEE	PEN, OR PLUG B	ACK	O. IF INDIAN, ALLOSTES	OR TRIBE RAMB
IA. TYPE OF WORK DRIL b. TYPE OF WELL	L [X]	DEEPEN []	PLUG BAC	:к 🗆	7, UNIT AGRESMENT NA	MB
		Coal Seam	SINGLE ZONE ZONE	LB []	8. FARM OR LEASE NAM	18
2. NAME OF GPERATOR					Hughes "A"	
Amoco Product 3. ADDRESS OF OPERATOR	ion Company	ATTN: J.	L. Hampton		#17	•
At surince	Denver, Col		O l. by State requirements.*)	<u></u>	10. FIELD AND FOOL, O Basin Fruitlan	d Coal Gas
920 9±0 ' At proposed prod. zone	FNL, 129 0' F 1620 same	EL, NE/NE		 	Sec. 33, T	#A
14. DISTANCE IN MILES A	ND DIRECTION FROM MEAR	ST TOWN OR POST OF	Fice*		12, COUNTY OR PARISH	18. STATE
**************************************			·	· · · · · · · · · · · · · · · · · · ·	San Juan	NM
15. DISTANCE FROM PROPU- LOCATION TO NEAREST PROPERTY OR LEASE LE		ļ	. NO. OF ACRES IN LEASE	TO T	OF ACRES ASSIGNED	
(Also to nearest drig	. unit line, if any) 💍 💆	10'	1,920.0940		20 acres E /2	
TO NEAREST WELL, DE OR APPLIED FOR, ON THE	ULLING, COMPLETED, 8 LEASE, FT.		3080 TD	Rota		
21. ELEVATIONS (Show whe	ther DF, RT, GR, etc.)	;;			22. APPROX. DATE WO	RE WILL START
633	6' GR 33	9		DRILLIN	G OPERATIONS AUTHO	rmitted
procedural review pun	suant to 43 CFR 8166	ROPOSED CASING	AND CEMENTING PROGR	AMSUBJECT	TO COMPLIANCE WIT	H ATTACHED
and appeal pursuant t	0 43 nGFR = 31.85.4.	WEIGHT FER FOOT	SETTING DEFTIC	"GENER	AL REQUIREMENTS WE	AT.
12_1/4"	8.5/8"		250' 3086 (mp.		cf (cement to s	
7.7/8"	5_1/2"		(TD)) 001	cf (cement to s	urface)
Lease Descrip T29N-R8W: Sec. 27: A Sec. 28: E Sec. 33: A Sec. 34: E	11 /2 11 /2		JUL 2 1990 OIL CON. D DIST. 3		50 MAY - 1 AP 10:32	
	drill or deepen directions	lly, give pertinent de	or plug back, give data on a			
BIG NED	tampton/c	Λ	-Sr. Staff Admin.	Supv.	DATE 4/2	7/90
(This space for Fede	ral or State office use)		APPROVAL DATE		APPROVE	ED_
					AS AMENL)ED
APPROVED BY	/AL, IF ANY :	TITLD		·-···	JÜÑ 2 8 199	0
ok_		NN	NOCD		Ken Townser	10
(0)		• • • • • • • • • • • • • • • • • • • •	ions On Reverse Side	FOR	Ken Townser AREA MANA	GER

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

DISTRICT III

State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088 Santa Fe, New Mexico 87504-2088 Form C-102 Revised 1-1-89

RECEIVED BLM MAIL ROOM

90 MAY 15 AM 8: 42

P.O. Bux 1980, Hobbs, NM 88240

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

FARMING DE REDUNCE AREA

1000 Rio Brazos R	d., Aziec, NM 87410	All Distances must	be from the outer bou	ndaries of the secti	ion .	MMINGTON, NEW MEXICO
Operator		<u></u>	Lease			Well No.
AMOCO	PRODUCTION	COMPANY	HUGHES /	'A/		# 17
Unit Letter	Section	Township	Range		County	
В	33	29 NORTH	8 WES	iT	NMPM SA	N JUAN
Actual Footage Lo	cation of Well:		•			
920 Ground level Elev.	feet from the	NORTH line an		1620 fee	et from the EA	IST line
6339	Fruitla	rormation 12 Coal	Basin Fr	vitland (Coal Gas	Dedicated Acreage: 320.00 E/2 Acres
1. Outlin	ne the acreage dedicated	to the subject well by colored	pencil or hachure marks	on the plat below.		
2. If mo	re than one lease is dedi	cated to the well, outline each a	nd identify the ownershi	ip thereof (both as to	working interest and	royalty).
		erent ownership is dedicated to	the well, have the interes	st of all owners been	consolidated by com	munitization,
umti z	ation, force-pooling, etc.		type of consolidation _			
		and tract descriptions which ha		dated. (Use reverse	side of	
this form	n if neccessary.	· · · · · · · · · · · · · · · · · · ·	-			·
		the well until all interests have sinating such interest, has been			itization, forced-poolis	ng, or otherwise)
	1				OPERAT	OR CERTIFICATION
	•		, ,			certify that the information
	i		920			in in true and complete to the ledge and belief.
1	i		9		1 3 3	······································
1	i	•		,	Signature	/ /
	: 1		<u> </u>	1620	SIN	MOTORULA
1	i		j		Propted Name	7 / /
					Position	amp Toh
		9	j		Sc Stz	4 Hanin Sim.
D)	ECEIV		}	į	Company	1 Marin Ogr
			ļ	1	Amoca	Prod
	JUL 2 1990		ļ		Date	5-90
OI	L CON. DI	V. 33	ì		SURVEY	OR CERTIFICATION
	DIST. 3				1	
	DI41. 0				— 1	y that the well location shown
	!		!			as plotted from field notes of made by me or under my
	ļ		ļ		supervison, an	d that the same is true and
	ļ ļ		ļ		10 1	best of my knowledge and
	!		ļ		belief.	
					Date Surveyed	May 7, 1990
	į		į		Signature & Se	redy D. Va
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L	1 <u></u>				Certification 7016	
					7 M	FESSIONN THE
330 660 9	990 1320 1650 1	980 2310 2640 20	00 1500 1000	0 500 (0	C3210KW-

District I PO Box 1960, Hobbs, NM \$8241-1960

State of New Mexico

Form C-104 ON DIVISIONRevised February 10, 1994

District II PO Drawer DD, Artesia, NM \$8211-0719

Instructions on back OIL CONSERVATION DIVISION ED Submit to Appropriate District Office

ous Operator Signature

PO Box 2088 Santa Fe, NM 87504-2088 District III -2088 "96 JAN 7 | AM 8 52 □ AMENDED REPORT 1000 Rio Brazos Rd., Aziec, NM 87410 District IV PO Box 2088, Santa Fe, NM 87504-2088 REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OGRID Number Operator name and Address KUKUI Operating Company 149678 7880 San Felipe, Suite #207 ' Resson for Fling Code Houston, TX. 77063 10-1-95 5 Pool Name API Number 1 Pool Code 30 - 0 45-28413 Basin Fruitland Coal 71629 Property Code Property Name ' Well Number 8227 Hughes 33M 3 10 Surface Location II. Township North/South Line | Feet from the Range Lot.lda Feet from the Section Ul or lot no. 8w 33 29N 1070 S 1050 San Juan 11 Bottom Hole Location Feet from the North/South line Feet from the East/West Kas County UL or lot so. Section Township Range Lot Ida 29N 8w 1070 1050 San Juan 14 C-129 Effective Date 15 C-129 Permit Number 12 Lee Code " Producing Method Code 14 Gas Connection Date 17 C-129 Expiration Date F F N/AN/A N/A III. Oil and Gas Transporters Transporter "Transporter Name M POD 31 O/G n POD ULSTR Location OGRID and Address and Description El Paso Natural Gas P.O. Box 4990 007057 1299730 G M, Sec. 33, T29N-R8W Farmington, N.M. 87499 DEC - 8 1995 COM. DIV Produced Water B POD ²⁴ POD ULSTR Location and Description DIT, 3 1299750 M, Sec. 33, T29N-R8W Well Completion Data " TD Soud Date " PBTD " Ready Date 19 Perforations Hole Size 31 Casing & Tubing Size 32 Depth Set ³³ Sacks Cement VI. Well Test Data M Date New Oil " Gas Delivery Date " Test Date " Test Length M Thg. Pressure ³⁶ Cag. Pressure " Oil # Gas " Chake Size 4 Water " AOF " Test Method " I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my OIL CONSERVATION DIVISION knowledge and belief. Approved by: 27.8 SUPERVISOR DISTRICT #3 Title: Approval Date: LAND DEC - 8 1995 Phone: 7/3/784-15/0 of operator sill in the OGRID number and name of the previo 36436 Quintana Petroleum Services, Inc.

Printed Name

J. M. Trotter

Title

President

Date

12/1/95

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

State of New Mexico

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

OIL CONSERVATION DIVISION PASSERVATION DIVISION DIVISION OF Page P.O. Box 2088

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

Santa Fe, New Mexico 87504-2088, 93 00 1 29 11 9 04 REQUEST FOR ALLOWABLE AND AUTHORIZATION

I	TO TR	ANSPORT OF	L AND NATURAL GA			
Operator Quintana Petrole	um Services,	, Inc.		Well	30-04	5–28413
P. O. Box 3331,	Houston, Tx	x. 77253				
Reason(s) for Filing (Check proper box) New Well		in Transporter of:	Other (Please expla	in)		
Recompletion	Oil Casinghead Gas	Dry Gas — Condensate				
If change of operator give name MCK			911 Main #255, Du	rango,	Colo. 813	01
and address of previous operator						
II. DESCRIPTION OF WELL				· · · · · · · · · · · · · · · · · · ·		
Lease Name Hughes 33 M	Well No.	Basin F			Lease Federallor Fee	Lease No. SF-078049
Unit LetterM	1070	_ Feet From The	S Line and 105	0 Fe	et From TheW	Line
Section 33 Township	29N	Range 8W	, nmpm , San	Juan		County
THE DESIGNATION OF TRANS	CROPETED OF C	TE ABID MATERI	IDAL CAC			•
III. DESIGNATION OF TRANS Name of Authorized Transporter of Oil	or Conde		Address (Give address to who	ich approved	copy of this form t	s to be sent)
Name of Authorized Transporter of Casing El Paso Natural Ga		or Dry Gas 🛣	Address (Give address to white P. O. Box 4990,	ch approved Farmii	copy of this form ington, NM.	s to be sent) 87401
If well produces oil or liquids, give location of tanks.	Unit Sec.	Twp. Rge.	Is gas actually connected?	When	7	***************************************
If this production is commingled with that f	from any other lease or	r pool, give comming				
IV. COMPLETION DATA	Oil Wel		New Well Workover	Despes	Plug Back Sam	e Resiv Diff Resiv
Designate Type of Completion	1	j X	<u>i i</u>		i i	i
Date Spudded	Date Compl. Ready t	lo Prod.	Total Depth	··	P.B.T.D.	
11-15-90 Elevations (DF, RKB, RT, GR, etc.)	5-29-91 Name of Producing F		2910 Top Oil/Gas Pay		2840	
6322 GR	Fruitland		2614		Tubing Depth 2761	
Perforations 2614-18, 2646-5			2011	<u>.</u>	Depth Casing She 2910	*
	TUBING	, CASING AND	CEMENTING RECORD	<u> </u>	<u> </u>	
HOLE SIZE	CASING A T	UBING SIZE	DEPTH SET			S CEMENT
12-1/4	8-5/8,		235		200	
7-7/8	$\frac{4-1/2}{2}$	11.6#	2910			+150 sx
M/H	2–3/8,	4.1#	2761		Non	<u>e</u>
V. TEST DATA AND REQUES OIL WELL Test must be after re		•	t be equal to or exceed top allow	· · · · · · · · · · · · · · · · · · ·	don't on he for he	II 24 hours
Date First New Oil Run To Tank	Date of Test	oy tost of the mast	Producing Method (Flow, pur			u 24 ROWS.)
					B E W A	
Length of Test	Tubing Pressure		Casing Pressure			
Actual Prod. During Test	Oil - Bbis.		Water - Bbis.		OCT1	4 1993.
GAS WELL					OIL CC	N. DIV.
Actual Prod. Test - MCF/D	Length of Test		Bbis. Condensate/MMCF		Gravity of Gand	opus 3
Testing Method (pilot, back pr.)	Tubing Pressure (Shu	ui-iā)	Casing Pressure (Shut-ia)		Choice Size	and the state of t
	<u> </u>				<u> </u>	
VI OPERATOR CERTIFIC I hereby certify that the rules and regular Division beautiful that the rules and regular The rules are results and regular The rules are rul	sticks of the Oil Couse	ervation	OIL CON	SERV	ATION DIV	VISION
Division have been complied with and is true and complete to the best of my is	mowiedge and belief.	ve# 200 0 V	Date Approved	ـــــــ لا	OCT 14	1993
Signature Sans	uh .		Ву	_ 7	w d	
Steve Sandlin,		Manager Tide	Title	SUP	ERVISOR D	STRICT #3
Date		651-8889 lephone No.	1110			

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.

DISTRICT I P.O.Box 1980, Hobbi, NM \$8241-1980

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-135 Adopted 4-1-91

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DISTRICT II

OIL CONSERVATION DIVISION P.O. Box 2088

SEB FILING INSTRUCTIONS **BOTTOM OF PAGE**

DISTRICT III 1000 Rio Brazos Rd, Aztec, NM \$7410

P.O. Drawer DD, Artesia, NM 88211-0719

Santa Fe, New Mexico 87504-2088

This is to notify the Oil Conservation			
11113 13 to hours die on conservan		ile tollowing.	े के स्थाने हैं
Connection X	First Delivery	09/19/91	
		Date	Initial Potential
Reconnection	First Delivery	/	
	•	Date	Initial Potential
Disconnection			
		Date	
for delivery of gas from the		McKENZIE METHA	NE CRIMI
for delivery of gas from the		Operator	
		Hughes 33 M	
		Lease	
97-028-01 05-479-01	#3	M	33-29-08
97-028-01 05-479-01 Meter Code Site Code	Well No.	Unit Letter	S-T-R
1.10.01 0000 B.10 0000			
	<u> </u>	asin - Fruitlan	nd Coal
		Pool	
was made on 09/19/91	•		RECEIVED
Date			RECEIVED SEP271991
260 260			01/27/1991
AOF Choke	C		OIL CON. DIV
OCD use only			0.07
County			
County 254:			ATURAL GAS COMPANY
Land Type F		Transporter	0-1/
Liq. Transporter		Co	INfaren-
		Signature of	Transporter Representative
		EN MADELIM	. MFASHREMENT SPECTALIST /

FILING INSTRUCTIONS:

Each transporter of gas from a prorated gas well shall submit this form in duplicate to the appropriate district office of the Division within 30 days following the connection, reconnection, or disconnection of a well from their gathering/transportation system, in accordance with Rule 1104, Rule 1135, and R-8170 as amended.

Printed Name and Title

BOX 4990, FARMÍNGTÓN NM 87499, (505)599-2128

Address and Telephone Number

obnit 5 Copies propriate District Office US FRICTJ O Box 1980, Fabbe, NAC 88240 ISTRICER O. Drawer DD, Aneda, NM 88210 USTRICTIII DOJ Rio Brazos Rd., Azlec, NM 87410

· · Duite OF LYCH MICKICO Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088 Santa Fe, New Mexico 87504-2088 of L CONSERV REC: FED Form C-101 Revised 1-1-89 See Instructions at Bottom of Page

		REQ	JEST F	ANSPC	LOWAE	AND NA	AUTHORI TURAL GY	ZATION	3 AM 9	To	
Speciator			10 110	11101	711 01	. ///W IV .	1011/1L W	<u>۱۳۵۱ / سور</u>	KPI No.		
	nzie Methan	e Corp	oratio	n		•	·		30-045-28	3413	
\ddress 1911	Main Ave.,	Suite	255.	Durans	po. Col	orado 81	301				
leason(s) for Filing (Ch					30,		et (Please explo	ain)			
lew Well	X		Change in	i Transpot	rier of:		•	•			
l'ecompletio n		Oli] bry dss		•		•			
Thange in Operator	U	Cadoghés	19 CH	Conden	nde 🗌						
change of operator given address of previous of	é namé operator				·		·				
I. DESCRIPTION	N OF WELL /	AND LE		-i						- 	
Lease Name	22 M			Pool Na	•	ing Formation			Lesse Federal or Feé		ease No.
	es 33 M		3	1	Bas	in FT Co	al	State	Teoriai Gi i cc	SF-07	8049
Unit Letter _	M	107	70	_ teŭ t i o	om Tha	S Lin	10)50 F •	et From Thé	W	Line
Section	33 Township	29N		Rangé	8W		MPM,	Con I			County
Jtt how	1 Owners			Kango		3 (12 114	nrm,	San J			County
II. DESIGNATIO	ON OF TRANS	sportf	ek of o	IL AN	D NATU						
lame of Authorized Tra	Insporter of Oil		of Cotider				e address to W	hich approved	copy of this form	n la to be se	ni)
Vaine of Authorized Tra	Ansporter of Casing	head Clas		61 Diy 1	Usi [Y]	Addréss (Giv	l address lö w	hich approved	topy of this forth	it to be te	ni)
El Paso	Natural Gas	s		-		P.O. B	ox 4990,	Farming	ton, NM 8	3 <u>7401</u>	
If well produces oil at II	iquids,	Unit .	Sec.	1Wp.	Kgē.	ie gas adusti		When			
ive location of tanks.		i '	<u> </u>	1	<u> </u>	No					
I this production is come V. COMPLETIO		rom kny of	het lésse of	r pool, giv i	é coinningl	ling oider fram	bet:			<u>,</u>	
			Oil Wel	11 0	Jat Well	New Well	Workovet	Deepen	Mug Back S	ame Res'v	Diff Reg'y
Designate Type of Date Spudded	Of Compicuon -		ipl. Ready t		<u> </u>	Total Depth	<u> </u>	<u> </u>	/, _L		<u></u>
11-15-90)	5.	-29-91	.0 PTOG.		29	10		P.D.T.D. 2840)	
Elevations (DF, RKB, R			Producing F	onution	i	Top Olivois Pay			Tubing Depth		
6322 GR	,	1	iitland		•	2614			2761		
Perforations						1			Depth Cating Shot		
2614-	18, 2646-51, 2							<u></u>	2910)	· · · · · · · · · · · · · · · · · · ·
						CEMENT	NO RECOR		-,		
HOLES	SIZE	c/	ASING & T	UBING S	3IZE .		DEPTH SET			CKS CEM	ENT
12-1/4		<u> </u>	8-5/	/8, 24 <i>i</i>	#	<u> </u>	235		200		
7-7/8		 	•	,	.6#	- 	2910 2761	<u> </u>	450 sx	+150 s one	<u>×</u>
N/A		-	2-3/	8, 4.	7#	-	2701		110)IIe	
v. TEST DATA 7						<u></u>		•	<u></u>		
	Test must be after t	ecovery of	lotal volum	i of load a	oll and mus					r full 21 hov	#5.)
Date First New Oil Rus	a To Tank	Date of T	'eri		•	Producing M	lethod (Flow, p	uny, gas lift,	Hc.)	421	
· · · · · · · · · · · · · · · · · · ·						- Barrier Branch			FET!	15	
length of Test		Tubing Fr	rétisuié			Citing Press	01 0	IK ?	THE STEE		
Actual Prod. During Te		-				WMet - Bbit		<u>UV</u>	JULY 15 1	991.	
Actual Pico. During 16	:ST	Oil - Bui	ı.		,	AWCI - Dois	L		Dans		
		1				.1			M CON	DIV	,
GAS WELL								٣,		2	
Actual Frod. Test - MC		Length of				Bols, Conde	anie/MMCF		। एक भी के द ह	ndensate	
283	3	1	24 h	ours							,

VI. OPERATOR CERTIFICATE OF COMPLIANCE

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

lesting Method (pitot, back pr.)

2" prover

Signature Operations Manager Printed Name Tille 303/385-4654

7-10-91 Telephohe No.

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

Psig

1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.

Casing Pressure (Shut-In)

Tille

260 Psig

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

Tubing Pressure (Shut-in)

260

OIL CONSERVATION DIVISION

Choke Size

.50

Date Approved

By SUPERVISOR DISTRICT # 3

namerly 9-330)		UNITED	STATES	SUBM	IT IN DUPLIC	- 1	Expires /	urenu No. 1001-0137 Nugust 31, 1985
	DEPARTI	MENT OF	THE I	NTERIOR	7 Flruc	office in- thins on 5.		NATION AND MERIAL NO.
	BURE	EAU OF LAND	MANAGEM	IENT		the world?	SF-07804	
WELL CO	MPLETION (OR RECOM	IPI ETION	DED OF			ON INDIAN. AI	LOTTE OR TRING HAME
TYPE OF WEL	Li iii.			ILI OKI	ALLE LO	KD.	,Ui:	
TYPE OF COM	W F1.1.	William [X]	DRY L	Uther	Oun rio i i	ono offi	HIT AUREES	ENT AAHS
KSW. [X]	WORK [7] DESER	rite	PIFF.	91 Other	AUG-13		FARY 400 4.24	
MANE OF OFERAT		<u> </u>	40.000	V(RF)	7.000		uehes 33	
	McKenzie M	ethane Cor	poration		FARMIN	5.	MEI'T KO.	rı
APPREAR OF OPE	RATOR				······	_{#/}	13	
	1911 Main	Ave. Suit	e 255, Du	rango, Co	lorado 81	301 77		TOOL, OR WILDCAT
	1070' FSL, 1		COLHUNCE ICITY	anh State Ledut	rementa)*	1	Basi	n FT Coal
	-					"	OR AREA	e" On Brock wet soute!
At top prod. int	erval reported belo	w balle				- 1		
At Inial depth	Same						ec33-T29	N-R8W
			14. PERMIT	1	DATE ISSUED	13	. COUNTY OR PARISH	18. STATE
PATE STITUTED	IR. DATE T.D. REA	::::::::::::::::::::::::::::::::::::::	30-045-2		11-8-90		San Jua	
11-15-90	1		5-29-91	to prod.) 18	. ELEVATIONS (1 6322		R, RTC.)*	6324
IOTAL DEPTH, WD	Į.	BACK T.D., NO A T	rb 22.	I'I ME I JOSE CALE LA			DIARY TOOLS	CABLE TOOLS
29	10	2840		TUE	AETU	1.70 DT	.11	1
	RVAL(8), OF THIS CO	SILETION -10F.	HOTTOM, :	(ND AND TYD)			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	25. WAR DIRECTIONAL
			-	AUG 08	1991			
	land Coal: 2			til	- RA		·	No. WAR WELL CORPO
·				NE CON			*'	
	GR/SP/CAL-1			DIST ell atringi				No
CARINO RIZE	Weinnt, La./Ft	DEPTH ART	(MD)	ioi.e size		SERTING RECO	PRD	AMOUNT PULLED
8-5/8	24	235		12-1/4	236	cu ft		
41/2	11.6	2910		7-7/8	1009	cu ft		
	-			· · · · · · · · · · · · · · · · · · ·				
	<u>1</u>	NER RECORD	<u> </u>		30.	71'0	ING RECORL	
8128			ACRE CEMENT	BCREEN (M		 -	H BET (MD)	PACER BET (MD)
				_	2-3/	8 2	761	_
PERFORATION REC	ond (Interval, else	and number)		\$2.				queeze, etc.
.40" ho	les: 4 SPF:	2614-18,	2646-51		PERVAL (MD)			F MATERIAL USED
_		•	2040 319	2614=	2796	80,000	gais +	123,000# SD
2	2706–30, 2778	3-96.	•					
					······································			······································
	~			ODUCTION				
WOPL	TOR PRODUCT	TION METROD (FI	Flowing	pumping—else	and type of pur	mp)	wall, ata	•
WOFL)	HOURS TESTED	CHOER SIZE	FIOWILIE	01k-09k	gar-M	CF. N	ATER—DOL.	SI WAN-OIL MATIO
-30-91		.50	TEST PERIOD			83	_	
TUBING PRESS.	TABING PRESSURE	CALCULATED	011	- I U	<u> </u>	WATERREC	<u> </u>	Pri-api (conn.)
50 Psig	50 Psig	24-HOUR RATE		28	3	0	a de	no.
	o Be Sold	iel, vented, etc.)				7.5	1 Chain	0 01
LIST OF ATTACH	1			· 		ACCEPTE	Steven	Ayne
THE ALLEGE		1 M 1			•	Milit	100 r	OCK ARKA
i hereby certify	Fruitland C	and attached luig	ata Irmailon le con	polete and corre	ect as delermin	ed from all	Vallable .res	
	1215	~~~ ["]				oor	WE TON THE	6
TOURD	1 0	7	TITLE	Operat NMOCD	TOUS LISTIN	<u> </u>	AMITATE	Alfre AREA 7-10-91
	*(See 1	nstructions and				ne SidaN		
15 th 5.C. Se	ction 1001, make	s it a crime for				73 -	denartment	or agency of the
ad States any	false, fictitions	or franchilant at	niamente as a		• •• •• •••	atter milital	ten torra Har	te.

SUBMIT IN DUPLICATE.

Buoget Bureau No. 1001-0137

	FORMATION .	. SUMMARY OF PO drll-stem, tests, i recoveries):
	TOP	ROUS ZONES: (Sincluding depth in
	BOTTOM	now all important terval tested, cu
AND AND HO STATE OF THE STATE O	DESCRIPTION, CONTENTS, ETC.	SURMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);
Ojo Alamo Kirtland Shale Fruitland Pictured Cliffs	NAME OF THE PERSON OF THE PERS	38. GEC
1820 1955 2555 2805	1	GEOLOGIC NARKERS
VERT. DEPTH	TOP	

MCKENZIE METHANE CORPORATION HUGHES 33 M #3 FRUITLAND COAL TEST DATA

Test Date:

5/30/91

SITP/SICP:

260/260 Psig (7 days)

Final FIP/FCP:

50/50 Psig (24 hours)

Flow Rate:

283 MCFD, 0 BWPD, 0 BOPD

Stabilized rate after 24 hours.

Measured through 2" prover with .50" orifice.

No separator was used since no fluid was

produced.

R. J. Sagle

Operations Manager

	AU OF LAND MANAGEMENT		SF-078049/	
			6. IF INDIAN, ALLOTTRE OR T	SKAN SEIS
SUNDRY NOT	TICES AND REPORTS C	ON WELLS		2 4
(Do not use this form for propo	ATION FOR PERMIT— for auch pa	POTVISION RECEIVE	V20	
		<u>~</u> , 1	7. UNIT AGREEMENT NAME	
OIL GAB X OTHER	RECEIVE	V		
NAME OF OPERATOR	10 July 07 00	9 05 91 MAY 31	100 - 8. FARM OR LEASE NAME	 .
	'91 JUN 25 AT	1 2 03 à 1 11811 a.	Hughes 33 M	
McKenzie Methane Corpo	Tacton	319 FARY		
	o Colorado 81301	ATA LYW	/ #3	
1911 Main #255, Durang	clearly and in accordance with any	State requirements.*	10. FIELD AND POOL, OR WILD	CAT
See also space 17 below.) At surface	•	-	Basin FT Coal	
			11. aBC., T., B., M., OR BLE. AN	(D
1070' FSL,	1050' FWL		SURVET OR AREA	
•			Sec33-T29N-R8W	,
PERMIT NO.	15. BLEVATIONS (Show whether DF.	PT OR etc.)	12. COUNTY OR PARISE 18.	STATE
	, , , , , , , , , , , , , , , , , , ,	ar, ord coar,		īM
30-045-28413	6322 GR	······································	San Juan N	M.I
Check A	ppropriate Box To Indicate No	ature of Notice, Report.	, or Other Data	
NOTICE OF INTE	• • •		UBSEQUENT REPORT OF:	
				<u></u>
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL	
FRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING	
SHOOT OR ACIDIZE	ABANDON*	SHOOTING OR ACIDIZIN		
REPAIR WELL	CHANGE PLANS	(ion Report	
(Other)			resuits of multiple completion on We ecompletion Report and Log form.)	П
		II.	DECEIVE	
		Ü	MERITE D	
S	SEE ATTACHED	4		
	(OUFIC)		JUN21 1991	
	(one)		OII 00.	
		•	OIL CON. DIV.	
			DIST. 3	•
I hereby certify that the foregoing is	1 0 1			
SIGNED - RO Saile	TITLE Oper	rations Manager	DATE 5/30/91	£
				<u>W</u>
(This space for Federal or State off	ce use)		ACCEPTED FUR REGUL	
APPROVED BY	TITLE		HUULI DATE	
CONDITIONS OF APPROVAL, IF A			1111 20 1991	-
			JUIN AF	שבת
			RESOURCE AN	nli's
	*See Instructions	on Reverse Side	FARMINGTON RESOURCE AS	
	\$11.40	rn rn	DV SOLIS	
1-10115 6 6 1 1001	NMO	100 - 1	1 1 4	. (.)

:le 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the ited States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

MCKENZIE METHANE CORPORATION DAILY COMPLETION REPORT Durango Office

91 MAY 31 MAY 10: 33 Q19 FARYINGTOH, N.M.

5-24-91

Hughes 33 M #3 (NEW WELL COMPLETION)

Sec33-T29N-R8W, San Juan Co., NM PBID: N/A TD: 2910' AART: SD for holiday weekend.

DAILY: MIRU Triple P Well Service. NDWH & NU 5000# BOP. Tally, PU & RIH w/ 3-7/8" bit & tbg. Tag PBID &

TOOH. SDON.

5-28-91

Hughes 33 M #3

Sec33-T29N-R8W, San Juan Co., NM PBID: 2840' TD: 2910'

AART: TIH & C/O

DAILY: Run GR/CCL/CBL from PBID to 2200'. PI csg to 4000#. TIH & spot 300 gals 7-1/2% DI HCl @ 2796'. TOOH. Perf coals w/ 3-1/8" csq qun, 4 SPF as follows: 2614-18 2646-51, 2706-30, 2778-96. Frac well down csg w/ 80,000 gals 70 Q N2 foam & 123,000# 40/70 & 12/20 sand. Treated @ 50 BPM @ 2200#. Max pressure = 2450#. Flush to top perf & SD. ISIP = 1590#. Shut well in for 1 hr. & flow back to pit through 1/2" tapped bullplug. SDON.

5-29-91

Hughes 33 M #3

Secs 3 TZEN REW, San Juan Co., NM TD: 2910'

AART: FWICU PAIL Will well. TIH w/ 2-3/8" tbg open-ended. Tag sand @ 2741/, C/O to PBID w/ N2 foam. PU & land tbg @ 2754 DBOP & NUWH. Kick well around w/ N2 & leave open no pit to clean-up. RDMOSU. FINAL REPORT.

100 5 Nationally 1083) DEPAR Parmerty 9-331) DEPAR	UNITED STATES TMENT OF THE INTER EAU OF LAND MANAGEMEN	SUBMIT IN TRIPLICATE (Other lightfuctions on re-	Form approved. Budget Burcau N Expires August 5. LEASE DESIGNATION I SF-078049	31, 1985
SUNDRY NO DIE THE COLD TO PE	OTICES AND REPORTS (opposals to drill or to deepen or plug in the control of the	back to a different reservo)f:	6. IF INDIAN, ALLOTTER	· -
1 JAN 17 CAS W OTHER	Coalbed Methane	53 1101 29 /PM 12: 31	7. UNIT AGRESSENT NAM	
McKenzie Methan	e Corporation	CARMINGTON, HER MEXIC		
1911 Main #255, LOCATION OF WELL (REPORT location See also appace 17 below.)	Durango, Colorado	81301 State requirements.*	9. WALL NO. #3 10. FIRLD AND POOL, OR	WILDCAT
At aurface	, 1050' FWL		Basin Fruit	E. AND
if arestrown,	15. ELEVATIONS (Show whether of	, RT, GR, etc.)	Sec33-T29N-F	
30-045-28413	6322 GR		San Juan	NM
Check	Appropriate Box To Indicate N	lature of Notice, Report, of O	ther Data	
NOTICE OF IN	TÉNTION TO:	àuBsáqui	ent refort of:	
FRACTURE TREAT SHOOT OR ACIDIZE DEPAIR WELL (Other)	PULL OR ALTER CARING MULTIPLE COMPLETE ABANDON® CHANGE PLANE	Completion or Recomple	of multiple completion or tion Report and Log form	X Well
17 MORINE PROPOSED OR COMPLETED proposed work. If well is dir nent to this work.) *	organions (Clearly state all pertlucu ectionally drilled, give subsurface local	t detalls, ånd give pertinent dåteå, tions and mensured and true vertical	including éstimated date l depths for all markers i	of starting any and somes perti-

ILLEGIBLE

JAN1 4 1991
OIL CON. DIV.
DIST. 3

SEE ATTACHED

8 I hereby centily that the foregoing is true and correct	title Operations Manager	
(This space for Federal or State office tise)		ACCEPTED FOR RECORD
APPROVED BY	TITLb	DATH
CONDITIONS OF APPROVAL, IF ANY:	NMOCD	JAN 09 1991
* \$	eë Instructions on Reverse Side	FARMINGTON RESOURCE AREA

McKENZIË METHANE CORPORATION DAILY DRILLING REPORT Durango Office

Hughes 33 M #3
SW 4/Sec33-T29N-R8W, San Juan Co., NM
AART: Waiting on drilling rig.
DAILY: MIRU spud unit. Spud 12-1/4" hole 10:00 A.M.
11-15-90. Drill to 12'. TOOH. RDSU.

11-18-90 Hughes 33 M #3
SW 4/Sec33-T29N-R8W, San Juan Co., NM
AART: Running 8-5/8" csg DEPTH: 247'
DAILY: MIRU 4 States Drilling. Drill to 247'. Run
5 jts (223') 8-5/8", 24#, K55 STC csg set @ 235'.
MUD: spud Surveys: 247' - 3/4.

11-19-90

Hughes 33M #3

SW 4/Sec33-T29N-R8W, San Juan Co., NM

AART: TFB #3

DEPTH: 1097'

DATLY: Cmt 8-5/8" csg w/ 200 sx (236 cu ft)

Class B, 2% CaCl, 1/4#/sx cellophane. Circ 10 bbl cmt

(56 cu ft) to surf. PD @ 7:30 A.M. 11-18-90. WOC.

NUBOP. Drill out @ 9:00 P.M. w/2-7/8" bit.

MUD: Benex & water. Surveys: 731' - 1/2.

11-20-90 Hughes 33M #3
SW 4/Sec33/T29N-R8W, San Juan Co., NM
AART: Stuck DEPTH: 1895'
DAILY: TIH. Drill to 1895'. Stuck @ 12:45 A.M.
MUD: N/A Surveys: N/A

Hughes 33M #3
SW 4/Sec33-T29N-R8W, San Juan Co., NM
AART: Drlg DEPTH: 2440'
DAILY: Work pipe free @ 12:45 P.M. Drill to 2440'.
MW: 9.0 Vis: 33 Surveys: 2040' - 1.

McKENZIE METHANE CORPORATION DAILY DRILLING REPORT Durango Office

11-22-90 Hughes 33M #3
SW 4/Sec33-T29N-R8W, San Juan Co., NM
AART: Attempting to log. DEPIH: 2910'
DAILY: Drill to 2910' @ 7:30 P.M. 11-21. Attempt
to log. Bridge @ 960'. RIH to +/- 1100 & attempt
to log. Bridge /fill @ 2830'. RIH to 2910'.
MW: 9.0 Vis: 40 Surveys: 2550' - 2-1/4,
2910' - 1-1/2.

11-23-90 Hughes 33M #3
SW 4/Sec33-T29N-R8W, San Juan Co., NM
AART: Rig released @ 11:00 P.M. 11-22-90.
DEPTH: 2910'
DAILY: Complete trip & circ 1-1/2 hrs. Log w/
Atlas. TIH & Circ, LDDP/ . R&C 68 jts.(2898'),
4-1/2", 11.6#, K55 LTC csg set @ 2910' w/ top
FC @ 2865'. Cmt w/ 450 sx (828 cu ft), 65/35 POZ,
+ 1/4#/sx cellophane, followed by 150 sx (181 cu ft)
50/50 POZ + 1/4#/sx cellophane. PD @ 10:30 P.M. 11-22.
Circ 20 bbl cmt to surf.NDBOP. Set slips, & cut off
csg. Rig released @ 11:00 P.M. 11-21-90.
MW: N/A Surveys: N/A

Form 3160-3	
(November 1983)	
(formerly 9-331C)	

SUBMIT IN TRIPLICATE.

Form approved.
Budget Bureau No. 1004-0136

(formerly 9-331C)		TED STATE			rse side)	Expires August 31, 1985
	DEPARTMENT	OF THE	NIER	(IUR_30-043	-28413	5. LEASE DESIGNATION AND SERIAL NO.
CONSERVE ANDI	VISIONBUREAU OF	LAND MANA	SEMEN	ME (VIII)		SF-078049
APPLICATION	FOR PERMIT	TO DRILL,	DEEPE	N, OR PLUC	BACK	6. IF INDIAN, ALLOTTES OR TRISE NAME
IA. TYPE OF WORK	LL3X	DEEPEN		7 M REUG	BACK 🗆	7. UNIT AGREEMENT NAME
NOU 21 AIPRO	r-0 0					
OIL GAME OF OPERATOR	LL X OTHECO	albed Met	h . 20	UN HE H HE KILL	KIE	8. FARM OR LEASE HAMB
	hane Corpora	•	; 11,101		:	Hughes 33 M
ADDRESS OF OPERATOR	mane corpora	CION			· · · · · · · · · · · · · · · · · · ·	#3
1911 Main A	Ave., #255, D	urango, C	olor	ado 81301	· · · · · · · · · · · · · · · · · · ·	10. FIELD AND POOL, OR WILDCAT
At suriace	FSL, 1050		LA ANY IS	tate requirements.		Basin Fruitland
At proposed prod. sone	•	LMD				AND SURVEY OR AREA
	Same					\$ec33-T29N-R8W
4. DISTANCE IN MILES A			T OFFICE	•		12. COUNTY OR PARISH 18. STATS
D. DISTANCE FROM PROPUL	of Blanco,	NM	16. NO	. OF ACRES IN LEAS:		San Juan NM
LOCATION TO WEAREST PROPERTY OR LEASE LE	NB, FT.				TO TE	HIS WELL
S. DISTANCE FROM PROPO TO NEAREST WELL, DE	unit line, if any) 1 () 5	<u>.u.</u>	19. PR	920 OPOSED DEPTH	74 320 26. ROTAL	Y OR CABLE TOOLS
OR APPLIED FOR, ON THIS	250 LEASE, FT.) †	2	2910	Rot	ary
i. Elevations (Show whet This action is subject					*	22. APPROX. DATE WORK WILL START*
procedural review pu	revent to 43 CFR 311 to 43 CFR 3105.4.		22 GR		DRILLING	10-31-90 OPERATIONS AUTHORIZED ARE
·-·					- JUBJECI-	10 COMPLIANCE WILL ATTENDING
12-1/4	8-5/8	WEIGHT PER F		250	"GENERA	REQUIREMENTS CU ft)
7-7/8	4-1/2	10.5		2910		525 sx (872 cu ft)
NOTE: WELL	NAME CHANGED		Ton Toler			VOVI 3 1990.
ABOVE SPACE DESCRIBE one. If proposal is to di eventer program, if any. SIGNED	rill or deepen directions	proposal is to deep lly, give pertinent	: data o: 	us back, give data on subsurface location	Manager	and the formal depths. Give blowout
PERMIT NO.			<u> </u>	ÁPPŘOVAL DÁTŘ:		Misse
APPROVED BY			le.	-		PATE (1970) & 1999
CONDITIONS OF APPROVAL	L, IF ANY:					- Total Celle
n.P	•		MOC	CD		I AREA MANAGED

*See Instructions On Reverse Side

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

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-89

EH 8: 59

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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

DISTRICT J P.O. Box 1980, Hobbs, NM 88240

WELL LOCATION AND ACREAGE DEDICATION PLAT

1000 Rio Brazos Rd., Aztec, NM 87410 r madicion her mexico All Distances must be from the outer boundaries of the section Wall No. McKenzie Methane Corporation Hughes 33 M Unit Letter Section Township County 29 North 8 West San Juan **NMPM** Actual Footage Location of Well: 1070 1050 South West feet from the line and feet from the line Ground level Elev. Producine Formation Dedicated Acreage: W/2 320 Acres 6322 FluitLAND COOL Basin 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, outlist 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 interest of all owners been consolidated by communitization, unitization, force-pooling, etc.? Yes If answer is "yea" type of consolidation If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse kide of this form if neccessary. No allowable will be assigned to the well until all intérests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such intérest, hás been approvéd by the Division. **OPERATOR CERTIFICATION** I hereby certify that the information ained herein in true and complete to the best of my browledge and belief. Position OP. MER Company Mckenzie Mothere Deté 10-15-90 033 Section SURVEYOR 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 supervison, and that the same is true and correct to the best of my knowledge and belief. NOV1 3 1990 Date Surveyed October 1, 1990 OIL COM. DIV. Signature & Seal of 1050' DIST. 3 Signature at Seat of Professional Surveyed Asset Control of the Prof (O Edgar 🗒 1000 500 1500 330 660 990 1320 1650 1900 2310 2000