PETROLEUM PLAZA BUILDING
P. O. BOX 168
FARMINGTON, NEW MEXICO 87499
(505) 326-2659

February 7, 1989

P-R-O Management Glen Lakes Tower 1313 Box 158 Dallas, Texas 75231



RE: Administrative Approval of an Unorthodox Location, Unorthodox Provation Unit, and Downhole Commingling of the Fruitland Coal

and Pictured Cliffs Formations

Ruby #1

790' FNL & 1790' FWL Section 34, T26N, R12W San Juan County, NM

Gentlemen:

Robert L. Bayless has applied to the New Mexico Oil Conservation Division for administrative approval of an unorthodox location, unorthodox proration unit, and downhole commingling of the Fruitland Coal and Pictured Cliffs formations in the Ruby #1 well located in the NW/4 of Section 34, T26N, R12W, San Juan County, New Mexico. A copy of this application has been enclosed for your information.

Bayless has determined that you are an operator of offset acreage that could possibly by affected by the granting of this application by the NMOCD. We request your support and approval of this application. Please indicate this by signing and dating this letter and mailing one copy to NMOCD and one copy to our office in the envelopes provided. The original may be retained for your files.

Sincerely,

Kevin H. McCord Petroleum Engineer

Enclosures

The undersigned has no objection to the above application.

P-R-O Management

By:

2-17-89

Date: _

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE

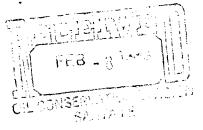
1000 RIO BRAZOS ROAD

AZTEC, NEW MEXICO 87410 (505) 334-6178 OIL CONSERVATION DIVISION BOX 2088 SANTA FE. NEW MEXICO 87501 DATE 3-28-89 RE: Proposed MC -Proposed DNC -X MAR 3 | 1989 Proposed NSL Proposed SWD Proposed WFX Proposed PMX N5A-X Gentlemen: I have examined the application dated C-34-26N-12W Unit, S-T-R and my recommendations are as follows: Yours truly,

PETROLEUM PLAZA BUILDING
P. O. BOX 168
FARMINGTON, NEW MEXICO 87499
(505) 326-2659

February 7, 1989

Mr. William J. LeMay NM Oil Conservation Division 310 Old Santa Fe Trail, Room 206 Santa Fe. New Mexico 87503



RE: Ruby #1
790' FNL & 1790' FWL
Section 34, T26N, R12W
San Juan County, NM

Dear Mr. LeMay:

This shall serve as a follow-up letter to our request of December 30, 1988, for administrative approval of an unorthodox location, unorthodox proration unit, and downhole commingling of the Fruitland Coal and Pictured Cliffs formations for the above reference well Mr. David Catanach has requested further information from us on this matter in his letter of January 19, 1989.

The Ruby #1 meets the conditions of downhole commingling rule 303 (C)(1)(b) as follows:

- (1) The downhole commingling of the Fruitland Coal and Pictured Cliffs formations in this well is necessary to produce the Pictured Cliffs zone that otherwise would not be economically producible. Before the Ruby #1 was re-perforated in the Fruitland Coal, the Pictured Cliffs zone in this well was capable of making approximately 1 MCFGPD which was uneconomical. After the Fruitland Coal interval was perforated in March of 1988, the well is now capable of producing approximately 7 MCFGPD. We would propose to allocate production to each of these zones in this same proportion, i.e. 14% to the Pictured Cliffs formation and 86% to the Fruitland Coal formation.
- (2) There should not be any crossflow between the commingled zones. A surface shut-in pressure of 50 psi was recorded on 3/21/88 with only the Pictured Cliffs zone open. After the Fruitland Coal was perforated, the shut-in pressure recorded on this well was 75 psi on 3/22/88. The downhole pressures are similar for these zones and crossflow should not occur.
- (3) The Pictured Cliffs zone in this well is not a fluid-sensitive sand. Cement was circulated from TD to the surface when casing was run on this well. All non-producing formations encountered in this well are isolated from the wellbore by cement. It should be noted that this well makes very little water (less than 1/4 BWPD) from both the Fruitland Coal and the Pictured Cliffs formation. This small amount of water should not hurt any producing formation.

of 638.89

- (4) The fluids from each zone in this well are compatible with each other. As stated in (3), the volume of water produced by this well is too small to cause any damage to either formation. In this area, there is little difference between Fruitland Coal gas and Pictured Cliffs gas. Therefore, gases should not cause damage to either formation. The information indicating the similarity of Fruitland Coal gas and Pictured Cliffs formation gas was presented as testimony in NMOCD Case No. 9420, the basis for Order No. R-8768.
- (5) The Ruby #1 has common working interest, royalty interest, and overriding royalty interest in both the Fruitland Coal and the Pictured Cliffs formations, for the existing 160 acre proration unit.
- (6) As stated in (2) above, the bottomhole pressures in the Fruitland Coal and Pictured Cliffs formations in this well are very similar. the bottomhole pressure of the lower pressure zone (Pictured Cliffs approximately 50 psi) is not less than 50 percent of the bottomhole pressure of the higher pressure zone (Fruitland Coal approximately 75 psi).

We have attached to this letter an offset lease ownership plat and proof of notification to all offset operators of the Ruby #1 well. It is important to note that the rework (re-perforating) performed on this well in March of 1988 was in full compliance with the rules and regulations of the WAW-Fruitland Pictured Cliffs Pool rules at that time. The rule changes brought about by Division Order No. R-8768 affect this well, but should not create an administrative burden on marginally economic wells such as this.

We trust that you now have sufficient information to process this application. Your prompt attention to this matter would be appreciated.

Sincerely,

Kevin H. McCord Petroleum Engineer

KHM/lmo

Enclosures

-1	* **	GA		IGOS			1501	7/34	
45	NM0560222	★ #N NM:2027	(100	ate	SF 08	10384	NM 33015	N00-5 3635	Ŀ
	*10	3J 13005895	\$ 5	÷10		⊕ ^L 5:53		•	
-	NM 10246	1240 1260 NM:2028	N M 1	2028	U \$	N M 12028	1	3 NOO-C-3626	6
	*2	*	# T # 1:R	26 N	1 R • 19-R 1	2# _{pc} V	30 1395 13 13 1410		
	N MO	560223	NMO5	558240	NOO-C-5339	NM622	NM 55	.113	N.
	*** *** *** *** *** *** *** *** *** *** *** *** ** *** *** *** *** *** *** *** *** *** *** *** *** ** *** *** *** *** *** *** *** *** *** *** *** *** ** *** *** *** *** *** *** *** *** *** *** *** *** ** *** *** *** *** *** *** *** *** *** *** *** *** ** *** *** *** *** *** *** *** *** *** *** *** *** ** *** *** *** *** *** *** *** *** *** *** *** *** ** *** *** *** *** *** *	# ³ EXACO	*	ALEXANDER ENERGY	# Ducan	MCHUGH 20R#		GAN 0558240	
1	,	29	DUGAN 2	28 NOO-C-8376	N00-C-5340	7 SRM-1531 PC	2	055824C 2 6	1
2	本 13	集 ¹⁴ 来 ⁽⁵	2 **	2 * _{PC} ALEXANDER	5RM-1299 NM05572964	35 NM 26354 127	OPEN *3	CELSIUS ENERGY	
!		李15	MM 17018	ENERGY NOO-C-8377	*DUGAN NY 26354	MCHULH 1380	N00-C	\$1400 US	
-		SCR-139 PC	i			II MI JJJICZU			
1	*	CHEVRON .	DUGAN	· *	#\ But 5:-	* 1	# ³	* ⁴	
	1	NM 5;	事 ¹ NM:0557296-A	BAYLESS INEZ NOOC-7469	BAYLESS. RUBY NOO-C-7470	3 4		35	
,	以 出 出	IXON X2	CHEVRON \$			⇒² *		,5	
2	20 S+a	TXON ZZ	★ 'sı	# ² Dugan		UGAN	7	UGAN #²	25
	4		NOO C 7464	NM0557296-A	*	7	1.1	M 6 i	-
Э 6	F 39	NOO-C - 8455	P-R-O MANAGEMENT	HIXON \$\pi_1	*3 Du	- #2-	*	* ²	
Э	<u>•</u> 54 79 <u>•</u> SF 078056	⊕53 603-1448	* NOO-C-5369	IR事		±**		2	
15	1	087 **2 8 4	Olo Sta	HIXW #	HIXON 13	*	1	4 # # 2 PC	
7	56 93 ₀ ⊚wi 603-1292	57 503-323	70 9 74 ⊚ 9 74 603-321	58 603-1424	_更 59★ PC 603-1423	NM25443 5016	# _{S1}	á±€	
.7	0 92	<u>●</u> 88 ©,	, i6 <u>, 1</u> 5	<u></u> 14 13					Γ
Α		TI LÖ	WER (GALLUF	#U N.1	\$21 ± 202 91 ± PC			ĺ
5	63 WI SF 0780	056 G	62 05 22 WI N M 03	36254 A	60 \$\frac{1}{24} 603-1449	♦ 32	206,0205		
3	₽ ³² Ø _w	30 29	28 ,27	72 26	PIT		\$ ¹³ \$ ²³	33	*
	0 ⁹¹ 17 603-324	73 34 € 1 3 603-325 ♥	65 35 603-326	28 017 2 60 3 -©12287	37 ZA MM - 0- 70322A NM	34 44 M070322	44070 \$24 4070 \$4925 \$F	34 44 078067 5035	‡
•	43 .	94	.41 ±4	40	ew⊚	1		1:	

PETROLEUM PLAZA BUILDING P. O. BOX 168 FARMINGTON, NEW MEXICO 87499 (505) 326-2659

february 7, 1989

Alexander Energy 501 NW Expressway, Suite 600 Oklahoma City, Oklahoma 73118

> ŘE: Administrative Approval of an Unorthodox Location, Unorthodox Proration Unit, and Downhole Commingling of the Fruitland Coal and Pictured Cliffs Formations

Ruby #1 790' FNL & 1790' FWL Section 34, T26N, R12W San Juan County, NM

Gentlemen:

Robert L. Bayless has applied to the New Mexico Oil Conservation Division for administrative approval of an unorthodox location, unorthodox proration unit, and downhole commingling of the Fruitland Coal and Pictured Cliffs formations in the Ruby #1 well located in the NW/4 of Section 34, T26N, R12W, San Juan County, New Mexico. A copy of this application has been enclosed for your information.

Bayless has determined that you are an operator of offset acreage that could possibly by affected by the granting of this application by the NMOCD. We request your support and approval of this application. Please indicate this by signing and dating this letter and mailing one copy to NMOCD and one copy to our office in the envelopes provided. original may be retained for your files.

Sincerely,
Kin A. M. Goul Kevin H. McCord
Kevin H. McCord
Petroleum Engineer

Enclosures

The undersigned has no objection to the above application.

ALEXANDER ENERGY

Ву:	
Date:	

PETROLEUM PLAZA BUILDING
P. O. BOX 168
FARMINGTON, NEW MEXICO 87499
(505) 326-2659

February 7, 1989

Celsius Energy Company P.O. Box 11070 Salt Lake City, Utah 84147

RE: Administrative Approval of an Unorthodox Location, Unorthodox Proration Unit, and Downhole Commingling of the Fruitland Coal and Pictured Cliffs Formations

Ruby #1

790' FNL & 1790' FWL Section 34, T26N, R12W San Juan County, NM

Gentlemen:

Robert L. Bayless has applied to the New Mexico Oil Conservation Division for administrative approval of an unorthodox location, unorthodox proration unit, and downhole commingling of the Fruitland Coal and Pictured Cliffs formations in the Ruby #1 well located in the NW/4 of Section 34, T26N, R12W, San Juan County, New Mexico. A copy of this application has been enclosed for your information.

Bayless has determined that you are an operator of offset acreage that could possibly by affected by the granting of this application by the NMOCD. We request your support and approval of this application. Please indicate this by signing and dating this letter and mailing one copy to NMOCD and one copy to our office in the envelopes provided. The original may be retained for your files.

Sincerely, Www. H. M. Moul Kevin H. McCord Petroleum Engineer

Enclosures

The undersigned has no objection to the above application.

CELSIUS ENERGY COMPANY

Ву:		<u>, "</u> , "	
Date:	 		

PETROLEUM PLAZA BUILDING
P. O. BOX 168
FARMINGTON, NEW MEXICO 87499
(505) 326-2659

February 7, 1989

Chevron U.S.A. Inc. 60001 Bollinger Canyon Rd. San Ramon, California 94583

RE: Administrative Approval of an Unorthodox Location, Unorthodox Proration Unit, and Downhole

Commingling of the Fruitland Co (1 and Pictured Cliffs Formations

Ruby #1

790' FNL & 1790' FWL Section 34, T26N, R12W San Juan County, NM

Gentlemen:

Robert L. Bayless has applied to the New Mexico Oil Conservation Division for administrative approval of an unorthodox location, unorthodox proration unit, and downhole commingling of the Fruitland Coal and Pictured Cliffs formations in the Ruby #1 well located in the NW/4 of Section 34, T26N, R12W, San Juan County, New Mexico. A copy of this application has been enclosed for your information.

Bayless has determined that you are an operator of offset acreage that could possibly by affected by the granting of this application by the NMOCD. We request your support and approval of this application. Please indicate this by signing and dating this letter and mailing one copy to NMOCD and one copy to our office in the envelopes provided. The original may be retained for your files.

Sincerely,

Won H. McCord

Retroleum Engineer

Enclosures

The undersigned has no objection to the above application.

CHEVRON U.S.A. INC.

By:	
Date:	

PETROLEUM PLAZA BUILDING P. O. BOX 168 FARMINGTON, NEW MEXICO 87499 (505) 326-2659

February 7, 1989

Dugan Production Corporation P.O. Box 5820 Farmington, New Mexico 87499

> Administrative Approval of an Unorthodox Location, Unorthodox Proration Unit, and Downhole

> > Commingling of the Fruitland Coal and Pictured Cliffs Formations

Ruby #1 790' FNL & 1790' FWL Section 34, T26N, R12W San Juan County, NM

Gentlemen:

Robert L. Bayless has applied to the New Mexico Oil Conservation Division for administrative approval of an unorthodox location, unorthodox proration unit, and downhole commingling of the Fruitland Coal and Pictured Cliffs formations in the Ruby #1 well located in the NW/4 of Section 34, T26N, R12W, San Juan County, New Mexico. A copy of this application has been enclosed for your information.

Bayless has determined that you are an operator of offset acreage that could possibly by affected by the granting of this application by the NMOCD. We request your support and approval of this application. Please indicate this by signing and dating this letter and mailing one copy to NMOCD and one copy to our office in the envelopes provided. The original may be retained for your files.

Sincerely, Kevin H. McCord Petroleum Engineer

Enclosures

The undersigned has no objection to the above application.

DUGAN PRODUCTION CORPORATION

By:			·	
Date	:	_		

PETROLEUM PLAZA BUILDING P. O. BOX 168 FARMINGTON, NEW MEXICO 87499 (505) 326-2659

February 7, 1989

Hixon Development Co. P.O. Box 2810 Farmington, New Mexico 87401

> Administrative Approval of an RE: Unorthodox Location, Unorthodox Proration Unit, and Downhole Commingling of the Fruitland Coal and Pictured Cliffs Formations Ruby #1 790' FNL & 1790' FWL Section 34, T26N, R12W

San Juan County, NM

Gentlemen:

Robert L. Bayless has applied to the New Mexico Oil Conservation Division for administrative approval of an unorthodox location, unorthodox proration unit, and downhole commingling of the Fruitland Coal and Pictured Cliffs formations in the Ruby #1 well located in the NW/4 of Section 34, T26N, R12W, San Juan County, New Mexico. A copy of this application has been enclosed for your information.

Bayless has determined that you are an operator of offset acreage that could possibly by affected by the granting of this application by the NMOCD. We request your support and approval of this application. Please indicate this by signing and dating this letter and mailing one copy to NMOCD and one copy to our office in the envelopes provided. The original may be retained for your files.

Sincerely,	
llim H. M. Wond Kevin H. McCord	•
Petroleum Engineer	,

Enclosures

The undersigned has no objection to the above application.

HIXON DEVELOPMENT COMPANY

Ву: _	
	X.
Date:	

PETROLEUM PLAZA BUILDING
P. O. BOX 168
FARMINGTON, NEW MEXICO 87499
(505) 326-2659

february 7, 1989

Jerome McHugh 650 S. Cherry St., Suite 1225 Denver, Colorado 80222

RE: Administrative Approval of an Unorthodox Location. Unorthodox Provation Unit. and Downhole Commingling of the Fruitland Contant Pictured Cliffs Formations

Ruby #1

790' FNL & 1790' FWL Section 34, T26N, R12W San Juan County, NM

Gentlemen:

Robert L. Bayless has applied to the New Mexico Oil Conservation Division for administrative approval of an unorthodox location, unorthodox proration unit, and downhole commingling of the Fruitland Coal and Pictured Cliffs remations in the Ruby #1 well located in the NW/4 of Reaction 34, T26H, R12W, Ban Juan County, New Mexico. A copy of this application has been enclosed for your information.

Bayless has determined that you are an operator of offset acreage that could possibly by affected by the granting of this application by the NMOCD. We request your support and approval of this application. Please indicate this by signing and dating this letter and mailing one copy to NMOCD and one copy to our office in the envelopes provided. The original may be retained for your files.

Sincerely,

Levin H. McCord

Petroleum Engineer

Enclosures

The undersigned has no objection to the above application.

Jerome McHuch

Ву: _	
Date:	

PETROLEUM PLAZA BUILDING
P. O. BOX 168
FARMINGTON, NEW MEXICO 87499
(505) 326-2659

February 7, 1989

P-R-O Management Glen Lakes Tower 1313 Box 158 Dallas, Texas 75231

RE: Administrative Approval of an Unorthodox Location, Unorthodox Proration Unit, and Downhole Commingling of the Fruitland Coal and Pictured Cliffs Formations

Ruby #1

790' FNL & 1790' FWL Section 34, T26N, R12W San Juan County, NM

Gentlemen:

Robert L. Bayless has applied to the New Mexico Oil Conservation Division for administrative approval of an unorthodox location, unorthodox proration unit, and downhole commingling of the Fruitland Coal and Pictured Cliffs formations in the Ruby #1 well located in the NW/4 of Section 34, T26N, R12W, San Juan County, New Mexico. A copy of this application has been enclosed for your information.

Bayless has determined that you are an operator of offset acreage that could possibly by affected by the granting of this application by the NMOCD. We request your support and approval of this application. Please indicate this by signing and dating this letter and mailing one copy to NMOCD and one copy to our office in the envelopes provided. The original may be retained for your files.

Sincerely,	Л
levin H. M. Go Kevin H. McCord	ul
Petroleum Engine	eer

Enclosures

The undersigned has no objection to the above application.

P-R-O Management

Ву: _	
Date:	

PETROLEUM PLAZA BUILDING
P. O. BOX 168
FARMINGTON, NEW MEXICO 87499
(505) 326-2659

February 7, 1989

Texaco P.O. Box EE Cortez, Colorado 81321

RE: Administrative Approval of an Unorthodox Location, Unorthodox Proration Unit, and Downhole Commingling of the Fruitland Coal and Pictured Cliffs Formations Ruby #1

790' FNL & 1790' FWL Section 34, T26N, R12W San Juan County, NM

Gentlemen:

Robert L. Bayless has applied to the New Mexico Oil Conservation Division for administrative approval of an unorthodox location, unorthodox proration unit, and downhole commingling of the Fruitland Coal and Pictured Cliffs formations in the Ruby #1 well located in the NW/4 of Section 34, T26N, R12W, San Juan County, New Mexico. A copy of this application has been enclosed for your information.

Bayless has determined that you are an operator of offset acreage that could possibly by affected by the granting of this application by the NMOCD. We request your support and approval of this application. Please indicate this by signing and dating this letter and mailing one copy to NMOCD and one copy to our office in the envelopes provided. The original may be retained for your files.

TEXACO

Sincerely,

Wind Molow

Kevin H. McCord

Petroleum Engineer

Enclosures

The undersigned has no objection to the above application.

Зу:

Date: ____

Georgian ryaldean Red MAL

Alexander Energy

501 NW Expressway, Ste.600

Oklahoma City, OK 73118

.65

.85

Celsius Energy Co.

P.O. Box 11070

Salt Lake City, UT 84147

.65

.85

2.40

2/7/89

LMO

.90 2.40 2/7/89 LMO

P 294 981 917

RECEIPT FOR CERTIFIED MAIL

Chevron U.S.A., Inc. 60001 Bollinger Canyon Rd. يور ۾ هن جي پيون San Ramon, CA 94583 .65 بعدة وسنعمر .85 State of the way from هياء والمراز والماد والماد ert i meller i tilty**w**ing I win meller i eta Osamerest .90 Her an eigen at India ng taliwhilm ataliana Addres sat Designy 1974 Politera entitles 2.40 FORE 1110 F 2/7/89 LMO

HAM DESIGNATION OF TRIBOSES

جهد عهد عجري Dugan Production Corp. P.O. Box 5820 The south of the States Farmington, NM 87499 .65 Suffer Car .85 Poets a cheese yith se-And the said of the said Figure Section was a first of the Section And the Angle of t <u>.90</u> $\mathcal{L}^{2}(X_{1})$ by $\mathcal{L}^{2}(X_{2})$ and $\mathcal{L}^{2}(X_{2})$ 2.40 and the second 2/7/89 LMO

. P 294 ዓልጌ ዓኔሪ

RECEIPT FOR CERTIFIED MAIL

		nt Co.
x 281	.0	
ton,	NM	87499
		.65
	***	85
	_,	
		.90
$\mathbb{A}_{\mathbb{R}^{n+1}(\mathbb{R}^n)}$	*	
1 /		2.40
		x 2810

P 294 981 913

RECEIPT FOR CERTIFIED MAIL

THE CONTROL OF THE CO

Denver, CO 80222	F
	65
* .	85
A Company of the Comp	
The second of th	90
ar pro May vast in triwing the Minimis and light Matheway of Leadington	1
The April 1919 and Fug. 1	

P 294 581 914 RECEIPT FOR CERTIFIED MAIL

na halifavira divassas ir in liet von tus intarnati ina ina l See **Rev**erse

	OE9 10V T 3F	
* U.S.G.P.O. 1985-480-794	P-R-O Management	
985-4	Street and No Box 158	
P.O.	Plane and DP Code Dallas, TX 7523	1
U.S.G	ang nga	.65
*	Caritien Fee	.85
	Special Delivery Fee	
	Pestricted Delivery Fee	
n	Return Receipt showing to whom and Cate Delivered	.90
861 0	ਜ਼ੇਦਾਰਨ ਜ਼ਿਕਦਾਰt showing to whom Date, and Address of Delivery	
לבים .	TOTAL Postage and Fees	2.40
280	⊇ istmack or Date	
PS Form 3800, June 1985	2/7/89	LMO
S		

P 294 981 915

RECEIPT FOR CERTIFIED MAIL

no nelawoo oleekase Repliced kut Roal masawat inali wali See Reverses

65
85
90
40
(0

PETROLEUM PLAZA BUILDING
P. O. BOX 168
FARMINGTON, NEW MEXICO 87499
(505) 326-2659

February 7, 1989

Dugan Production Corporation P.O. Box 5820 Farmington, New Mexico 87499



RE:

Administrative Approval of an Unorthodox Location, Unorthodox Froration Unit, and Downhole Commingling of the Fruitland Coal and Pictured Cliffs Formations Ruby #1 790' FNL & 1790' FWL Section 34, T26N, R12W San Juan County, NM

Gentlemen:

Robert L. Bayless has applied to the New Mexico Oil Conservation Division for administrative approval of an unorthodox location, unorthodox proration unit, and downhole commingling of the Fruitland Coal and Pictured Cliffs formations in the Ruby #1 well located in the NW/4 of Section 34, T26N, R12W, San Juan County, New Mexico. A copy of this application has been enclosed for your information.

Bayless has determined that you are an operator of offset acreage that could possibly by affected by the granting of this application by the NMOCD. We request your support and approval of this application. Please indicate this by signing and dating this letter and mailing one copy to NMOCD and one copy to our office in the envelopes provided. The original may be retained for your files.

Sincerely, Win H. M. Moul Kevin H. McCord Petroleum Engineer

Enclosures

The undersigned has no objection to the above application.

DUGAN PRODUCTION CORPORATION

Rv:

Date:

2-8-89

PETROLEUM PLAZA BUILDING
P. O. BOX 168
FARMINGTON, NEW MEXICO 87489
(505) 326-2659



February 7, 1989

Hixon Development Co. P.O. Box 2810 Farmington, New Mexico 87401

RE: Administrative Approval of an Unorthodox Location, Unorthodox Proration Unit, and Downhole Commingling of the Fruitland Coal and Pictured Cliffs Formations

Ruby #1 790' FNL & 1790' FWL Section 34, T26N, R12W San Juan County, NM

Gentlemen:

Robert L. Bayless has applied to the New Mexico Oil Conservation Division for administrative approval of an unorthodox location, unorthodox proration unit, and downhole commingling of the Fruitland Coal and Pictured Cliffs formations in the Ruby #1 well located in the NW/4 of Section 34, T26N, R12W, San Juan County, New Mexico. A copy of this application has been enclosed for your information.

Bayless has determined that you are an operator of offset acreage that could possibly by affected by the granting of this application by the NMOCD. We request your support and approval of this application. Please indicate this by signing and dating this letter and mailing one copy to NMOCD and one copy to our office in the envelopes provided. The original may be retained for your files.

By:

Sincerely,

Kevin H. McCord

Petroleum Engineer

Enclosures

The undersigned has no objection to the above application.

HIXON DEVELOPMENT COMPANY

Aldrich L. Kuchera

President

Date: February 8, 1989

STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

January 19, 1989

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87504 (505) 827-5800

Robert L. Bayless P.O. Box 168 Farmington, New Mexico 87499

Attention: Kevin H. McCord

Dear Mr. McCord:

Reference is made to your application dated December 30, 1988 for approval of a non-standard well location, non-standard proration unit, and downhole commingling on your Ruby Well No. 1, located in Section 34, Township 26 North, Range 12 West, NMPM, San Juan County, New Mexico. Please by advised that additional information is needed to process your application. As per the terms of Rule (13) contained in Division Order No. R-8768, downhole commingling may be approved provided that the information required by Rule 303 (C)(1)(b) of the Division Rules and Regulations is filed. I am enclosing a copy of Rule 303 (C)(1)(b) for your information.

Also please by advised that in order to process your application for a non-standard proration unit, we request that you send an offset lease ownership plat, and proof of notification to all such offset operators as required by Rule (6), also contained in said Order No. R-8768.

If you have any questions, please contact Mr. David Catanach or Mr. Mike Stogner at (505) 827-5800.

Sincerely,

David Catanach

xc: M. Stogner

PETROLEUM PLAZA BUILDING
P. O. BOX 168
FARMINGTON, NEW MEXICO 87499
(505) 326-2659

December 30, 1988

Mr. William J. LeMay NM Oil Conservation Division P.O. Box 2088 Santa Fe, New Mexico 87501

RE: Ruby #1

790' FNL & 1790' FWL Section 34, T26N, R12W San Juan County, New Mexico

Dear Mr. LeMay:

We hereby request administrative approval of an unorthodox location, unorthodox proration unit, and downhole commingling of the Fruitland Coal and the Pictured Cliffs formations for the above-referenced well. These changes are necessitated by Order No. R-8768 regarding the Basin-Fruitland Coal Gas Pool. Enclosed please find an updated C-102 and C-104 for your approval.

If you need any further information in this regard, please advise.

Yours truly.

Kevin H. McCord Petroleum Engineer

KHM/lmo

Enclosures

cc: NMOCD - Aztec w/encls.

· STATE OF NEW MEXICO LILENGY AND MINERALS DEFARIMENT

P. O. BOX 2008 SANTA FE, NEW MEXICO 87501

Form C-107 Revised 10-1-78

•		All distances must be	from the Co	uter houndaries	of the Section.		
Operator			LedBe	•			Well No.
ROBERT	L. BAYLESS		RU	3Å			1
Unit Letter	Section	Township	1	Rænge	County		
C	34	25N	1	12W	jan j	uan	
Actual Footage Loc							
720	feet from the	orth line	ond 17	90	feet from the	West	line
Ground Level Elev.	Producing Fo		Pool			0	edicated Acreage:
6173	Fruit	and Coal	E	Basin-Frui	tland Coal	ı İ	160 Acres
	- 						
1. Outline the	e acreage dedica	ited to the subjec	t well by	colored bene	cil of hachure	marks on the	plat below.
	an one lease is id royalty).	dedicated to the	well, out	line_each and	l identify the	ownership the	reof (both as to working
		lifferent ownership unitization, force-p			ell, have the	interests of a	ll owners been consoli-
Yes	☐ No If a	nswer is "yes;" ty	pe of con	solidation			
	is "no." list the	owners and tract of	descriptio	ns which hav	ve actually be	en consolidate	d. (Use reverse side of
	•	ed to the well unti	l all inter	ests have he	en consolidar	ed (by commu	mitization, unitization,
							pproved by the Commis-
sion.	5,	, v. untit a 11011-3161	namia fill	., ormanarıng	, wach interest	o, nes ucen a	hhrosed by ms Commis-
				1			CERTIFICATION
	- 1			ļ	į.		
	i sl						sife about the information and
	. ~			t	Į	1	rify that the information con-
1790'			•	t .	- 1	1	n is true and complete to the
				i	1	best of my k	nowledge and belief.
	1			1 .	1	llevi	al Myor
				ŀ	j	Name	11.4. 1.0 00-07
	+			-		1	H. McCord
	i			1	1	Position	
	1			ĺ)	Petrol	leum Engineer
	1			i		Сотролу	TOUR SHEETHOOL
	i			i,		1	· I Paulaga
	ĺ			1	1	Date	L. Bayless
Section Transport				ł			/20/00
				i			2/30/88
- Committee and a state of the	andrough and an expension of the property					1	!
1	1	34	1	i i	Ī	1	
1)4	•	i	4	I hereby ce	rtify that the well-location
1	!			l l	1	1	s plat was plotted from field
	i			1	ļ	notes of act	ual surveys made by me or
1	- ;	ļ		i		under my sup	pervision, and that the same
1	!			i	1	is true and	correct to the best of my
1	į			i		knowledge on	nd belief.
 		+				Į	
Į.	ı			į	1	•	
1	ı	· .		i	1	Date Surpeyed	
I	ŀ			j	1	June 5.	1979
	ł			1	ì		lessional Engineer
1	i .	1		ì	1	and/or Land Su	
1	į			5	1	19:	المنظمة المنطقة
L	i			;	1	secil.	marie 2
						Fred 3.	ACTION A
0 230 660	0 1920 1650 194	0 2310 2640	2000 11	900 1000	900 0	3950	IR. J.

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

		_	_
	1174	L	
0151 410 411) w	Г	
SANTA PE			-
FILE			
U.4.d.4.			
LANG OFFICE			
TRANSPORTER	OIL		
	949		
OPERATOR			
PROBATION OFF			

OIL CONSERVATION DIVISION P 0. BOX 2088 SANTA FE, NEW MEXICO 87501

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

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

AUTHORIZATION TO TRA	NSPORT OIL AND NATURAL GAS
I.	
Robert L. Bayless	
Address	
P.O. Box 168, Farmington, NM 87499_	
Reason(s) for filing (Check proper box)	Other (Please esplain)
New Well Change in Transporter of:	
Recompletion	Ory Gos Change in Pool Name
Change in Ownership Casinghead Gas	Condensate
If change of ownership give name	
and address of previous owner	
II. DESCRIPTION OF WELL AND LEASE	
Lease Name Well No. Pool Name, Including	
	ittland Coal Store. Federal or Fee Allotted NOC-C-14
Location	
Unit Letter C: 790 Feet From The North	Line and 1790 Feet From The West
26 26 26 26 27	12W NMPM, San Juan County
Line of Section 34 Township 26N Range	12W , NMPM, San Juan County
III. DESIGNATION OF TRANSPORTER OF OIL AND NATUR	AL GAS
Name of Authorized Transporter of Oil or Condensate	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Cosinghead Gas or Dry Gas X	Address (Give address to which approved copy of this form is to be sent)
El Paso Natural Gas	P.O. Box 990. Farmington, NM 87499
If well produces oil or liquids, Unit Sec. Twp. Rgs.	is gas actually connected? When
give location of tanks.	ves 6/4/80
If this production is commingled with that from any other lesse or poo	ol, give commungling order number:
NOTE: Complete Parts IV and V on reverse side if necessary.	
	OU CONCEDUATION OF TOTAL
VI. CERTIFICATE OF COMPLIANCE	OIL CONSERVATION DIVISION
I hereby certify that the rules and regulations of the Oil Conservation Division ha	APPROVED
been complied with and that the information given is true and complete to the best	
mv knowledge and belief.	8Y
1 1 10 00	TITLE
	This form is to be filed in compliance with RULE 1164.
wow H. W. Cox	If this is a request for allowable for a newly drilled or despend
Kevin H. McCord (Signature)	well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with AULE 111.
Petroleum Engineer	All sections of this form must be filled out completely for allow-
(Title) 12/30/88	able on new and recompleted wells.
(Date)	Fill out only Sections I, II, and VI for changes of owner, well name or number, or transportes or other such change of condition.
, - 	Separate Forms C-104 must be filed for each soci in multiply
	completed wells.

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

Revised 10-01-78 Format 08-01-63

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

P. CRINDLETHON DATA		1	Southeaste	rn New Mexico				Northwe	stern	New Mexico	
T. Sall Statement Type of Completion T. Strawtol wait Sall Sall Statement St	r.T. Anhyr	I ETTON	DATA	T. Canyon ————		T. Ojo	Alamo _				·
B. Statement Type of Completion T. Atoka T. Pictured Cliffs T. Pend. "D" Genérosses Delle Mires. Reset to Proc. Total Subh House P. S. L. Caville T. 7 Rivers T. Devonian T. Menere T. Madison Fire-Guesov F. R.B., R.T. G.R. etc., "Mere 3) fire-instruction Formation Total Delle Mires Proc. Total Subh House T. Grayburg T. Montoya T. Mancos T. McCracken T. Grayburg T. Montoya T. Mancos T. McCracken T. Glorita T. McKee Base Greenhorn T. Granite T. Glorita T. McKee Base Greenhorn T. Granite T. Paddock T. Ellenbrugging, CASING, AND CEMENTING RECORD T. Blinebryo, E SIZE T. Granitas TUBING SIZE T. MOTISON THE SET TOTAL TOTAL T. Drinkard T. Bone Springs T. Entrada T.	Salt			T Straumou Well Gas Well	7,40	J. Kird	कार्यक्रीसंग्रह	and Despen	Plug	Bock "C"	leg'y.)
T. 7 Rivers T. Devonian T. Menefee T. Madison The Questive F. R.B. R.T. CR. ste. Notice of Formation Tool of Mathicipe Foundation T. Grayburg T. Montoya T. Mancos T. McCracken T. Montoya T. Mancos T. McCracken T. Mancos T. McCracken T. Mancos T. McCracken T. Mancos T. McCracken T. Glorieta T. McKee Base Greenhorn T. Granite T. Paddock T. Ellenbrugsing, Casing, and Cellenbridging Record T. Granite T. Paddock T. Ellenbrugsing, Casing, and Cellenbridging Record T. Granite T. Toline T. Toline T. Toline T. Tolinkard T. Delaware Sand T. Tolinkard T. Tolinkard T. Bone Springs T. Entrada T. T. Drinkard T. Bone Springs T. Entrada T. T. Wingate T. T. Wingate T. Tolinkard T. Tolinkar	B. Salis	ate Typ	e of Complet	ion T. Atoka	<u> </u>	T. Pictu	red Cliff	s		Т. Репф. "D"	
Tendenger of the following forms of the first of the following forms of the following forms of the following forms of the following forms of the following f					To	iti 6116	House _				-
T. Grayburg T. Montoya T. Mancos T. McCracken Fire Sease chandres T. Simpson T. Gallup Oogul Jamay Stady Life T. Glorieta T. McKee Base Greenhorn T. Granite T. Paddock T. Ellenbrughte, CASING, AND CERENHING RECORD T. T. Blinebryou E SIZE T. Grainwash Tubing SIZE T. MONTSQR MASET T. SACKS CEMENT T. Tubb T. Delaware Sand T. Todilto T. Todilto T. Delaware Sand T. Todilto T. Drinkard T. Bone Springs T. Entrada T. T. Wingate T. Wingate T. Wingate T. T. Wingate T. T. Wingate T. T. Chinle T. T. Wingate T. T. Chinle T. Chinle T. Chinle T. Chinle T. T. Chinle T. T. Chinle						T. Men	efee				
Preserve hardres T. Simpson I. Gallup Depth definity in Depth definition T. Granite T. Granite T. Horrise State T. Morrise Record I. T. Granite T. T. Delaware Sand T. T. Morrise Record T. T. T. T. T. T. T. T. Delaware Sand T.	EJer@ussn	OF, RKB	RT. CR. etc.,	Natio Sil Bridgeing Formation							==
T. Glorieta T. McKee Base Greenhorn T. Granite T. Paddock T. Ellenbrugging, Casing, And CelleNating Record T. Blinebryole size T. Granite T. Tubb T. Delaware Sand T. Todito T. Drinkard T. Bone Springs T. Entrada T. Todito T. T. Bone Springs T. Entrada T. Todito T. T. Horisque T. T. Toding											
T. Paddock T. Ellenbrugging, CASING, AND CEMENSING RECORD T. Blinebry, O. E. SIZE T. GASINGS TUBING SIZE T. MOTTS THE SET T. TOUR T. Delaware Sand T. Todito T. Drinkard T. Bone Springs T. Entrada T. Abo T. T. Wingate T. T. Chinle T. Chinle T. T. Chinle T. T. Chinle T. T. Chinle T. Chinle T. T. Chinle T. T. Chinle T. Chinle T. T. Chinle T. T. Chinle T. Chinle T. Chinle T. Chinle T. Chinle T. T. Chinle T. T. Chinle T. Chinle T. Chinle T. Chinle T. Chinle T. T. Chinle T. C							•				=7
T. Blinebrytole Size T. CranWash Turing size T. Mortisch Turing T. Tubb T. Delaware Sand T. Todilto T. Drinkard T. Bone Springs T. Entrada T. Wingate T. Wingate T. Wingate T.									上	I. Granite	
T. Tubb T. Delaware Sand T. Todilto T. T. Drinkard T. Bone Springs T. Entrada T. T. Abo T. T. Wingate T. T. Wingate T. T. Wolfcamp T. T. Chinle T. T. Wolfcamp T. T. T. Chinle T. T. Wolfcamp T. T. T. Chinle T. T. Wolfcamp T. T. T. Chinle T. T. Chinle T. T. Wolfcamp T. T. T. Chinle T. T. Chin		_=								I	
T. Drinkard T. Bone Springs T. Entrada T. T. Wingate T. T. Wingate T. T. Chinle T. T. T. Chinle T. T. T. Chinle T. T. T. Chinle T. T. T. This chille T. T. T. T. This chille T. T. T. T. This chille		PHOLE S	IZE					87			
T. Abo T. T. Wingate T. T. Wolfcamp T. T. Chinle T. T. Perri Data And Request for Allowable (Test must be after repertualities volume of load off and must be equal to or exceed top allowable for this depth of perguinally? hours) Date First New Oil Run To Tanks Date of Test OIL OR GAS ANDS OR ZONES OIL OR GAS											
T. Wolfcamp T. T. Chinle T. T. Thickness Lithology T. T. Thickness Lithology T. T. Thickness Lithology T. T. Thickness Lithology T. T. Thickness T. T. Chinle T. T. Thickness T. T. Chinle T. T. Thickness T. T. Thickness T. T. Chinle T. T. Thickness T. T. Thickness T. T. Thickness T. T. Chinle T. T. Thickness T. T. Th		ard									==
TESTIDATA AND REQUEST FOR ALLOWABLE Tree make he after recording to the depth of permission of load oil and must be equal to or excess top allow TOURS WRITIOUGH C) Tourney of the depth of permission of load oil and must be equal to or excess top allow TOURS WRITIOUGH. Date of Test OIL OR GAS SANDS OR ZONES Control Production Method (Flore, nump., see lift, etc.) Control Con		0.000							‡= ,	<u> </u>	
TOUTISMERIOUGH C) T. able for this depth of Pennius Annual Tourism Date of Test OIL OR GAS SANDS OR ZONES Linding of Thickness Tubing Pressure OIL OR GAS SANDS OR ZONES OIL OR GAS SANDS OR ZONES Touring Method (First, pump, gas lift, etc.) Casting Pressure Casting Pressure Casting Pressure No. 4, from No. 4, from No. 4, from No. 4, from Touring Test Include data on rate of water inflow and elevation to which water rose in hole. No. 1, from Touring Test Include data on rate of water inflow and elevation to which water rose in hole. No. 1, from Touring Method (puter, back pr.) Tubing Pressure (Anta-is) Casting Pressure (Anta-is) Lithology Lithology Lithology Lithology Lithology Lithology Lithology Lithology									ــــــــــــــــــــــــــــــــــــــ	<u> </u>	
Date First New Oil Run To Tanks OIL OR GAS SANDS OR ZONES Lithology Casing Pressure Gaing Pressure Contents of the Size Casing Pressure Casing Pressure Contents of the Size Casing Pressure Contents of the S	O'TESTPID	ATA AN	<u>ID REQUEST</u>	FOR ALLOWABLE (Test must be	<u>after r</u> lonek a	of overy	li Wal vol Wild'i Agu	ume of load oil	and may	h'be equal to or exceed top	ailee-
No. 2, from	Date First I	New Oil Re	un To Tanks						it etc.	<u> </u>	
No. 2, from				OIL OR GAS	5 5 A	NDS C	RZON	ES			1
Actual Prod. During Test Include data on rate of water inflow and elevation to which water rose in hole. No. 1, from											~~~
Include data on rate of water inflow and elevation to which water rose in hole. No. 1, from	No. 2, fro	om	• • • • • • • • • • • • • • • • • • • •							to	•••••
No. 1, from		-						5	Ges-	MCF	
Toeling Method (pital, back pr.) Thickness Lithology								_	1		
Length of Task to Ship Condenses Add F 1981 Gravity of Condenses To Thickness Lithology From To Thickness Lithology	No. 1, fr	om		to		• • • • • • • • • • • • • • • • • • • •		feet			-
Length of Test 10. Ship Condensete/AddCF 1eet. Gravity of Condensete LITHOLOGY RECORD (Attach additional sheet if necessary) Testing Method (pitet, back pr.) Tubing Pressure (Shirt-in) Cost Pressure (Shirt-in) Choke Size Thickness Lithology From To Thickness Lithology	ASOWEIR	om		to	• • • • • • •	•••••		feet			
To Thickness Lithology From To Thickness Lithology	ADION String	DITTOPIANCE	:F/xD	. Length of Test W	·- 9M	A. Conde	nsete/AAAG	; p 10€1	. Gravi	ty of Condensets	
To Thickness Lithology From To Thickness Lithology	Teettee Met	and (misse	1000 000	THOLOGY RECORL) (<u>A</u>	ttach ac	dditiona	l sheet if no	ecessa	ıry)	
Lithology 11 From To Lithology	I AAITING MAI	[(Ming Pressure (Mag-12)	1599		1 -		Chose	s Sise	
	<u></u>	To	1	Lithology	-1-11	From	To	1 1	ـــــــــــــــــــــــــــــــــــ	Lithology	
			1		11		 	1			
		-	1		- 11			1			
					- 11						
		}	1		-		1	}			
		1								a.	
			1		-			1			
]		- 11						
		l	1		- (((ě.	
			!		H						
			1		Ш						
) ·	}		- 11]		,	•
			1		- 11			•			
			1	•	- 11		1	}			
	i				- 11		İ				
			{	•	- 11		[
					-					•	
	İ				- [[1				
					- []		1				
					- []		Į	1			
		,			- 11		1				