

STATE OF NEW MEXICO

# ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE

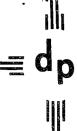
GARREY CARRUTHERS
GOVERNOR

1000 RIO BRAZOS ROAD AZTEC, NEW MEXICO 87410 (505) 334-8178

Date: 9-5-89 SEP 1 1 1989 OIL CONSERVATION DIV. SANTA FE Oil Conservation Division P.O. Box 2088 Santa Fe. NM 87504-2088 Re: Proposed MC Proposed DHC Proposed NSL\_ Proposed SWD\_ Proposed WFX Proposed PMX Gentlemen: I have examined the application dated 10-24N-9Wand my recommendations are as follows: Take 1

Yours truly,

Bund



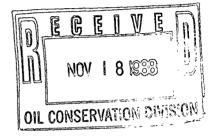
# dugan production corp.

CERTIFIED
RETURN RECEIPT REQUESTED

November 16, 1988

Mr. William J. LeMay, Director New Mexico Oil Conservation Division P.O. Box 2088 Santa Fe, NM 87504-2088

RE: Administrative Approval 160 Acre Spacing Unit Elwood P. Dowd #1 Well T24N, R9W Section 10: SE/4 San Juan County, NM



## Gentlemen:

Dugan Production Corp., hereby requests administrative approval for a 160 acre non-standard spacing unit consisting of the SE/4 of Section 9, T24N, R9W, under the rules of Order No. R-8768.

By certified mail, return receipt requested, we have provided all operators or owners offsetting the subject non-standard spacing unit with a copy of this letter application. A copy of the offset operator or owner notice along with a list of names and addresses of all operators notified is attached for your information. Upon receiving the "return receipts", we will provide you with a copy for your records.

Should you have questions regarding our application, please feel free to contact me at the letterhead address.

Respectfully.

Richard Corcoran

Landman

RC/dh

Enc.

- Necks an NSI feling borrenant is Male 8 of N-838768



# dugan production corp.

CERTIFIED
RETURN RECEIPT REQUESTED

November 16, 1988

TO: Offsetting Operators or Owners

(See attached list)

RE: Application for Administrative Approval

Non-Standard 160 Acre Spacing Unit

Elwood P. Dowd #1 Well

T24N, R9W

Section 10: SE/4 San Juan County, NM

# Gentlemen:

Dugan Production Corp., (Dugan) is making application to the New Mexico Oil Conservation Division, (NMOCD) for administrative approval of a non-standard spacing unit, for the captioned well, consisting of the SE/4 of Section 10, T24N, R9W, to comply with the rules of Order No. R-8768.

Dugan completed the referenced well on April 23, 1983, as a wildcat Picture Cliffs well, spaced 160 acres. The well was drilled on USA lease Number NM-9520, covering the SE/4 of said Section 10, the operating rights of which are owned entirely by Dugan.

The NMOCD under case No. 9420, Order NO. R-8768, established the Basin-Fruitland Coal Gas Pool providing for 320 acre spacing for wells producing from Fruitland Coal seams, effective November 1, 1988.

As provided for in the rules of the above mentioned Order, we are giving notice to you as either the operator or owner (or Trustee) of the offsetting acreage, of our application.

We are enclosing a copy of our letter of application and location plat for your reference. Any operator or owner that objects to the administrative granting of the subject non-standard spacing unit should provide notice to the NMOCD within 20 days of our making application. We would also appreciate any such party to also notify Dugan. Offsetting Operators or Owners November 16, 1988 Page 2 of 2

Should you need additional information regarding our application, please feel free to contact me.

Sincerely,

Richard Corcoran

Landman

RC/dh

Enc.

Conoco P.O. Box 2197 Houston, TX 77252

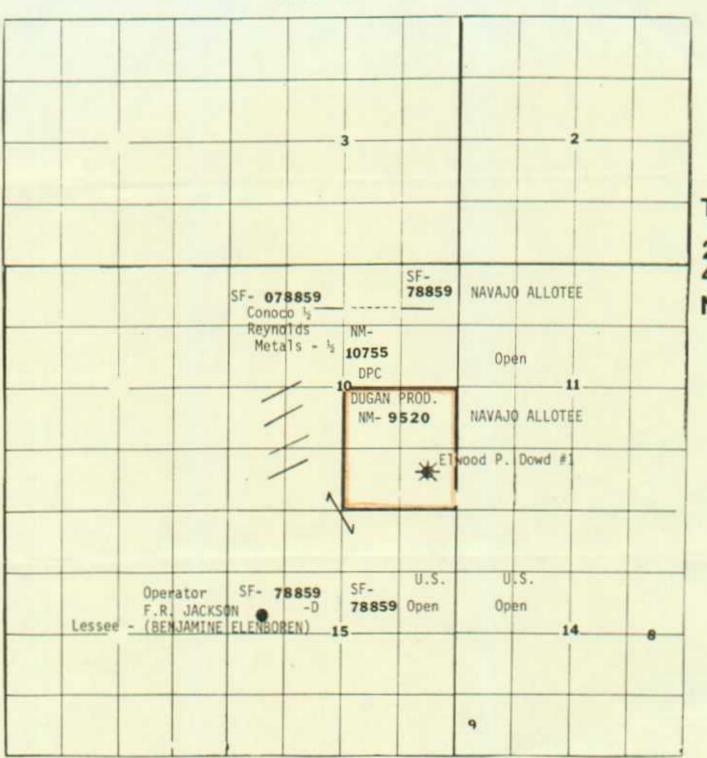
Reynolds Metals Box 9177 Corpus Christi, TX 78408

F.R. Jackson c/o Benjamin Elenbogen 4100 Montview Blvd. Denver, CO 80207

Area Director, Navajo Trustee for Allotees P.O. Box M Window Rock, AZ 86515 Attn: Subsurface Mineral Section

Bureau of Land Management Farmington Resources and Tribal Leases 1235 La Plata Highway Farmington, NM 87499

R 9 W



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# STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

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FILE		1	Г
U.S.O.S.			Г
LAND OFFICE		1	Г
TRANSPORTER	OIL		
	0 A8		
OPERATOR			
PROSATION OF			

# OIL CONSERVATION DIVISION P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Revised 10-01-78
Formal 06-01-85
Page 1
F P F N F N

DEGELVE

REQUEST FOR ALLOWABLE

MAR 2 0 1981

OPERATOR	$\dashv$					AND					
PRORATION OFFICE		AL	THORIZ	ATION T	O TRAN	SPORT OIL	UTAN DNA	RAL GASHI (	ON. DIV.	. !	
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Operator DUCAN DD									<del>DIST. 3</del>		
DUGAN PRO	טווטטענ	N CUPR.									
Address	200 -										
P.O. Box	208, F	armingto	n, NM	874	199						
Reason(s) for filing (C	heck proper	bozj			····		Other (Please	explain)			
New Well		Ch	ange in T	ransporter	of:						
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							·				
If change of ownershi and address of previo											
ing sugress of previo	ne owner _							<del> </del>			
II. DESCRIPTION C	)F WFII	AND IFAS	P								
Lease Name	<u>, , ,, ,, ,, ,, ,, , , , , , , , , , ,</u>	W	II No. Po	ool Name,	Including	Formation		Kind of Lease		L	ose No.
Elwood P. Do	owd	İ	1   1	Indes.	Pictu	red Clif	fs	State, Federal or	F•• Fed	NM	9520
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Unit Letter	· :	1130 F	et From		<u> </u>	bas ent.	750	Feet 7 rom The	Last		
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Cire or section							,	<u>'</u>	Jun Ju	<u> </u>	
III. DESIGNATION	OF TRA	NCDODTE	OF O	I ANID I	A TT ID	AL CAS					
Name of Authorized Tr				enadle [		Arid: 08	(Give address	o which approved	copy of this form is	to be s	ent)
1.0				_	_		•				
Name of Authorized Tre	anaporter of	Castnahead	Gas [7]	ot Dry (	:02YY1	Address	(Give address	o which approved	copy of this form is	to be s	ent)
	•		رن ۱ ددد	U. D., \	,\ <u>\</u> \\\	i	•				•
Dugan Product	tion co				15		BOX ZUB,	Farmington,	NM 87499		<del></del>
If well produces oil or	liquide,	Unit	Sec.	Twp.	Rge.	12 022 00	-	ed) i when	10 10	0.0	
give location of tanks.							<u>YES</u>	<u> </u>	12-13-	80	
If this production is c	ommingled	with that fo	om any o	ther lead	se or poo	l, give com	mingling orde	r number:			
MOTE. Complete	D==4. 117 =			. <i>::</i>							
NOTE: Complete l	-aris IV 41	na v on tei	erse side	ij neces	sary.						
VI. CERTIFICATE C	DE COMPI	IANCE				- 11	OIL C	ONSERVATIO	N DIVISION		
71. CERTIFICATE C	T COMP	TUTACE				- II				- 101	<b>07</b>

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

Bud Crane	
Production Superintendent	
(Title)	

2 10 07	•
3-18-87	<del></del>

APPROVED		_MAR 20,1981
BY	Fran	la Javaz
·		SUPERVISOR DISTROT # 3
TITLE		

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

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

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

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

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

# OIL CONSERVATION DIVISION

Hobbs P.O. Box 1980 Hobbs, NM 88240

Artesia P.O. Drawer DD Artesia, NM 88210 Aztec -1000 Rio Brazos Aztec, NM 87410

MR 27 100

his is to notify the Oil Co	nservation	Division of	the following:
Connection Fire	st Delivery		
		Date	Initial Potential
Reconnection X Fire	st Delivery	12-13-86	
		Date	Initial Potential
Disconnection			
or delivery of gas from the	DUGAN	PRODUCTION	CORP.
,		Operator	
	E1woo	od P. Dowd	
		Lease	
4-674-01	1	P	10-24N-9W
eter Code Site Code	Well No.	Unit Letter	S-T-R
		Undes. Pi	ctured Cliffs
		Poo	1
as made on <u>12-13-86</u> .			
date		•	
AOF			
	DUG	SAN PRODUCTION	N CORP.
Choke		Transpor	
	B.	of Crane	•
OCD use only	Bud Cra		tion Superintendent
•		esentative	
County	(P	lease type	or print)
Land Type	}		•
Liq. Transporter	Re	presentativ	e Signature
·			MECENE

Submit in duplicate to the appropriate district office. MAR201987

OIL CON. DIV.

EL PASO NATURAL GAS COMPANY
POST OFFICE BOX 990

FARMINGTON, NEW MEXICO

MAR - 2 1957 JULY

NOTICE OF DISCONNECT

.1

DATE FEBRUARY 10, 1987

DUGAN PRODUCTION		ELWOOD P. DOWD #1						
Operator		Well Name						
94-674-01		38369	-01	Р	Р			
Meter Code		Site Code Well Un						
10-24-9		UNDESIGNATED PICTURED CLIFFS						
S-T-R	<u> </u>	Pool						
EL PASO NATURAL GAS		WAS MAD	E ON _	DECEME	ER 12	, 198	36	
Name of Purchaser			_		Ľ	ate		
DUE TOTEMPORARY_DISCONNECT_	FROM OUR	GATHERING	SYSTEM	TO TUR	OVER	T0 [	DUGAN	PRODUCTI ON
		•		•				
	43		μ <del></del> -					

EL PASO NATURAL GAS CO.

Purchaser

Representative

Clerk, Technical Support

Title

PERFINI FEB 2 0 1937. OIL CON DO

OIL CON. DIV.

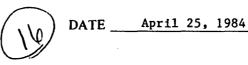
XC: OPERATOR

PRODUCTION CONTROL - E1 Paso
LEASE DEVELOPMENT - E1 Paso
CONTRACT ADMINISTRATION - E1 Paso

FILE

# **EL PASO NATURAL GAS COMPANY POST OFFICE BOX 990 FARMINGTON, NEW MEXICO**

NOTICE	OF	GAS	CONNECTION
Χ,	,		



THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR PURCHASE OF

GAS FROM	Dugan Production Corp.  Operator	Elwood P. Do	wd #1 I Name
94-674-01	38369-01	P	10-24-9
Meter Code	Site Code Pictured Cliffs	Well Unit El Paso Natural	S-T-R
ondesignated	Pool		of Purchaser
WAS MADE ON	April 7, 1984  Date	FIRST DELIVERY_	April 7, 1984  Date
AOF88	3		
(	DHS	El Paso N Purchaser Representat	Jatural Gas Company

cc: Operator

Oil Conservation Commission -2XXXXXXXXX - El Paso Production Control

Contract Administration

File

MAY 01 1984 OIL CON. DIV. DIST. 3

OIL CONSERVATION DIVISION

SANTA CE

Gim L. Jacobs Geologist (Tule) 4-13-84

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

Fill out only Sections I. II. III, and VI for changes of owner, name or number, or transporter, or other such change of condition. Separate Forms C-104 must be filed for each pool in multiply completed wells.

Form 9-330 (Rev. 5-63)		5 B	LM, Fm	n 1 H STATES	arve	ey suвы	] É	ile DUPLIÇA		] ]		1 MW
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	n Produc	tion Co	orp.	•	1	Mi		GIGAL SU	WAFE	WELL NO.		VIII.
, 3. ADDRESS OF OPER			_4	NM 0740		<b></b>	NE CHE	而信	i W	15 1141	D BOOT	L, OR WILDCAT
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36. I hereby certify	that the foreg	oing and a	ttached in	formation is	compl	ete and co	rect a	8 determin	ed fro	m all availa	CEPi	EO FOR RECORD
SIGNED	. ' /	1 180	A. Dug	TITLE				nginee			E _5-	9-83
				d Spaces fo	or A	dditional	Data	on Reve	2150 5	ide)	<del>       </del>	<del>/ 23 1983</del>
	•			-, • •	A			2		·=-,	FARMU	NGTON DISTRICT

**NMOCC** 

# INSTRUCTIONS

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

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

Hem 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in active referral office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in Rems 22 and 24: If this well is completed for separate production from more than one interval zone (multiple complete interval, and interval, top(s), bettom(s) and name(s) (if any) for only the interval reported in item 33. Submit a fine required to such interval.

If the 29: "Narcha Cramal interval is reparately produced, showing the additional data pertinent to such interval.

Item 29: "Narcha Cramal". Attached supplemental researds for this well should show the details of any multiple stage of the 33: Submit a separately produced. (See Instructi

any or number the transfer of GEOLOGIC MARKERS 37. SI:MIANY OF POROUS ZONES: RIUM ALL IMPURTANT ZONES OF POROSITT AND COMPENTS THERROF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING HEVETH INTERVAL TESTED, CUSHION USED, TIME TOOL OPER, FLOWING AND SHILL, INTERVALS, AND RECOVERIES

Tor

FURMATION

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GPO 680-378

### STATE OF NEW MEXICO 4 NMOCD 1 EPNG 1 Harvey 1 File ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION ---DISTRIBUTION SANTA FE, NEW MEXICO 87501 FILE U.S.Q.8 REQUEST FOR ALLOWABLE AND OPERATO AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS Dugan Production Corp. P O Box 208, Farmington, NM 87499 Reason(s) for filing (Check proper box) Other (Please explain) [XX New Well OH Dry Gos Change in Ownership Casinah If change of ownership give name and address of previous owner \_\_\_\_ II. DESCRIPTION OF WELL AND LEASE. | Well No. | Pool Name, Including Formation Elwood P. Dowd Undesignated Pictured Cliffs NM 9520 Fed 1190 South 10 24 N 9W San Juan Township Line of Section Range . NMPM. County III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS | Name of Authorized Transporter of Oil | or Condensate | Address (Give address to which approved copy of this form is to be sent) Authorized Transporter of Casinghead Gas Address (Give address to which approved copy of this form is to be sent) P O Box 208, Farmington, NM 87499 Dugan Production Corp. If well produces oil or liquide, give location of tanks. No If this production is commingled with that from any other lease or pool, give commingling order nu IV. COMPLETION DATA Plus Back | Same Resty, Dill. Resty Designate Type of Completion - (X) XX ХX ol De 5-30-79 4-23-83 2270 2814 6729 GL Otl/Gas Pan Pictured Cliffs 17401 1750 1740-44', 8 holes 2814' GL TUBING, CASING, AND CEMENTING RECORD BACKS CEMENT DEPTH SET HOLE SIZE CASING & TUBING SIZE 8-3/4" 5-1/8" 41 cf 69' GL 2-7/8 2814' GL 315 cf 1750 1-1/4" V. TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours) Date First New Oil Run To Tanks Producing Method (Flow, pump, gas lift, etc.) Date of Test PECEIVEN Length of Test Cosing Pressure OMAY 12 1983 Voter - Bhie. Actual Prod. During Test OIL CON. DIK GAS WELL Actual Prod. Test-MCF/D Carbyill St College Bble. Condensate/MMCF hrs 3 88 Testing Method (pitot, back pr.) 1/2" one point back pressure 194 468 OIL CONSERVATION DIVISION VI. CERTIFICATE OF COMPLIANCE r-25-83 MAY 2 5 1983 APPROVED. 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. SUPERVISOR DISTRICT # 3 This form is to be flied in compliance with RULE 1104. If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111. Thomas A. Dugan Petroleum Engineer

(Title)

(Date)

5-9-83

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

Fill out only Sections I. II. III. and VI for changes of owner, well name or number, or transporter, or other such thange of condition. Separate Forms C-104 must be filed for each pool in multiply toleted wells.

# OIL CONSERVATION DIVISION P. O. BOX 2088

STATE OF NEW MEXICO ENERGY AND MINERAL'S DEPARTMENT

3 NMOCD

Form C-122 Revised 10-1-78

DEPARTMENT SANTA FE, NEW MEXICO 87501 I Harvey

I EPNG I File

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Тур	o Test										Test Do	ite	T			
Ĺ	ע ע	Initio	2l	[	Ar	nnual			☐ Spe	cial	4	-23-83	-			
Cor	npony			_	-	Connec	tion	•								
L	Dugan F	roduc	tion	Corp.		<u> </u>										
Poc	ม Undesi	nated	i			Formati	on	Pictu	red Cl	iffs			Unit			
Completion Date 4-23-83 Total Depth 2814							or Lease N		`							
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The	] <del>]</del> "	wi. 2.4		1.380	Set .	Ai 1750		erioratio	en end	ed To		····	Unit	Sec. 10	т <del>wр.</del> 24N	Age. 9W
Tyr			denhead		1				Packer &				County			
Type Well-Single - Bradenhead - G.G. or G.O. Multiple Packer Set At County Single - gas San Juan																
<b>F,10</b>	ducing Thru tubing		Reserv	roir Temp. °F	1	dean Ann	val T	emp. °F	Baro. Pre	288. —	P		State NM			
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NO.	Prover Line Size	×	Orifice Size	Press. p.s.i.q.	T	Diff.		Temp.	Pres p.s.l.	s.	Tem	Pr	ess.	Temp.		of Flow
SI	3120			<del>                                     </del>	+		$\neg$		19	Δ	<del> </del>	4	68		- -	
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Dec. 1973	/ 11116		Form Approx Budget Bure	ved. au No. 42–R1424
UNITED STATES	/	5. LEASE	- <u>-                                  </u>	និធីគឺ
DEPARTMENT OF THE INTERIOR		NM 9520		
GEOLOGICAL SURVEY	-	6. IF INDIAN, ALL		
ι			ಕ್ಷಿ ಕೃತ	2 2 2
SUNDRY NOTICES AND REPORTS ON	WELLS 7	7. UNIT AGREEM	ENT NAME :	3 2.0
(Do not use this form for proposals to drill or to deepen or plug back	4	<u>::</u>	je je je	e 급성
eservoir, Use Form 9–331–C for such proposals.)		8. FARM OR LEAS	SE NAME	2 2 5
1. oil gas D	757759 711		P. Dowd	eibni lagr ool of
well well kk other The	والاستعالات	9. WELL NO. 🔅	<u> </u>	320
2. NAME OF OPERATOR	1998	1		t jang Maga Maga
DUGAN PRODUCTION CORP.	9 1983	p. FIELD OR WILL	DCAT NAME	1 2 2
			t 5 = -	\$ 11 E
P O Box 208, Farmington P O RECERT  4. LOCATION OF WELL (REPORT LOCATION CONTROL OF WELL (REPORT LOCATION CONTROL OF MELL (REPORT LO	ATION DIVIS	1. SEC., T., R., M	OR BLK. AI	ND SURVEY OR
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below.) AT SURFACE 190' FSL - 790' FEL	-		D- T24N R9	
AT TOP PROD. INTERVAL:	12	2. COUNTY OR P		STATE 6
AT TOTAL DEPTH:	بدا	San Jña 4. API NO.	411 · · · · · · · · · · · · · · · · · ·	<u> KENMO</u>
16. CHECK APPROPRIATE BOX TO INDICATE NATURE	DE NOTICE	AFI NO.		10/th
REPORT, OR OTHER DATA	AN 19 1983	5. SIEVATIONS		できてみ (DB, AND WD)
	- N-	67291		100, 21 io
REQUEST FOR APPROVAL TO: SUBSEQUENT BE	OF: OF:		7 2 3	हुँ इ.इ
TEST WATER SHUT-OFF	1 4 1902	د ۱	1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	25.25 55.25 55.25
FRACTURE TREAT  SHOOT OR ACIDIZE  \[ \begin{align*} \text{T} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	AN I'	ENEN )	\$ 25 E	90 403 403 403 403 403 403 403 403 403 40
REPAIR WELL	CICAL N.	NOTE: Report resul	ာင္း ts of multiple c	ampletion or zone.
PULL OR ALTER CASING [] []	AN 19 13 SUR GEOLOGICAL SUR	change on I	orm 9~330.)	
MULTIPLE COMPLETE	SEARMIN	15 - 51	실수를 모	
ABANDON*	•	್ರ. ಅ ಕ ಈ	3,5 g = 3.	
(other) XX State	tus	77 . A	前景表 直	enaidamteo Pramio llew Prama no b Prama no b Prama no in
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS including estimated date of starting any proposed work measured and true vertical depths for all markers and z  See reverse for work per Plan to do further test	k. If well is directiones pertinent to	tionally drilled, graduate this work.)* ว่ากับเมื่อวังกับ 1-โอกัลโ	Termino analtecal land	a stance by construction of the construction o
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Subcurface Safety Valve: Many, and Type	DIST. 3	25	STORY SHA	हें जिल्हें उर्देशियां Ft.
Subsurface Safety Valve: Manu. and Type		<u> </u>	= 3 gr (1) = -	12 S
18. I hereby certify that the foregoing is true and correct	0 1	ped Ne.	0 in 2 in 1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
SIGNED TITLE	Geologist	DATE	F-48-83 #	5 H H
77) Jim L. Jacobs			**************************************	ed be become
(This space for Fed	eral or State office u	use) A A	शन्द्ध । हम ।	Lew Territory
APPROVED BY TITLE		DATE	<u>병역의 본, </u>	<del>- 5 - 7</del>
CONDITIONS OF APPROVAL, IF ANY:		ger dybu	JAN 2	4=1983
,		9. % 9. %	FARMINGTO	M DISTRICT
	ns on Reverse Side	B	·	—————— <del>———————————————————————————————</del>
NMO	CC.			•

- 1-13-83
  MI & RU Hinson Service Co. Inc. T.I.H. with cross pin swab stop sub on tubing. Ran 54 jts. 1½" O.D., 2.4#, J-55, CWEUE, 10 rd, condition B tubing and landed at 1750'. Rigged up to swab. Had trouble getting down. Made one run to bottom with one swab cup and without the no-go disk on the mandrel.
- 1-14-83 SITP = TSTM SICP = Zero. Fluid at ±1100'. Made 9 runs by 10:00 a.m. Had casing pressure up to 60 psi. Made 17 runs before noon. At 3:30 had made 16 more runs; casing pressure built to 270 psi and well kicked off and flowed. After 30 minutes, casing pressure 150 psi. Well slugging intermittently. At 4:30 well had logged off. Casing pressure rising. Well had made est. 3-5 BW/hr. while swabbing. Shut down rig ±4:00 p.m. Shut well in ±4:30 p.m.
  - 1-15-83 SICP 230 psi Fluid at ±1050'
    At 11:00 a.m., after 16 runs, the well kicked off and flowed.
    Had dropped 3 soap sticks. Flowed about 30 minutes and logged off. Rigged down; moved off.

5 BLM (Farmington	) 1-Harvey 1-File	/	•
Form 9-331 (May 1963)	NITED STATES	SUBMIT IN TRIPLIC	Form approved. Budget Bureau No. 42-R1424.
	ENT OF THE INTERI	IOR verse side	5. LEASE DESIGNATION AND SERIAL NO.
GE	OLOGICAL SURVEY		NM 9520  6. IF INDIAN, ALLOTTEE OR TRIBE NAME
	ES AND REPORTS (		G. IF INDIAN, ALLOTTEE OR TRIBE NAME
(Do not use this form for proposal Use "APPLICAT	s to drill or to deepen or plug t ION FOR PERMIT—" for such p	oack to a different reservoir.	
1. OIL GAS GA		RECEIV	7. VNIT AGREEMENT NAME
WELL WELL X OTHER	.•	RECEIV	B. FESI OR LEASE NAME :
· Dugan Production Co	oro.	IAN 5 19	Elwood P. Dowd
3. ADDRESS OF OPERATOR		<b>1</b> 0.	9. WELL NO.
Box 208, Farmington	ı, NM 87401	GEOLOGICA	L SUR #1
Box 208, Farmington 4. LOCATION OF WELL (Report location cless See also space 17 below.) At surface	rry and in accordance with any	Statel redulie Bears MINGION	10. FIELD AND POOL, OR WILDCAT
1190' FSL - 790'		· `	11. SEC., T., B., M., OR BLE. AND
1130 (30 730	,		SURVEY OR AREA
<u>: -                                   </u>			Section 10 T24N R9W
14. PERMIT NO.	15. BLEVATIONS (Show whether DF	, RT, GR, elc.)	12. COUNTY OR PARISH 13. STATE
	6729' GR		San Juan   NM
16. Check App	ropriate Box To Indicate N	lature of Notice, Report	, or Other Data
NOTICE OF INTENTI	OX 70:	8	UBSEQUENT REPORT OF:
TEST WATER SHUT-OFF PC	LL OB ALTER CASING	WATER SHUT-OFF	REPAIRING WELL .
	ANDON®	PRACTURE TREATMENT SHOOTING OR ACIDIZIN	
<del></del>	ANGE PLANS	(Other)	ABANDONMENT"
(Other) Additional te	sting	(Note: Report Completion or R	results of multiple completion on Well
17. DESCRIBE PROPOSED OR COMPLETED OPERS proposed work. If well is directions	TIONS (Clearly state all pertinenally drilled, give subsurface local	t details, and give pertinent	dates, including estimated date of starting any vertical depths for all markers and zones perti-
nent to this work.) *			
Request permiss	ion to do additional	swab testing to	further
evaluate well w	hen weather and work	c load permits.	
		J'101	
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•	60 1993	·	
	₩ JAN 20 1983	و جرم الالله	MEM
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	OIL CONSERVATION SANTA FE	(3)	1093
	J/11	L'S JAN1	7 1983
^	فسينيده سندري كالابالي والمسيعيد		N. DIV.
		OIL CO	7. 3
·		Dia	
18. I hereby certify that the foregoing is	true and correct		
SIGNED My 3	TITLE	Geologist	1-4-83
(This space for Federal or State office	CODS		APPROVED
•	•		AS AMENDED
APPROVED BY	Y:		DATE 1ΔΝ 1 4 1903
			Firthdlu !
	_		FOR SAMES F. SIMS
•	*See Instruction	s on Reverse Side	DISTRICT ENGINEER

\*See Instructions on Reverse Side NMOCC

ూUSGS (Farmingt	on) 1-Harvev	1-File	•		
Form 9-331 (May 1983)	UNITED STA	TES	SUBMIT IN TRIP	LICATE.	Form approved. Budget Byrean No. 42-R1424
DEPART	MENT OF TH	e interio	R (Other Instruction)	0D F6-	5. LEASE DESIGNATION AND SERIAL NO.
	GEOLOGICAL S	URVEY			NM 9520
SUNDRY NO	TICES AND RE	EPORTS O	N WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
(Do not use this form for proper Use "APPLIC	osals to drill or to dec CATION FOR PERMIT	epen or plug ba- " for such pro	ck to a different reservol posals.)	ir.	,
1.		<del></del>			7. UNIT AGREEMENT NAME
WELL WELL X OTHER					
2. NAME OF OPERATOR				:	8. FARSI OR LEASE NAME
Dugan Production  3. ADDRESS OF OPERATOR	torp.	<u> </u>	millioned annual of the company of		Elwood P. Dowd
Box 208, Farming	ton, NM 8740		FIVED		#1
4. LOCATION OF WELL (Report location See also space 17 below.)	clearly and in accorda	nce with any S	tate requirements.		10. PIELD AND POOL, OR WILDCAT
At surface		JAH	108 1982		Wildcat
1190' FSL - 790	D' FEL		DLOGICAL SURVEY		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
			MGTON, N. M.		Section 10 T24N R9W
14. PERMIT NO.	15. BLEVATIONS (Sh	ow whether br, i	it, GR, etc.)		12. COUNTY OF PARISH 13. STATE
	6729	9' GR			San Juan 🕺 NM
18. Check A	ppropriate Box To	Indicate Na	ture of Notice, Repo	ort, or O	ther Data
NOTICE OF INTE	NTION TO:	1	•	SUBSEQU	ENT REPORT OF:
TEST WATER SHUT-OFF	PULL OR ALTER CASING		WATER SHUT-OFF		REPAIRING WELL
FRACTURE TREAT	MULTIPLE COMPLETS		PRACTURE TREATME	NT	ALTERING CABING
SHOOT OR ACIDIZE	ABANDON*		SHOOTING OR ACIDIS	1NO	ABANDONMENT*
REPAIR WELL Other) Request Addition	CHANGE PLANS		(Other) (Note: Repor	t results	of multiple completion on Well
	<del></del>	te all pertineut			tion Report and Log form.)
proposed work. If well is direct nent to this work.) •	ionally drilled, give su	ibsurface locatio	ns and measured and tru	ie vertical	depths for all markers and sones perti-
B					
Request permission to We feel that this well	conduct addit	ional swat f producir	obing and evalu	ation.	+:00
of natural gas with mor				quanti	cies .
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OIL CURS CAULA FE	D 11			<b>1</b> 8	Shell to H I had to
OIL CONSSAULA FE				ſ.	JAN 14 1982
					IL CON. COM.
				10	DIST 3
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<b>a</b> .					
18. I hereby certify that the foregoing	s true and correct				
SIGNED Sharman &	Susan	TITLE Ag	ent		DATE 1-6-82
(This space for Federal States of	) Dugan - 1				
l L	TRelle	•			•
CONDITIONS OF APPROVAL, IF	INX: 1382	TITLE		<del></del>	DATE
7 For JAME		NMOC	r		,
	T ENGINEER	ļ			
	See	Instructions o	n Reverse Side		

4-USGS (	(Farmington) 1-Harvey 1-Fil	e ·	
Form 9-331 (Mny 1983)	UNITED STATES	SUBMIT IN TRIPLICATE.	Form approved. Budget Bureau-No. 42-R1424.
<b>H</b>	DEPARTMENT OF THE INTER	RIOR verse side)	5. LEASE DESIGNATION AND SERIAL NO.
	GEOLOGICAL SURVEY	· ·	NM 9520
SUN	DRY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TEISE NAME
	form for proposals to drill or to deepen or plug Use "APPLICATION FOR PERMIT-" for such		│
i.	Ole All Doction Total District		7. UNIT AGREEMENT NAME
	X OTHER		
2. NAME OF OPERATOR			8. FARM OR LEASE NAME.
Dugan Pr	oduction Corp.		Elwood P. Dowd
3. ADDRESS OF OPERATOR			9. WELL NO.
	Farmington, NM 87401		#1 == 7 = 7 = 7
See also space 17 belo	eport location clearly and in accordance with an	y State requirements.*	10. FIELD AND POOL, OR WILDCAT
At surface	FC: 7001 FF:		Wildcat 11. BEC., T., R., M., OR BLK. AND
1190	FSL - 790' FEL		SURVEY OR ARMA
			Section 10 T24N R9W
14. PERMIT NO.	15. BLEVATIONS (Show whether i	DF, RT, GR, etc.)	12. COUNTY OR-PARISH 13. STATS
	6729' GR		San Juan NM
16.	Check Appropriate Box To Indicate	Nature of Notice Report of C	<b>-</b>
	• •	•	ENT REPORT OF 1
,, ,	NOTICE OF INTENTION TO:	8088200	7
TEST WATER SHUT-OF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WHLL
FRACTURE TREAT	MULTIPLE COMPLETE	PRACTURE TREATMENT X	ALTERING CASING
SHOOT OR ACIDIZE REPAIR WELL	ABANDON*  CHANGE PLANS	Other)	ABANDONMENT*
(Other)	Change France	(Nors: Report results	of multiple completion on Weil
17. DESCRIBE PROPOSED OR	COMPLETED OPERATIONS (Clearly state all pertine	ent details, and give pertinent dates,	etion Report and Log form.) Including estimated date of starting any
proposed work. If nent to this work.) *	well is directionally drilled, give subsurface loc	ations and measured and true vertica	depths for all markers and sones perti-
			그 이 불어줍니다고 어느 이 사람
7-30-79	Foam fraced perfs 1740-44	(8 holes) w/70 qualit	ty foam by Western
	Co. and Nowsco. Used 15,0	00# 10-20 sand, 21 ga	rp 2600 psi Ave TP
	150 bbls wtr and 122,100 S	CF of nitrogen. Min	January 7500 # sand
	2700 psi, Max TP 4000 psi. in. Flowed well back to a	tmosphere Re-starte	frac and completed
		ווו נפת נומול עומי	iin ciosea iii bressare
	1000 pci Opened well to	atmosphere after 30 (	nin thru 3/4" positive
	1900 psi. Opened well to choke.		
	Clioke.	FRECEIVER 1979	<b>)</b>
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granden and a second a second and a second a	$C_{ij}$	A - 4,	
			1
•	, ,		AUG 2 1 1979
18. I bereby certify then	the foregoing is true and correct		AUG COM
$\alpha$	A. Wugan	Dotnoloum Engineer	1 501 - 3 /
SIGNEDThom:	TITLE	Petroleum Engineer	DATE 8-1-/8:31
(This space for Feder	al or State office uve)		
APPROVED BY	TITLE		DATE

\*See Instructions on Reverse Side

•	Farmington) 1-Harve		1	
Form 9-331 (Mny 1963)	UNITED STA	//)then in	N TRIPLICATES	Form approved, Budget Bureau No. 42-R1424
	DEPARTMENT OF THE			5. LEASE DESIGNATION AND BERIAL NO.
	GEOLOGICAL	SURVEY		NM 9520
SUNI	DRY NOTICES AND F	REPORTS ON WELLS	ĺ	8. IF INDIAN, ALLOTTER OR TRIBE NAME
(Do not use this f	orm for proposals to drill or to o	deepen or plug back to a different	t reservoir.	
1.	Use ATTMOSTION TON TENNS	The state proposally		7. UNIT AGREEMENT NAME
	OTRER			
2, NAME OF OPERATOR	- Olinak			8. PARM OR LEASE NAME:
Dugan Pro	oduction Corp.			Elwood P. Dowd
3. ADDRESS OF OPERATOR				9. WELL NO.
Box 234,	Farmington, NM 874	01		#1
4. LOCATION OF WELL (Re See also space 17 below	port location clearly and in accor	dance with any State requirement	ts.*	10. FIELD AND POOL, OR WILDCAT
At surface			_	Wildcat
1190' F	'SL - 790' FEL	,		11. SEC., T., R., M., OR BLE, AND SURVEY OR ARMA
				Section 10 T24N R9W
14. PERMIT NO.	· ·	Show whether DF, RT, GR, etc.)	ļ	
	1 67	29' GR		San Juan   NM
16.	Check Appropriate Box 1	To Indicate Nature of Notic	e, Report, or Ot	her Data 🚅 💆 💢 📆 📆
,. No	OTICE OF INTENTION TO:	1	SUBSEQUE	NT REPORT OF:
TEST WATER SHUT-OF	PULL OR ALTER CAS	ING WATER SH	UT-OFF	REPAIRING WELL
FRACTURE TREAT	MULTIPLE COMPLET	FRACTURE	TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE	ABANDON*	BHOOTING	OR ACIDIZING XX	ABANDONMENT®
REPAIR WELL	CHANGE PLANS	(Other)		
(Other)				f multiple completion on Well ion Report and Log form.)
17. DESCRIBE PROPOSED OR a proposed work. If	COMPLETED OPERATIONS (Clearly st well is directionally drilled, give	tate all pertinent details, and given subsurface locations and measure	e pertinent dates, li d and true vertical	icluding estimated date of starting any depths for all markers and sones perti-
nent to this work.) *				
7-10-79	Moved in and rigge	ed up FWS swabbing u	ınit. Check	ed PBTD 2270'.
		down to 1500'. B1		
		)-1744'. (8 holes).		
•		lead of swab. Let w	ell sit 15	minutes. Not
	enough fluid in ho	le to load swab.		
7 11 70				
7-11-79	Acidized by Allied	Services w/250 gal	s 15% HCl r	egular acid and
	2 gais iretolite i	iquid foamer follow	red by 11 bb	ls water.
	Average TP 400 psi	@ 1-1/2 B/M.		250
D 7.0-	T 77			
1 1111 0				JULY SELECTION
		/ kin	three same	0/2 0 2 3 70 3
CIT COMPANY	= $H(I)$	1	Mark Carl A. B.	- 604
\$150	TON OPMOUNT	4	i	ST. 3CM.
0.1141,	THE A	÷	JUL 13 1979	
	. <i>L</i> i	4		
18. I hereby certify that t	he foregoing/is true and correct		GEOLURICAL SUI	RVEY = 1'
SIGNED TI	4. Kush	Petroleum Eng		DATE 7-12-79
THUIRS	A. Dugan	11100		
(This space for Federa	l or State office use)		[	
APPROVED BY	V	TITLE		/ DATE
CONDITIONS OF APP	PROVAL, IF ANY:		1	1070
				OINT TO 1918
		ar a no no no	,	James 4. Simo
	*Se	e Instructions on Reverse Sid	de	500 10 DIST. 0. 1 DICH 1 TO
		MMOCC	L./	a transferment contains
•		· 141.4-		

4-USGS (	(Farmington) 1-Ha	rvey 1-File	¢	
Form 9-331 (Mny 1963)	UNITED		SUBMIT IN TRIPLICAT	Form approved.  Budget Bureau No. 42-R1424.
	DEPARTMENT OF	THE INTERIO	OR verse side)	5. LEASE DESIGNATION AND BERIAL NO.
	GEOLOGIC	AL SURVEY		NM 9520
SUN	DRY NOTICES AN	D REPORTS O	N WELLS	G. IF INDIAN, ALLOTTEE OR TRIBE NAME
	form for proposals to drill or Use "APPLICATION FOR P			
1.	USE APPLICATION FOR PA	ERMIX— TOF BUCK PRO	posta, j	7. UNIT AGREEMENT NAME
OIL CAS	X OTHER			. Onli Adabarani Nama
2. NAME OF OPERATOR	CE UTACK			8. FARM OR LEASE NAME
Dugan Pr	oduction Corp.			Elwood P. Dowd
3. ADDRESS OF OPERATOR		<del></del>		9. WELL NO.
Box 234,	Farmington, NM 8	87401		#1
	teport location clearly and in	secordance with any S	tate requirements.*	10. FIELD AND POOL, OR WILDCAT
At surface				Wildcat
1190'	FSL - 790' FEL			11. SEC., T., R., M., OR BLK. AND SURVEY OR ARBA
•				
14. PERMIT NO.	1 15 PIPVATIO	NS (Show whether pr. 1	T (In etc.)	Section 10 T24N R9W
14. PERMIT NO.	10. 21277110	-	ai, un, euc.)	3.
		6729' GR		I San Juan I NM
16.	Check Appropriate B	ox To Indicate Na	iture of Notice, Report, or	Other Data
,	NOTICE OF INTENTION TO:	I		QUENT REPORT OF:
TEST WATER SHUT-OF	PF PULL OR ALTER	OKIEKO	WATER SHUT-OFF	REPAIRING WELL
FRACTURE TREAT	MULTIPLE COM	PILETE	FRACTURE TREATMENT	ALTERING CASING
BHOOT OR ACIDIZE	ABANDON*		SHOOTING OR ACIDIZING	ABANDONMENT*
REPAIR WELL	CHANGE PLANS		(Other)	perf xx
(Other)	·		(NOTE: Report resulting Completion or Recon	ts of multiple completion on Well apletion Report and Log form.)
17. DESCRIBE PROPOSED OR proposed work. If	completed operations (Clear well is directionally drilled.	rly state all pertinent give subsurface locatio	details, and give pertinent date	es, including estimated date of starting any ical depths for all markers and zones perti-
nent to this work.) *				
	·			
			•	•
6-11-79	Rigged up FWS swi	abbing unit.	PBTD 2784'. Rigg	ed up Blue Jet
	nonfountone and i	ran damma rav	correlation and C	Ullar locator roy
	from DDTD 1700' :	and 1250-1050	i' Swabbed Well d	OMIL TO TIOD .
	Perforated zones	2602-2604, 2	608-2610, 2621-262	J, 2020-2032
	1 2CAO 2CAA on	covvolation	100 WITH /- 1/8 Di	-Wile diass less;
	1 SPF, total of	14 shots. La	sing swabbed well	r. Well shut in.
	mins swabbed gas	anead of lar	ge amounts of wate	
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OIL CON:	SERVATION DIVISION			= 1979
	SANTA FE			JUN 15 1979
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				OIL COIST. 3
IR I hereby certify was	the foregolds, is, toue and corr	ect	·	
(X)	, A Ware	Post	roleum Engineer	6_12=70
SIGNED Thom	as A. Dugan	_ TITLE PEL	TOTEUM ENGINEER	DATE IL
	nl or State office yee)			
ADDDOUGD DE	V	TITLE	#	111F1 10ATE
CONDITIONS OF AP	PROVAL, IF ANY:	_ 11100	<u>,</u>	JUH FOR
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			17. F	e egregoege, U. UNO/Lib

\*See Instructions on Reverse Side

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Form 9-331	on) 1-Harvey 1-File UNITED STATES	SUBMIT IN TRIPLICATES	Form approved. Budget Bureau No. 42-B1424.
(May 1963) DEPART	MENT OF THE INTERI	(Other Instructions on the	5. LEASE DESIGNATION AND SERIAL NO.
	GEOLOGICAL SURVEY		6. IF INDIAN, ALLOTTER OR TRIBE NAME
	TICES AND REPORTS C		1
OIL GAS X OTHER			7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR	Cown		8. FARM OR LEASE NAME.
Dugan Production 3. ADDRESS OF OPERATOR	corp.		Elwood P. Dowd
Box 234, Farming	ton, NM 87401 clearly and in accordance with any S	10-4	#1
See also space 17 below.) At surface	clearly and in accordance with any 2	state requirements.	Wildcat
1190' FSL - 790	)' FEL		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
			Section 10 T24N R9W
14. PERMIT NO.	15. BLEVATIONS (Show whether DF, 6729 GR	RT, UR, EUC. J	San Juan NM
16. Chark A			
NOTICE OF INTE	ppropriate Box To Indicate No	• • •	UBNT REPORT OF:
· —	( <del>)</del>		
FRACTURE TREAT	PULL OR ALTER CASING MULTIPLE COMPLETE	WATER SHUT-OFF FRACTURE TREATMENT	ALTERING CASING
SHOUT OR ACIDIZE	ABANDON®	SHOOTING OR ACIDIZING	ABANDONMBHT*
REPAIR WELL	CHANGE PLANS	(Other)	CSG X
proposed work. If well is directinent to this work.) *	ionally drilled, give subsurface location	ons and measured and true vertice	Including estimated date of starting any all depths for all markers and sones perti-
	one successful attemp f hole, prepared to r		Brought damaged tool
	in hole w/overshot.		
s topp	ed. Fish was stuck o	n bottom. Had to we	ork free for 4'. Came
Out O	it hole w/wet string. Tish. Rigged up csg t	Laying down drill   oole • Ran 94 its 2	pipe. Laid down overshot
10R N	EUE the for csq. TE	2814.56' set @ 2814'	'GR. Had good circulation
and r	eciprocated pipe while	e cementing. Cement	ted w/75 sx 65-35 w/12%
			class "B" neat w/1/4#
TIO C	sed to 750 psi. Shut	urry 315 cu ft. Bur in. POR 12:00 midr	nped plug w/1500 psi -
JUN 2 9 1979	3ed to 750 ps1. Shac	The state of the s	- APPINA
OIL CONSERVATION DIVISI	(U) (C)	6161 - 8 Mil	(uritinto)
OIL CONSERVATION AND SANTA FE	· /	L.S. PERLOPICAL SU	OIL CON. COM.
IS. I hereby certify that the foregoing i	s true and correct	• • • •	DIST. 3: -
SIGNED Thomas A. Du	gan TITLE Pet	roleum Engineer	DATE 6-7-79
(This space for Federal or State off	ice use)		
APPROVED BY	TITLE		DATE

# WLL LOCATION AND ACREAGE DEDICATION PLAT

Okal

Porm C+107 Superseder C+178 Effective 1-1-65

Operator		<del></del>	1.00	180		Well Do.
Dugan Pro	duction Corpo	ration		Elwood P.	Dowd	1
Unit Letter	Section	Township		Range	County	
P	10	24 Nor	th	9 West	San Juan	
Actual Footage Loc-		South 1	_	790	East	
Ground Level Elev.	Producing For	<del>.</del>	ine and		t from the EdST	Dedicated Acreage: //
6729	Chac			Wildcat		160 Acres
	e acreaus dedica	ted to the sub	iect wall b		r hachure marks on tl	
. Outline in	c nereage dearen	ted to the Bull	jeer weir b	y colored penetro	i naciatic marks on ti	re practicioni.
<ol> <li>If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).</li> <li>If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consoli-</li> </ol>						
	ommunitization, u		e-pooling, c	etc?	have the interests of	all owners been consoli-
1 cs	[_] 140 11 at	iswer is yes,	type or cor	nsolidation		
If answer i	is "no," list the	owners and trac	ct descripti	ons which have ac	tually been consolid:	ated. (Use reverse side of
	necessary.)	· · · · · · · · · · · · · · · · · · ·	·			
						munitization, unitization,
	ling, or otherwise)	or until a non-s	standard un	it, eliminating sucl	h interests, has been	approved by the Commis-
sion.	······································					
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		· · [		1	1 1	rein is true and complete to the
			:	1	best of m	y knowledge and belief.
	1. !		:	To other States		1 hlunde
					Name	omas A. Dugan
	1		•	Chille	Position	
		•	•	1017	13 1 1	esident
1				7 137	Company	gan Production Corp.
	1			DIL CON. CO	JAN. Date	
	• 1			OIL DIST. 3	3 / [[ <sup>50.18</sup>	6-6-79
<u> </u>		Sec. 10		Dist		111111111111111111111111111111111111111
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	ŀ	OIL CONS	ERVATION	DINITION Q-1	<sup>30</sup> ¬	-militare.
1	1	OIL CONS	SANTA FE		Date Survey	-
	i .			1		29, 1979
	1	1		1190	Heststered I	Profesiifonal Englineer I Surveyer
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<u> </u>						L. Risenbourer
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Form 9-331 (May 1963)		UNITED STAT	ES .	SUBMIT IN 1		Form app Budget B	proved. ureau No. 42-R1424
	DEPAR	TMENT OF THE		R verse side)		5. LEASE DESIGNAT	표 경우년
		GEOLOGICAL SI	JRVEY			NM 9520	TTEE OR TRIBE NAME
		OTICES AND RE PORGING TO GE TO GE TO THE PERMIT-			servoir.	0. 1. 1.01.1.1, 2000	
i.					· · · · · · · · · · · · · · · · · · ·	7. UNIT AGREEMENT	NAME
OIL GAS							
2. NAME OF OPERATO	)B					8. FARM OR LEASE	NAME T
Dugan	Production	n Corp.				E1wood	P. Dowd
3. ADDRESS OF OPER						9. WELL NO.	11 11 11 11 11 11
Box 2	34, Farming	oton, NM 87401		eta saguiramenta 9		#1 10. FIELD AND POOL	OR WILDCAT
See also space 17 At surface	below.)	cientif and in accordan	ice with any se	are reduitements.		Wildcat	
	0' FSL - 79	90' FEL				11. BEC., T., E., M., GRAVET OR A	DE BLK. AND
		,	ECE	IVED	<u> </u>	Section	10 T24N R9W
14. PERMIT NO.		15. ELEVATIONS (She	VGR JUN	1 1 1979		San Juai	
16.	Check /	Appropriate Box To	11/11	<del> 1</del> 0	Report, or C		
	NOTICE OF INT	ENTION TO:	OIL CONSER	ANTA FE	вовато	ENT REPORT OF	
TEST WATER SH	UT-OFF	PULL OR ALTER CASING	1 1 1	WATER SHUT-C	)FF	REPAIRIN	O WELL -
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BHOOT OR ACIDIZ	· <b>E</b> .	ABANDON*		BHOOTING OR	ACIDIZING	ABANDON	MENT*
REPAIR WELL		CHANGE PLANS	<u> </u>	(Other) (Nore: ]	Report results	of multiple completic	on on Well
17. DESCRIBE PROPOSE	D OR COMPLETED (	PERATIONS (Clearly statestionally drilled, give sul	all pertinent d	etails, and give pe	rtinent dates,	tion Report and Log including estimated depths for all mark	date of starting any
nent to this wor	rk.) •	cionally dimes, give but	Surrect Notes	o and meabared at			
D1	4- 4		1 - 41 - CL		•		
Plan	to deepen	well to 2750'	to the Cha	acra Format	ion.		
The o	casing proc	ram will remai	n the same	e as on the	Intent t	o Drill.	의 기 <b>개보</b> 일 왕 경화자료
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18. I hereby certify t	hat the foregoing	is true and correct	/ OIL	CON. COM.		F 1 1.7 1	* L j j h -
SIGNED	7.1.We	gan ,	Petro	Newm Engine	eer	_ DATE	6-1-79
(This space for E	Thomas A. Federal or State of	Dylan			<del></del>	<u> </u>	
(Anie space 10f F	LUCIAL OF STATE O	mice uses					
APPROVED BY			TITLE			DATE	

\*See Instructions on Reverse Side

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Form 9-331 (May 1963) DEPART	on) 1-Harvey 1-File UNITED STATES MENT OF THE INTER	SUBMIT IN TRIPLICA	
	GEOLOGICAL SURVEY	·	NM 9520
	ICES AND REPORTS sals to drill or to deepen or plug ATION FOR PERMIT—" for such p		6. IF INDIAN, ALLOTTES OR TRIBE NAME
i. OIL GAS X OTHER			7. UNIT AGREEMENT NAME TO THE TOTAL OF THE T
2. NAME OF OPERATOR	-		8. PARM OR LEASE HAME.
Dugan Production 3. ADDRESS OF OPERATOR	Corp.		El wood P. Dowd
Box 234, Farmingt	on. NM 87401	•	#1000
4. LOCATION OF WELL (Report location of See also space 17 below.)		State requirements.	10. FIELD AND POOL, OR WILDCAT
At surface 1190' FSL - 790	' FEL	·	Wildcat  11. SEC., T., E., M., OR BLE, AND SURVEY OR LARM
,			
14. PERNIT NO.	16. BLEVATIONS (Show whether DE	. RT. GR. etc.)	Section 10-T24N R9W
	6729' GR		San ซึ่งนี้ลัก
16. Check Ap	opropriate Box To Indicate N	lature of Notice, Report,	or Other Data = # # # # # # # # # # # # # # # # # #
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TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WILL
FRACTURE TREAT	MULTIPLE COMPLETE	PRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIES	ABANDON®	SHOOTING OR ACIDIZING	ABANDONMENT.
<b></b>	CHANGE PLANS	(Other) Surfa(	ults of multiple completion on Well
(Other)	PATIONS (Clearly state all portions	Completion or Rec	empletion Report and Log form.)
proposed work. If well is direction nent to this work.) *	onally drilled, give subsurface local	tions and measured and true ve	rtical depths for all markers and sones pertical
. 0 1:00	in and rigged up Wi ) p.m. Drlg to 69'. csg. TE 67.03' set o w/35 sx w/2% CaCl.	a 69' GR. Cement	ed to surface by
	·	• -	the interest of the control of the c
OIL CONSERVATION SANTA	ON DIVISION FE	troleum Engineer	Try and this size with transfer in in the body to entirely our control of the property of the
18. I hereby certify that the foregoing is	TITLE Pe	troleum Engineer	DATE = 5-31-79
Thomas A. Dugan	- No.)		
(This space for Federal or State offic	e use)		
APPROVED BY		2000	DATE SEE SEE

nynoce

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

Porm C-102 Supersedes C-12H Effective 1-1-65

All distances must be from the outer boundaries of the Section

Operator			1.0080		Well Ho.		
Dugan Production Corporation			Elwood P.	Dowd	1		
Unit Letter	Section .	Township	Hunge	County			
Р	10	24 North	9 West	San Juan			
Actual Footage Loc			700	C1	•		
1190 Ground Level Elev.	feet from the	South line and	790 (co	t from the East	Itne Dedicated Acreages		
_	1		Wildcat - PC	•	160 Active		
6729		d Cliffs		1 1 1	<u> </u>		
1. Outline in	e acreage dedicat	ted to the subject we	il by colored pencil o	r hachure marks on U	ie plat below.		
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).							
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?							
Yes	No If an	swer is "yes," type of	consolidation	·			
		owners and tract descr	iptions which have ac	tually been consolida	ated. (Use reverse side of		
	necessary.)	J so the	:		munitization, unitization,		
					approved by the Commis-		
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<u> </u>	-+	+	- ,	Name			
	i i		ì	Position	Richard Tully		
	1	•			Landman		
	MECEIV	/ED .	•	Company	Landian		
	-			Dugan	Production Corp.		
	M. MY 2.7	1370		Date			
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bearing lessend	b			ŧ	<b>-</b>		
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SUBMIT IN TRIPLICATE\*
(Other instructions on reverse side)

Form approved, Budget Bureau No. 42-R142

UNITED STATES
DEPARTMENT OF THE INTERIOR

30-045-23502

	DEI MILL	. 0	, L		5. LEASE DESIGNATION AND BERIAL NO.			
	NM 9520							
APPLICATION	6. IF INDIAN, ALLOTTER OR TRIBE NAME							
1a. TYPE OF WORK					<b>-</b>			
DRI	LL 🛛	DEEPEN [	PLUG B	ACK 🗌	7. UNIT AGREEMENT NAME			
b. TYPE OF WELL								
WELL W	ELL OTHER		BINGLE MUL	TIPLE .	8. FARM OR LEASE NAME			
2. NAME OF OPERATOR		٠.٠٠			Elwood P. Dowd			
Dugan Produ	ction Corp.	,~,			9. WELL NO.			
8. ADDRESS OF OPERATOR			` .		1 1			
Box 234, Fa	rmington, NM 8	37401			10. FIELD AND POOL, OR WILDCAT			
4. LOCATION OF WELL (R	eport location clearly and	in accordance with	any State requirements.*)	<del></del>	Wildret - Pinting O COL			
At surface	0' FSL - 790' F	FI			11. SEC., T., B., M., OR BLK.			
At proposed prod. son		Ļ <b>-</b>			AND SURVEY OR AREA			
At proposed prod. son	. <del>.</del>		•		Section 10 T24N R9W			
14. DISTANCE IN MILES	AND DIRECTION FROM NEA	REST TOWN OR POST	OFFICE*	i	12. COUNTY OR PARISH 18. STATE			
2 miles sout	theast of Blanco	Trading Pos	: <del>t</del>		San Juan NM			
15. DISTANCE FROM PROPO	SED*		6. NO. OF ACRES IN LEASE		OF ACRES ASSIGNED			
LOCATION TO REARRET PROPERTY OF LEARS LINE, FT. (Also to peace the unit line if any) 790			l i		160			
(Also to nearest drig	, duit libe, it kuy)		320 19. PROPOSED DEPTH	20 505	ART OR CABLE TOOLS			
TO NEAREST WELL, D	RILLING, COMPLETED,	ł T		20. 1012	19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
OR APPLIED FOR, ON THE		1100'	1875'		Rotary			
21. ELEVATIONS (Show who	ther DF, RT, GR, etc.)				22. APPROX. DATE WORK WILL START			
6729' GR					5-30-79			
23.	1	PROPOSED CASING	AND CEMENTING PROC	GRAM .				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER POO	T SETTING DEPTH		QUANTITY OF CEMENT			
7-3/4	5-1/2"	14#	401		10 sv			
4-3/4"	2-7/8"	6.4#	18751		100 sx			

Plan to drill 4-3/4" hole with air or minimum mud to 1400' to test Pictured Cliffs formation. If productive, plan to set 2-7/8" tbg for csg, selectively perforate, frac, cleanout after frac, run 1-1/4" tbg and complete well.

Do not pharto have blowout preventation division SANTA FE	while co	ompletingr	MAY 7 - 1979  U. S. GEOLOGICAL SUR FARMINGTON, N. M.	VEY	MAY 8 OIL CON. DIST.	MCO 3
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to drill or deepen directionally, give per preventer program, it any.	to deepen or rtinent data	plug back, givè on subsurface l	data on present productive so	ne and pr	oposed ar prod depths. Give b	owout
Victor Villy  Richard Tully	TITLE	Landman		DATE	5-4-79	
(This space for Federal or State office use)						in the
PERMIT NO.		APPROVAL DATE				
APPROVED BY	TITLE			DATE		
CONDITIONS OF APPROVAL, IF ANY:			An en Est.			

\*See Instructions On Reverse Side

NNIOCC

# BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION COMMISSION OF NEW MEXICO FOR THE PURPOSE OF CONSIDERING:

CASE NO. 5693 Order No. R-5359

APPLICATION OF JEROME P. McHUGH FOR DOWNHOLE COMMINGLING, SAN JUAN COUNTY, NEW MEXICO.

### ORDER OF THE COMMISSION

## BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on June 9, 1976, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 25th day of January, 1977, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

## FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Jerome P. McHugh, seeks an order authorizing the downhole commingling of Fruitland and Pictured Cliffs production in the well-bores of wells drilled anywhere within Townships 24 North through 28 North, Ranges 24 West through 28 West, NMPM, San Juan County, New Mexico, except that said commingling authority would not apply to lands included within the horizontal boundaries, as defined by the Commission, of that portion of the Ballard-Pictured Cliffs Pool, the Fulcher-Kutz Pictured Cliffs Pool or the West Kutz-Pictured Cliffs Pool lying within the above described townships and ranges, nor to lands not within the horizontal boundaries of said pools but within the horizontal boundaries of the Gallegos Canyon Unit Area.
- (3) That in portions of the area sought by applicant to be authorized for downhole commingling of Fruitland and Pictured Cliffs production, there appear to be marginal reserves of

hydrocarbon gas present in said formations; and that development of said reserves by production through single completions or even by dual completions in said formations is uneconomic.

- (4) That in portions of the area sought by applicant to be authorized for downhole commingling of Fruitland and Pictured Cliffs production, reservoir pressures in said formations appear to be virtually equal, and differential pressures between the formations of negligible magnitude.
- (5) That in the aforesaid areas of marginal reserves and virtually equal pressures, the downhole commingling of Fruitland and Pictured Cliffs production should result in the recovery of otherwise unrecoverable reserves of natural gas, and should be permitted through administrative approval by the Secretary-Director of the Commission upon a showing that a well is of low marginal productive capacity from both the Fruitland and Pictured Cliffs formations and that there is no substantial difference in the reservoir pressures of the two formations.
- (6) That of the lands sought by applicant for approval for downhole commingling of the Fruitland and Pictured Cliffs formations, it appears that the following described lands in San Juan County, New Mexico, meet the prerequisite conditions outlined in Findings Nos. (3) through (5) above, and should be authorized for administrative approval of such commingling:

TOWNSHIP 24 NORTH, RANGE 9 WEST, NMPM Sections 1 through 5: All Sections 10 through 14: All Section 24: All

TOWNSHIP 25 NORTH, RANGE 9 WEST, NMPM Sections 2 through 36: All

TOWNSHIP 25 NORTH, RANGE 10 WEST, NMPM Sections 1 through 18: All Sections 20 through 27: All Section 36: All

TOWNSHIP 25 NORTH, RANGE 11 WEST, NMPM Sections 1 through 6: All Section 7: N/2 Sections 8 through 13: All Section 14: N/2 Section 15: N/2

TOWNSHIP 25 NORTH, RANGE 12 WEST, NMPM

Sections 1 and 2: All

Section 3: N/2

Section 4: N/2

Section 12: N/2

TOWNSHIP 26 NORTH, RANGE 9 WEST, NMPM

Section 19: All

Section 28: SW/4

Section 29: S/2

Sections 30 through 33: All

TOWNSHIP 26 NORTH, RANGE 10 WEST, NMPM

Sections 19 through 36: All

TOWNSHIP 26 NORTH, RANGE 11 WEST, NMPM

Sections 5 through 8: All

Sections 13 through 36: All

TOWNSHIP 26 NORTH, RANGE 12 WEST, NMPM

Sections 1 through 30: All

Section 31: N/2

Sections 32 through 36: All

TOWNSHIP 26 NORTH, RANGE 13 WEST, NMPM

Sections 1 through 17: All

Section 18: N/2

Section 21: N/2

Sections 22 through 25: All

Section 26: N/2

TOWNSHIP 26 NORTH, RANGE 14 WEST, NMPM

Sections 1 through 3: All

Sections 11 and 12: All

TOWNSHIP 27 NORTH, RANGE 11 WEST, NMPM

Section 31: W/2

TOWNSHIP 27 NORTH, RANGE 12 WEST, NMPM

Section 17: S/2

Sections 18 through 21: All

Section 22: W/2

Section 25: W/2

Sections 26 through 36: All

TOWNSHIP 27 NORTH, RANGE 13 WEST, NMPM

Sections 4 through 11: All

Sections 13 through 36: All

TOWNSHIP 27 NORTH, RANGE 14 WEST, NMPM Sections 1 through 29: All Sections 33 through 36: All

TOWNSHIP 27 NORTH, RANGE 15 WEST, NMPM Sections 1 through 3: All Sections 11 through 13: All

TOWNSHIP 28 NORTH, RANGE 13 WEST, NMPM
Partial Sections 7 and 8: All
Sections 17 through 20: All
Section 28: S/2
Sections 29 through 33: All

TOWNSHIP 28 NORTH, RANGE 14 WEST, NMPM Partial Sections 7 through 12: All Sections 13 through 36: All

TOWNSHIP 28 NORTH, RANGE 15 WEST, NMPM Partial Sections 7 through 12: All Sections 13 through 29: All Sections 33 through 36: All

(7) That adoption of an administrative procedure for the approval of downhole commingling of Fruitland and Pictured Cliffs production in the above described area under the conditions outlined in Findings Nos. (3) through (5) above, should result in the recovery of otherwise unrecoverable hydrocarbons thereby preventing waste, will not impair correlative rights, and should be approved.

## IT IS THEREFORE ORDERED:

(1) That the Secretary-Director of the Commission is hereby authorized to approve commingling of Fruitland and Pictured Cliffs production in the wellbore of any well drilled in the following described area in San Juan County, New Mexico:

TOWNSHIP 24 NORTH, RANGE 9 WEST, NMPM Sections 1 through 5: All Sections 10 through 14: All Section 24: All

TOWNSHIP 25 NORTH, RANGE 9 WEST, NMPM Sections 2 through 36: All

TOWNSHIP 25 NORTH, RANGE 10 WEST, NMPM Sections 1 through 18: All Sections 20 through 27: All Section 36: All

TOWNSHIP 25 NORTH, RANGE 11 WEST, NMPM

Sections 1 through 6: All

Section 7: N/2

Sections 8 through 13: All

Section 14: N/2 Section 15: N/2

TOWNSHIP 25 NORTH, RANGE 12 WEST, NMPM

Sections 1 and 2: All

Section 3: N/2 Section 4: N/2 Section 12: N/2

TOWNSHIP 26 NORTH, RANGE 9 WEST, NMPM

Section 19: All

Section 28: SW/4

Section 29: S/2

Sections 30 through 33: All

TOWNSHIP 26 NORTH, RANGE 10 WEST, NMPM

Sections 19 through 36: All

TOWNSHIP 26 NORTH, RANGE 11 WEST, NMPM Sections 5 through 8: All

Section 13 through 36: All

TOWNSHIP 26 NORTH, RANGE 12 WEST, NMPM

Sections 1 through 30: All

Section 31: N/2

Sections 32 through 36: All

TOWNSHIP 26 NORTH, RANGE 13 WEST, NMPM

Sections 1 through 17: All

Section 18: N/2

Section 21: N/2

Sections 22 through 25: All

Section 26: N/2

TOWNSHIP 26 NORTH, RANGE 14 WEST, NMPM Sections 1 through 3: All

Sections 11 and 12: All

TOWNSHIP 27 NORTH, RANGE 11 WEST, NMPM

Section 31: W/2

TOWNSHIP 27 NORTH, RANGE 12 WEST, NMPM Section 17: S/2 Sections 18 through 21: A11

Section 22: W/2

Section 25: W/2

Sections 26 through 36: All

TOWNSHIP 27 NORTH, RANGE 13 WEST, NMPM Sections 4 through 11: All Sections 13 through 36: All

TOWNSHIP 27 NORTH, RANGE 14 WEST, NMPM Sections 1 through 29: All Sections 33 through 36: All

TOWNSHIP 27 NORTH, RANGE 15 WEST, NMPM Sections 1 through 3: All Sections 11 through 13: All

TOWNSHIP 28 NORTH, RANGE 13 WEST, NMPM Partial Sections 7 and 8: All Sections 17 through 20: All Section 28: S/2 Sections 29 through 33: All

TOWNSHIP 28 NORTH, RANGE 14 WEST, NMPM Partial Sections 7 through 12: All Sections 13 through 36: All

TOWNSHIP 28 NORTH, RANGE 15 WEST, NMPM Partial Sections 7 through 12: All Sections 13 through 29: All Sections 33 through 36: All

That to obtain approval for the downhole commingling of Fruitland and Pictured Cliffs production in the wellbore of any well completed in the aforedescribed area, the operator of said well shall file one copy of the request for such approval with the Secretary-Director of the Commission and one copy with the Supervisor of the Commission District Office at Aztec. Such request shall contain evidence as to the productivity or expected productivity of each of the aforesaid formations proposed to be commingled, as well as reservoir pressures encountered or expected to be encountered. In addition, data shall be submitted which will enable the Secretary-Director to prescribe an allocation formula for allocating production to each of the formations to be commingled.

- (3) The Secretary-Director of the Commission shall have authority to rescind downhole commingling authority granted for any well prior to its completion if data available upon completion of the well indicates greater than marginal production from either or both of the commingled formations or a pressure differential between the commingled formations which might cause waste.
- (4) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

PHIL R. LUCERO, Chairman

EMERY C ARNOLD, Member

JOE D. RAMEY, Member & Secretary

SEAL