ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

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



ADMINISTRATIVE APPLICATION CHECK!

1]		[SWD-Salt Water Disposal] [IPI-Inj diffied Enhanced Oil Recovery Certification PPLICATION - Check Those Which App	ı] [PPR-P	sure Increase] ositive Production Resp	
1]	[A]	Location - Spacing Unit - Simultaneous NSL NSP SD	• • •	MAY 2 0 2	002
	Check [B]	COne Only for [B] or [C] Commingling - Storage - Measurement DHC CTB PLC	PC [OLS 🛛 OLM	rendering of the second of the
	[C]	Injection - Disposal - Pressure Increase WFX PMX SWD		Oil Recovery EOR	
	[D]	Other: Specify			
2]	NOTIFICAT [A]	TION REQUIRED TO: - Check Those William Working, Royalty or Overriding Ro	1 1 0	11.5	
	[B]	Offset Operators, Leaseholders or S	urface Own	er	
	[C]	Application is One Which Requires	Published I	Legal Notice	
	[D]	Notification and/or Concurrent App U.S. Bureau of Land Management - Commissioner of P	proval by BL ublic Lands, State	M crStQ Land Office	
	[E]	For all of the above, Proof of Notifi	cation or Pu	iblication is Attached, an	d/or,
	[F]	Waivers are Attached	Notice. Will be	the only party certified return Sent to NMCCD	Receipt Co
3]	OT INDITO	CURATE AND COMPLETE INFORM ATION INDICATED ABOVE.			
4] pprop pplic	val is accurate a	TION: I hereby certify that the information and complete to the best of my knowledge equired information and notifications are so	I also unde	erstand that no action wi	administrative
	Note:	Statement must be completed by an individual w	ith manageria	l and/or supervisory capacity	ı.
D 4 -	John D. Roe	Signature D Roe	m: t	Engineering Manager	05/16/02
rint C	or Type Name	Signature	Title e-mai	dugan@cptnet.com	Date



dugan production corp.



May 22, 2002

Ms. Lori Wrotenbery New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, NM 87505

San Juan County, NM

Re:

Dugan Production's application dated 05/17/02 Surface commingling and off-lease measurement of natural gas Dugan Production's No Doubt No. 90 Pet Inc Gas Gathering System

Dear Ms. Wrotenbery,

Attached for your consideration in the captioned application is a copy of the return-receipt card from the BLM. Since all royalty interest is either Federal or Navajo Tribal, the BLM is the only interest owner requiring notice of the subject application. The BLM was provided with a copy, which at their discretion will be forwarded to the Navajo Nation. Dugan Production Corp. holds 100% of the working interest, and there are no over-riding royalty interest owners.

Should you have questions or need additional information, please let me know.

Sincerely,

John D. Roe

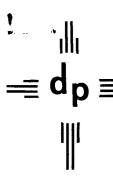
Engineering Manager

John D. Roe

JDR:sh

Attachment

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 1. Article Addressed to: Man. Attack Addressed to: Dureau of And Management January January Juled Office	A Received by (Please Print Clearly) B. Date of Delivery 5 /2 / 0 / 2 C. Signature Agent Addressee Addressee Addressee Addressee Addressee No
1235 & Plata Huy, Suite A Jarmington, NM 87401 2. Article Number (Copy from service label)	3. Service Type **Sign Certified Mail
7000 PS Form 3811, July 1999 Domestic Ret	1670 0010 0492 5/07 urn Receipt 102595-00-M-0952



dugan production corp.

May 17, 2002

Ms. Lori Wrotenbery New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, NM 87505 Mr. Steve Henke Bureau of Land Management-FFO 1235 La Plata Highway, Suite A Farmington, NM 87401

Re:

Proposed Surface Commingling and Off-Lease Measurement of Natural Gas

Dugan Production Corp.'s

No Doubt No. 90 (API No. 30-045-30781)

Dugan Production Corp.'s Pet Inc Gas Gathering System

San Juan County, New Mexico

Dear Ms. Wrotenbery and Mr. Henke:

We are writing to request your approvals for the surface commingling and off-lease measurement of natural gas produced from Dugan Production Corp.'s recently completed No Doubt No. 90. This well, located in the NWNE of Section 6, T-27N, R-13W, was completed on 04/11/02 in the Basin Fruitland Coal Pool and is located on Federal lease NM-89131. We are proposing to add the No Doubt No. 90 to Dugan Production's existing Pet Inc Gas Gathering System, which delivers natural gas to a central delivery sales (CDP) meter located in the SESW of Section 4, T-27N, R-13W (El Paso Meter No. 75470). In addition, we are requesting retroactive approval to move the CDP sales meter for the Pet Inc Gathering System from the NENW of Section 35, T-28N, R-14W to the SESW of Section 4, T-27N, R-13W.

Attachment No. 1 presents Dugan's Pet Inc Gas Gathering System, along with the wells connected, and proposed to be connected, to the system. In addition, Dugan Production's leasehold interest for these wells is also presented. Attachment No. 2 presents well and lease information for each of the wells connected to the gathering system, plus the one well proposed to be added. Attachment No. 3 presents the C-102's for each of the wells, along with the dedicated spacing units and associated leases. Attachment No. 4 presents the ownership for each of the wells, and Attachment No. 5 presents the proposed allocation procedures. Attachment No. 6 presents gas analyses believed to be representative of the gas to be surface commingled. Gas from wells on the Pet Inc Lease (which represents a mix of gas from the Ojo Fruitland Sand-Pictured Cliffs, plus the Basin Fruitland Coal) is presented on Page No. 1, and since a gas analysis is not available from the No Doubt No. 90, a gas sample from Dugan's Bengal C #90, located ± 8 miles to the southeast, is presented on Page No. 2 and is believed to be representative of the Basin Fruitland Coal completed in the No Doubt No. 90. It is our belief that these gases are compatible, and there will be no problems resulting from commingling.

Dugan Production is the operator and holds 100% of the working interest in all wells. Since the spacing units for each of the wells encompasses only Navajo or Federal leases, all royalty interest is represented by the Bureau of Land Management (BLM), and there are no over-riding royalty interest owners. Thus, the only notice requirement is to the BLM, which is receiving this letter by certified return receipt mail. Upon receiving the return receipt from the BLM, we will forward a copy to the New Mexico Oil Conservation Division (NMOCD) as proof of notice. We are sending an extra copy of this application to the BLM, which may be forwarded to the Navajo Nation for their review and file.

The Pet Inc Gas Gathering System was initially authorized by the USGS on February 10, 1967 to gather gas from three wells (two Gallup and one Dakota) operated by Dugan Production for delivery to El Paso Natural Gas at a CDP sales meter located in the NENW Section 35, T-28N, R-14W. (El Paso Meter No. 75470) (Attachment No. 7 presents a copy of this approval.) The Pet Inc Gathering System was initially known as the Raven Area Pipeline and served these three wells until the Raven No. 1 (NWNW 6, T-27N, R-14W) was P&A 01/22/69, and the Midwest No. 1 (SESE 31, T-28N, R-14W) was P&A 09/24/70. On October 10, 1972, the USGS approved the addition of several Pictured Cliffs wells located on Dugan's Pet Inc lease (Navajo Lease No. 14-20-603-2015) to the Pet Inc Gas Gathering System. (Attachment No. 8 presents a copy of the USGS approval.) The NMOCD also approved the operation of the Pet Inc Gas Gathering System on 12-19-72 with Order R-4453, which authorized the surface commingling and off-lease measurement of gas from one Gallup well (the Pet Inc #1 NWNW 6, T-28N, R14W), plus the Pictured Cliffs gas production from wells on Dugan's Pet Inc lease in Sections 25, 26, 35 and 36 in T-28N, R15W. (Attachment No. 9 presents a copy of NMOCD Order R-4453.) Thus, from August, 1973 (the date gas from Pictured Cliffs wells was first delivered) to the current time, the Pet Inc Gas Gathering System has delivered gas only from Dugan's Pet Inc lease (one Gallup well, plus sixteen wells completed in the Pictured Cliffs, Fruitland Sand and/or the Fruitland Coal pools). The CDP sales meter currently authorized is El Paso's meter No. 75470, which was initially located in the NENW of Section 35, T-28N, R-14W. This meter was connected to El Paso's high pressure gathering system, which routinely averaged 275psi and often approached 400psi. In order to produce wells on the Pet Inc lease, it was necessary to operate a 120hp two-stage compressor located on the lease, which provided a field gathering system pressure of 15 to 30psi. In the early part of 1993, Dugan Production was able to negotiate with El Paso to relocate the Pet Inc CDP sales meter from El Paso's high pressure system to El Paso's low pressure gathering system, which was being operated at 30 to 50psi. This entailed transferring ownership to Dugan Production for the section of El Paso's pipeline between the NENW of Section 35, T-28N, R-14W and the SWNW of Section 4, T-27N, R-13W. This section of line was then isolated from El Paso's high pressure system in the SWNW of Section 4, T-27N, R-13W, and Dugan Production laid approximately 3,000' of buried 3" line to connect the Pet Inc Gas Gathering System to El Paso's low pressure gathering system in the SESW of Section 4, T-27N, R-13W on the location of Dugan's Piney No. 1 well. The Piney No. 1 is located on Federal Lease No. NM-25454 and is directly connected to El Paso's low pressure gathering system (El Paso Meter No. 94383). The Piney No. 1 is not part of the Pet Inc Gathering System. Thus, on 02/19/93, gas from the Pet Inc Gathering System began delivery (using the same El Paso Meter No. 75470) into El Paso's low pressure gathering system at the new meter location in the SESW of Section 4, T-27N, R-13W. We inadvertently did not solicit approval for the new meter location and are now requesting approval from the NMOCD and BLM for the new meter location. Producing into El Paso's low pressure gathering system offers several benefits, with the primary benefits being that a smaller compressor could be used (reducing fuel requirements ± 21mcfd), and the field gathering system pressure was lowered from an average of 20psi to an average of 8psi. In addition, the average pressure in the ± 9 miles of pipeline between the Pet Inc lease compressor and the CDP sales meter was reduced from an average of 275psi to an average of 45psi.

The Pet Inc No. 1 Gallup completion was initially designated as the Ojo Gallup Gas Pool on 03/01/67, and the wells completed in the Pictured Cliffs were initially designated as the Oio Pictured Cliffs Gas Pool on 03/01/75. The Ojo Pictured Cliffs pool was re-designated as the Ojo Fruitland-Pictured Cliffs pool, and then as the Ojo Fruitland Sand-Pictured Cliffs gas pool upon establishing special pool rules for the Basin Fruitland Coal. Currently, the only Gallup completion (Pet Inc No. 1) is shut in with plans to plug and abandon the well bore. A total of nineteen Fruitland Sand-Pictured Cliffs and/or Basin Fruitland Coal wells have been drilled; however, only ten are currently active, averaging a total of ± 85 mcfd, (ranging from 0.2 to 30 mcfd per well). Three wells were never connected to the gathering system (Pet Inc No. 4, 8, and 19) and have been plugged, plus four of the wells connected have also been plugged (No. 6, 9, 15, and 18). In addition, one well (No. 11) is approved to be plugged, and one well (No. 13) is shut in as a second Fruitland Coal completion within a 320 acre spacing unit. Attachment No. 10 presents the production from all wells on the Pet Inc lease which have been completed in the Pictured Cliffs, Fruitland Sand, and Fruitland Coal. We did not present the production from the individual pools since all wells have been downhole commingled since completion in the early to mid-1970s, as authorized by NMOCD Order R-5359 on 01/25/77 (which authorizes the downhole commingling of Fruitland and Pictured Cliffs in 361.25 sections throughout the southwestern portion of the San Juan Basin). Production presented is from a total of 16 wells and 24 completions, since 8 of the wells have the Fruitland Coal interval completed. Upon establishing the Basin Fruitland Coal pool in 1988, it has been necessary to allocate production in these 8 wells between the Ojo Fruitland Sand-Pictured Cliffs and the Basin Fruitland Coal pools. The allocation factors being used are presented on Attachment No. 2 (Note No. 4). The current production rate for each well is presented on Attachment No. 2, and as can be seen, of the 10 wells currently producing, the average production is 8.5 mcfd/well, and only one well produces more than the marginal well rate of 15 mcfd. Although none of the wells produce significant daily volumes, production has been fairly steady and as of 02/01/02 a total of 1.6 billion cubic feet of gas have been produced (Reference Page 2 of Attachment No. 10 for individual well cumulatives.). The wells are all completed at depths of 350' to 850' and are within ± 2 miles of the strip mining operation of San Juan Coal at the Navajo Coal Mine. Attachment No. 11 presents the Gallup production from the Pet Inc No. 1. The Gallup production has been fairly good, but it appears that production has declined to a level that will not support anticipated remedial costs on the Pet Inc No. 1, and upon abandonment of the Pet Inc. No. 1, there will no longer be any production from the Gallup.

The No Doubt No. 90 was initially planned as an extension to the WAW Fruitland Sand-PC gas pool; however, upon drilling, it was decided to attempt a completion in the Fruitland Coal. Based upon initial testing, the well will require rod pump artificial lift and has produced \pm 50 mcfd. This is an area that has not been developed in the Fruitland Coal, and little information about productivity of the Fruitland Coal is available. We are anxious to get this well on production, and the Pet Inc Gathering System is within 1,500' of the well. El Paso's nearest line is \pm 5,500' to the southwest, and the No Doubt 90 does not qualify for a wellhead connection on El Paso's system.

To insure that gas volumes and revenues measured at the CDP sales meter are properly allocated to each lease, we plan to install and maintain conventional, continuous recording gas meters (Barton dry flow or equivalent) on each lease and will use a commercial integration service to integrate the individual charts each allocation period, which typically will be a calendar month. These volumes will then be used to determine allocation factors for each lease. Gas BTUs and revenues will be allocated from the CDP sales meter to each lease using allocation factors determined by applying gas heating values determined from gas samples taken from each lease to the volumes measured by each lease allocation meter. Attachment No. 5 presents the details of our proposed allocation procedures.

To insure the integrity of the Pet Inc Gas Gathering System, Dugan Production routinely surveys all pipelines of the Pet Inc Gas Gathering System (as we do on all of our gathering systems), using our portable gas detector. Should a leak be detected, we initiate repairs as soon as possible. Attachment No. 12 presents a sketch of the facilities on the Pet Inc lease and at the CDP sales meter.

In summary, Dugan Production Corp. is proposing to add one recently completed well to our existing Pet Inc Gas Gathering System. Dugan Production is the operator of all wells and operates the Pet Inc Gas Gathering System. This will allow the No Doubt No. 90 to be produced and should have no affect upon the Pet Inc wells. All wells are considered to be fairly low volume producers; however, hopefully they will have long producing lives and will develop significant gas reserves. (The Pet Inc wells all produce less than 30 mcfd per well, and the No Doubt No. 90 has tested ± 50 mcfd.) All gas volumes, BTU's, and revenues will be allocated from the CDP to the individual leases, using allocation factors determined from gas volumes recorded by allocation meters located on each lease, and BTU's determined for each lease. This should help to insure that the proposed surface commingling and off-lease measurement will not diminish the production value for either of the leases.

Should you have questions or need additional information, please let me know.

Sincerely,

John D. Roe

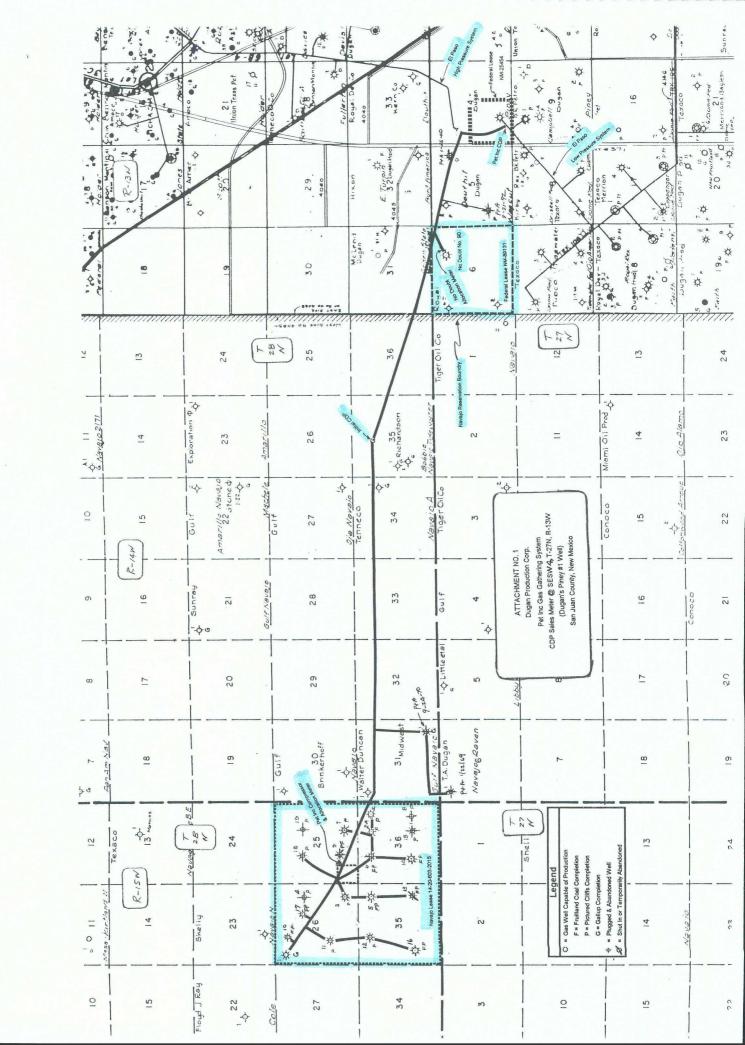
Engineering Manager

John D. Roce

JDR:sh

xc: NMOCD-Aztec

Navajo Nation via the BLM



DUGAN PRODUCTION CORP. ATTACHMENT NO. 2

PET INC GAS GATHERING SYSTEM AND CDP

CDP Sales Meter @ N-4-T27N-R13W (El Paso Meter No. 75470)

SAN JUAN COUNTY, NEW MEXICO

	API No.	Well Location	Well L	Well Location	S.		Completion		Current Prod.	Θ	Spacing	Date of First
Well Name	30-045-	UL-Sec-Twn-Rng	Lease No.	Lse.Type	Number	Pool	Date	MCFD	BC/D	BW/D	Unit	Delivery
WELLS APPROVED FOR CDP, 7:	dal. e.			A TOTAL SAID			2 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			\$ 1 1	Specific Commence	
Pet Inc. 1 (Note 2)	07235	D-26-28N-15W	14206032015	Navajo	N/A	OJO GALLUP	11/09/61	0	0	0	NW/4 - 160A	12/29/66
Pet Inc. 2	20735	A-36-28N-15W	14206032015	Navajo	N/A	OJO FRUITLAND SAND PC	04/20/71	11.2	0	0.01	NE/4 - 160A	08/21/73
Pet luc 2A	21741	B-36-28N-15W	14206032015	Navájo	٧/ <u>٧</u>	OJO FRUITLAND SAND PC	04/18/75	0.4	0	0.01	NE/4 - 160A	05/02/75
Petinc. 3	20940	P-26-28N-15W	14206032015	Navajo	N/A	OJO FRUITLAND SAND PC	06/09/72	6.5	0	0.01	SE/4 - 160A	08/21/73
Pet Inc. 4 - P&A (Note 3)	21059	H-26-28N-15W	14206032015	Navajo	A/N	OJO FRUITLAND SAND PC	10/11/72	1	!		NE/4 - 160A	1
Pet Inc. 5 FC/PC (Note 4)	21060	A-35-28N-15W	14206032015	Navajo	N/A	BASIN FR COAL/OJO FR SAND PC	10/11/72	8.5	0	0.01	(Note 4)	08/21/73
Pet Inc. 6 FC/PC - P&A (Note 3)	21061	C-36-28N-15W	14206032015	Navajo	NA	BASIN FR COAL/OJO FR SAND PC	10/14/72	1	:	446	(Note 4)	08/21/73
Pet Inc. 7	21062	0-25-28N-15W	14206032015	Navajo	Α¥	OJO FRUITLAND SAND PC	10/24/72	29.9	0	0.01	SE/4 - 160A	08/21/73
Pet Inc 8 - P&A (Note 3)	21739	I-36-28N-15W	14206032015	Navajo	Α'n	OJO FRUITLAND SAND PC	04/15/75	1	:		SE/4 - 160A	1
Pet Inc. 9 FC/PC - P&A (Note 3 & 4)	21740	N-25-28N-15W	14206032015	Navajo	N/A	BASIN FR COAL/OJO FR SAND PC	04/23/75			-	120A NSPU (Note 5)	05/02/75
Pet Inc. 10 FC/PC (Note 4)	22551	C-26-28N-15W	14206032015	Navajo	N/A	BASIN FR COAL/OJO FR SAND PC	06/11/77	7.4	0	0.01	(Note 4)	08/13/77
Pet Inc. 11 (Note 3)	22553	K-26-28N-15W	14206032015	Navajo	N/A	OJO FRUITLAND SAND PC	07/23/77	0	0	0	SW/4 - 160A	08/15/77
Pet Inc. 12	22554	C-35-28N-15W	14206032015	Navajo	N/A	OJO FRUITLAND SAND PC	08/15/77	0.9	0	0	NW/4 - 160A	08/22/77
Pet Inc. 13 FC/PC (Note 4 & 6)	22555	I-35-28N-15W	14206032015	Navajo	N/A	BASIN FR COAL/OJO FR SAND PC	07/23/77	0	0	0	(Note 4)	08/25/77
Pet Inc. 14 FC/PC (Note 4)	22558	K-36-28N-15W	14206032015	Navajo	A/A	BASIN FR COAL/OJO FR SAND PC	08/15/77	0.2	0	0.01	(Note 4)	09/15/77
Pet Inc 15 FC/PC - P&A (Note 3 & 4)	22557	J-36-28N-15W	14206032015	Navajo	V/N	BASIN FR COAL/OJO FR SAND PC	07/18/77		-		(Note 4).	09/23/77
Pet Inc. 16 FC/PC (Note 4)	25400	L-35-28N-15W	14206032015	Navajo	N/A	BASIN FR COAL/OJO FR SAND PC	06/22/82	9.0	0	0.03	(Note 4)	11/29/82
Pet Inc. 17 FC/PC (Note 4)	22552	G-26-28N-15W	14206032015	Navajo	A/N	BASIN FR COAL/OJO FR SAND PC	06/14/77	13.6	0	0.01	(Note 4)	08/13/77
Pet Inc. 18 - P&A (Note 3)	22549	F-25-28N-15W	14206032015	Navajo	N/A	OJO FRUITLAND SAND PC	07/23/77		-		NW/4 - 160A	08/16/77
Pet Inc 19 - P&A (Note 3)	25399	G-25-28N-15W	14206032015	Navajo	N/A	OJO FRUITLAND SAND PC	06/22/82	:	-		NE/4 - 160A	1
WELLS TO BE ADDED TO SYSTEM AND	and by Section of the second	おいていいれぬてい やっこつ	一二十五番の名響	1. 四十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二	1	。2016年1月1日 - 1916年1月1日 - 1916年1月1日 - 1916年1日	The state of the state of			the second	may in a finish the management of the comment of the comment	·
No Doubt 90	30781	B-6-27N-13W	NM 89131	Federal	N/A	BASIN FR COAL	04/11/02	20	0	90	E/2 - 320A	:

N/A - Not applicable or not needed. Notes:

1. Current production data represents daily average for 11/01 and 12/01. Rates for No Doubt 90 represent initial test. For wells downhole commingled, production represents total from both zones.
2. Well is currently shut in with plans to P&A. The Gallup last produced 01/98 @ ± 20 mcfd and 0.4 BOPD. Cumulative production = 793.7 mmcf and 6,160 bbl. condensate + 467 bbl. water.

	Production	inent	Water	ppj.	0	5409	0	0	0	0	0	0
abandonment	Cum. Wellbore Production	at Abandoninent	Gas	mcf	0	93016	0	76895	37951	34007	52873	0
3. Wells plugged and abandoned or approved for abandonment				Date P&A	04/29/86	03/14/02	04/15/75	03/14/02	Proposed P&A	10/24/91	03/14/02	04/29/86
3. Wells p				Well	4	9	8	6	11	15	18	19

4	Wells downhole (Rule 12 & 13),	 Wells downhole commingled - NMOCD Order R-5359 dated 01/25/77 & R-8768 (Rule 12 & 13), plus R-8769 both dated 10/17/88. 	OCD Order R-538 ated 10/17/88.	59 dated 01/25/7	7 & R-8768
1		Allocation Factor	Factor	Spacing Unit	g Unit
	Well	Fruitland Coal	Pictured Cliffs	Fruitland Coal Pictured Cliffs	Pictured Cliffs
	5	47	53	E/2 - 320A	NE/4 - 160A
	+9	46	54	N/2 - 320A	NW/4 - 160A
	6 ′	63	37	(Note 5)	(Note 5)
	10+	48	52	W/2 - 320A	NW/4 - 160A
	13+	25	43	E/2 - 320A	SE/4 - 160A
	14	50	50	S/2 - 320A	SW/4 - 160A
	15+	•	•	S/2 - 320A	SE/4 - 160A
	16	52	48	W/2 - 320A	SW/4 - 160A
١.	17	64	98	E/2 - 320A	NE/4 - 160A

No allocation factors determined as well was P&A at time the application for downhole

ormaningling factors was prepared.

+ Fruitland Coal Completion existed at time of special Pool rules and NSL was approved under

+ Fruitland Coal Completion existed at time of special Pool rules and NSL was approved under

Order No. (4) of Special Pool Rules (NMOCD Order R-6768).

5. 120 acre NSPU for Pet Inc No. 9 authorized by NSP - 992 dated 04/11/75 consisting of N/2 SW/4 plus SESW.
6. Well is shut in as the second well in the E/2 spacing unit with plans for long-term shut in pending 160A infill approval for Fruitland Coal. Wellbore potential = 4.5 mcfd + .03 BWPD.

WU I HEREITHOUR I A ALLE

330 560

190 1329 1650 1980, 2310 2640

I MEXICO OIL CONSERVATION COMMIS WELL LOCATION AND ACREAGE DEDICATION PLAT

Attachment No. 3

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

All distances must be from the outer boundaries of the Section.

Pg. 1 of 30

Operator	A 70 -			Lease	Pet. Inc.			Well No.	
Unit Letter	mas A. Dugan	Township		Rom		County	·		
D	26	Township	28 North		15 West	,	San J	<u>fuan</u>	<u></u>
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Ground Level Elev:	Producing For			Pool	0+0 6=1	114 P		Dedicated Acreage:	
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Yes	No If an	swer is "	yes," type of	consol	idation				
	s "no," list the o	wners and	d tract descr	iptions	which have ac	tually be	en consolida	ated. (Use reverse side	e of
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Lse #	14-20-603-201	5			1		1/	12/67	
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	. }				l 1				
							Certificate No),	

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

<u>DISTRICT I</u> P.O. Box 1980, Hobbs, NM 88240

State of New Mexico

OIL CONSERVATION DIVISION

Energy, Minerals and Natural Resources Department

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

Form C-102 Revised 1-1-89

Nc. 3 Pg. 2 of 30

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

					TT -===					TWAIT KIE	
Operator					Lease	T. 10				Well No.	
OUGAN PRO		CORP.				INC.			County	<u> </u>	
Unit Letter	Section		Township		Range						
Α	<u> </u>		28 Nor	th	15	West		NMPN	(San Ju	ıan	
Actual Footage Loc	cation of Well				70	-			·		
790 	feet from the	YC	North	line and	79		fe	et from	ithe East	line	
Ground level Elev.	}	Producing	Formation		Pool				*	Dedicated Ac	reage:
57221			and Sand f				d Sand PC	<u> </u>		160	Acres
			to the subject we	_				o worki	ing interest and i	royalty).	
unitiza	ition, force-po Yes	oling, etc.?	rent ownership is No If an and tract descript	swer is "yes" typ	e of consolida	tion				unitization,	
	if necessary.		and tract descript	lous which have	activity occi	COMBOLICATION	L (Use leverse	NUE U			
			the well until all	interests have be	en consolidate	d (by comm	unitization, un	itization	, forced-pooling	, or otherwise))
			nating such inter								
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NE XICO OIL CONSÉRVATION COMMISSIC WELL LUCATION AND ACREAGE DEDICATION PLAT

Attachment No. 3

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

All distances must be from the outer boundaries of the Section.

Pg. 3 of 30

Bugan Pr	roduction Corp	noration	Leas	Pet.	Lnc			Well No.
Unit Letter	Section	Township		Range	County			
В	36	28 North		15 West	Sa	in Juan		
Aztual Footage Loc								
790	rest nom me	orth line a			et from the	East	, 	line
Ground Lyvel Elev. 5699	Fruitlan		Pecl	io Fruitland	Sand [o c	Dedica	ted Acresse:
. 1. Outline the	e acreage dedica	ted to the subject	well by	colored pencil (or machur	e marks on t	ie plat	below.
interest an	id royalty).			`				(both as to working
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	•	d to the well until	all inter	ests have been o	onsolida	ited (by com	munitiz	ation, unitization.
		or until a non-stand						
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•	j.		,,,,,,	Production 4-20-603-201		Geolog	<u>ist</u>	
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	i j			1		Registered Promotion Land S		al Engineer
	1			l Í	1		•	,
				1		E. V.		
						Cemilicate No		
330 660 90	1320 1650 1980	2310 2540 200	0 150	0 1000 500	0		E.V.	Echohawk LS

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

<u>DISTRICT I</u>
P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION

P.O. Box 2088

State of New Mexico

Energy, Minerals and Natural Resources Department

Santa Fe, New Mexico 87504-2088

Attachment No. 3 Pg. 4 of 30

Form C-102 Revised 1-1-89

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

Operator					Lease					Well No.	
DUGAN PRO	DOUCT	ION COR	۴.		PET I	vc.				3	
Una Letter	Section	a	Township		Range			C	ounty		
P		26	28 No	rth	15 1	West	NM	M	Sa	n Juan	
Actual Footage Loc	ation of	Well:									
790	feet fr	om the	South	line and	790		feet fro	m the	East		
Ground level Elev.	}	Producir	g Formation		Pool					Dedicated Act	reage:
56061			land Sand			uitland Sa				160	Acres
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			s and tract descrip	tions which have	actually been	consolidated. (Us	se reverse side	of .			•
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Attachment No. 3 Pg. 5 of 30

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACERAGE DEDICATION PLAT

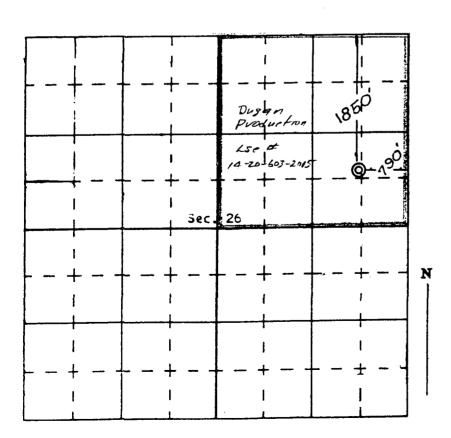
		All distances must be fr	om the outer boundarie	s of the Section	# 4
Operator			Lease		Well No.
Dudan	Production C	orporation	Pet, In	С,	•
Unit Letter	Section	Township	Range	County	
н	26	i 28 North	15 West	San Juan	
Actual Footage Loc	ation of Well:		,		
1850	feet from the	North line and	790 f	et from the East	line
Ground Level Elev.	Producing F	ormation	Pool Oso	Fruitland Sand-	Dedicated Avereage:
5589	Pictu	red Cliffs	-Wildcat	- Portured Cliffs.	160 Acres
	one lease of d	ifferent ownership is dedic n, force-pooling. etc?	ated to the well, h	ave the interests of all	owners been consolidated
() Yes () No If	answer is "yes," type of c	consolidation		
If answer is "r		rs and tract descriptions w	hich have actually	consolidated. (Use rev	erse side of this form if
	-	the well until all interests non standard unit, elimina		•	•

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Original signed by T. A. Dugan Name Thomas A. Dugan Position Engineer Company Dugan Production Corporation STINEW Cvisil location si ras plotted from field notes of actual surveys which be the or under my supervision, my supervision, my surveys which same is true and correct to the best of my surveys does and belief. January 13, 1970 Registered Professional Engineer and/or-Land Surveyor

Certificate No. 3602

E. V. Echohawk LS



Attachment No. 3

Pg. 6 of 30

NEW MEXICO OIL

WELL LOCATION AND ACERAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Saction

Operator			Lease		Well No.	
Dugan Prod	uction Corpor	ration	Pet. !	nc.		5
Unit Letter	Section	Township	Range	County		
Α	35	28 North	15 West	San Ju	uan	
Actual Footage Loca	ation of Well:			1		
790	feet from the No	orth line and	790	feet from the Eas	It line	
Ground Level Elev.	Producing Fo	ormation	Poai		Dedicated Avereage	:
5621	Picture	d Cliffs	Ojo FR Sand-	PC	160	Acres
2. If more that interest and roy3. If more that by communitize	n one lease is de ralty), n one lease of dif ation, unitization,	I to the subject well by a dicated to the well, ou iferent ownership is dec force-pooling, etc? inswer is "yes," type of	itline each and iden	tify the ownership have the interests	thereof (both as to	-
necessary.) No allowable wi	II be assigned to t	and tract descriptions the well until all interes ton standard unit, elimi	ts have been consoli	dated (by commu	ınitization, unitization,	***************************************

CERTIFICATION

I hereby certify that the information contained

hereix is true and complete to the best of my knowledge and Belief. Jim L. Jacobs Position Dugan Prod. Geologist 14-20-603-2015 Company Dugan Production Corp. Date 11-30-88 Sec. surveys made by me or under my supervision, and that the semi of free and correct to the best of my knowledge and belief.

Date Surveyedations N January 13, 1970 Registered Professional Engineer and/or-Land Surveyor

> Certificate No. 3602 E. V. Echohawk, LS

No. 3 Pg. 7 of 30

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACERAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

Operator				Lease			· · · · · · · · · · · · · · · · · · ·	Well No.	
Dugan Prod	luction Cor	poration			Pet. In	c.			5
Unit Letter	Section	Township		Range		County			
A	35	28	North	15	West	S	an Juan		
Actual Footage Loc	ation of Well:								
790	feet from the	North	line and	790	fe∈	et from the	East	line	
Ground Level Elev.	Producing	Formation	1	Pool :	·			Dedicated Avereage	:
5621	Fruit	land Coal		Basin F	ruitland	d Coal	!	320	A cr-
3. If more that by communities	n one lease is alty), n one lease of ation, unitizati	dedicated to different own on, force-pool	the well, outli ership is dedic ing. etc?	ine each a	nd identif e well, ha	fy the own	ership therec	of (both as to whers been con	solidated
If answer is "no necessary.)	o," list the own	ners and tract	descriptions w	hich have	actually consolida	consolidate	d. (Use reve	rse side of this	Form if

DPC | Lease | 14-20-603-2015 | N

CERTIFICATION

I hereby certify that the information contain
hereist is true and complete to the best of i
knowledge and belief.
Jan & Jank
Name
Jim L. Jacobs
Position
Geologist
Dugan Production Corp.
Date 4-14-89
OF NEW A Pereby certify that the well location shown o
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the plat Bast plotted from tield notes of actue
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that the same is free and correct to the best of many includes and belief. Date Surveyed Williams
Date Sunleyed HILLS
<u>January 13, 1970</u>
Registered Professional Engineer

Certificate No. 3602
E. V. Echohawk, LS

and/or-Land Surveyor

Attachment No. 3 Pg. 8 of 30

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACERAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

Operator				Lease		•		Well N	ło.
Dugan Produc	tion Corpor	ation		Pet. Inc.					6
Unit Letter	Section	Township		Range	JC	ounty			
C	36	28 No	rth	15 West	<u>.</u>	San	Juan		
Actual Footage Loca	ation of Well:								
790	feet from the	North	line and	1850	feet t	rom the	West	line	
Ground Level Elev.	Producing	Formation		Pool				Dedicated Avere	oge;
5658	Pictu	red_Cliffs		Ojo FR San	d-PC		•	10	60 Acres
interest and roy	alty), n one lease of c ition, unitization	lifferent owne n, force-poolin	rship is dedic ng. etc?	line each and id cated to the well consolidation	l, have	the inte	rests of all c		
If answer is "no necessary.)		rs and tract o	descriptions v	vhich have actu	ally cor	nsolidate	d. (Use reve	erse side of t	his form if
No allowable will pooling, or other	ll be assigned to wise) or until a	the well until non standard	all interests unit, elimino	have been consisting such interes	solidated ests, ha	d (by c s been a	ommunitizati pproved by ti	on, unitizatio he Commissio	on, forced- in.

CERTIFICATION

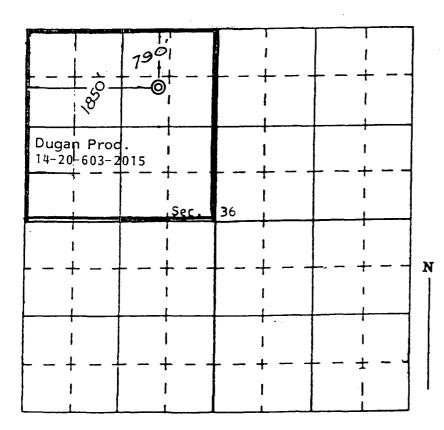
I hereby certify that the information contained is true and complete to the best of my knowledge and belief. Jim_L Jacobs Position Geologist Company Dugan Production Corp. Date 11-30-88 Descript that the well in plat L. I Frankant the some is true and correct to the best of my knowledge and belief.

ED LAND SUPERIOR Date Surveyed Date Surreyed Janaury 13, 1970 Registered Professional Engineer and/or Land Surveyor

6

Certificate No. 3602

E. V. Echohawk, L. S.



Attachment No. 3 Pg. 9 of 30

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACERAGE DEDICATION PLAT

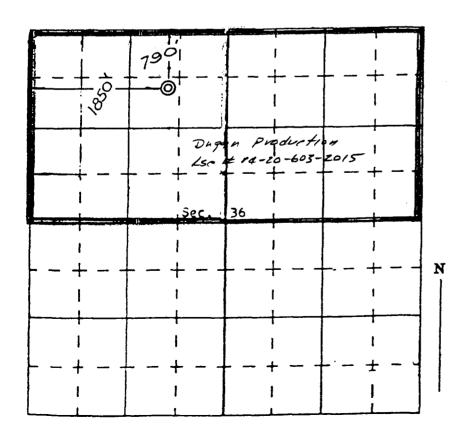
All distances must be from the outer boundaries of the Section Operator Lense Well No. Pet. Inc. 6 Dugan Production Corporation Unit Letter Section Township Ranae County 15 West San Juan 28 North Actual Footage Location of Well: feet from the line and 1850 feet from the 790 West North Ground Level Elev. Producing Formation Pool Dedicated Avereage: Basin Fruitland Coal Fruitland Coal 5658 Acres

1. Outline the acerage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty), 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? If answer is "yes," type of consolidation) Yes () No If answer is "no," list the owners and tract descriptions which have actually consolidated. (Use reverse side of this form if No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forcedpooling, or otherwise) or until a non standard unit, eliminating such interests, has been approved by the Commission.

CERTIFICATION

I hereby certify that the information contained hereist is true and complete to the best of m ∕Jim L. Jacob∕s Position . Geologist Company Dugan Production Corp. Date 4-14-89 EREO LAND SY The Later Janaury 13, 1970 Registered Professional Engineer and/or-Land Surveyor

Certificate No. 3602 E. V. Echohawk, L.



Attachment No. 3 Pg. 10 of 30

WELL LOCATION AND ACERAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

Operator				Lease					Well No.	
Dugan Pro	duction Cor	poration		Pet. Inc.					7	
Unit Letter	Section	Township		Range		County				
X O	25	28 No	orth	15	West	San	Juan			
Actual Footage Loc	ation of Well:					,				
790	feet from the	South	line and	1750	fee	t from the	East	lig	ne	
Ground Level Elev.	Producing	Formation		Pool 0	to Fnitt	and Jond	1-20	Dedicate	d Avereage:	
5709	Р	ictured CI	iffs		-Wilde		7	!	160	Acres
interest and rog 3. If more that by communitize	yalty), in one lease of ation, unitization	different owne on, force-pooli	ership is dedi ing. etc?	icated to the	e well, hav	ve the inte	erests of c	all owners	been consol	idated
() Yes () No I	f answer is "y	es," type of	consolidation	ı	***************************************			•••••••	••••••
If answer is "n necessary.)	o," list the own	ers and tract	descriptions	which have	actually (consolidate	ed. (Use i	reverse sic	de of this f	orm if
	rill be assigned t erwise) or until (orced-

Sec.

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CERTIFICATION

. •	I hereby certify that the information contained herein is true and complete to the best of my
\neg	knowledge and belief.
	Original signed by T. A. Dugan
- 1	Name
1	Thomas A. Dugan
1	Position
_	Engineer
	Company
. 4	Dugan Production Corporation Date
	9-29-72
N N	NEW location shown on the location shown on
-	January 13 1070
	January 13, 1970 Registered Professional Engineer
	and/or-Land Surveyor
	• • • • • • • •

Certificate No. 3602

E. V. Echohawk, L. 3.

N' MEXICO OIL CONSERVATION COMMISSI WELL LOCATION AND ACREAGE DEDICATION PLAT

Attachment
No. 3
Pg. 11 of 30

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

Chetator			Lease				Well No.
Dugan Pr	oduction Cor	poration		Pet	t. Inc.		8
Unit Letter	Section	Township	Range		County		
I	36	28 Nort	h 1	5 West	San	Juan	
Actual Footage Loc							·
1850	feet from the	South lin	e and 790	fee	et from the	East	line
Ground Level Elev.	Producing For			Frm. Hand			edicated Acreage:
5743	Picto	ured Cliffs		esignated		_	160 Acres
							· · · · · · · · · · · · · · · · · · ·
. I. Outline the	e acreage dedica	ted to the subje	ct well by colo	rea pencii o	or nachure	marks on the	plat below.
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		dedicated to the	well, outline e	ach and ide	entity the c	wnership ther	reof (both as to working
interest an	id royalty).						
				to the well,	have the i	nterests of a	ll owners been consoli-
dated by c	ommunitization, u	ınitization, force-	pooling.etc?				
				_			
Yes	No If an	nswer is "yes;" t	ype of consolida	ation			
		-					
		owners and tract	descriptions wh	nich have ac	ctually bee	n consolidate	d. (Use reverse side of
	necessary.)						
No allowab	le will be assign	ed to the well unt	il all interests	have been c	consolidate	ed (by commu	nitization, unitization,
forced-pool	ing, or otherwise)	or until a non-sta	ındard unit, elim	ninating suc	h interests	s, has been ar	oproved by the Commis-
sion.						•	•
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NE MEXICO OIL CONSERVATION COMMISSI WELL LOCATION AND ACREAGE DEDICATION PLAT

Attachment No. 3 Pg. 12 of 30

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

		All distances must be in	om the outer boundaries o	r the Section.						
Cherator Dugan Pi	roduction Cor	poration	Pet.	Well No.						
Unit Letter	Section	Township	Range	County	_					
N	25	28 North	15 West	San Juai	1					
Actual Footage Loc	_	outh 15 -1	1850 te	et from the West						
Ground Level Elev.	feet from the S	outh line and	Pool 16	et from the WES1	Dedicated Acreage:					
5665	Picture	d Cliffs	Ojo FR Sand-P	C	* 120 Acres					
. 1. Outline the	e acreage dedica	ted to the subject we	ll by colored pencil	or hachure marks	on the plat below.					
	2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).									
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling.etc?										
Yes	☐ No If a	nswer is "yes," type of	consolidation	. 						
	s "no," list the	owners and tract descr	iptions which have a	ctually been cons	solidated. (Use reverse side of					
forced-pool	ing, or otherwise)	or until a non-standard	unit, eliminating suc	ch interests, has	communitization, unitization, been approved by the Commis-					
sion.*Ord	ler NSP-992 (4-11-75) approve	s 120 acres for (Dio PC.						
	ı		ļ		CERTIFICATION					
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	!		i	I he	reby certify that the information con-					
	i t		i .		ed herein is true and complete to the					
	1	*	1	besi	of my knowledge and belief.					
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	-+			Jim	L. Jacobs					
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	1		*	Compa						
	i		į	Dug	an Production Corp.					
	i		1 	Date						
	l l	SEC 25	ļ		20-88 LAND Seby certify that the men location and on this plat was ployed from field					
Dugan Pro	od. 14-20-60				WILL TE STILL					
Dagan	1	3 20.3	1		reby conty That the well location					
	1			2160	nor this plat was ployed from field					
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>>°	Ĭ		1	Date Su	by and correct to the best of my beddend be lieft.					
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			1	and/or	Land Surveyor					
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				Certific	ate No. 3602					
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MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

No. 3

Form C-102 Supersedes C-128 Effective 14-65

Attachment Pa. 13 of 30

		All dist	ances must be f	rom t	he outer	boundaries	of the	Section	·	<u> </u>	<u> </u>
Operator Dugan F	roduction Cor	poration	n	Lea	se	Pet.	l nc	•			Well No.
Unit Letter	Section	Township			Range	W		unty	<u> </u>		
N Actual Footage Lo	25	28	North		1	5 West		Sa	n Juan		
1150		outh	line and	1.8	350		feet from	n the	West		line
Ground Level Elev.	. Producing For	mation		Pool	1					Dedic	ated Acreage:
5665	Fruitlan	d Coal		Ва	sin-F	ruitlan	ф Co	a <u>i</u>			*120 Acres
. 1. Outline th	ne acreage dedica	ted to the	subject we	ll b	y colo	ed pencil	l or ha	chure	marks o	n the pla	t below.
	han one lease is nd royalty).	dedicated	to the well	, ou	tline e	ach and i	dentify	y the	ownershi	p thereof	f (both as to working
	communitization, u	nitization		ng. e	tc?		l, have	the the	interests	of all o	wners been consoli-
les	∐ 140 , it an	iswei is	yes, type of	Con	isoma			,			
If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization,											
_											ved by the Commis-
	der NSP-992 (s 1	<u>20 ac</u>	res for	Ojo	PC.	Appli	cation	for NSP being
pro	cessed for Bas	sin-FR (Coal Pool.		1		· · · · · · · · · · · · · · · · · · ·			CERT	TIFICATION
				•	1				tained	herein is t	hat the information con- true and complete to the edge and belief.
	+	+		– –	- -			_/	Name Jim L	Jacó	//
	1				1				Position Geolo	gist	
	 				1				Company Duga		uction Corp.
										- 88	
		SEC	25				····			LA LA	MA
Dugan Prod		3-2015							Those of	on inis plat f Dengs y supersipi	That he we'd location was ployed from field Mays made be me or jon, and that the same of too had been of my in the had been of my in the had been of my in the had been of my in the had been of my in the had been of my in the had been of my in the had been of my in the had been of my in the had been of my in the had been of my in the had been of my in the had been of my in the had been on the had been of my in the had been of my in the had been on the had bee
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# N MEXICO OIL CONSERVATION COMMISSI WELL LOCATION AND ACREAGE DEDICATION PLAT

Attachment No. 3

Pg. 14 of 30

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

		The distances mast oc in	ar die outer of the control of		<del></del>					
Operator			Well No.							
	uction Corpor		<del></del>	Inc						
Unit Letter	Section	Township	Range	County						
C	26	28 North	15 West	San Juan						
Actual Footage Loc										
790 • Ground Level Elev.	feet from the	North line and		t from the West	line Dedicated Acreage:					
5555		ed Cliffs	Pool Ojo FR Sand-I	PC PC	160					
	<u>-</u>				Acres					
1. Outline the	e acreage dedica	ted to the subject wel	l by colored pencil o	r hachure marks on	the plat below.					
2. If more th interest an	<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>									
dated by communitization, unitization, force-pooling.etc?										
Yes Yes	No If an	swer is "yes," type of	consolidation		·					
If anower:	s "no" list the	wners and tract descri	ntions which have as	tually been consoli-	dated. (Use reverse side of					
	necessary.)	micis and tract descri	Prions which have ac		rated. (Ose leverse side of					
	•	d to the well until all i	nterests have been c	onsolidated (by co	mmunitization, unitization,					
					n approved by the Commis-					
sion.	0.	· .	,	,	rt					
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Dugan Prod	i.   14-20-60	3-2015	ł 1		. Jacobs					
Dugan 1100	1. 14 20 00	3 2013		Position	aist.					
11	' 		1.	Geolo	gist					
	1		i	11	Production Corn					
	i		1	Date	Production Corp.					
	1		1	11-30	-88					
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330 440 00	1330 1410 1000				E.V.Echohawk LS					

### N MEXICO OIL CONSERVATION COMMISSI WELL LOCATION AND ACREAGE DEDICATION PLAT

Attachment No. 3

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

All distances must be from the outer boundaries of the Section.

Pg. 15 of 30

Operator			Le	Lease Well No.						
	<u>duction Corpor</u>				Inc	10				
Unit Letter	Section	Township	4.4-	Range	County					
C Actual Footage Loc	26	28 No	rtn	15 West	San Juan					
790 •	feet from the	North	line and	1850 feet	t from the West	line				
Ground Level Elev.			Po		nom me	Dedicated Acreage:				
5555	Fruitla	nd Coal		Basin Fruitland	d Coal	320 Acres				
1 Outline th	e acreage dedica	ted to the sul	piect well	by colored pencil or	r hachure marks on	the plat below				
0			.,	<u> </u>		pres polow.				
	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	nswer is "yes,	type of co	onsolidation						
If angular	ic ''no'' list the	owners and tra	et descript	tions which have act	tually been consolid	dated. (Use reverse side of				
	f necessary.)			nons which have act		rated. (Use reverse side of				
	=	ed to the well i	until all int	terests have been co	onsolidated (by co	mmunitization, unitization,				
						n approved by the Commis-				
sion.										
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DPC - Le	ase #14-20-60	3-2015		1	None	~. ()———				
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Š.	1		•	1	Position					
	1	ı		I	Geolo	gist				
	!			}	Company					
	1			i		Production Corp.				
	j	1		ĺ	Date 4-14-8	} <b>9</b>				
		SE <b>d</b> 26.		•		William Marie				
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	·	I		1		Professional Engineer				
1	1			i	and/or Land	t				
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					Certificate I	-				
0 330 660 9	0 1320 1650 1980	2310 2640	2000	1500 1000 500	0	E.V.Echohawk LS				

# N EXICO OIL CONSERVATION COMMISS WELL LOCATION AND ACREAGE DEDICATION PLAT

Attachment No. 3 Pg. 16 of 30

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

Operator		Lease Well No.					
Dugan Production Corp	poration	Pet	Inc	11			
Unit Letter Section	Township	Range	County	-			
K 26	28 North	15 West	San Juan				
Actual Footage Location of Well:		· · · · · · · · · · · · · · · · · · ·					
1850. feet from the Ground Level Elev.   Producing Form	South line and	<del>,</del>	t from the West	line			
Ground Level Elev.   Producing Form   5578   Fruitla		Ojo Fruitland	<b>!</b>	edicated Acreage:			
	end to the cubicat w						
1. Outline the acreage dedicat	ed to the subject wi	en by colored pencil o	i nachure marks on the	plat below.			
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<ol><li>If more than one lease is interest and royalty).</li></ol>	dedicated to the wel	i, outline each and ide	ntify the ownership ther	eof (both as to working			
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?							
		f accest less					
YesNo If an	swer is yes, type o	f consolidation					
If answer is "no;" list the o	wners and tract desc	riptions which have ac	tually been consolidated	d. (Use reverse side of			
this form if necessary.) No allowable will be assigne	d to the well until all	interests have been c	onsolidated (by commun	nitization, unitization			
forced-pooling, or otherwise)							
sion.			,				
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L	+		Name	$\bigcup$			
1		1	Jim L. Ja Position	CODS			
		1	Geologist				
		1	Company	_			
		i	Dugan Pro	duction Corp.			
1 · i		1	September	24, 1990			
	SEC 26		1111111	LAND SUMMING			
			JuniceO	LAND SIL			
Dugar production	1	1	I sheeby ech	My Tha The Wellocation			
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# NET EXICO OIL CONSERVATION COMMISSION WELL LUCATION AND ACREAGE DEDICATION PLAT

Attachment No. 3

Pg. 17 of 30

Form C-102 Supersodes C-128 Effective 1-1-65

		All distances must be its	in the outer boundaries of	the Section.				
Cperator		į i	Lease	T	Well No.			
	duction Corpo		Pet	<del></del>	12			
Unit Letter	Section	Township	Range 15 West	San Juan				
C Actual Epotage Loc	ation of Walls	28 North	12 mez (	Sell Suali				
790		North line and	1850 _{(e.e.}	et from the West	line			
Ground Level Elev.	Producing For		P∞l		Dedicated Acresge:			
5011	Fruitlan	d/PC	Ojo Fruitland	Sand PC	160 Arres			
U	an one lease is	ed to the subject wel			ne plat below.			
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					
this form if No allowab	necessary.) le will be assigne	d to the well until all i	nterests have been c	onsolidated (by com	munitization, unitization, approved by the Commis-			
			1	<del></del>	CERTIFICATION			
Du 90	90 90 90 90 90 90 90 90 90 90			None  None  Im L.  Position  Geolog  Company  Dugan  Date  Septemb	ertify that the information conein is true and complete to the knowledge and belief.  L. Jacobs  ist  Production Corp.			
				Date Surveyer  Registered Fr  and/or L and S	1 16, 1977 clessional Engineer			
330 660 90	1320 1650 :280	2310 2640 2000	1500 1000 500	Certificate ::c	3602 E.V.Echohawk LS			

# N MEXICO OIL CONSERVATION COMMISSI WELL LOCATION AND ACREAGE DEDICATION PLAT

Attachment No. 3 Pg. 18 of 30

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

			T				<del></del>		
Operator			Lease We Pet Inc				Well No.		
Unit Letter	oduction Corp	Township	Rang		County	<del> </del>			
1	35	28 North	1 -	5 West		San Juan			
Actual Footage Loc						<del></del>			
1850	feet from the	South line and	790	) (	eet from the	East	line		
Ground Level Elev.	<u> </u>		Pool			Dec	dicated Acreage:		
5641	Picture	ed Cliffs	Ojo I	FR Sand-	PC		160 Acres		
2. If more th		ted to the subject we				• •	lat below.		
dated by c	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 answer is "yes," type of consolidation  If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of								
this form it No allowab	f necessary.) ble will be assigne	d to the well until all	interests	have been	consolida	ted (by commun	itization, unitization,		
			                   			Nome  Jim L. Jac  Position  Geologist  Company  Dugan Produ	RTIFICATION  y that the information construe and complete to the wledge and belief.  L. Jack  obs  uction Corp.		
	1		ł			11-30-88			
		SEC. 35  Dugan Pr	rod.	14-20-60 - O	- o	English of a Rep	ECHOHAMATINATION  1977  Stonal Engineer		
330 660 90	1320 1650 1980	2310 2640 2000	1500	1000 50		_	3602 E.V.Echohawk LS		

### MEXICO OIL CONSERVATION COMMISSI WELL LOCATION AND ACREAGE DEDICATION PLAT

Attachment No. 3 Pg. 19 of 30

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

All distances must be from the outer boundaries of the Section. Well No. Pet Inc 13 Dugan Production Corporation Unit Letter Range County 15 West San Juan 28 North Actual Footage Location of Well: 790 East 1850. South feet from the line and feet from the line Ground Level Elev. Producing Formation Pool Dedicated Acreage: Basin Fruitland Coal 320 5641 Fruitland Coal Acres 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling.etc? If answer is "yes," type of consolidation. Yes No If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)_ No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission. **CERTIFICATION** I hereby certify that the information contained herein is true and complete to the of my knowledge and belief. Jim L. Jacobs Position Geologist Company Dugan Production Corp. Date 4-14-89 MED LAND SINGLE DICCTION BY A FEBRUARY TO THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF TH SEC. 35 DPC on This plat was planed from field Ls# 14-20-603-2015 of a Representations of a Representation V ECHOHAM April 16, 1977 Registered Professional Engineer and/or Land Surveyor Certificate No. E.V.Echohawk LS 660 1320 1650 1980 2310 2000 1500 1000

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### N MEXICO OIL CONSERVATION COMMISS. WELL LOCATION AND ACREAGE DEDICATION PLAT

Attachment No. 3 Pg. 20 of 30

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

		All dista	nces must be fr	om the ou	iter bo	indaries of	the Section	n		
Operator Dunan Proj	duction Corpo	ration	j	Lease		Pet	Inc			Well No.
Unit Letter	Section	Township		Rom	ge		County			<del></del>
К	36	28	North		15	West		San Juan	1	
Actual Footage Loc	ation of Well:		1101 (1)	<u></u>			L			
1850° • Ground Level Elev.	feet from the	South	line and	165	0	feet	from the	West	T	line
5659	Producing Form			Ojo F	R Sa	nd-PC			Dedica	ited Acreage: 160 Acres
( <u>)</u>										below.  (both as to working
dated by control Yes  If answer in this form if No allowab	ommunitization, u  No If an  s "no," list the o  necessary.)  le will be assigne	swer is " wners and d to the w	force-poolin yes," type of d tract descri	g. etc? consol ptions	idatio which	n have act	ually be	en consolida	nted. (	Use reverse side of zation, unitization, ved by the Commis-
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	İ				 			Company	Prodi	action Corp.
	   	SEC.	36					11-30-	88	min.
Dugan Prod	.  14-20-603-	-2015		<del>- </del>				Date Surveyed	his plat	, 1977 nal Engineer
330 000 20	1320 1650 1980	2310 2640	2000	1500	100	0 500	•	Certificate No		Echohawk LS

# N MEXICO OIL CONSERVATION COMMISS. WELL LOCATION AND ACREAGE DEDICATION PLAT

Attachment No. 3 Pg. 21 of 30

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

Operator	<del></del>		Les	ise			Wel! No.
Dugan Pro	duction Corpo	ration		Pe	t Inc		14
Unit Letter	Section	Township		Range	County		
K Actual Footage Loc	36	<u>  28 Nor</u>	th	15 West		San Juan	
- •		South	17	1650 (-	-4 <b>6</b> 41	Wast	
Ground Level Elev.			Poo		et from the		
5659		nd Coal		Basin Fruitlar	nd Coal		320
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The will be assigned.	dedicated to the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of the substitute of	oject well he the well, or ship is dedice-pooling. of type of co	Basin Fruitlar Basin Fruitlar by colored pencil atline each and id cated to the well, etc? nsolidation ons which have a	or hachure entify the have the ctually be	e marks on the ownership the ownership the interests of the center consolidated (by commuts, has been at the desired here to be for my the first time of the consolidated for the center consolidated (by commuts, has been at the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the center consolidated for the	e plat below.  ereof (both as to working all owners been consolited. 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330 660 90	1320 1550 1980			603 - 2015		Date Surveyed  April  Registered Prof  and/or Land Sur  Certificate No.	D LAND  That The Sold occation is plat was plated from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from field from

# MEXICO OIL CONSERVATION COMMISS WELL LOCATION AND ACREAGE DEDICATION PLAT

Attachment No. 3 Pg. 22 of 30

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

		All distances must be it	rom the outer boundaries of	the Section.			
Operator			Lease Well No.				
Unit Letter	Production Cor Section	Township	Range	County		13	
J	36	28 North	15 West	1	an Juan		
Actual Footage Lo							
1850	feet from the	South line and		t from the	East	line	
Ground Level Elev			Pool Oio EP Sand DC		ļ	Dedicated Acreage: 160 Acres	
	<u> </u>		Ojo FR Sand-PC		<u> </u>		
1. Outline the	he acreage dedica	ted to the subject we	il by colored pencil of	or hachure n	narks on the	plat below,	
•	han one lease is	dedicated to the well	outline each and ide	ntify the or	wnership the	ereof (both as to working	
	and royalty).	dodreated to the well	, outilité outilité une l'uc		whership the	seot (both as to working	
					_		
				have the in	terests of a	all owners been consoli-	
dated by	communitization, u	mitization, force-poolir	ig. etc?		•		
Yes	No If an	nswer is "yes," type of	consolidation				
_						•	
		owners and tract descr	riptions which have ac	tually been	ı consolidat	ed. (Use reverse side of	
	if necessary.)	. 1	·	111.	1 (1		
						unitization, unitization, pproved by the Commis-	
sion.	, or otherwise,	or until a non otalidata	dirit, oriminating out	ii iiitaraata,	, nas been u	pproved by the commis-	
r							
	l f		i		(	CERTIFICATION	
	i		1		I hereby cer	tify that the information con-	
	İ		i r			n is true and complete to the	
	1				best of my k	nowledge and belief.	
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	+	+			Jim L. J	acobs	
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	i i		İ		Company Dugan Pr	oduction Corp.	
	I			1	Date Date		
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		SEC. 36			111111	MILLIANI	
	l I	Dugan P			I Salining RE	put That the Section	
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	f				April 19	9, 1977	
	1	185	$\mathcal{O}$		Registered Prof	essional Engineer	
	i		1	ll l°	ınd∕or Land Su	rveyor	
	ļ I		į.	-	- 17	6 1 d 1,	
					Certificate No.	3602	
330 660 9	2 1320 1650 1980	2310 2640 2000	1500 1000 500			E.V.Echohawk LS	

# MEXICO OIL CONSERVATION COMMISS WELL LOCATION AND ACREAGE DEDICATION PLAT

Attachment No. 3 Pg. 23 of 30

Form C-102 Supersedes C-128 Effective 1-1-55

		All distances must be it	our die outer boundaries o	the Becarding	
Operator			Lease		Well No.
	roduction Cor		<del></del>	t Inc	15
Unit Letter	Section	Township	Range	San Juan	
Actual Fpotage Loc	36	28 North	15 West	Jan Juan	
1850	feet from the	South line and	1850 fe	et from the East	line
Ground Level Elev.	Producing For	nation	Pool		Dedicated Acreage:
<u> </u>	Fruitla	and Coal	Basin Fruitla	and Coal	320 Acres
0	an one lease is	ed to the subject we			he plat below.
	ommunitization, u	fferent ownership is d nitization, force-poolin swer is "yes," type of	g. etc?	have the interests of	all owners been consoli-
If answer i this form if No allowab	s "no," list the o	wners and tract descri	ptions which have a	consolidated (by com	munitization, unitization, approved by the Commis-
	               	SEC. 36		Name Jim L. Position Geologi Company Dugan F	eroduction Corp.
	Dug	en production + 14-20-603-20		Date Surveyed  April  Registered Pri  and/or Land S	19, 1977  ofessional Engineer Surveyor  Echshawle
330 860 90	1320 1650 1960	2310 2640 2000	1500 1000 500	Certificate No	. 3602 E.V.Echohawk LS

### STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

112 110

### OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NÈW MEXICO 87501

Attachment No. 3 Pg. 24 of 30

Edgar L. Risenhoover, L.S.

Form C-102 Revised 10-1-78

All distances must be from the outer boundaries of the Section.

Operator Dugan Prod	ductio	on Corpor	ation		Lease P	et Inc.			well No. 16
Unit Letter L	Section	35	Township 28	North	R	15 West	County	San Juan	
Actual Footage Loc			outh	line and	96	0 <u>fcet</u>	from the	West	line
Fround Level Elev. 5623	P	roducing Form Picture		5	P∞I Ojo	FR Sand-PC			160 Acres
				•	•			re marks on the plat	
<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 consolidated by communitization, unitization, force-pooling.etc?</li> <li>Yes No If answer is "yes;" type of consolidation</li> </ol>									
this form if No allowabl	necess le will	be assigned	l to the v	vell until all	interes	sts have been co	onsolida	een consolidated. (I	
	1							CERTI	FICATION
· .	1								at the information con- ue and complete to the dge and belief.
_'	- <del> </del>					 		Jim L. Jacob	<i>f</i>
	   					1		Geologist Compony Dugan Produc	tion Corp.
			Sec.	35		1		11-30-88	Tierry
Dugan Proc 14-20-603-2				Ans.		1		I have been the ME	BENY All location  Location lield  Location field  Location field  Location field
960'	1					 		under my supervision Is a single and correct knowledge and belief	on and that the same
1700	- + - 1 0'					† — — — — ! !		Date Surveyed May 13, 198	
	; ; ;					 		Registered Profession and/or Land Surveyor	al Engineer
								Edgor L.	Risenhoover

2000

## STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

### OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Attachment No. 3

Pg. 25 of 30

Form C-102 Revised 10-1-78

Unit Letter  L  Section  County  28 North  San Juan  Actual Footage Location of Well:  1700  Icet from the South  Ine and 960  Icet from the West  Cround Level Elev.  Producing Formation  Footage  Fruitland Coal  Basin Fruitland Coal  320  Acree									
1700 feet from the SOUTH line and 960 feet from the West line  Ground Level Elev. Producing Formation Pool Dedicated Acreage:									
Cround Level Elev. Producing Formation Pool Dedicated Acreage:									
1 5507									
pasin Fruitiand Coal 1 320 Acres									
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.									
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).									
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling etc?									
Yes No If answer is "yes," type of consolidation									
If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of									
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization,									
forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division									
CERTIFICATION									
I hereby certify that the information con-									
tained herein is true and complete to the									
best of my knowledge and belief.									
for h fach									
Position									
1 Geologist									
Company Dugan Production Corp.									
Date									
4-14-89									
DPC  1 5#14-20-603-2015									
DPC RISENAM									
Ls#14-20-603-2015									
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under my supervision and that the same									
Is title and correct to after best of my									
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Date Surveyed									
May 13, 1982									
Registered Professional Engineer and/or Land Surveyor									
Edgor L. Risenhoover									
Centrol No. 5979  Edgar L. Risenhoover, L.S.									

# N MEXICO OIL CONSERVATION COMMISS. WELL LOCATION AND ACREAGE DEDICATION PLAT

Attachment No. 3 Pg. 26 of 30

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

Operator				Lease		Well No.		
	duction Corpo			Pet Inc				17
Unit Letter	Section	Township	Marth	- 1	_{nge} 15 West	County	C 1	
G Actual Footage Loca	26		North		יים וופיז ניי	l	San Juan	
• •		North	ting and	2	000 (20)	from the	East	line
Ground Level Elev.	Producing Form		Ime and	Pool	ice.	t tion: the		Dedicated Acreage:
5575	Picture	d Cliffs	ł	Ojo F	R Sand-PC			160 Acres
1. Outline the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the	Producing Form Pictured e acreage dedicate an one lease is d royalty).  n one lease of di communitization, un  No If and s "no," list the o necessary.)  le will be assigned	d Cliffs ed to the dedicated  fferent ownitization, swer is " where and d to the wor until a r	to the well nership is d force-poolin yes," type of tract descr	Ojo F  Il by c  , outlin  dedicate  g. etc?  conso  iptions  interes  unit, e	FR Sand-PC colored pencil or e each and iden ed to the well, h lidation which have accusts have been co	tually be	e marks on the ownership the ownership the interests of en consolidated (by communities, has been at the first of my best of my best of my business of a second of the consolidated (by communities). 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### MEXICO OIL CONSERVATION COMMISS. WELL LOCATION AND ACREAGE DEDICATION PLAT

**Attachment** No. 3

Form C -100 Supersedes C-128 Effective 1-1-65

Pg. 27 of 30 All distances must be from the outer boundaries of the Section. Well No. 17 Pet Inc Dugan Production Corporation Unit Letter Township County 15 West 28 North San Juan 26 Actual Fpotage Location of Well: East 2000 1850 · North feet from the feet from the line and line Ground Level Elev. Producing Formation Pool Dedicated Arreage: 5575 Fruitland Coal Basin Fruitland Coal 320 Acres 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling.etc? Yes If answer is "yes," type of consolidation If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization. forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission. CERTIFICATION I hereby certify that the information con-1850 tained herein is true and complete to the st of my knowledge and belief. Jim L. Jacobs Position Geologist Company Dugan Production Corp. DPC - Ls# 14T20-603-2015 4-14-89 SEC 26 WILL D LAND Hestof of the psullos ma April 21, 1977 Registered Professional Engineer and/or Land Surveyor 3602 E.V. Echohawk LS

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### N MEXICO OIL CONSERVATION COMMISS. WELL LOCATION AND ACREAGE DEDICATION PLAT

Attachment No. 3 Pg. 28 of 30 Form C-102 Supersedes C-128 Effective 1-1-65

	·	All distances must be from	<del></del>	the Section.	
Operator Dunan Pr	eduction Corp		ese Pet	Inc	Well No.   18
Unit Letter	Section	Township	Range	County	
F	25	28 North	15 West	San Juan	
Actual Footage Lac					
1850	feet from the N	orth line and	1850 (ee	et from the West	line
Ground Level Elev.	Producing For	1	ol	C   DO	Dedicated Acreage:
5638	<u>  Fruitla</u>	nd Sand PC	Ojo Fruitland	Sand PL	160 Acres
U	an one lease is	dedicated to the well, o			the plat below.
	ommunitization, u	fferent ownership is dec nitization, force-pooling. swer is "yes," type of c	etc?	have the interests of	of all owners been consoli-
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this form if No allowab	necessary.) le will be assigne	d to the well until all in	terests have been o	consolidated (by co	mmunitization, unitization, n approved by the Commis-
			!		CERTIFICATION
Duga. LSAMA	n product			Jim I Position Geolo Company Dugar Date Novem	ber 8, 1990  LAND  Control of the period of the plant was proved from field of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the period of the per
0 330 660 90	1220 1650 1980	2310 2640 2000	1500 1000 50	' ]	No. 3602 E.V.Echohawk LS

## N MEXICO OIL CONSERVATION COMMISS. WELL LOCATION AND ACREAGE DEDICATION PLAT

Attachment No. 3 Pg. 29 of 30

Form C-102 Supersedes C-128 Effective 1-1-55

All distances must be from the outer boundaries of the Section.

Operator				Lease				Well No.
Dugan Pr	oduction C	orporation			F	et Inc		. 19
Unit Letter	Section	Township	<del></del>	Range	2	County		
G	1	1	Nonth		15 West		San luan	
	25		North		17 4626		San Juan	
Actual Footage Loc								
1850-	feet from the	<del></del>	line and	1850	fe	et from the	<u>East</u>	line
Ground Level Elev.		Formation		Pool				Dedicated Acreage:
568C	) P	ictured Cl	iffs	C	ojo Pictu	red Cli	ffs	160 Acres
O 2. If more th	_							he plat below.
dated by control Yes  If answer this form in No allowate	No No list the fine cessary.)_ le will be ass	n, unitization  If answer is '  he owners an  igned to the v	yes," type of tract descr	consoliding iptions w	hich have a	ctually be	een consolidated (by com	ated. (Use reverse side of munitization, unitization, approved by the Commis-
		SEC	© Duga	, .	odnet 10 =	2015	Date Surveye  April	Production Corp.  To LAND  Chair Marchewell location  This plat was proved from field  Red supervision, and that the same  and correct to the best of my  Land belief.  V. ECHOMARTITUTE  d  21, 1977  Totessional Engineer
330 660 9	0 1320 1650	1980 2310 264	2000	1500	1000 5		Certificate No	o.3602 E.V.Echohawk LS
						_ <u></u>		

. District [[ PO Drawer DD, Artesia, NNI 88211-0719 District III

1000 Rio Bruzos Rd., Aztec, NM 87410

PU-Box 2088, Santa Fe, NNt 87504-2088

API Number

District IV

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

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

Attachment No. 3 Pg. 30 of 30

Form C-102 Revised February 21, 1994 Instructions on back

Submit to Appropriate District Office State Lease - 4 Copies

Fee Lease - 3 Copies

## X AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

Pool Crie

30-04	API Numi 5-3078			71629		Basi	n Fruitland	Coal			
* Property	Code	No	Doubt		Prope	rty Name		·		* Well Number	
OGRID	No.				(Operat	lue Name	· · · · · · · · · · · · · · · · · · ·			· Elevation	
006515		Du	gan Prod	duction C	ars				5875' Estimated		
		<del></del>	<u> </u>		<u></u>						
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West	l line	County	
8	6	27N	13₩		790	North	1850	Eas	t	San Juan	
	<del></del>	1 <u>- 1 </u>		tom Hol		If Different Fr			-		
UL or lot no.	Section	Township	Range	· Lot Ida	Fret from the	North/South line	Feet from the	EntWat	line	Causty	
" Dedicated Acr	a loiat	or Latill 14 Co	l casolidation	Code 10	rder No.				·		
NO ALLOW	ABLE V					ION UNTIL ALL BEEN APPROVED			N CO	NSOLIDATED	
16		·	ection	6	Dugan 790, NM-89	Production (	I hereby certificate and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and complete and comple	y that the info	armation at of my	TIFICATION contained herein is browledge and belief	
				Dugar NM-89	n Producti 9131	ion Corp,	I hereby certify was plusted from or under my electric to the	that the well	location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of th	SHOWN on this plat surveys made by me tame is true and	

# ATTACHMENT NO. 4 Interest Ownership Summary Dugan Production Corp.'s Pet Inc Gas Gathering System

	20 \	c Lease wells Pg. No. 2)	No Doubt No. 90 (details on Pg. No. 2)					
]	WI	NI	WI	NI				
Working Interest	表 多40名 生姜安·	- 47854	- 4-24 × 1 × 4-20					
Dugan Production Corp.	100.000	87.500	100.000	87.500				
Royalty Interest	v (0.5%), k (3.0		ATRA STA					
USA - Federal	,	0.000		12.500				
Navajo Tribe		12.500		0.000				
TOTALS	100.000	100.000	100.000	100.000				

## ATTACHMENT NO. 4 Dugan Production Corp. Pet Inc Lease

Basin Fruitland Coal, Ojo Fruitland Sand PC, & Ojo Gallup Gas Pools Lease Location: Section 25 (N/2, SE/4, N/2 SW/4, SESW), Section 26 (all), Section 35 (all), and Section 36 (all) T-28N, R-15W

Wells No: 1, 2, 2A, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 (Total 20)
San Juan County, New Mexico

INTEREST OWNER	INTERES	ST%
Working Interest	<u>Gross</u>	<u>Net</u>
Dugan Production Corp. P. O. Box 420 Farmington, NM 87499-0420	100.0000	87.5000
Royalty Navajo Tribe c/o Bureau of Land Management 1235 La Plata Hwy., Suite A Farmington, NM 87401	0.0000	12.5000
TOTAL LEASE & WELLS	100.0000	100.0000

# No Doubt No. 90 Basin Fruitland Coal Pool Well Location: NWNE Section 6, T-27N, R-13W Spacing Unit: E/2 (320A) San Juan County, New Mexico

INTEREST OWNER	INTERE	EST%
	<u>Gross</u>	Net
Working Interest		
Dugan Production Corp.	100.0000	87.5000
P. O. Box 420		
Farmington, NM 87499-0420		
Royalty USA - Bureau of Land Management 1235 La Plata Highway Farmington, NM 87401	0.0000	12.5000
TOTAL	100.0000	100.0000

## ATTACHMENT NO. 5

## Allocation Procedures

## **Dugan Production Corp.'s**

## Pet Inc Gas Gathering System

CDP GAS SALES METER: SESW 4-27N-13W (El Paso Meter No. 75470)

San Juan County, New Mexico

Currently gas from the CDP sales meter is allocated to the individual Pet Inc lease wells using allocation factors determined from individual well tests. Upon adding the No Doubt No. 90 to the gathering system, an allocation meter will be installed on the Pet Inc lease to measure all gas leaving the Pet Inc lease. A second allocation meter will be installed at the No Doubt No. 90 to measure all gas leaving the No Doubt lease. The CDP sales volume and BTU will be allocated between the two leases using factors determined from the allocation meter volumes. The volume allocated to the Pet Inc lease will then be allocated to individual wells, based upon well tests as is currently being done. The volume allocated to the No Doubt lease will be credited to the No. 90 well, which is the only well on that lease.

#### Base Data:

V = Gas Volume from individual well test.

W = Gas Volume (MCF) from lease allocation meters during allocation period.

X = Gas Volume (MCF) from CDP Sales Meter during allocation period.

Y = BTU's from CDP Sales Meter during allocation period.

Allocation Period is typically a calendar month and will be the same for all wells.

- Allocated Lease Gas Production = A + B + C + D + E
   A = Allocated Sales Volume, MCF. = (W/SUM W) x X
  - B = On lease fuel usage, MCF. Determined from equipment specification and operating conditions.
  - C = Purged and/or vented gas from well and/or lease equipment, MCF. Calculated using equipment specifications and pressures.
  - D = Allocated fuel from gathering system equipment, MCF. The total fuel required to operate gathering system equipment will be allocated to the individual leases benefiting from the equipment using allocation factors determined by W/SUM W for the leases involved.
  - E = Allocated volume of gas lost and/or vented from the gathering system and/or gathering system equipment, MCF. The total volume will be determined using industry accepted procedures for the conditions existing at the time of the loss. All volumes corresponding to liquid condensation within the gathering system will also be determined. The total volume lost and/or vented will be allocated to the individual leases affected using factors determined by W/SUM W.
- 2. <u>Allocated Lease BTU</u> = ((W x Individual lease BTU)/Sum (W x individual lease BTU)) x Y. Individual lease gas heating values to be determined in accordance with BLM regulations (currently Onshore Order No. 5)
- 3. Individual Well Gas Production
  - A. The volumes allocated to the Pet Inc lease will then be allocated to the individual wells using factors determined by V/(SUM V) for Pet Inc lease wells.
  - B. The volumes allocated to the No Doubt lease will be credited to the No Doubt No. 90, which is the only well on that lease.
- Individual Well BTU the BTU allocated to each lease will be allocated to each well on that lease using allocation factors determined by V/(SUM V) for each well on that lease.



**J30 AFTON PLACE** FARMINGTON, N.M. 87401 (505) 325-6622

ANALYSIS NO.

CUST. NO.

DU210230 23000 - 11250

## WELL/LEASE INFORMATION

**CUSTOMER NAME** WELL NAME COUNTY/ STATE

LOCATION FIELD

DUGAN PRODUCTION CORP. PETINC Lease (All walls) SAN JUAN NM

Septrons 25, 26,35 436 T-28N, R-15W

7223

SOURCE N/A 66 PSIG PRESSURE

SAMPLE TEMP

WELL FLOWING DATE SAMPLED

SAMPLED BY

FOREMAN/ENGR.

AHachmen Na6 PTIOFZ

8/31/01 J. DAVIS

TOM BLAIR

N/A DEG.F

REMARKS

**FORMATION** 

CUST.STN.NO.

all Pet INC GAS Sample includes Wells producing from 0 to Fruitland Sand- PC Plus Basin Fruitland Coal Pools. The Gallup was shut in a time of Sampling

#### ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.214	0.0000	0.00	0.0021
CO2	3.123	0.0000	0.00	0.0475
METHANE	92.042	0.0000	931.74	0.5098
ETHANE	3.566	0.9539	63.25	0.0370
PROPANE	0.677	0.1866	17.07	0.0103
I-BUTANE	0.196	0.0641	6.39	0.0039
N-BUTANE	0.020	0.0063	0.65	0.0004
I-PENTANE	0.075	0.0274	3.01	0.0019
N-PENTANE	0.002	0.0007	0.08	0.0000
HEXANE PLUS	0.085	0.0371	4.37	0.0027
TOTAL	100.000	1.2762	1,026.56	0.6157

## *@ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

14,730 PSIA & 60 DEG. F.

COMPRESSIBLITY FACTOR (1/Z)1.0023 1,029.0 BTU/CU.FT (DRY) CORRECTED FOR (1/Z) BTU/CU.FT (WET) CORRECTED FOR (1/Z) 1,011.1 REAL SPECIFIC GRAVITY 0.6171

ANALYSIS RUN AT 14,730 PSIA & 60 DEGREES F

DRY BTU @ 14.650 DRY BTU @ 14.696 DRY BTU @ 14.730 DRY BTU @ 15.025	1,023.4 1,026.6 1,029.0 1,049.6	148	CYLINDER # CYLINDER PRESSURE DATE RUN ANALYSIS RUN BY	K045 67 PS 9/4/01 GINA HANG	
=				~ 11 11 11 11 11 11 11 11 11 11 11 11 11	J, 4

CO.CD 23 EL PASO NATURAL GAS CUSTOMER ACCOUNTING SERVICES DEPARTMENT VOLUME CALCULATION DIVISION POST OFFICE BOX 1492 EL PASO, TEXAS 79978

DATE 8/05/99

#### CHROMATOGRAPHIC GAS ANALYSIS REPORT

CONTACTS: EL PASO FIELD SERVICES (713) 757-5953 EL PASO MAINLINE (915) 496-2595

AHachmen NO. 6 pgzofz

MAILEE 26730

DUGAN PRODUCTION CORPORATION P 0 BOX 420 FARMINGTON, NM 87499-0420

(H-36-27N-13W) 99466 - BENGAL C #90 (#-34 1862 - DUGAN PRODUCTION CORP METER NUMBER OPERATOR

6/22/99 6/21/99 7/01/99 ANALYSIS DATE SAMPLE DATE EFFECTIVE DATE EFFECTIVE FOR 6 MONTHS TYPE CODE H2S GRAINS LOCATION 2 - ACTUAL 0

F - FARM BECK

	NORMALIZED	
COMPONENTS	MOL %	GPM
CO2	.99	.000
H2S	.00	.000
N2	.56	.000
METHANE	97.36	.000
ETHANE	1.09	.292
PROPANE	.00	.000
ISO-BUTANE	.00	.000
NORM-BUTANE	.00	.000
ISO-PENTANE	.00	.000
NORM-PENTANE	.00	.000
HEXANE PLUS	00	000
	100.00	0.292

SPECIFIC GRAVITY

.572

MIXTURE HEATING VALUE (BTU @ 14.73 DRY)

1007

RATIO OF SPECIFIC HEATS

.000

NO TEST SECURED FOR H2S CONTENT



# UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Affectment No.7 PS 10f1

Drawer 1857 Roswell, New Mexico 88201

February 10, 1967

Dugan Production Corporation P. O. Box 234 Farmington, New Mexico 87401

Attention: Mr. T. A. Dugan

Gentlemen:

Your letter of January 31, with attachments, requests our approval for the commingling of gas produced from the Thomas A. Dugan No. 1 Midwest, a Gallup gas well in the SE\(\frac{1}{2}\)SE\(\frac{1}{2}\) sec. 31, T. 28 N., R. 14 W., N.M.P.M., Navajo tribal lease 14-20-603-2205; from Thomas A. Dugan No. 1 Petroleum Inc., a Gallup gas well in the NW\(\frac{1}{2}\)NW\(\frac{1}{2}\) sec. 26, T. 28 N., R. \(\frac{1}{2}\)4 W., N.M.P.M., Navajo tribal lease 14-20-603-2015; and from Thomas A. Dugan No. 1 Raven, a Dakota gas well in the NW\(\frac{1}{2}\)NW\(\frac{1}{2}\) sec. 6, T. 27 N., R. 14 W., N.M.P.M., Navajo tribal lease 14-20-603-2179-A, all in San Juan County, New Mexico.

The method you propose to allocate gas production to each lease by measurement of gas produced from each well at the wellhead and balancing with El Paso Natural Gas Company's meter at a central delivery point is satisfactory to this office. Form 9-361, Lessee's Report of Sales and Royalty, must show all computations used in determining production allocated to each lease.

Sincerely yours,

JOHN A. ANDERSON

Regional Oil and Gas Supervisor



## United States Department of the Interior

No. 8 Pg 10f1

## GEOLOGICAL SURVEY

Drawer 1857 Roswell, New Mexico 88201

October 10, 1972

Dugan Production Corporation P. O. Box 234 Farmington, New Mexico 87401

Re: Navajo Tribal lease 14-20-603-2015

#### Gentlemen:

Your letter of September 26, 1972 requests approval to commingle all gas from lease Navajo tribal 14-20-603-2015 in secs. 25, 26, 35, and 36, T. 28 N., R. 15 W., San Juan County, New Mexico.

As set forth in your letter, all wells would be produced into your Raven Area Pipeline, a compressor set and the gas transported to El Paso's pipeline in the NW½ sec. 35, T. 28 N., R. 14 W. where all gas would be metered. Gas that is metered at the one Gallup well would be subtracted from the total and the remainder allocated back to the Pictured Cliffs wells based on individual tests.

Your request is hereby approved subject to like approval by the New Mexico Oil Conservation Commission.

Sincerely yours,

N. OFFREDERICK

Area Oil and Gas Supervisor

A Hochmont No.9 PS.10F3

## 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. 4854 Order No. R-4453

APPLICATION OF DUGAN PRODUCTION CORPORATION TO COMMINGLE GAS PRODUCTION PRIOR TO METERING, SAN JUAN COUNTY, NEW MEXICO.

## ORDER OF THE COMMISSION

### BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on November 29, 1972, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 19th day of December, 1972, 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, Dugan Production Corporation, is the owner operator of the Pet. Inc. lease in Sections 25, 26, 35, and 36, Township 28 North, Range 15 West, NMPM, San Juan County, New Mexico.
- (3) That the applicant has completed 6 wells on said lease in a non-prorated undesignated Pictured Cliffs Pool, and one well in the Ojo-Gallup Pool, and is the sole operator in said pools.
- (4) That the applicant proposes to install a low pressure pipeline system to gather the production from said wells, and to compress the production for sale into a high pressure pipeline.
- (5) That the applicant seeks authority to commingle the gas produced from the aforesaid Pictured Cliffs gas wells, to meter the Gallup gas production, and to combine it with the Pictured Cliffs production for sale through a single sales meter, determining the total Pictured Cliffs gas production by means of subtraction, with allocation to the individual wells on the basis of periodic well tests.

Alfachment No. 9 Pgzot3

-2-Case No. 4854 Order No. R-4453

- (6) That gas reserves under the Pet. Inc. lease in the aforesaid Pictured Cliffs gas pool are of a low marginal nature and that to require metering of the production from the Pictured Cliffs wells could seriously affect the practicability of the proposed project.
- (7) That the ownership of all wells in each of the aforesaid two gas pools is common throughout, including working interest, royalty interest, and overriding royalty interest.
- (8) That approval of the application will permit the production of gas which might not otherwise be recovered and will not harm correlative rights nor cause waste.

## IT IS THEREFORE ORDERED:

- (1) That the applicant, Dugan Production Corporation, is hereby authorized to commingle, prior to measurement, the Pictured Cliffs gas production from its wells on the Pet. Inc. lease, in Sections 25, 26, 35, and 36, Township 28 North, Range 15 West, NMPM, San Juan County, New Mexico.
- (2) That the applicant is further authorized to commingle the production of its Pet. Inc. lease Well No. 1 located in Unit D of Section 26 of said Township and Range, Ojo-Gallup Pool, San Juan County, New Mexico, after metering, with the commingled Pictured Cliffs Pool production.
- (3) That the commingled production shall be metered, the metered production from the Ojo-Gallup Pool subtracted, and the remainder allocated to the individual wells in accordance with the most recent well tests required under (4) below.
- (4) That within 30 days after the date of connection of any Pictured Cliffs Pool well to the applicant's Pet. Inc. lease commingled gathering system, and during the months of April and October, thereafter, the operator shall conduct a productivity test on said well. The test shall be conducted in a manner approved by the supervisor of the Commission's Aztec district office and shall be under conditions closely approximating normal production conditions.

PROVIDED HOWEVER, that the Secretary-Director of the Commission may approve an extension of the test period when an application for the same has been received and the evidence indicates that such extension is warranted.

(5) Copies of all productivity tests required under (4) above shall be submitted to the Commission's Aztec district office.

A Harhmank No.9 P3.3 of 3

-3-Case No. 4854 Order No. R-4453

(6) 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 herein-above designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

BRUCE KING, Chairman

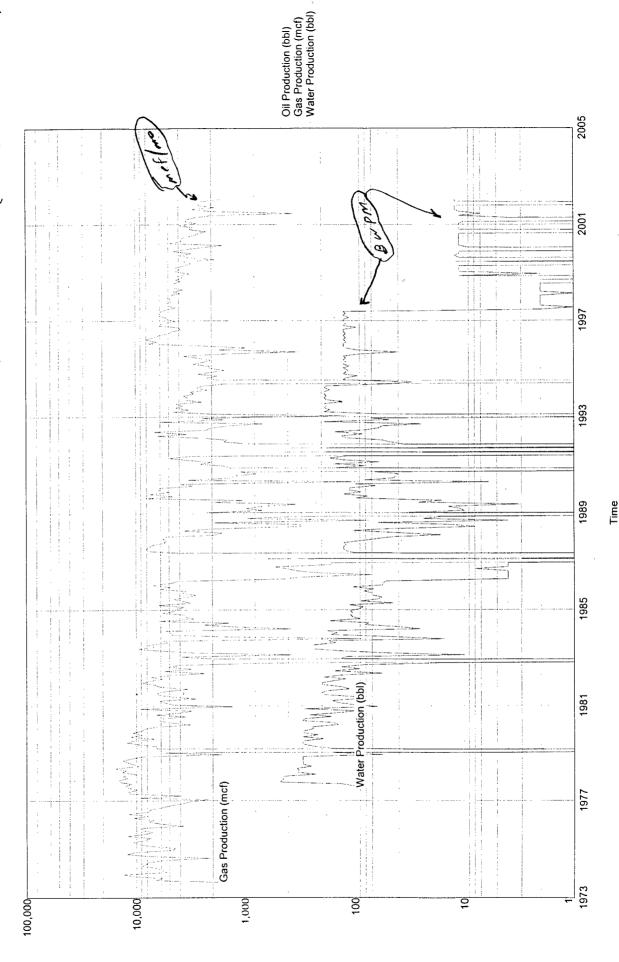
ALEX J. ARMIJO, Member

A. L. PORTER, JR., Member & Secretary

SEAL

Lease Name: PET INC
County, State: SAN JUAN, Unknown
Operator: BUGAN PRODUCTION CORPORATION
Field: MULTIPLE - O FO Fruit/Ond Sond - PC
Reservoir: MULTIPLE
Location:

Attachmont No.10 PSIOFE (Sno pg # 2 for datalls) completions 16 21/5 1 PET INC - MULTIPLE



Oil Cum Years On	17	E	22	59	25	,	25	80	17	29.	29	80	20	25	80	20	80	29	27	21	0	80	80	25	
OHICUM							İ													ĺ					١٩
S Gas Cum	52873	172	76774	187492	99199	14868	130699	35484	37951	205312	192831	16306	62628	96145	10885	33534	2354	109193	56682	92932	28	34007	1657	52415	1 569 474
Wtr Last 12 Mos	0	0	0	-01	0	2	0	7	0	G	0	10	0	Ö	16	0	13	-	01	648	o	311	7	0	1 062
Oil Last 12 Mos	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	o	0	0	0	o	0	0	0	
Gas Last 12 Mos	2398	111	45	10133	1306	1210	1654	2947	1613	5209	1528	1352	130	529	198	83	58	3808	146	1635	28	5208	33	33	36 546
Latest Mo				JAN	AN	JAN	JAN	JAN		JAN	JAN	JAN		AN	JAN	JAN	JAN	JAN	JAN				JAN	JAN	
Comp : First Prod Date Latest Mo Gas Last 12 Mos	1977/08	1994/04	1975/05	1973/08	1977/08	1994/04	1977/08	1994/04	1977/08	1973/09	1973/09	1994/04	1977/08	1977/08	1994/04	1982/12	1994/04	1973/08	1975/05	1973/09	1994/04	1977/10	1994/04	1977/09	
Comp																			<u> </u>	1972/10					
Prod Zone Name	FRUITLAND-PICTURED CLIFFS	FRUITLAND COAL	RUITLAND-PICTURED CLIFFS	FRUITLAND-PICTURED CLIFFS	RUITLAND-PICTURED CLIFFS	-RUITLAND COAL	FRUITLAND-PICTURED CLIFFS	FRUITLAND COAL	FRUITLAND-PICTURED CLIFFS	FRUITLAND-PICTURED CLIFFS	FRUITLAND-PICTURED CLIFFS	FRUITLAND COAL	FRUITLAND-PICTURED CLIFFS	FRUITLAND-PICTURED CLIFFS	FRUITLAND COAL	FRUITLAND-PICTURED CLIFFS	FRUITLAND COAL	FRUITLAND-PICTURED CLIFFS	FRUITLAND-PICTURED CLIFFS 1975/04	FRUITLAND-PICTURED CLIFFS	FRUITLAND COAL	FRUITLAND-PICTURED CLIFFS	FRUITLAND COAL	FRUITLAND-PICTURED CLIFFS	
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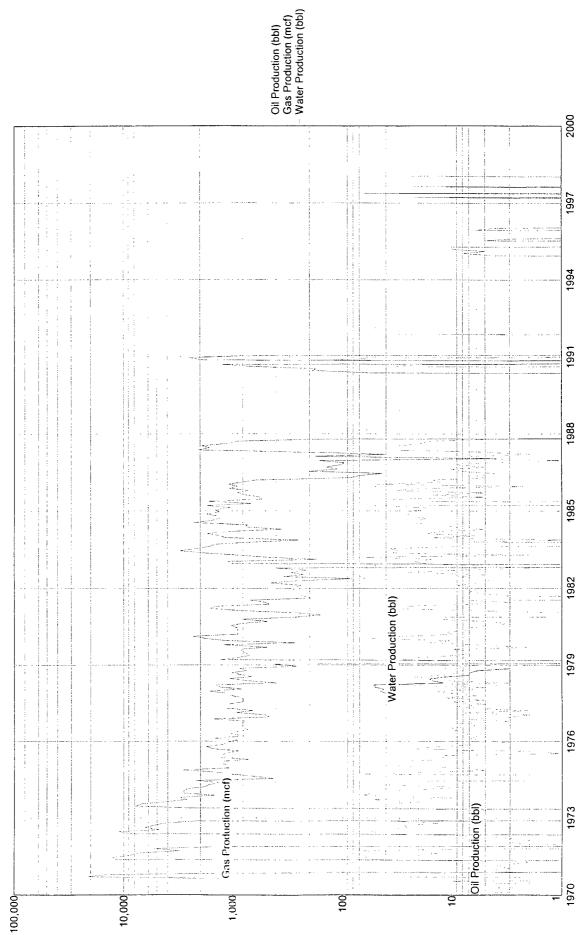
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AHOCHMONT

73 101 Ed No. 11

Reservoir: GALLUP Location: 26 28N 15W C NW NW

1 20 11001 PET INC - OJO

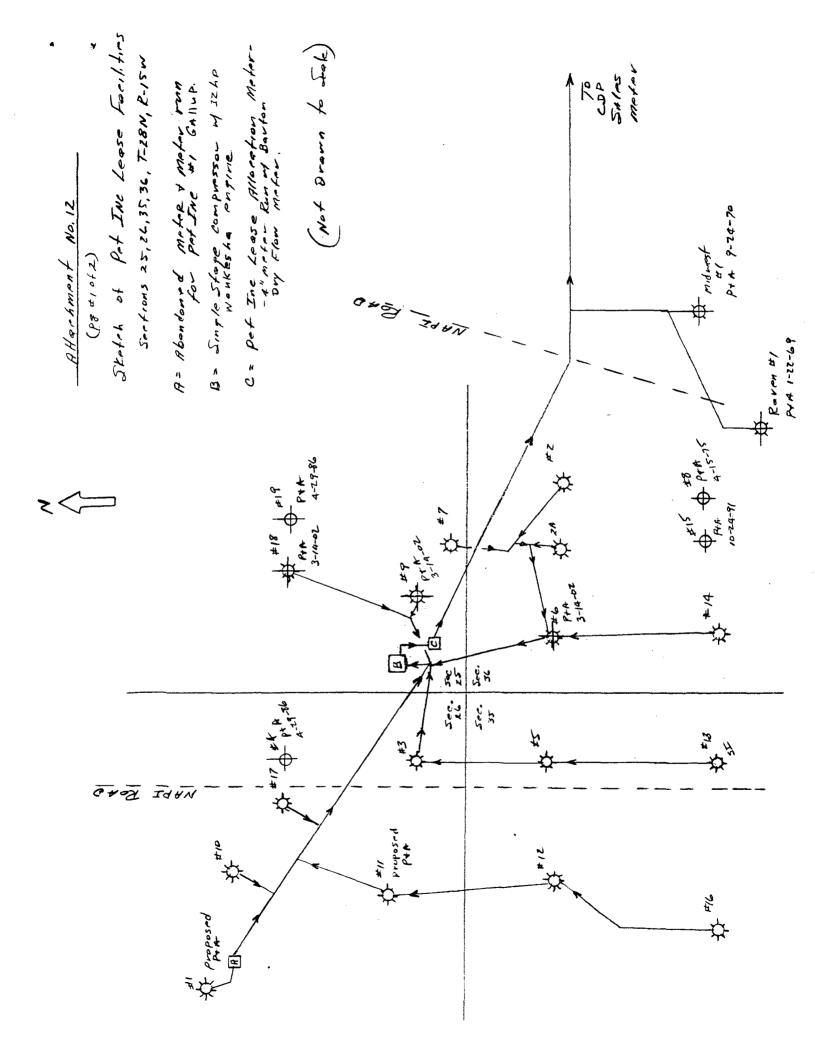


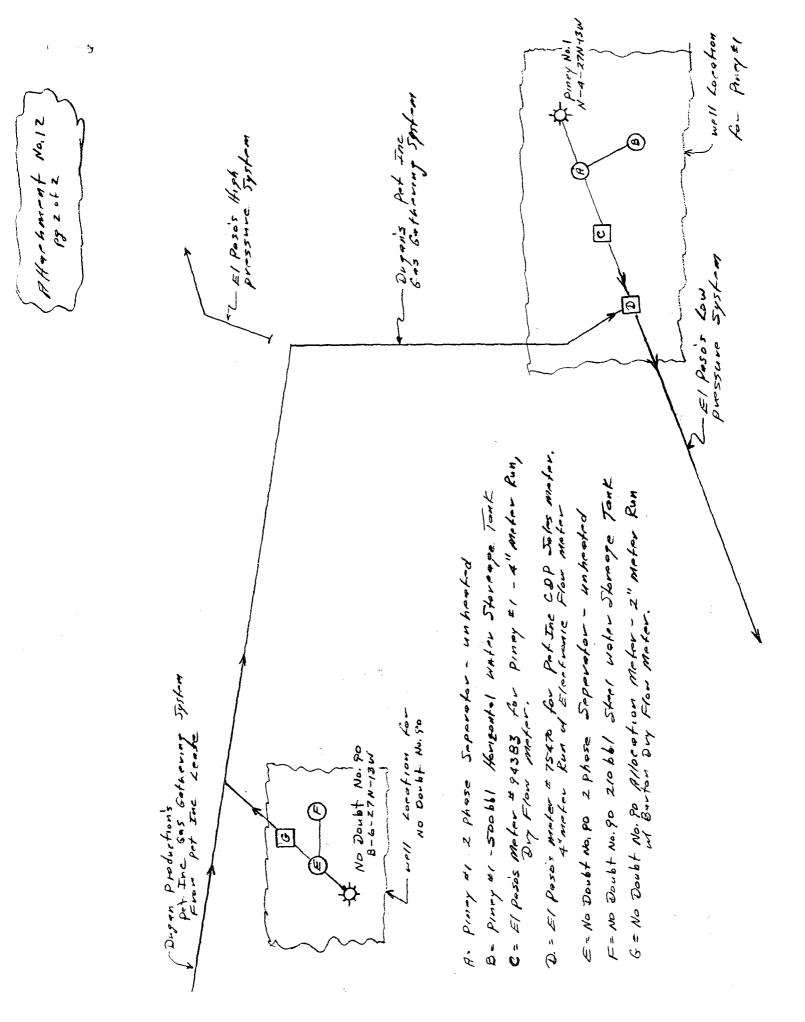
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AHarhmont No.11 P320f2







## United States Department of the Interior

#### BUREAU OF LAND MANAGEMENT

Farmington Field Office 1235 La Plata Highway, Suite A Farmington, New Mexico 87401

IN REPLY REFER TO:

NM - 89131 3162.3-1 3162.3-2 ( 07100 )

April 24, 2002

Kurt Fagrelius Dugan Production Corporation P.O. Box 420 Farmington, NM 87499

Dear Mr. Fagrelius:

Reference is made to the following well on Federal oil and gas lease NM-89131:

No Doubt No. 90, located 790' FNL and 1850' FEL, Sec 6, T.27N., R.13W., San Juan County, New Mexico.

On February 5, 2002, this office approved an Application for Permit to Drill to complete in the WAW Fruitland Sand Pictured Cliffs interval of the referenced well. Your Subsequent Report was received on April 17, 2002, outlining your change of plans to perforate and complete this well in the Basin Fruitland Coal formation. Pursuant to the General Requirements attached to the APD, prior approval by the BLM Authorized Officer is required for a variance from the approved drilling program. Emergency approval may be obtained orally, but such approval is contingent upon filing of a notice of intent (on a Sundry Notice Form 3160-5) within three business days. This office has no record of prior approval, written or verbal, being authorized to change the completion interval. As such, you are in violation of 43 CFR 3162.3-1, for failure to comply with the written requirements of the Application for Permit to Drill.

In addition to the foregoing, you are also in violation of 43 CFR 3162.3-2, Subsequent Well Operations, which requires prior approval before commencing completion in a different interval than what was approved on your Application for Permit to Drill. These are considered minor violations and this will serve as notice that if violations of this sort occur in the future, you will be subject to a monetary assessment. Enclosed you will find your processed Sundry Notice and Well Completion Report.

Under provisions of 43 CFR 3165.3, you may request an Administrative Review of the assessment described above. Such request, including all supporting documents, must be filed in writing within 20 business days of receipt of this notice and must be filed with the State Director, Bureau of Land Management, P.O. Box 27115, Sante Fe, New Mexico 87502-0115. Such request will not result in a suspension of the order unless the reviewing official so determines. Procedures governing appeals from instructions, orders or decisions are contained in 43 CFR 3154.4, and 43 CFR 4.400, et seq.

If you have any questions regarding the above contact Matt Halbert at (505) 599-6350 or the undersigned at (505) 599-6367.

Sincerely,

1s/ fim Lovalo

Jim Lovato Senior Technical Advisor, Petroleum Management Team

Enclosures: (2)

cc:

NMOCD, Aztec, NM NMOCD, Santa Fe, NM

Form 3160-4 (July 1992)	5 BLM	Trile								SUBMIT IN	DUPLICAT	E:		M APPRO NO. 1004	
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b. TYPE OF COMPLE			DEEP-		PLUG		DIFF.					8. FARM OR L	EASE NA	ME WELL	10
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2. Name of Operator	0											No Dou		10	
Dugan Produc		р.	<u></u>									9. API Well No 30-045		₹1	
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Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or MMOCD

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se flictitious or fraudulent statements of the sesentations as to any matter within its FARMINGTON FIFTD OFFICE

BY

Form 3160-5 (June 1990)

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

FORM APPROVED

Budget Bureau No. 1004-0135 Expires March 31 1993

5. Lease Designation and Serial No. SUNDRY NOTICES AND REPORTS ON WELLS NM-89131 Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. 6. If Indian, Allotted or Tripe Name Use "APPLICATION FOR PERMIT -" for such proposals SUBMIT IN TRIPLICATE 7. If Unit or CA, Agreement Designation 1. Type of Well Oil Gas 8. Well Name and No 2. Name of Operator No Doubt #90 Dugan Production Corp. 9. API Well No. 3 Address and Telephone No. 30 045 ~ 30781 P.O. Box 420 . Farmington, NM 87499 (505) 325 - 1821 10. Field and Pool, or Exploratory Area Location of Well (Footage, Sec., T., R., M., or Survey Description) Section 6, T27N, R13W 790' FNL & 1850' FEL WAW Fruitland Sand PC 11. County or Parish, State San Juan, New Mexico 12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Notice of Intent  $\square$ Change of Plans Abandonment **New Construction** Recompletion M Subsequent Report Plugging Back Non-Routine Fracturing Water Shut-Off Casing Repair Final Abandonment Notice Altering Casing Conversion to Injection Dispose Water X Other (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form. 13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)* This well was permitted to test the WAW Fruitland Sand Pictured Cliffs interval. However, after reviewing cased hole logs, plans were changed and the Basin Fruitland Coal interval was perforated and completed. The enclosed C-102 reflects the change in acreage dedication. 070 FARMINGTON, NIV 14. I hereby certify that the foregoing is true and correct 4/16/2002 Geologist Signed ACCEPTED FOR RECORD inis space for Federal or State office use) Title Date Approved by APR 2 3 2002 Conditions of approval if any FARMINGTON FIELD OFFICE



িe 18 U.S.C. Section 1901, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious,o<u>rtfraudo</u>

or representations as to any matter within its jurisdiction

PO Box 1980, Hobbs, NNI 88241-1780

1 Districted 1 . Artesia, NNI 88211-0719

District III 1000 Rio Breuzes Rd., Aurec, NM 17410

District IV

PO Box 1048, Santa Fe. NM 37504-1088

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

CHECK!

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

Fee Lease - 3 Copies

AMENDED REPORT

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## United States Department of the Interior

#### **BUREAU OF LAND MANAGEMENT**

Farmington Field Office 1235 La Plata Highway, Suite A Farmington, New Mexico 87401

IN REPLY REFER TO: Pet Inc Gas Gathering System 3162.7-3 (07100)

SEP 0 3 2002

Mr. John Roe **Dugan Production Corporation** PO Box 420 Farmington, NM 87499-0420

Dear Mr. Roe:

Reference is made to your letter dated May 17, 2002, requesting approval to add the following well to the previously approved Pet Inc Gas Gathering System (formerly the Raven Area Pipeline):

No. 90 No Doubt, located 790' FNL and 1850' FEL section 6, T. 27 N., R. 13 W., San Juan, County, New Mexico on Federal Lease No. NM-89131.

This facility was originally approved on February 10, 1967, and amended on October 10, 1972, to include additional wells. Based on the information supplied, Dugan is hereby authorized to include this well in the Pet Inc Gas Gathering System. In addition, retroactive approval to relocate the sales meter (EPNG Meter No. 75470) to the Piney No. 1 well location in the SE¼SW¼ of Section 4, T. 27 N., R. 13 W., is also authorized.

If you have any questions, regarding the above, contact Jim Lovato at (505) 599-6367.

Sincerely,

Senior Technical Advisor,

Petroleum Management Team

NMOCD (Aztec and Santa Fe) BIA Gallup Navajo Nation