FORM APPROVED OMB No. 1004-0136 Expires November 30, 2000

DEPARTMENT OF T BUREAU OF LAND I	5. Lease Serial No. NM-43442			
APPLICATION FOR PERMIT	6. If Indian, Allottee or Tribe Name			
la. Type of Work: ☑ DRILL ☐ REENTER	7. If Unit or CA Agreement, Name and No.			
1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Ot	005 NUU 23 AM 10 32 Single Zone ☐ Multiple Zone	8. Lease Name and Well No. Zoe #91		
Name of Operator Contact:     DUGAN PRODUCTION CORP.	KURT FAGRELIUS/FD E-Mail: kfagrelius@ddganproduction.com 30. Phone No. (include area code)	9. API Well No. 33450		
3a. Address 709 EAST MURRAY DRIVE FARMINGTON, NM 87401	10. Field and Pool, or Exploratorv  Basin Fruitland Coal			
4. Location of Well (Report location clearly and in accordance At surface 790' FNL and 990' FEL,  At proposed prod. zone Same as above	11. Sec., T., R., M., or Blk. and Survey or Area  A Sec. 19, T24N, R10W  NMPM			
14. Distance in miles and direction from nearest town or post of Approx. 8-miles SW of Blanco	12. County or Parish 13. State NM			
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	17. Spacing Unit dedicated to this well			
790 Feet	1271.56 Acres	E/2 320.0 Acres		
<ol> <li>Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.</li> </ol>	19. Proposed Depth	20. BLM/BIA Bond No. on tile		
Approx. 2700 Feet	1335 Feet	On File		
21. Elevations (Show whether DF, KB, RT, GL, etc. GL - 6588	23. Estimated duration 5-Days			
	24. Attachments			
The following, completed in accordance with the requirements o	Onshore Oil and Gas Order No. 1, shall be attached to t	nis form:		
<ol> <li>Well plat certified by a registered surveyor.</li> <li>A Drilling Plan.</li> <li>A Surface Use Plan (if the location is on National Forest System SUPO shall be filed with the appropriate Forest Service Office.)</li> </ol>	Item 20 above).  Em Lands, the 5. Operator certification	ormation and/or plans as may be required by the		
25. Signature Kurt Fagralin	Name (Printed/Typed) KURT FAGRELIUS	Date 11/22/05		
Title GEOLOGIST				
Approved by (Signature) // andlesse	Name (Printed/Typed)	Date 3		
Title AFM	Office FFO			
Application approval does not warrant or certify the applicant ho operations thereon.  Conditions of approval, if any, are attached.	lds legal or equitable title to those rights in the subject lea	se which would entitle the applicant to conduct		

A water based gel-mud will be used to drill surface and production casing hole. Standard 2,000 psi BOP will be used to drill production hole. The Fruitland Coal will be completed from approximately 1135' - 1160'. The interval will be fractured.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DRILLING OPERATIONS AUTHORIZED AND SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4



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

District II PO Drawer DD, Antesia, NM 88211-0719

District III 1000 Rio Brazos Rd., Aztec, NM 87410

District IV PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico Energy, Minerals & Natural Resources Department

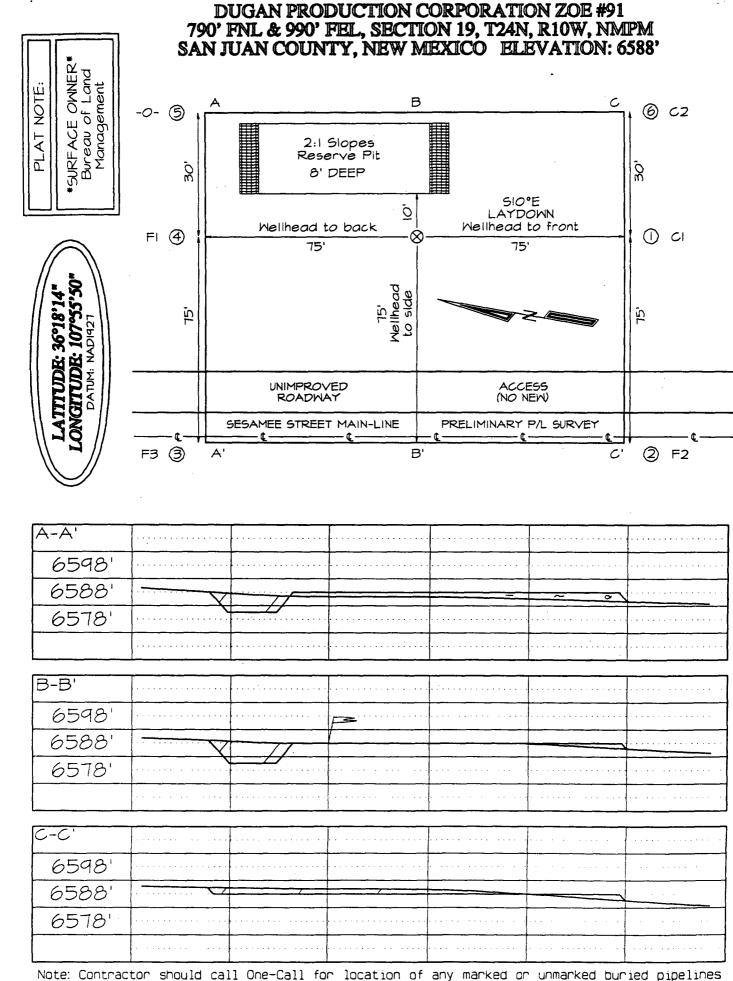
OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

AMENDED REPORT

				WELL	LOCAT	ION AND A	CREAGE DEDI	CATI	ON PL	.AT			
30		PI Number 15-3	345	0	*Pool Coo 71629	ool Code Pool Name 71629 BASIN FRUITLAND COAL							
*Pr	operty SCIO	Code				, ,	*Property Name Well Number ZOE - 91 -						
1	0081D N 00651	. 1			DUGAN	*Operator N PRODUCTIO	Name N CORPORATI	ON:		/	• 6	levation 6588	
				,		<sup>10</sup> Surface	Location						
	lat no. A	Section 19	Township 24N	Range 10W	Lat Idn	Feet from the	NORTH	1	from the 90	East/We EA	ST	SAN	
UL or	lot no.	Section	11 E	Bottom Range	Hole L	ocation I	f Different North/South line		From Surface		East/West line		ity
12 Dedica	ted Acres	32	0.0 ACR	L BES - E	./2	13 Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order 1	ks.	L	<del></del>	<u> </u>	
NO	ALLOW	ABLE W					ON UNTIL ALL EEN APPROVED				EN CON	NSOL IDA	.TED
-	LOT	1	133	37.16	10-	2674	32 0	2.28	I hereby containe to the to th	certify of herein in the control of	that the : is true an knowledge  ir T/C  urt Fa  eology  05  CERTI at the we was plotte vers made	FICAT  FICAT  FICAT  FICAT  FICAT  FICAT  FICAT  FICAT  By me or	S ION
929	LOT	3						្ត	Survey (	and Seal	PTEMBI of Profess . EDWA MEXICO		2005
	LOT 1255.3		13	11.42 <sup>.</sup>		NM-	GAN 43442 2.18		<u>UASO</u>	A C.	EDW	ARD' 15269	5

Submit 3 Copies To Appropriate District Office	State o	f New Me	exico		Form C-103		
District I	Energy, Minerals and Natural Resources		May 27, 2004 WELL API NO. 30-045-33450				
1625 N. French Dr., Hobbs, NM 88240 District II	OIL CONSER	NATION	DIVICION	WELL APINO.	30-045-33450		
1301 W. Grand Ave., Artesia, NM 88210 District III	OIL CONSER	th St. Fran		5. Indicate Type	of Lease Federal XX		
1000 Rio Brazos Rd., Aztec, NM 87410		Fe, NM 87		STATE FEE  6. State Oil & Gas Lease No.			
<u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM	Sana	. 0, 14141 07	.505		NM-43442		
87505	CES AND REPORTS	ON WELLS			or Unit Agreement Name		
(DO NOT USE THIS FORM FOR PROPORTION OF THE PROPORTION OF T	SALS TO DRILL OR TO DE	EPEN OR PLU	JG BACK TO A	Zoe	n Omt Agreement Name		
PROPOSALS.)  1. Type of Well: Oil Well	Gas Well 🖰 Other			8. Well Number			
2 Name of Owenster	Production Corp	o.		9. OGRID Number 006515			
3. Address of Operator				10. Pool name o			
/09 Ea	ast Murray Drive	e, Farmi	ngton, NM		ruitland Coal		
4. Well Location Unit Letter A:	790 feet from th	north	line and	90	east ,		
Section 19	Township		nge 10W	NMPM	om theline County San Juan		
	11. Elevation (Show	whether DR.	8-		STATE OF STA		
	GL-65	88'					
Pit or Below-grade Tank Application Klo Pit type Drilling Depth to Groundwa		agreet freeh w	aton well +1000 histo		face mater +200 '		
Pit Liner Thickness: 12 mil	Below-Grade Tank: \		hhle: Co	nstruction Material	Synthetic		
	Appropriate Box to 1						
		indicate 14		•			
NOTICE OF IN				SEQUENT RE			
PERFORM REMEDIAL WORK  TEMPORARILY ABANDON	PLUG AND ABANDO CHANGE PLANS	ו אפ □	REMEDIAL WORK COMMENCE DRIL		ALTERING CASING  P AND A		
PULL OR ALTER CASING	MULTIPLE COMPL		CASING/CEMENT	_			
OTHER: Reserve pit for drilling (lined) 🖂 OTHER:							
13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date							
of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion							
or recompletion.							
A water based ge	el-mud will be u	ised to	drill surface	and produc	tion casing hole.		
Standard 2,000 p							
	npleted from app	proximat	ely 1135' – 1	1160'. The	interval will be		
fractured.							
I hereby certify that the information a grade tank has been/will be constructed or	above is true and comple closed according to NMOCI	ete to the be D guidelines 🖔	st of my knowledge  , a general permit 🔲 o	and belief. I further an (attached) altern	er certify that any pit or below- ative OCD-approved plan .		
SIGNATURE KUNT FOR	grelin	TITLE	Geology		DATE11/7/2005		
Kurt Fagrelfu	IS	kfagre	lius@duganpro	duction.com			
Type or print name	$\wedge$	E-mail add			elephone No.325-1821		
For State Use Only	<b>//</b>			AND THE PARTY OF	AAAA C AAAA		
APPROVED BY:	11/1	TITLE	MY COL & GAS IN	religi, vadi. (2	DATE MAR 1 3 2006		
Conditions of Approval (if any):	<i>( ) U</i>						



cables on well pad and/or access road at least two (2) working days prior to construction

# EXHIBIT B OPERATIONS PLAN Zoe #91

### APPROXIMATE FORMATION TOPS:

Total Depth	1335′
Pictured Cliffs	1160′
Fruitland	820′
Kirtland	400′
Ojo Alamo	310′

Catch samples every 10 feet from 1050 feet to total depth.

#### LOGGING PROGRAM:

Run cased hole GR-CCL-CNL from total depth to surface.

#### CASING PROGRAM:

Hole Casing			Setting	Grade and
Size	Size	Wt./ft.	Depth	Condition
9-7/8"	7"	20#	120'	J-55
6-1/4"	4-1/2"	10.5#	1335′	J-55

Plan to drill a 9-7/8" hole and set 120' of 7" OD, 20#, J-55 surface casing. Then plan to drill a 6-1/4" hole to total depth with gel-water mud program to test the Fruitland Coal. 4-1/2", 10.5#, J-55 production casing will be run and cemented. Cased hole GR-CCL-CNL log will be run. Productive zone will be perforated and fractured. After frac, the well will be cleaned out and production equipment will be installed.

#### CEMENTING PROGRAM:

Surface: Cement to surface with 70 cf Class B + 2% CaCl<sub>2</sub>. Circulate to surface.

Production Stage-Cement with 130 cf 2%lodense with

%# celloflake/sx followed by 70 cf Class "B" with

%# celloflake/sx.

Total cement slurry for production stage is 200 cf

Circulate cement to surface.

An adequate spacer will be pumped ahead of the cement slurry to help prevent mud contamination of the cement. An adequate number of casing centralizers will be run through usable water zones to ensure that casing is centralized through these zones. The adequate number of centralizers will be determined based on

API standards. Centralizers to impart a swirling action around the casing will be used just below and into the base of the lowest usable water zone. These devices will assist mud displacement, increase cement bonding potential and create an effective hydraulic seal. A chronological log will be kept which records the pump rate, pump pressure, slurry density, and slurry volume for the cement job. The log will be sent to the BLM after completion of the job.

## WELLHEAD EQUIPMENT:

Huber 7"x4-1/2" casing head, 1000# WP, tested to 2000#. Huber 4-1/2"x2-7/8" tubing head, 1000# WP, tested to 2000#.

**BOP and Related Equipment** will include for a 2000 psi system: (Exhibit D)

Annular preventer, double ram, or 2 rams with one being blind and one being a pipe ram.

Kill line (2" minimum)

- 1 kill line valve (2" minimum)
- 1 choke line valve
- 2 chokes

Upper kelly cock valve with handle available Safety valve and subs to fit all drill string connections in use.

Pressure gauge on choke manifold.

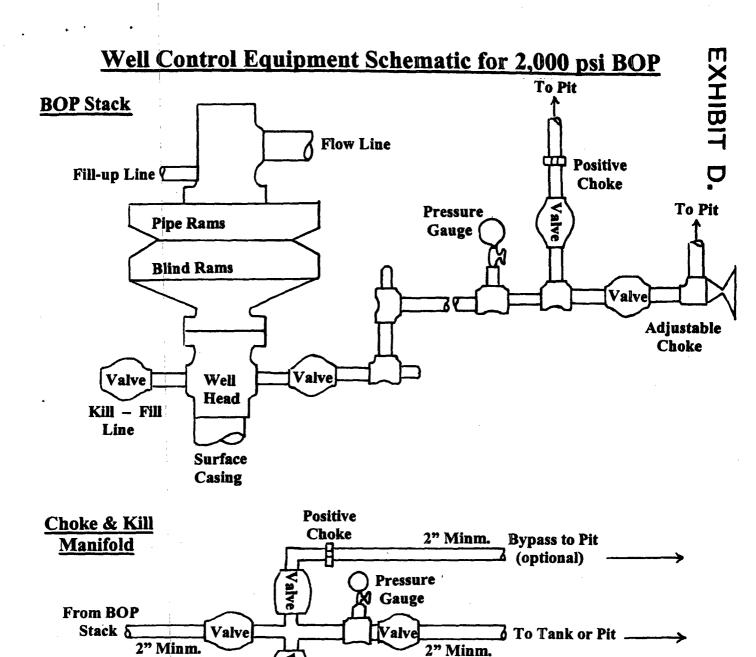
2" minimum choke line.

Fill-up line.

### Contacts:

Dugan Prod.Corp. Office & Radio Dispatch: 325-1821

Mark	Brown	327-3632 320-8247	, ,
Kurt	Fagrelius	325-4327 320-8248	
John	Alexander	325-6927 320-1935	



Working Pressure for all equipment is 2,000 psi or greater

Adjustable

Choke

DUGAN PRODUCTION CORP.
Zoe #91

2" Minm.

To Tank or Pit \_\_\_\_

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.

# NM 43442

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to o Use "APPLICATION FOR	6. If Indian, Allotted or Tribe Name			
SUBMIT IN				
i. Type of Well				7. If Unit or CA, Agreement Designation
Oil Gas Well Well	Other	THE FITTE		
2. Name of Operator		AND TO TO	3	8. Well Name and No.
Dugan Production Corp.	&	ann a	<u>~~~</u>	Zoe #91
Address and Telephone No. P.O. Box 420 , Farmington, NM 87499 (9	505) 325 - 1821 🤄	O PHANCE ON	<u> </u>	9. API Well No. 30 045 33450
ocation of Well (Footage, Sec., T., R., M., or Survey Description)	) (E	2 M Mar. 8	32.5	10. Field and Pool, or Exploratory Area
790' FNL & 990' FEL (NE/4 NE/4)		10 m	87	Basin Fruitland Coal
Unit A, Sec. 19, T24N, R10W, NMPM		STATE OF		11. County or Parish, State
12. CHECK APPROPRIATE BOX(s) TO INDI	CATE NATURE OF	NOTICE, REPORT	C OR OT	San Juan, NM HER DATA
TYPE OF SUBMISSION		TYPE OF AC		
Notice of Intent	☐ Abandonment		X	Change of Plans
	Recompletion			New Construction
Subsequent Report	☐ Plugging Back		닐	Non-Routine Fracturing
Final Abandonment Notice	☐ Casing Repair☐ Altering Casing	•	片	Water Shut-Off
	Other	3		Conversion to Injection Dispose Water
				(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
13. Describe Proposed or Completed Operations (Clearly state all pertinen	t details, and give pertinent date	s, including estimated date of sta	arting any prop	
give subsurface locations and measured and true vertical dept	hs for all markers and zones per	tinent to this work.)*		
Casing program will be changed a	s follows:			~
				0. 95
Hole Size	Casing Size	. Wt./ft.	Setting	Depth OGrade
Surface casing 11"	8-5/8"	24#	120'	FAREC
Production casing 7"	5-1/2"	14#	1335'	ARMINGTO
All cement volumes will remain the	e same and be circu	lated to surface.		
7 III OOMONE VOIGINGO WIII FORMANI ARE	o damo and bo on oc	nated to surrace.		z <u>-</u>
				<del>z</del> <del>1</del> 9
			<del></del>	
14. I hereby certify that the foregoing is true and correct				
Signed Surt Pagirelin Kurt Fagrelius	Title	Geologist	Date	12/13/2005
(This space for Federal or State office use)				1 /
M. 1.	AF.	11		3/13/xB
Approved by Approved by	Title	7	Date	2/12/00
Conditions of approval, if any!				