Form	3	160-3
(Apri	1	2004)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM	APPROV	ED
OMB N	√a. 1004-01	37
Expires	√o. 1004-01 March 31,	2007

	5.	L	ease	Serial	N	۵
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~		If Indian.				
M7	111	Y 29	AM	NØ-	0 4 8 59	89

	APPLICATION	FOR PERM	AIT TO DRILL	OR REENTER	
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					L RECEIVED		
la.	Type of work: X DRILL	REENTE	R	210	7 If Unit or CA Agreement, N	ame and No.	
					8. Lease Name and Well No.		
lb.	Type of Well: Oil Well	X Gas Well Other	X Single ZoneMultip	ple Zone	Mancini #2	2	
2	Name of Operator Dugan	Production Corp.	′		9. API Well No. 30-045	-34331	
3a.	Address 709 East M	urray Drive	3b. Phone No. (include area code)		10. Field and Pool, or Explorator	ry	
		1, NM 87401	505-325-1821		Basin Fruitl	and Coal	
4.	Location of Well (Report Iwatio	n clearly and in accordance with any	y State requirements.*)		11. Sec., T. R. M. or Blk. and Su	rvey of Area	
	At surface 1700' FSL 8	1050' FWL, Lat.	36.13711 N		L Sec. 15, T22N,	R8W	
	At proposed prod. zone Same	as above Long.	107.67475 W		NMPM		
14.	Distance in miles and direction fr Approx. 45-miles	rom nearest town or post office* SE of Bloomfield,	New Mexico		12. County or Parish San Juan	13. State NM	
15	Distance from proposed		16. No. of acres in lease	17. Spacin	g Unit dedicated to this well	<u> </u>	
•••	location to nearest property or lease line, ft. (Also to nearest drig, unit line, if	1050 Feet any)	1440.0 Acres	1 -	2 - 320.0 Acres		
18.	Distance from proposed location*	` `	19. Proposed Depth	20. BLM/I	BIA Bond No.		
	Distance from proposed location* to nearest well, drilling, complete applied for, on this lease, ft.	d, Approx. 2100'	880 Feet	Or	NM0140)	
21.	Elevations (Show whether DF, 1	KDB, RT, GL, etc.)	22. Approximate date work will star	rt*	23. Estimated duration		
	GL-6616'	, , ,	ASAP		5-Days		
			24. Attachments				
The	ne following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:						

- 1. Well plat certified by a registered surveyor.
- 2. A Drilling Plan.
- 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the

	authorized officer.	
25. Signature Kurt 12garia	Name (Printed Typed) Kurt Fagrelius	Date May 29, 2007
Title Geologist		
Approved by (Signature)	Name (Printed/Typed)	Date 6 280
Title Adding AFM Menerals	Office	
Application approval does not warrant or certify that the applicant holds to conduct operations thereon. Conditions of approval, if any, are attached.	egal or equitable title to mose rights in the subject leas	e wnich would entitle the applicant to

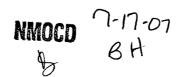
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on page 2)

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 715' - 730'. The interval will be fracture stimulated.

RCVD JUN29'07

NOTIFY AZTEC OCD 24 HRSOIL CONS. DIV. PRIOR TO CASING & CEMENT



District I 1625 N. Frénch Dr., Hobbs, NM 88240

1000 Rio Brazos Ad., Aztec, NM 87410

District III

District IV

District II 1301 W Grand Avenue, Artesia, NM 88210

1220 S St. Francis Dr. Santa Fe, NM 87505

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION 1220 South St. Francis Dr.

Santa Fe. NM 87505

Revised October 12, 2005 Instructions on back

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

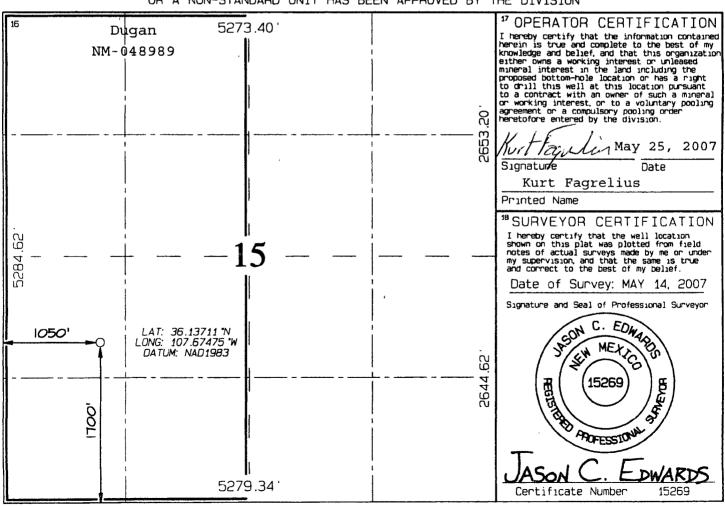
AMENDED MREPORT

Form C-102

RECEIVED ELI WELL LOCATION AND ACREAGE DEDICATION PLATES FARE TOOM MA

'A	PI Numbe	r		Pool Cod	e		*Pool Nam	e		
30-0	45-3	34334		71629		BA	SIN FRUITL	AND COA	\L	
*Property	Code				*Property	Name			We	11 Number
3658	37				MANC	INI				2
'OGRID N	1 0.				*Operator	Name			° E	levation
00651	5	DUGAN PRODUCTION CORPORATION 6616'				6616				
	¹⁰ Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West	line	County
L	15	55N	BW		1700	SOUTH	1050	WES	T	SAN JUAN
	¹¹ Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West	line	County
12 Dedicated Acres		0.0 Acre	s - (W	/2)	¹³ Joint or Infill	³⁴ Consolidation Code	⁵⁵ Order No.			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



Submit 3 Copies To Appropriate District Office District 1	State of New M Energy, Minerals and Nati	ural Resources	Form C-103 May 27, 2004
1625 N. French Dr., Hobbs, NM 88240 District II	077 - 0.00		L API NO. 30-045- 24221
1301 W. Grand Ave., Artesia, NM 88210 District III 1000 Rio Brazos Rd, Azrec, NM 87410	OIL CONSERVATION 1220 South St. Fra	5 In	dicate Type of Lease Federal XX STATE FEE
District IV	Santa Fe, NM 8	7505 6. St	ate Oil & Gas Lease No.
1220 S. St. Francis Dr., Santa Fe, NM 87505	M-M		Federal NM-048989
SUNDRY NOTION (DO NOT USE THIS FORM FOR PROPOSALS.)		UG BACK TO A OR SUCH	ease Name or Unit Agreement Name Mancini
1. Type of Well: Oil Well	Gas Well 🗓 Other		ell Number 2
2. Name of Operator Dugan	Production Corp.	9. 00	GRID Number 006515
3. Address of Operator 709 East	st Murray Drive, Farming	con, NM 87401 10. F	Pool name or Wildcat Basin Fruitland Coal
4. Well Location			
Unit Letter L :	1700 feet from the south		feet from the west line
Section 15	Township 22N R 11. Elevation (Show whether DR	ange 8W NMP	M County San Juan
	GL-6616' '		
Pit or Below-grade Tank Application 12 or Pit type Drilling Depth to Groundwa		vater well + 1000 ' Distance fro	m nearest surface water +200 '
Pit Liner Thickness: 12 mil	Below-Grade Tank: Volume		on Material Synthetic
12. Check A	ppropriate Box to Indicate N	lature of Notice, Repor	t or Other Data
NOTICE OF IN		,	JENT REPORT OF:
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WORK	☐ ALTERING CASING ☐
TEMPORARILY ABANDON	CHANGE PLANS	COMMENCE DRILLING	<u> </u>
PULL OR ALTER CASING	MULTIPLE COMPL	CASING/CEMENT JOB	
OTHER: Reserve pit for dri		OTHER:	
			ertinent dates, including estimated date ellbore diagram of proposed completion
A water based gel mu	d will be used to drill	surface and product	ion casing hole.
Standard 2,000 psi B	OP will be used to drill	production hole.	The Fruitland Coal
will be completed fr	om approximately 715' -	730'. The interval	will be fracture
stimulated.			
			·
	,		
grade tank has been/will be constructed or o		🗓, a general permit 🔲 or an (at	elief. I further certify that any pit or below- tached) alternative OCD-approved plan .
SIGNATURE NOT TEGO	- Cir TITLE G	eologist	DATE 5/29/2007
Kurt Fagre Yius Type or print name	E-mail ac	s@duganproduction.co ldress:	Telephone No.
For State Use Only			
A DRD OVED DV.	' / h / n	anuty Oil & Gas !	usbector,
APPROVED BY:	TITLE	eputy Oil & Gas l District #3	DATE JUL 1 7 2007

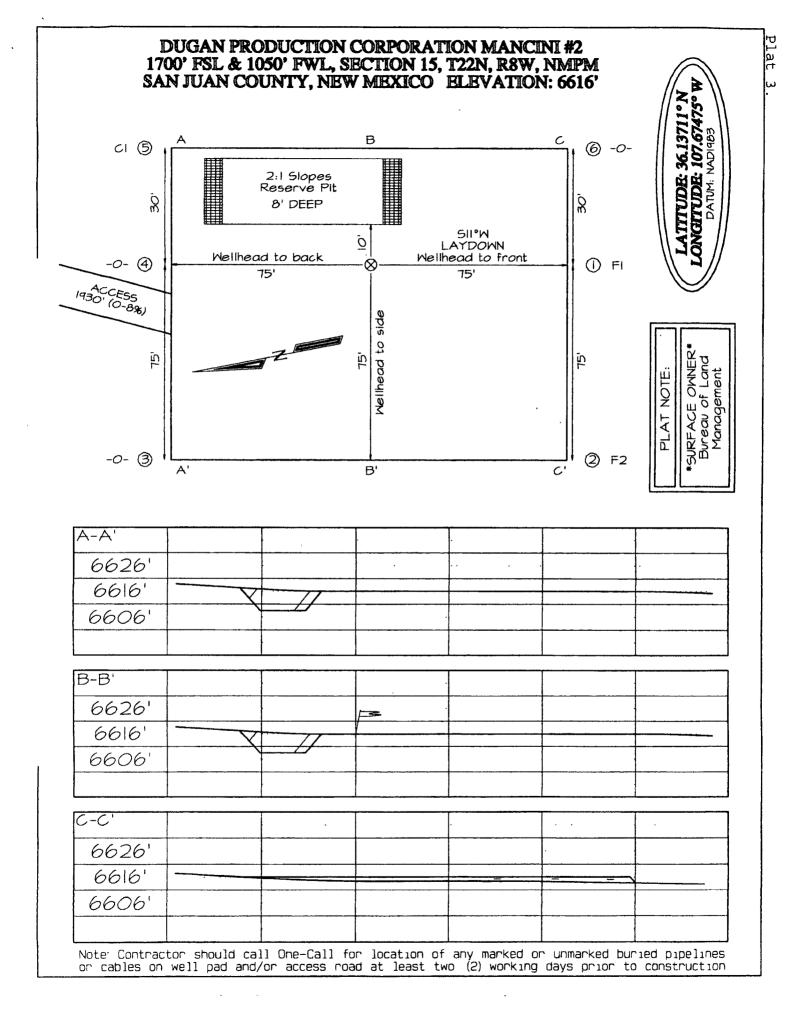


EXHIBIT B OPERATIONS PLAN

Mancini #2

APPROXIMATE FORMATION TOPS:

Total Depth	880′
Pictured Cliffs	730 ′
Fruitland	455 ′
Kirtland	175 ′
Ojo Alamo	90 ′

Catch samples every 10 feet from 600 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
12-1/4"	8-5/8"	24#	<u> 12</u> 0'	J-55
7"	5 - 1/2 "	14#	880 ′	J - 55

Plan to drill a 12-1/4" hole and set 120' of 8-5/8" OD, 24#, J-55 surface casing. Then plan to drill a 7" hole to total depth with gel-water mud program to test the Fruitland Coal. 5-1/2", 14#, 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% CaCl₂. Circulate to surface.

Production Stage-Cement with 80 cf 2%lodense with

celloflake/sx followed by 55 cf Class "B" with

celloflake/sx.

Total cement slurry for production stage is 135 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 8-5/8"x5-1/2" casing head, 1000# WP, tested to 2000#. Huber 5-1/2"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.

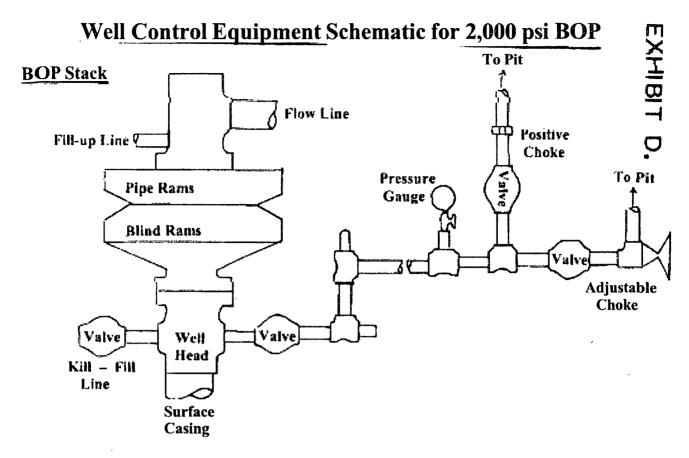
2" minimum choke line.

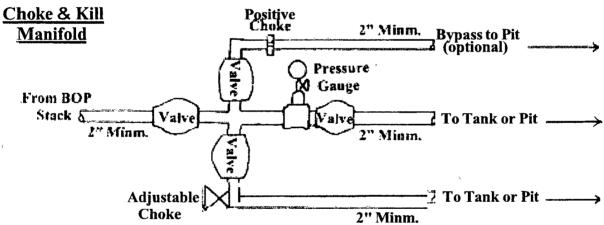
Fill-up line.

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	٠,





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

DUGAN PRODUCTION CORP.

Mancini #2