FORM APPROVED Forma 3160-3 (April 2004) OMB No. 1004-0137 Expires March 31, 2007 UNITED STATES 2868 DEPARTMENT OF THE INTERIOR -5. Lease Serial No. NM-10246 BUREAU OF LAND MANAGEMENT ECEIVED APPLICATION FOR PERMIT TO DRILL OR REENTER TO TO THE 6. If Indian, Allotee or Tribe Name 7 If Unit or CA Agreement, Name and No. DRILL REENTER Type of work: NM NM 99326 8. Lease Name and Well No. Oil Well Gas Well Type of Well: Single Zone Multiple Zone Waterford Com #90-S Name of Operator 9. API Well No. Dugan Production Corp. 30-045-33 3b. Phone No. (include area code) 3a. Address 709 East Murray Drive, Farmington, NM 10. Field and Pool, or Exploratory Basin Fruitland Coal 505-325-1821 11. Sec., T. R. M. or Blk and Survey or Area Location of Well (Report Irration clearly and in accordance with any State requirements.*) Atsurface 1575' FNL & 1575' FWL, Lat. 36.47665 N. Sec. 20, T26N, R12W Long. 108.13842 W **NMPM** At proposed prod. zone Same as above 12. County or Parish 13. State 14. Distance in miles and direction from nearest town or post office. Approx. 25-miles south of Farmington, New Mexico San Juan NM Distance from proposed 16. No. of acres in lease 17. Spacing Unit dedicated to this well location to nearest property or lease line, ft.
(Also to nearest drig, unit line, if any) 160.0 N/2-320.0 Acres 1575 Feet 18. Distance from proposed location* 19. Proposed Depth 20. BLM/BIA Bond No. on file to nearest well, drilling, completed, applied for, on this lease, ft. 1240' Approx. 1000' 22. Approximate date work will start 23. Estimated duration 21. Elevations (Show whether DF, KDB, RT, GL, etc.) ASAP 6-Days 24. Attachments The 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. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). 2. A Drilling Plan. 3. A Surface Use Plan (if the location is on National Forest System Lands, the Operator certification SUPO shall be filed with the appropriate Forest Service Office). Such other site specific information and/or plans as may be required by the authorized officer. Name (Printed/Typed) Date 25. Signature Kurt Fagrelius June 5, 2006 Title Geolea Approved by (Sig Name (Printed/Typed) Title Office Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Conditions of approval, if any, are attached. 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. OTIFY AZTEC OCD 24 HRS. *(Instructions on page 2) O CASING & CEMENT production casing hole. A water based gel-mud will be used to drill surface Standard 2,000 psi BOP will be used to drill production hole. The Fruitland Coal will be completed from approximately 1074' - 1086'. The interval will be

NMOCD & SOOO

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

RCVD AUG 16'07 OIL CONS. DIV. DIST. 3

fracture stimulated.

Olstrict [PO Box 1980, Hobbs, NM 88241-1980

District II PO Drawer DD, Artesia, 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

Certificate Number

15269

AMENDED REPORT

			WELL	LOCATI	ON AND A	CREAGE DED	ICAT	TION PL	TA.		
'API Number				*Pool Cod 71629	- 1	Pool Name BASIN FRUITLAN					
Property Co	<u>5.3</u>	735181			Property			*Well Number			11 Number
36675	-		WATERFORD COM						90S		90S
'OGRID No			*Operato							*Elevation	
006515						ON CORPORATI	.UN				<u>6000 °</u>
UL or lot no. S	Section	Township	Range	Lot Ion	¹⁰ Surface	Location North/South line		et from the	East/We	et line	County
1	20	26N	12W	Lot id.	1575	NORTH	1	1575	WE		SAN JUAN
LL_		11 B	ottom	Hole L	ocation I	f Different	Fro	om Surf	ace		<u> </u>
UL or lot no 5	Section	Township	Range	Lot Ion	Feet from the	North/South line		et from the	East/We	st line	County
					13 Joint or Infill						
12 Dedicated Acres	320).O Acres	5 - (N	/2)	~Joint or Infili	¹⁴ Consolidation Code	¹⁵ Orde	r No			
NO ALLOWAE	RIE W	TH RE A	SSTGNE) TO TH	I COMPLETT	DN UNTIL ALL	TNITI	EDECTC L	AVE DE	EN CON	וכטו זמא דכט
NO ACCOMAC	JLL W	OR A	NON-ST	ANDARD	UNIT HAS BE	EN APPROVED	BY	THE DIVI	SION	EN CON	ISUL TUATED
1575 , 00.082g	DUG	LONG: 10	.47665 °N			G HORSE 12028	5280.00'	I hereby containe to the to th	Certify de herein dest of my les Ku Name Ge Ju Sertify the this plat actual survision, and the Surve and Seal	rt Facology ne 5, CERTIF at the well was plotte veys made that the well was plotte veys made that the mell of Profess EDWA MEXICO 6269	FICATION 1 location to from field by me or under same is true belief L 28, 2006 lonal Surveyor

5270.761

Submit 3 Copies To Appropriate District Office	State of New Mexico	Form C-103
<u>District I</u> 1625 N. French Di., Hobbs, NM 88240	Energy, Minerals and Natural Resources	WELL API NO.
<u>District II</u> 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATION DIVISION	30-045-33781
<u>District III</u> 1000 Rio Brazos Rd , Aztec, NM 87410	1220 South St. Francis Dr.	5. Indicate Type of Lease Federal XX
District IV	Santa Fe, NM 87505	6. State Oil & Gas Lease No.
1220 S St. Francis Dr., Santa Fe, NM 87505		NM-10246
(DO NOT USE THIS FORM FOR PROPOSA DIFFERENT RESERVOIR USE "APPLICA	CES AND REPORTS ON WELLS ALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A ATION FOR PERMIT" (FORM C-101) FOR SUCH	7. Lease Name or Unit Agreement Name Waterford Com
PROPOSALS) 1. Type of Well: Oil Well	Gas Well XX Other	8. Well Number 90-S
2 Name of Operator	oduction Corp.	9. OGRID Number 006515
3. Address of Operator		10. Pool name or Wildcat
	ve, Farmington, New Mexico 87401	Basin Fruitland Coal
4. Well Location Linit Letter F .	1575' feet from the north line and 1	575' feet from the west line
Unit Letter F: Section 20	Township 26N Range 12W	feet from the line NMPM County San Juan
	11. Elevation (Show whether DR, RKB, RT, GR, etc. GL-6000	
Pit or Below-grade Tank Application XXor		+200'
1	er $+100$ Distance from nearest fresh water well $+1000$ Dis	tance from nearest surface water
Pit Liner Thickness: 12 mil		onstruction Material Synthetic
12. Check Ap	oppropriate Box to Indicate Nature of Notice,	Report or Other Data
TEMPORARILY ABANDON	ENTION TO: SUB PLUG AND ABANDON	ILLING OPNS. P AND A
OTHER: Reserve pit for o	drilling (lined) 🖾 OTHER:	
13. Describe proposed or comple	ted operations. (Clearly state all pertinent details, an k). SEE RULE 1103. For Multiple Completions: At	d give pertinent dates, including estimated date trach wellbore diagram of proposed completion
Standard 2.000 psi B	ud will be used to drill surface a 30P will be used to drill producti rom approximately 1074' - 1086'.	on hole. The Fruitland Coal
fracture stimulated.		RCVD AUG 16'07
		OIL CONS. DIV.
		DIST. 3
		•
I hereby certify that the information ab	ove is true and complete to the best of my knowledg osed according to NMOCD guidelines 凶, a general permit 口	e and belief. I further certify that any pit or below- or an (attached) alternative OCD-approved plan .
SIGNATURE YUNT FE	Pervalua TITLE Geology	DATE June 5, 2006
Kurt Fagrel	7.00	· · · · · · · · · · · · · · · · · · ·
Type or print name For State Use Only	E-mail address:	Telephone No.
	Deputy Oil & Gas	
APPROVED BY:	TITLE District	#3 DATE DATE

APPROVED BY:
Conditions of Approval (if any):

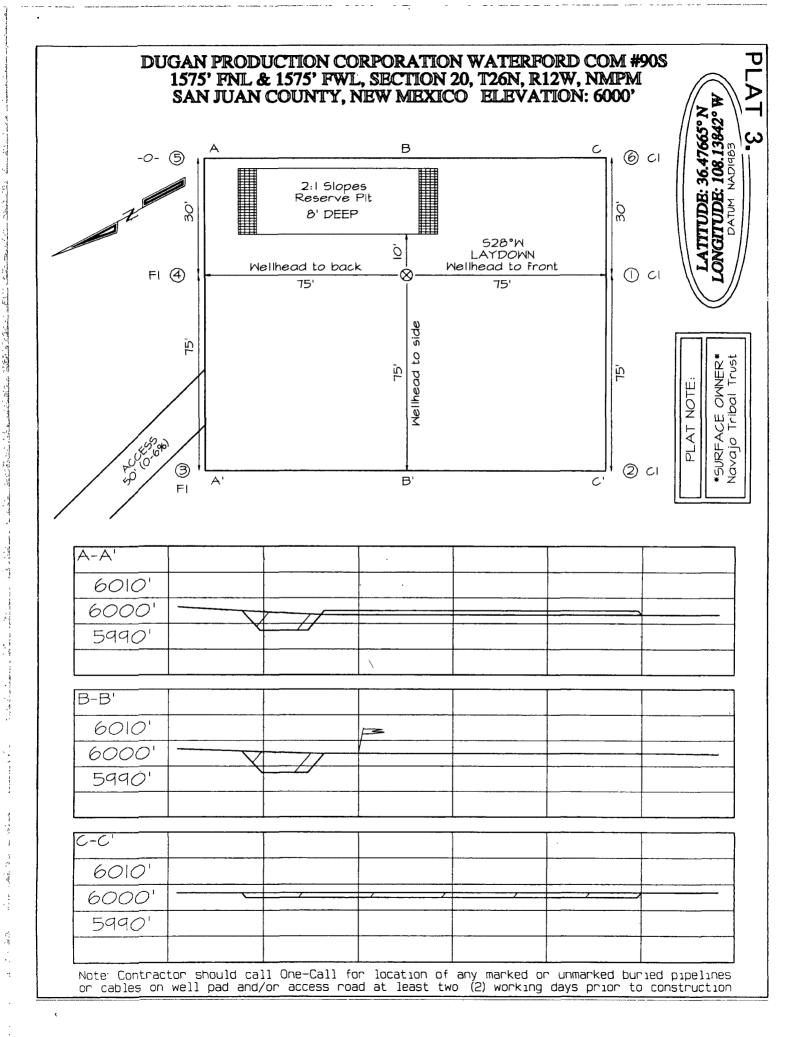


EXHIBIT B OPERATIONS PLAN

Waterford Com #90-S

APPROXIMATE FORMATION TOPS:

Ojo Alamo	Surface		
Kirtland	106′	Pictured Cliffs	1090′
Fruitland	820 <i>'</i>	Total Depth	1240′

Catch samples every 10 feet from 1000 feet to 1240 feet.

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#	120'	J-55
7 "	5-1/2"	14#	1240′	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. 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 110 cf 2%Lodense with

1/4 celloflake/sx followed by 90 cf Class "B" with 1/4# 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 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.

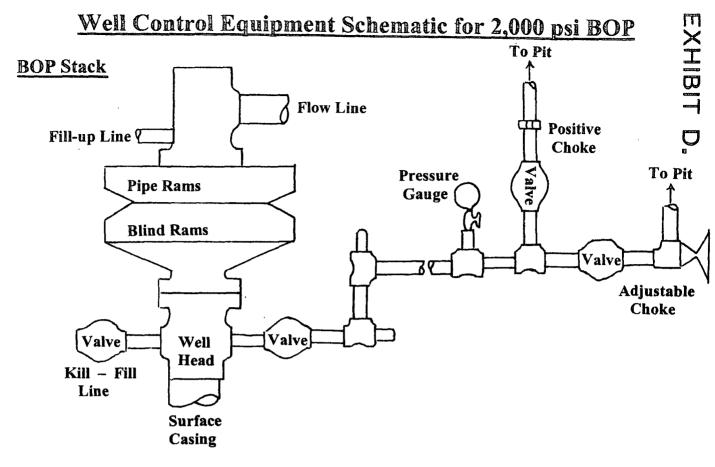
2" minimum choke line.

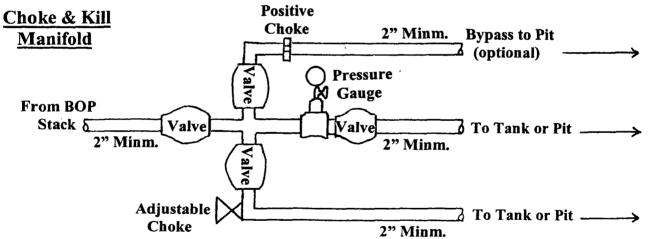
Fill-up line.

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	





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

DUGAN PRODUCTION CORP. WATERFORD COM #90-S