11 50 FORM APPROVED OMB No. 1004-0137 Expires March 31, 2007 Form 3160-3 (April 2004) UNITED STATES RECEIVEDS. Lease Serial No. DEPARTMENT OF THE INTERIOR OTO FARMING TON NM-57580 BUREAU OF LAND MANAGEMENT 6. If Indian, Allotee or Tribe Name APPLICATION FOR PERMIT TO DRILL OF REENTER 7 If Unit or CA Agreement, Name and No. DRILL REENTER la. Type of work: 8. Lease Name and Well No. Oil Well Gas Well Single Zone X Multiple Zone Irish Com #90-S lb. Type of Well: Name of Operator 9. API Well No. **Dugan Production Corp.** 30-045- **A** 3a. Address 709 East Murray Drive, Farmington, NM 3b. Phone No. (include area code) 10. Field and Pool, or Exploratory 505-325-1821 B. Fruit. Coal/Waw Frt. P.C. 11. Sec., T. R. M. or Blk. and Survey or Area Location of Well (Report Invation clearly and in accordance with any State requirements.*) At surface 1200' FSL & 1600' FEL, Lat. 36.49878, Long. ← Sec. 11, T26N, R13W 108.18499 **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. 20-miles south of Farmington, New Mexico San Juan NM 17. Spacing Unit dedicated to this well Distance from proposed* 16. No. of acres in lease 5/2-320 Acres SE/4-160 Acres location to nearest 1200 Feet B. Fruit. Coal -Waw Fruit. P.C. 320 Acres property or lease line, ft. (Also to nearest drig. unit line, if any) 18. Distance from proposed location*
to nearest well, drilling, completed, Approx. 850 applied for, on this lease, ft. 19. Proposed Depth 20. BLM/BIA Bond No. on file 1400 Feet Elevations (Show whether DF, KDB, RT, GL, etc.) 22. Approximate date work will start* 23. Estimated duration 5-Days ASAP 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. 4. Bond to cover the operations unless covered by an existing bond on file (see 2. A Drilling Plan. Item 20 above). 3. A Surface Use Plan (if the location is on National Forest System Lands, the 5. 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. 25. Signature Name (Printed/Typed) Kurt Fagrelius May 1, 2006 Title Geology Approved by (Signature) Name (Printed/Typed)

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.

Office

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.

Title

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 Sand, Fruitland Coal and Pictured Cliffs Sandstone will be completed from approximately 1100' - 1260'. The interval will be fracture stimulated.

DRILLING OPERATIONS AUTHORIZED ARE 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

NWOCD 8.16.01

^{*(}Instructions on page 2)

District I PO Box 1980, Hopps, NM 88241-1980 State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

PO Box 2088

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

District II PO Drawer DD, Artesia, NM 88211-0719 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

District III 1000 Rio Brazos Rd. Aztec, NM 87410

Santa Fe, NM 87504-2008BMRY 1 AM 11 50

District IV

M 11 50 MENDED REPORT

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

APT Number

RECEIVED

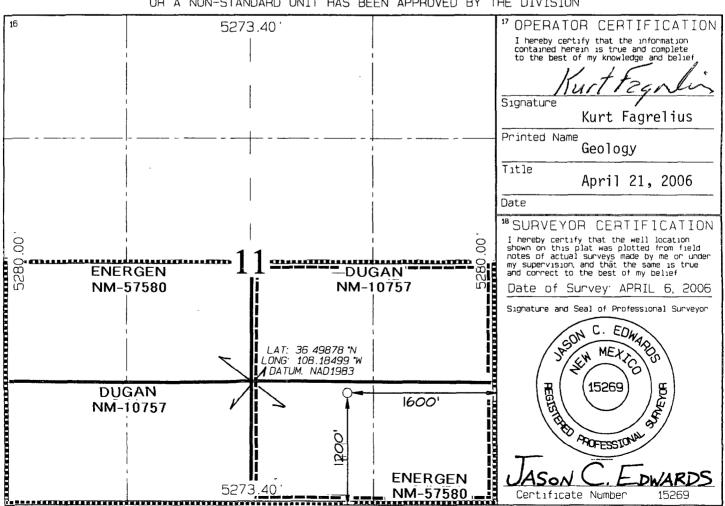
070 FARMINGTON NM WELL LOCATION AND ACREAGE DEDICATION PLAT

30-	045	-33	A57162	29 / 87	I90 Basi	in Fruit. Coa	1] / Waw Fr	uit. Sand P	.C. San d	
*Property	¹Property Code			Property Name				e Me	⁶ Well Number	
2896	28965			IRISH COM				90S		
'OGRID	'OGRID No °C		*Operator	Operator Name			levation			
00653	006515		DUGAN PRODUCTION CORPORATION				6077			
					¹⁰ Surface	Location				
UL or lat no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
	1 1 1	JENI	4 214		1200	COUTH	1500	EACT	LOANI ILIANI	

Pool Code

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	11	26N	13W		1200	SOUTH	1600	EAST	SAN JUAN
		11 E	Bottom	Hole L	ocation I	f Different	From Surf	ace	
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	320.0	Acres Acres			¹³ Jaint or Infill	¹⁴ Consolidation Code	¹⁵ Order Na		

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	State of New M Energy, Minerals and Na		Form C-103 May 27, 2004
District I 1625 N. French Dr., Hobbs, NM 88240	imorgy, minorals and rea	turar Nosources	WELL API NO.
<u>District II</u> 1301 W. Grand Ave , Artesia, NM 88210	OIL CONSERVATIO		30-045-33725 5. Indicate Type of Lease Federal XX
<u>District III</u> 1000 Rio Brazos Rd , Aztec, NM 87410	1220 South St. Fra		STATE FEE
<u>District IV</u> 1220 S St Francis Dr , Santa Fe, NM	Santa Fe, NM 8	37505	6. State Oil & Gas Lease No.
87505	CEC AND DEPONDED ON MIDIT		Federal NM-57580
(DO NOT USE THIS FORM FOR PROPO		LUG BACK TO A	7. Lease Name or Unit Agreement Name
DIFFERENT RESERVOIR USE "APPLIC PROPOSALS)	CATION FOR PERMIT" (FORM C-101) I	FOR SUCH	Irish Com
1. Type of Well: Oil Well	Gas Well X Other		8. Well Number #90-S
2. Name of Operator Dugan	Production Corp.		9. OGRID Number 006515
3. Address of Operator 709 East Murray Dr	ive, Farmington, New M	exico	10. Pool name or Wildcat B. Fruit. Coal/Waw Fruit. P.C
4. Well Location	1200 feet from the Sout	h 160	n east
Unit Letter 0 :	icet from the		
Section 11	Township 26N R 11. Elevation (Show whether Di	Range 13W R. RKB. RT. GR. etc.)	NMPM County San Juan
Pit or Below-grade Tank Application 🛛 o	GL-6077'		
Pit type Drilling Depth to Groundwa		water well 1000 Dista	ance from nearest surface water +200 1
Pit Liner Thickness: 12 mil	Below-Grade Tank: Volume		nstruction Material Synthetic
12. Check A	Appropriate Box to Indicate N		
NOTICE OF IN			SEQUENT REPORT OF:
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WORK	
TEMPORARILY ABANDON DULL OR ALTER CASING	CHANGE PLANS	COMMENCE DRIL	
PULL OR ALTER CASING	MULTIPLE COMPL	CASING/CEMENT	JOB L
OTHER: Reserve pit for o	drilling (lined) 凶	OTHER:	
of starting any proposed we or recompletion.	ork). SEE RULE 1103. For Multip	pertinent details, and ple Completions: Att	give pertinent dates, including estimated date ach wellbore diagram of proposed completion
A water based gel-r	nud will be used to dr	ill surface au	nd production casing hole. on hole. The Fruitland Sand,
Fruitland Coal and	Pictured Cliffs Sands	tone interval	s will be completed. The
intervals will be	fracture stimulated.		
I hereby certify that the information grade tank has been/will be constructed or	above is true and complete to the t	oest of my knowledge (X), a general permit [] o	e and belief. I further certify that any pit or below- or an (attached) alternative OCD-approved plan
SIGNATURE / Ur7 F &	grew TITLE (Geology	DATE May 1, 2006
Type or print name Kurt Fagr	'elius kfagrelius E-mails	us@duganproduc ddress:	tion.com 505-325-1821 Telephone No.
For State Use Only			
APPROVED BY:	TITLE	Deputy Oil & C	Gas Inspector, DATE AUG 1 6 2007
Conditions of Approval (if any):		Distric	7 #3

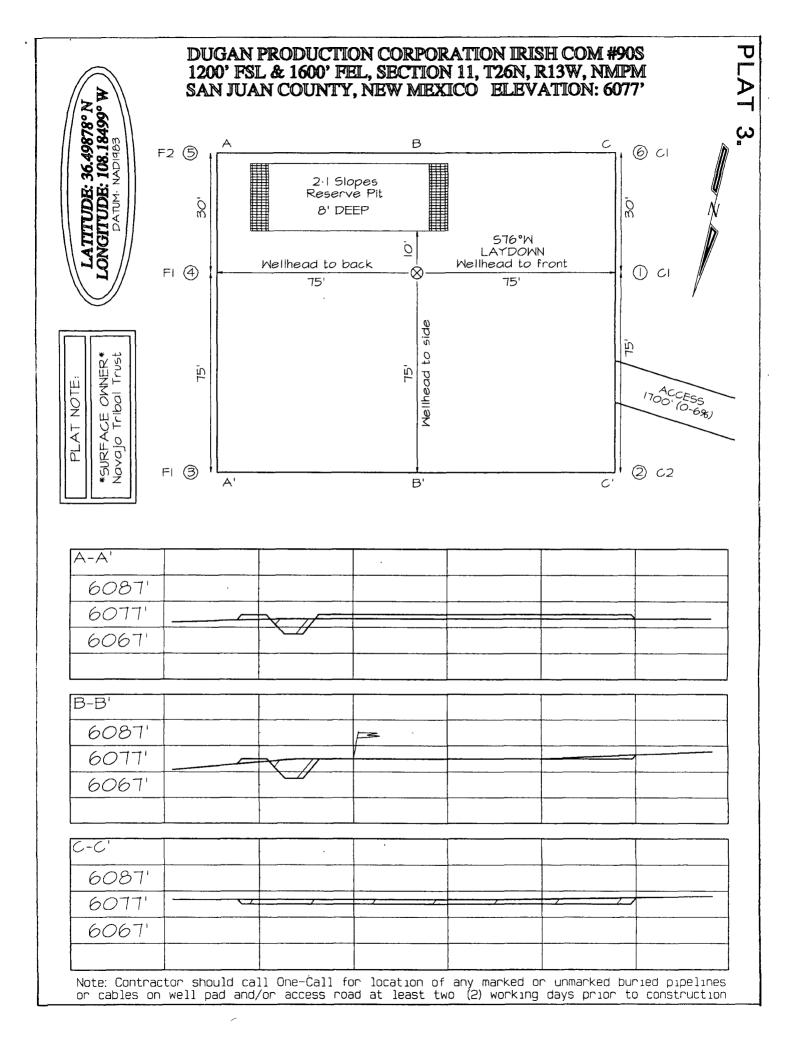


EXHIBIT B OPERATIONS PLAN Irish Com #90-S

APPROXIMATE FORMATION TOPS:

Ojo Alamo	Surface		
Kirtland	80′	Pictured Cliffs	1240′
Fruitland	930 ′	Total Depth	1400′

Catch samples every 10 feet from 1100 feet to 1400 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#	1400′	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 Sand, Fruitland Coal and Pictured Cliffs Sandstone. 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 120 cf 2%Lodense with 1/4# celloflake/sx followed by 95 cf Class "B" with 1/4 celloflake/sx. Total cement slurry for production stage is 215 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.

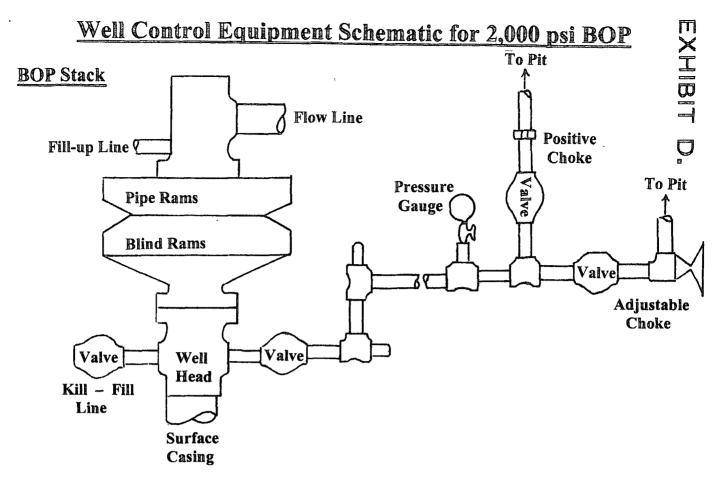
2" minimum choke line.

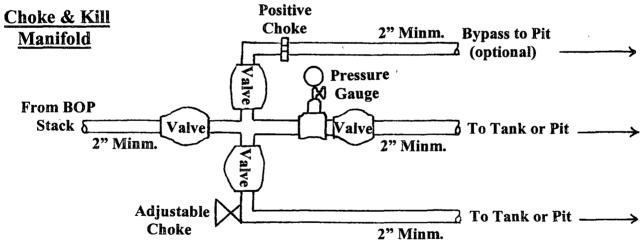
Fill-up line.

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.
IRISH COM #90-S