DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT  APPLICATION FOR PERMIT TO DRILL OR DEEPEN  INTERIOR WORK DRILL X  DEEPEN  TURK'S TOAST #93  INTERIOR OF WELL  UNITED STATES  TO WORK DRILL X  DEEPEN  TURK'S TOAST #93  INTERIOR OF WELL  UNITED STATES  TO WORK  DRILL X  DEEPEN  TURK'S TOAST #93  INTERIOR OF WELL  UNITED STATES  TO WORK  TURK'S TOAST #93  INTERIOR OF WELL  UNITED STATES  TO WORK  TURK'S TOAST #93  INTERIOR OF WELL  UNITED STATES  TO WORK  TURK'S TOAST #93  INTERIOR OF WELL  UNITED STATES  TO WORK  TURK'S TOAST #93  INTERIOR OF WELL  UNITED STATES  TO WORK  TURK'S TOAST #93  INTERIOR OF WELL  UNITED STATES  TO WORK  TURK'S TOAST #93  INTERIOR OF WELL  UNITED STATES  TO WORK  TO W	Form 3160-3	5 BLM	1 File			SUBMIT IN TRIPL	ICATE*	FORM APPRO	VED
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Well Well X ONE  TORK X ZONE  TURK'S TOAST #93  APPROVAL TORK WELL STATE  TURK'S TOAST #93  APPROVAL TORK WELL STATE  TURK'S TOAST #93  APPROVAL TORK WILL		Ga	s		SINGLE	MULTIPLE		B. FARM OR LEASE NAME, WELL N	o.
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(As to resource dept. unit from, if any)  500'  1840  320 N/2  EXECUTION (SOUTH INTERNATION)  1082'  ROTARY OR CARLE TOOLS  ROTARY  ROTARY OR CARLE TOOLS  ROTAR		न			`	TO THIS WELL			
TO MEMBET WELL, DESCURIC COMPLETED, ON APPLIED FOR, ON THIS LESSE, FT.  1380'  1082'  ROTATY  22. APPROX DATE WORK WILL START  ASAP  23. APPROX DATE WORK WILL START  ASAP  37. PROPOSED CASING AND CEMENTING PROCRAM  SIZE OF HOLE  GADES, SIZES OF CASING  WELGIT PER FOOT  37. 20# 120'  70 cu ft - circ to surface  37. 10.5# 1082'  165 cu ft - circ to surface  37. 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  300'-945'. The interval will be fractured.  This action is explosed to reconnect and production procedure with attached by the completed from approximately procedural review pursuant to 43 CFR 3166-3  cond epocal pursuant to 43 CFR 3166-3  conditionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventor program, if any.  SIGNED Last Last Last Last Last Last Last Last	-		500'	184	40			320 N/2	
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Annomati by Title Cote	SIZE OF HOLE  3-3/4"  3-3/4"  A water based govill be used to do  30'-945'. The in  P  On  A BOVE SPACE DESCRIBE  RECEPT directionally, give property.  SIGNED / LA  This space for Federal or Signery.	el-mud will rill production terval will his action is recedural rend special production terval will his action is recedural rend special production terval will his action is recedural rend special production to the recedural rend special production to the recedurate of the recedura	be used to con hole. The be fractured to wiew pursuant to street and the street are street as a street are street	weight per R 20# 10.5#  drill surface and p e Fruitland Coal w i. schmood and at to 43 CFR \$166. correct and to deepen, give data on pres and measured and true vertica	TOT S  120' 1082'  roduction cas vill be comple  SUBJECT TO  "GENERAL R sent productive zone a al depths. Give blowo	ing hole. St ted from app COMPLIANCE ' EQUIREMENTS' and proposed new pro-	AURIZEI WITH AT "," oductive zon n, if any.	QUANTITY OF CEMENT  It - circ to surface  If - circ to surface  2,000 psi BOP  ately  ARE TACHED  TACHED  TACHED  TACHED  TACHED  TACHED  TACHED  TACHED  TACHED  TACHED	· · · · · · · · · · · · · · · · · · ·
	SIZE OF HOLE  3-3/4"  3'4"  A water based govill be used to do  30'-945'. The in  A BOVE SPACE DESCRIBE  D	el-mud will rill production terval will his action is recodural rend special production terval will his action is recodural rend special production terval will his action is recodurated to the special production to the special	be used to con hole. The be fractured to wiew pursuant to street and the street are street as a street are street	weight per R 20# 10.5#  drill surface and p e Fruitland Coal w i. schmood and at to 43 CFR \$166. correct and to deepen, give data on pres and measured and true vertica	TOT S  120' 1082'  roduction cas vill be comple  SUBJECT TO  "GENERAL R sent productive zone a al depths. Give blowo	ing hole. St ted from app COMPLIANCE ' EQUIREMENTS' and proposed new pro-	AURIZEI WITH AT "," oductive zon n, if any.	QUANTITY OF CEMENT  It - circ to surface  If - circ to surface  2,000 psi BOP  ately  ARE TACHED  TACHED  TACHED  TACHED  TACHED  TACHED  TACHED  TACHED  TACHED  TACHED	· · · · · · · · · · · · · · · · · · ·

District #I RO Eax 1980, Hobbs, NM 88241-1980

District II PO Crawer OD, 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

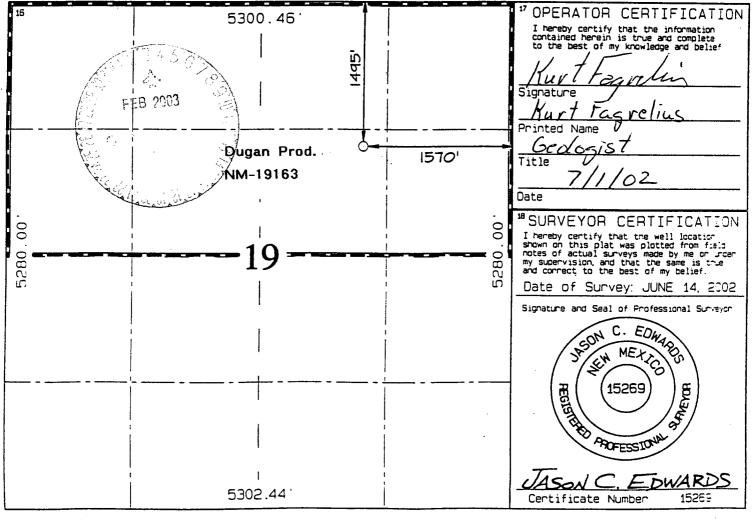
Revised February 21, 1994 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

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

AMENDED REPORT

Form 0-102

			WELL	LOCAT	ION AND	) A	CREAGE DED	ICATION P	_AT			
	API Numbe	ir		*Pool Co	de			Pool Na	ue.			
30-09	15-2	30719	3	71629	9		BA	SIN FRUITL	AND C	DAL		
*Property	Code		<u></u>		*Pro	pert	y Name			*We	ell Number	
1386	5				TURK	(S	TOAST				93	
'OGRID	No.				*Ope	rator	Name				leyation	
0065	15			DUGAN	PRODUC	TI	ON CORPORAT	ION			5482	
<u> </u>					<sup>10</sup> Surfa	ce	Location					
UL or lot no.	Section	Township	Pange	Lot Ion	Feet from	tre	North/South line	Feet from the	East/We	est line	County	
G	19	30N	14W		1495		NORTH	1570	EA	ST	SAN JUAN	
		11 🖯	ottom	Hole L	ocation	ı I	f Different	From Surt	ace		<del></del>	
UL or let no.	Section	Township	Range	Lot Idn	Feet from	the	North/South line	Feet from the	East/We	est line	County	
<sup>12</sup> Oedicated Acres		.0 ACRE	S - (N	1/2)	<sup>13</sup> Joint or Ind	†ill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.				
NO ALLOW	IABLE W	ILL BE A	SSIGNE NON-ST	D TO TH ANDARD	IS COMPL UNIT HAS	ETI	ON UNTIL ALL	INTERESTS H BY THE DIVI	AVE BE	EN CON	ISOLIDATED	
16			53	100.46	<b></b>						FICATION	
				1				Containe	certify dentify	is true an	nformation d complete	



Form \$160-5 (August 1999)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 200

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals

5.	Lease Serial No.	
	NM-19163	
6.	If Indian, Allottee or Tribe Name	

abandoned we	II. Use form 3160-3 (APD)	for such pro	posals.		o. Il main, Anottee	or time name
SUBMIT IN TRI	PLICATE - Other instruction	ons on rever	se side.	232	7. If Unit or CA/Agre	cement, Name and/or No.
1. Type of Well  Oil Well Gas Well Oth	ner		FEB	2003	18. Well Name and No	). 93
Name of Operator     DUGAN PRODUCTION COR		JRT FAGREI Mail: kfagreijus	_IUS @duganproduc		9. API Well No.	
3a. Address 709 EAST MURRAY DRIVE FARMINGTON, NM 87401	8	8b. Phone No. (i Ph: 505.325. Fx: 505.327.4			10. Field and Pool, of BASIN FRUITL	
4. Location of Well (Footage, Sec., T	., R., M., or Survey Description)		V 6/ 61	0 X/3	11. County or Parish,	, and State
Sec 19 T30N R14W SWNE 16	635FNL 1360FEL		a California	Sin	SAN JUAN CO	UNTY, NM
12. CHECK APPE	ROPRIATE BOX(ES) TO I	NDICATE N	ATURE OF	NOTICE, RI	EPORT, OR OTHE	ER DATA
TYPE OF SUBMISSION			ТҮРЕ О	F ACTION		
Notice of Intent	☐ Acidize	□ Deeper	n	□ Product	ion (Start/Resume)	■ Water Shut-Off
_	☐ Alter Casing	☐ Fractu	re Treat	☐ Reclam	ation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	□ New C	construction	☐ Recomp	olete	Other
☐ Final Abandonment Notice	☐ Change Plans	Plug at	nd Abandon	Tempor	arily Abandon	Change to Original A PD
	☐ Convert to Injection	Plug B	ack	☐ Water I	Disposal	
Amend APD submitted 7/5/20/9/28/2001.  Original location: 1635' FNL & 15 New location: 1495' FNL & 15	k 1360' FEL - Sec. 19, T30N 670' FEL - Sec. 19, T30N, R	I, R14W	e BLM by let	er dated	FARMINGTON, I	
14. I hereby certify that the foregoing is	true and correct.	Ī			<b>E</b> 0	
Name (Printed/Typed) KURT FAC	GRELIUS	Т	ide GEOLO	GIST	·	
Signature Kurt	Fagrelin	D	ate 07/01/2	002		
	THIS SPACE FOR	FEDERAL	OR STATE	OFFICE U	SE	
isi bav	id J. Mankiewicz		l		T	-0
Approved By			Title		Date	20 3003
Conditions of approval, if any, are attached certify that the applicant holds legal or equal which would entitle the applicant to condu	itable title to those rights in the su		Office		7	AN 30 2003
Title 18 U.S.C. Section 1001 and Title 43 V States any false, fictitious or fraudulent s	U.S.C. Section 1212, make it a critatements or representations as to	me for any perso any matter withi	n knowingly and n its jurisdiction.	willfully to ma	ike to any department or	agency of the United

## EXHIBIT B OPERATIONS PLAN

Turk's Toast #93

### APPROXIMATE FORMATION TOPS:

Kirtland surface Fruitland 520' Pictured Cliffs 957'

Total Depth 1082'

LOGGING PROGRAM: Run cased hole CNL-CDL

Catch samples every 10 feet from 700 feet to total depth.

#### CASING PROGRAM:

Hole	Casing		Setting	Grade and
<u>Size</u>	<u>Size</u>	Wt./ft.	<u>Depth</u>	<u>Condition</u>
8-3/4"	7"	20#	±120'	J-55-new
6-1/4"	4-1/2"	10.5#	±1082'	J-55-new

Plan to drill a 8-3/4" 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 Fruitland Coal Formation. 4½", 10.5# J-55 casing will be run and cemented. Cased hole CNL-CDL 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: All volumes are contingent upon Caliper logs.

<u>Surface</u>: Cement with 70 cu.ft. Class "B" neat. Circulate 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. If no Ojo Alamo is present, no centralizers will be run on surface casing. 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" x 4-1/2" casing head, 1000#WP, tested to 2000# Huber 4-1/2" x 2-7/8" tubing head, 1000# WP, tested to 2000#

BOP and Related Equipment will include for a 2000 psi system:

Annual 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

> Dugan Prod.Corp. Office & Radio Dispatch: 325-1821 Kurt Fagrelius 325-4327 John Alexander 325-6927 Mark Brown 327-3632 Sherman Dugan 327-3121 John Roe 326-1034