Form 3160-3 (April 2004) UNITED STATE	2005 MAY 3 64°	PORM APPROVED OMB No. 1004-0137 Expires March 31, 2007
DEPARTMENT OF THE	INTERIOR RECEIVE	
APPLICATION FOR PERMIT TO	DRILL OR REENTER MING	6. If Indian, Allotee or Tribe Name
la. Type of work: DRILL REENT	ER	7 If Unit or CA Agreement, Name and No.
ib. Type of Well: Oil Well Gas Well Other	Single Zone Multiple Z	8. Lease Name and Well No. Pierre Com #90-S
2 Name of Operator Dugan Production Corp.		9. API Wed No. (-33058
3a. Address 709 East Murray Drive, Farmington, NM 87461	36. Phone No. (Include area code) 505-325-1821	10. Field and Pool, or Exploratory Basin Fruitland Coa
At surface 2500' FNL & 1800' FWL At proposed prod. zone Same as above	1939 State regularments."9	11. Soc., T. R. M. or Blk. and Survey or Area FSec. 23, T23N, R11W
14. Distance in miles and direction from nearest town or post office. Approx. 13-miles SW of Blanco	Trading Post, NM	12. County or Parish 13. State Son Juan NM
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig, unit line, if any)		Spacing Unit dedicated to this well W/2-320 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 2500		BLM/BIA Boad No. on file
21. Elevations (Show whether DF, KDB, RT, GL, etc.) GL SO 17	22. Approximate date work will start 6/20/2005	23. Estimated duration 3-days
	24. Attachments	
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest System SUPO shall be filed with the appropriate Forest Service Office). 	4. Bond to cover the oplitem 20 above). 1 Lands, the 5. Operator certification	perations unless covered by an existing bond on file (see
25. Signature Kurt Faguelin Title Geology	Name (PrintedTyped)	Date 4/28/2005
Approved by (Signature)	Name (Printed/Typed)	use and Date 9/6/03
Title Action Afm	Office F-FO	
Application approval does not warrant or certify that the applicant hole conduct operations thereon. Conditions of approval, if any, are attached.	ds legal or equitable title to those rights in t	he subject lease which would entitle the applicant to
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a c States any false, fictitious or fraudulent statements or representations as	rime for any person knowingly and willful to any matter within its jurisdiction.	ly to make to any department or agency of the United

*(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 420' - 490'. The interval will be fractured.

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

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

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

District II' PO Drawer DD, Artesia, NM 88211-0719

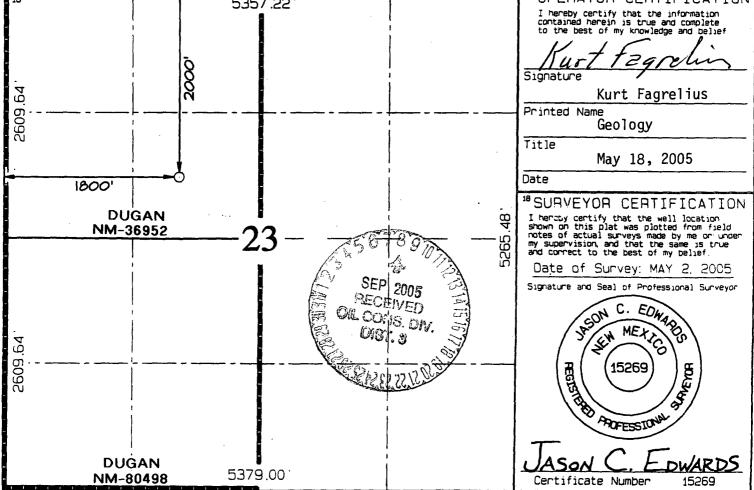
District III 1000 Rio Brazos Ad., Aztec, NM 87410

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	LOCATI	ON AND A	CREAGE DED:	ICATION PL	_AT	
'API Number 'Pool Code 'Pool Name 71629 BASIN FRUITLAND COAL									
Property 3509							vell Number 905		
'0GRID 00651	i			DUGAN	*Operator PRODUCTION	Name ON CORPORATI	ON		6306 ·
					¹⁰ Surface	Location			
UL or lot no.	Section 23	Townshap 23N	Range 11W	Lot Idn	Feet from the 2000	North/South line NORTH	Feet from the 1800	East/West line WEST	SAN JUAN
	·	11 E	ottom	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
Dedicated Acres		0.0 Acre	s - (W	/2)	³⁹ Joint or Infill	⁵⁴ Consolidation Code	¹⁵ Order No.	I	
NO ALLOW	NABLE W					ON UNTIL ALL	INTERESTS H BY THE DIVI	AVE BEEN CO	NSOL IDATED
. 64'		,000		357.22			I hereby containe	Kurt Fagi	information and complete ge and belief



Submit 3 Copies To Appropriate District Office	State of N	New Me	exico		Form C-	103
District I	Energy, Minerals a	ind Nati	ıral Resources	WELL API NO	March 4, 2	2004
1625 N. French Dr., Hobbs, NM 88240 District II	OH GOVERNY			WELL API NO		
1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERV			5. Indicate Typ	e of Lease	
District III 1000 Rio Brazos Rd., Aztec, NM 87410	1220 South			STATE	☐ FEE ☐ Fee	d.XX
District IV	Santa Fe,	NM 8	/505	6. State Oil &		
1220 S. St. Francis Dr., Santa Fe, NM 87505				Federal	NM-36952	
	CES AND REPORTS ON			7. Lease Name	or Unit Agreement Nam	ıe e
(DO NOT USE THIS FORM FOR PROPOSED DIFFERENT RESERVOIR. USE "APPLICATION OF THE PROPOSED PROPOSED IN THE PROPOSED PROPOS				Pierre C	Om	
PROPOSALS.)				8. Well Numbe		
1. Type of Well: Oil Well Gas Well XX	Other			90-S	•	j
				9. OGRID Nun		
2. Name of Operator Dugan	Production Corp.			9. OGRID Nun	006515	
3. Address of Operator				10. Pool name	or Wildcat	
709 East Murray Dri	ve, Farmington, Ne	w Mex	ico 87401	Basin Fru	itland Coal	
4. Well Location						
Unit Letter F :	2000 feet from the	north	line and 18	300 feet fr	om the West	ne
ì						
Section 23	Township 23N	R	ange 11W	NMPM	County San Juan	
	11. Elevation (Show whe	ther DR	, RKB, RT, GR, etc.			
Pit or Below-grade Tank Application (For	GL-6306' pit or below-grade tank closur	es, a form	C-144 must be attache	160 × 160	> 100	0
Pit or Below-grade Tank Application (For Pit Location: UL F Sect 23 Twp 23	BN Rng11W Pit type Dril	ling _D	epth to Groundwater	Distance from	nearest fresh water well	0,
Distance from nearest surface water 10	00 Below-grade Tank Loca	tion UL_	SectTw	Rng	,	
feet from theline and	feet from the	line			·	
L					~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ 	
12. Check A	appropriate Box to Ind	icate N	ature of Notice.	Report or Othe	r Data	
NOTICE OF IN				SEQUENT RE		
PERFORM REMEDIAL WORK	PLUG AND ABANDON		REMEDIAL WOR	K 🗆	ALTERING CASING	
TEMPORARILY ABANDON	CHANGE PLANS		COMMENCE DR	ILLING OPNS.	PLUG AND [ABANDONMENT	
PULL OR ALTER CASING	MULTIPLE		CASING TEST A	ND 🗆	ADAIDONNEIT	
	COMPLETION		CEMENT JOB			
OTHER: Reserve pit for d	rilling, lined	KX	OTHER:		(_
13. Describe proposed or compl			pertinent details, an	d give pertinent da	tes, including estimated	date
of starting any proposed wo	rk). SEE RULE 1103. Fo	r Multip	le Completions: At	tach wellbore diag	ram of proposed comple	tion
or recompletion. A water hole. Standard 2,00	r Dased gel-mud wi No nei RAD will be	11 be	used to dril	l surface and	production casi	ng
will be lined with a	an impervious mate	rial a	and be abandoi	ned as per Bl	M conditions of	t .
approval, following	completion of the	well.	•	pc		
I hereby certify that the information a	bove is true and complete	to the be	est of my knowledg	e and belief. I furth	er certify that any pit or belo	ow-
grade tank has been/will be constructed or federal lease, pits will	closed according to NMOCD gu be constructed a	idelines I	a general permit [] andoned as pe	or an (attached) alter	native OCP-approved plan [Ons of approval a	IN T D
grade tank has been/will be constructed or Federal lease, pits will SIGNATURE	and T	TLE_G	eologist ^{IV N}	NOCH golde	DATE Hay 18, 2	005
- Kunt Fagnoli						
Type or print name Kurt Fagreli	ius _E	-mail ad	dress: kfagrelius	@duganproduç	tion com 505-325-	
	us <u>e</u>	-mail ad	dress:	@duganproduç	tion com. 505-325-	
(This space for State use) APPPROVED BY	My		dress: kfagrelius		tion.com.505-325-	

DUGAN PRODUCTION CORPORATION PIERRE COM #90S 2000' FNL & 1800' FWL, SECTION 23, T23N, R11W, NMPM SAN JUAN COUNTY, NEW MEXICO ELEVATION: 6306' ONGITUDE: 107°58'36 ATTTUDE: 36'12'50 В 6 F2 FI (5) 2:1 Slopes Reserve Pit 35 8' DEEP NO9°E <u>ō</u> LAYDOWN Wellhead to front Wellhead to back (I) FI -0- ④ 100 100' FI <u>0</u> Wellhead to side <u>0</u> 00 SURFACE OWNER! PLAT NOTE C5 3 2 **G**3 B' A-A' 6317' 6307 6297' B-B' 6317 6307' 6297 0-0 6317' 6307 6297' Note: Contractor should call One-Call for location of any marked or unmarked buried pipelines

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

Form 3160-5	UNITED S	TATES			FORM APPROVED
(June 1990)	DEPARTMENT OF TH				Budget Bureau No. 1004-0135
	BUREAU OF LAND M	ANAGEMENT			Expires: March 31,1993
	OUNDRY NOTICES A	ND DEDODTS ON W	/Et 1 6		5. Lease Designation and Serial No.
	SUNDRY NOTICES A	· · · · · · · · · · · · · · · · · · ·		.i=	NM-36952
	Do not use this form for proposals to Use "APPLICATION FOR	•	•	nr.	6. If Indian, Allotted or Tribe Name
		TRIPLICATE			·
1. Type of Well					7. If Unit or CA, Agreement Designation
	Oi VV Gas				
	Well XX Well	Other			· .
2. Name of Ope	Dugan Production Co	rp.			8. Well Name and No.
3. Address and					Pierre Com #90-S
er vermete filiti	709 East Murray D	rive			3004533058
Location of Wel	I (Footage, Sec., T., R., M., or Survey Description)				10. Field and Pool, or Exploratory Area
	Sect. 23, T23N, R	11W			Basin Fruitland Coal
	2000' FNL and 180	O' FWL			11. County or Parish, State
40 01150	WARREDORDIATE ROYALTO IND	CATE MATURE OF	NOTICE DEPORT OF	2 01	San Juan, New Mexico
12. CHEC	K APPROPRIATE BOX(s) TO IND TYPE OF SUBMISSION	CATE NATURE OF	TYPE OF ACTION		HER DATA
XX	Notice of Intent	Abandonment		团	Change of Plans
	1	Recompletion	•		New Construction
	Subsequent Report	Plugging Back			Non-Routine Fracturing
		Casing Repair			Water Shut-Off
ш	Final Abandonment Notice	Altering Casing XX Other	Move original	8	Conversion to Injection Dispose Water
		EAR COINE	location.	ч	(Note: Report results of multiple completion on Well
	sposed or Completed Operations (Clearly state all pertinen			ny prop	Completion or Recompletion Report and Log form.) used work. If well is directionally drilled,
give	subsurface locations and measured and true vertical dept	hs for all markers and zones perlin	ent to this work.)"		
Oriai	nal location had to be mov	ed for geologic	al reasons. A ne	w C	-102, developmental plan
(Ex.	A), operations plan (Ex.B)	, pipeline surv	ey (P1. 2), cut a	nd	fill diagram (Pl. 3),
topog	raphic map (Ex. E) and NM	form C-103 are	enclosed.		
	7200				
	(50109M)				
					ా <i>చేస్</i> అ
	SEP 2005 RECLIVED O'L COMS. DIV. DIST. 3				
	RECEIVED	[3]	OONDITIONS		
	© OIL CONS. DIV.	जी .	CONDITIONS OF		ROVAL
	DIST. 3		Adhere to previously issu	led s	tipulations.
		¥	for Operation	K S	par- a
	\$25277.53 To Market				
14. I hereby ca	rtify that the foregoing is true and correct				
•	V + C /				
Signed	Murl Tegnelos	Title Geology	Date	٠ .	May 18, 2005
This space for F	ederal or State office user)				
		2 11.	Affin Date		0/1/2-
opproved by	fage course		Date	-	1/0/03

se 18 U.S.C. Section 1001, makes 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 representations as to any matter within its jurisdiction.

EXHIBIT B OPERATIONS PLAN

Pierre Com #90-S

APPROXIMATE FORMATION TOPS:

Kirtland	Surface	Pictured Cliffs	490′
Fruitland	225′	Total Depth	650 <i>′</i>

Catch samples every 10 feet from 400 feet to 650 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#	650 ′	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 60 cf 2%Lodense with %# celloflake/sx followed by 40 cf Class "B" with %# celloflake/sx.

Total cement slurry for production stage is 100 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.

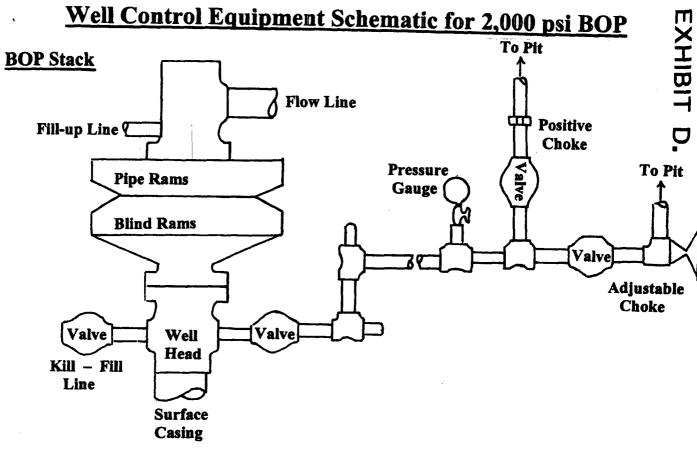
Fill-up line.

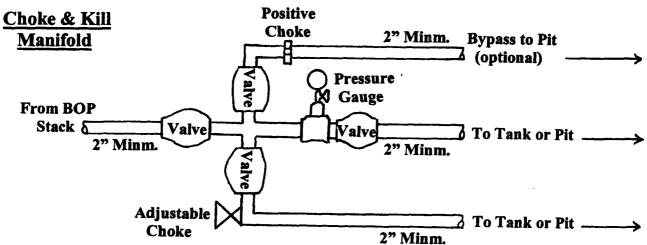
Contacts:

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

Manala Danasan

Mark	Brown	327-3632 320-8247	٠.
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.
PIERRE COM #90-S