Form 3160-3 (April 2004)			OMB No	APPROVED . 1004-0137 tarch 31, 2007
UNITED STATES DEPARTMENT OF THE II BUREAU OF LAND MANA	TILIMOTO THE STATE OF	M 11	Lease Serial No. NO-G-0502-171	
APPLICATION FOR PERMIT TO I		ED	6. If Indian, Allotee	or Tribe Name
AFFLICATION FOR FERMIN TO	OTO EARMING	GTON I	Navajo Allotte	d
la. Type of work: DRILL REENTE	R		7 If Unit or CA Agree	ement, Name and No.
lb. Type of Well: Oil Well Gas Well Other	Single Zone Multip	ple Zone	8. Lease Name and V Bert Com #90	
2. Name of Operator Dugan Production Corp.			9. API Well No. 30-045- 32	924
3a. Address 709 East Murray Drive, Farmington, NM 87401	3b. Phone No. (include area code) 505-325-1821		10. Field and Pool, or E Basin Fruitlan	•
4. Location of Well (Report location clearly and in accordance with any	State requirements.*)		11. Sec., T. R. M. or B	lk. and Survey or Area
At surface 2295 'FNL & 805' FEL, Lat. 36,20'3 At proposed prod. zone Same as above.	H Sec. 2, T24N, R11W NMPM			
14. Distance in miles and direction from nearest town or post office* Approximately 8-miles west of Blanco Trading Post, NM			12. County or Parish San Juan	13. State NM
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 805'	16. No. of acres in lease 161.2		g Unit dedicated to this v	vell 12 13 14 75 14 15 15 14 15 15 14 15 15 14 15 15 14 15 15 14 15 15 14 15 15 14 15 15 14 15 15 14 15 15 15 14 15 15 15 15 15 15 15 15 15 15 15 15 15
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 2,800'	19. Proposed Depth 1600'	20. BLM/	BIA Bond No. on file	ON AUG 200
21. Elevations (Show whether DF, KDB, RT, GL, etc.) GL-6731'	22 Approximate date work will sta 03/25/2005	urt*	23. Estimated duration 5-days	
	24. Attachments		£C.,	.0 00 VA
 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 t Item 20 above). Lands, the 5. Operator certific	the operation	1	existing bond on file (see
25. Signature	Name (Printed/Typed)			Date
Iwt tzgrum	Kurt Fagrelius			02/23/2005
Title / Geologist				
Approved by (Signature) RIMA Adm)	Name (Printed/Typed) POLAND	Ac)AMS	Date 8/12/05
Title Application approval does not warrant or certify that the applicant hold: conduct operations thereon. Conditions of approval, if any, are attached.	Office FA12WING s legal or equitable title to those righ	TON hts in the sub	DISTIZIC oject lease which would e	TOFICE ntitle the applicant to
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a cr States any false, fictitious or fraudulent statements or representations as t		willfully to n	nake to any department o	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 1,430' - 1,445'. 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, Antesia, NM 88211-0719

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

Section

321.22 Acres - (E/2)

UL or lot no.

12 Dedicated Acres

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

County

WELL LOCATION AND ACREAGE DEDICATION PLAT

1/	API Numbe	r _		*Pool Cod	e	'Pool Name				
30-	045-	_3296	24	71629		BASIN FRUITLAND COAL				
*Property	Code		*Property Name					-W	Well Number	
349	27		BERT COM 905					905		
'OGRID	No.		*Operator Name *Elevation					Elevation		
00651	.5			DUGAN	PRODUCTI	OUCTION CORPORATION 6731				
¹⁰ Surface Location										
UL or lot no.	Section	Township	Range	Lat Idn	Feet from the	North/South line	Feet from the	East/West line	County	
Н	5	24N	11W		2295	NORTH	805	EAST	SAN JUAN	
11 Bottom Hole Location If Different From Surface										

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

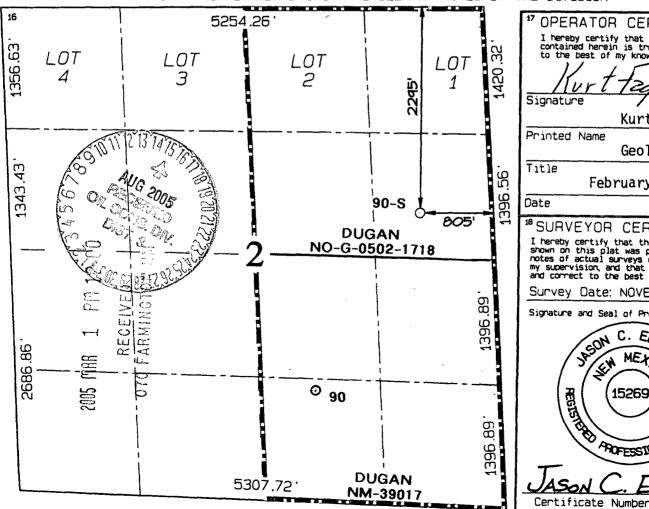
Faet from the

33 Joint or Infill

North/South line

⁵⁴ Consolidation Code

Feet from the



Lot Ion

OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature Kurt Fagrelius Printed Name Geologist Title February 23, 2005 Date *SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Survey Date: NOVEMBER 23, 2004 Signature and Seal of Professional Surveyor C. EDWARDS 15269 AGFESSION

15269

East/West line

Office Office		t New M			Form C-10	
District I	Energy, Mineral	ls and Nati	ural Resources	WELL API NO	March 4, 20	04
1625 N. French Dr., Hobbs, NM 88240 District II				WELL API NO	•	
1301 W. Grand Ave., Artesia, NM 88210	OIL CONSER			5. Indicate Typ	e of LeaseNavajo Allo	it.
District III	1220 Sou	th St. Fra	ncis Dr.	STATE		
1000 Rio Brazos Rd., Aztec, NM 87410 District IV	Santa l	Fe, NM 8	7505	6. State Oil & C		1
1220 S. St. Francis Dr., Santa Fe, NM				Nav Allot	ed NO-G-0502-1718	1
87505 SUNDRY NOT	TICES AND REPORTS	ON WELL	2		or Unit Agreement Name	\dashv
(DO NOT USE THIS FORM FOR PROPO				7. Dease Name	or Omi rigicoment ivanic	
DIFFERENT RESERVOIR. USE "APPL	ICATION FOR PERMIT" (FO	RM C-101) F	OR SUCH	В	ert Com	}
PROPOSALS.) 1. Type of Well:				8. Well Numbe	r oo s	
Oil Well Gas Well	X Other				90-S	
2. Name of Operator		···		9. OGRID Nun	nher	-
Dugan	Production Corp.			7. 33,00	006515	-
3. Address of Operator 709 East Murray Dr	ive, Farmington,	New Mex	ico 87401	10. Pool name of Basin F	or Wildcat ruitland Coal	
4. Well Location				······································		\neg
	2205	hautl	,	205	. east	
Unit Letter H:	2295 feet from the	e	line and	feet fr	om theline	;
Section 2	Township	24N R	ange 11W	NMPM	_{County} San Juan	
Bection	11. Elevation (Show)				County	
Pit or Below-grade Tank Application (Fo		sures, a form	C-144 must be attache	ed)	>200'{1000 _{#100}	
Pit Location: UL H Sect 2 Twp.	24N Rug 11W Pit type Dr	illing _D	enth to Groundwater	+100 Distance from	nearest fresh water well	θÌ
Distance from nearest surface water_	250 Below-grade Tank L	ocation III.	Sect Twi	n Rng	:	
feet from theline and					,	
	Appropriate Box to I NTENTION TO: PLUG AND ABANDO			SEQUENT RI]
TEMPORARILY ABANDON	CHANGE PLANS		COMMENCE DR	ILLING OPNS.	PLUG AND ABANDONMENT	ļ
PULL OR ALTER CASING	MULTIPLE COMPLETION		CASING TEST A CEMENT JOB	ND	,	
OTHER: Reserve pit for	drilling, lined	ХX	OTHER:			l
13. Describe proposed or composed with any proposed w	ork). SEE RULE 1103.	For Multip	ole Completions: A	ttach wellbore diag	gram of proposed completi	on
or recompletion. A wate						
hole. Standard 2,0						
will be lined with approval, following				ned as per Bl	M conditions of	
approvate to trow in	y completion of t	MC WCII	•			
71. 1	-1			11 1 7		
I hereby certify that the information grade tank has been/will be constructed o						
SIGNATURE Kurt Fa	ndin	_TITLE_	Geologist		DATE_ 02/23/2005	5
Type or print name Kurt Fagre	lius	E-mail ac	ddress:	s@duganprodug	tion.com.505-325-	<u>1821</u>
(This space for State use)	011				· · · · .	
APPPROVED BY	1/huli	TITLE		ISPECTOR, DIST. &	DATE	مُمَّد
Conditions of approval, if any:						

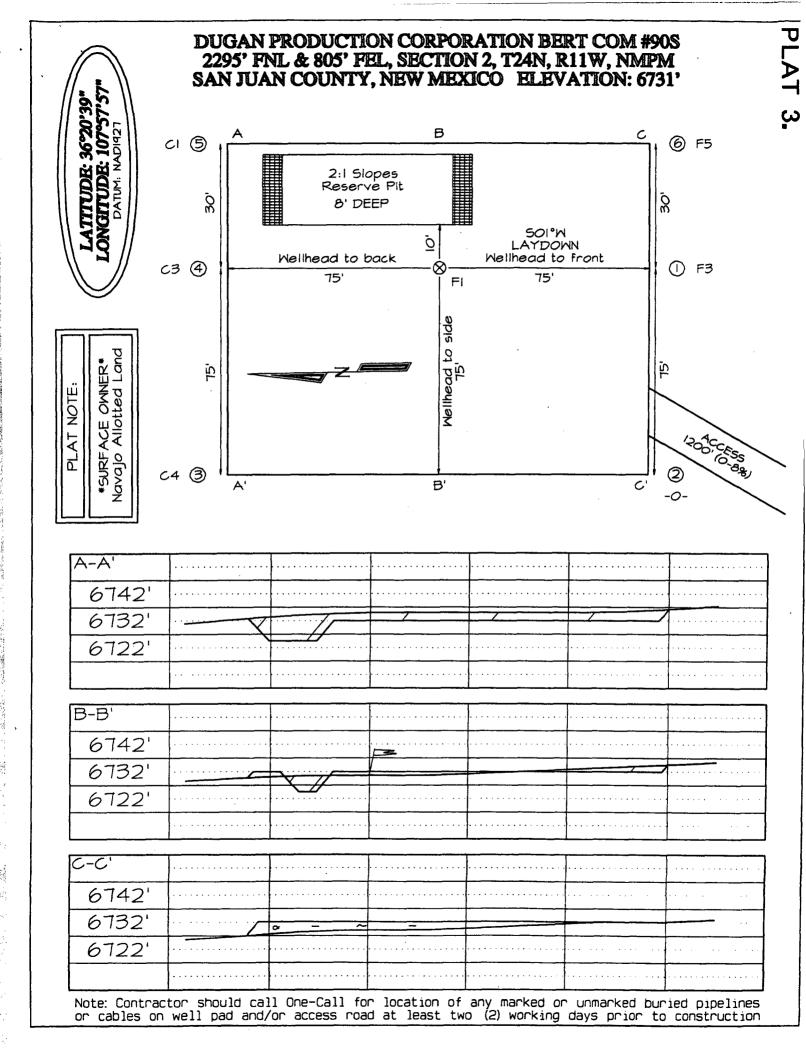


EXHIBIT B OPERATIONS PLAN

Bert Com #90-S

APPROXIMATE FORMATION TOPS:

Ojo Alamo	460′
Kirtland	550 <i>′</i>
Fruitland	1150′
Pictured Cliffs	1450′
Total Depth	1600′

Catch samples every 10 feet from 1300 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
11"	8-5/8"	24#	120'	J-55
7 "	5-1/2"	14#	1600′	J-55

Plan to drill a 11" 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 160 cf 2%lodense with %# celloflake/sx followed by 90 cf Class "B" with %# celloflake/sx.

Total cement slurry for production stage is 250 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.

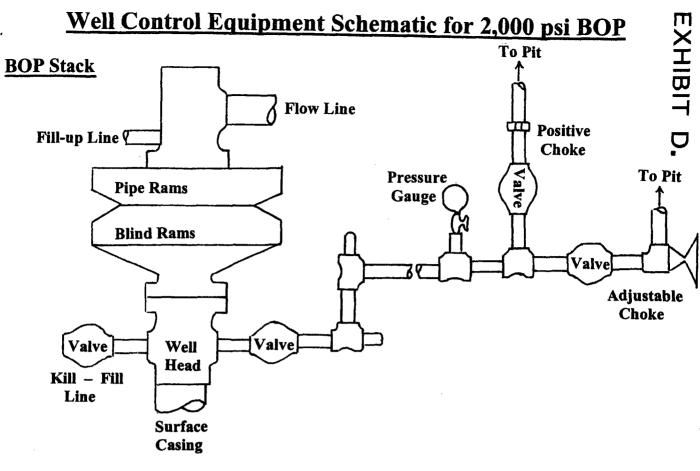
Fill-up line.

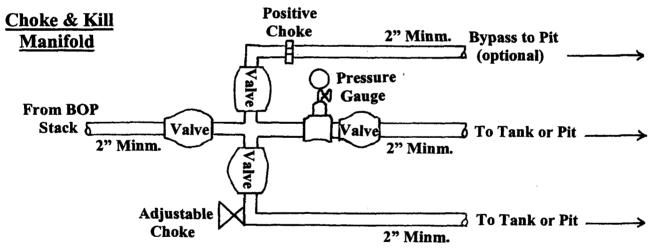
Contacts:

THE PARTY OF THE P

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.
BERT COM #90-S