UNITED STATES
DEPARTMENT OF THE INTERIOR

FORM APPROVED OMB No. 1003-0136 Expires November 30, 2000

DEPARTMENT OF	THE INTERIOR			
BUREAU OF LAND	MANAGEMENT	5. Lease Serial No.		
		NM-43442		
APPLICATION FOR PERMIT	_ '	6. If Indian, Allottee or Tribe Name		
2000	NUV 23 FM 10 22			
la. Type of Work: ☑ DRILL ☐ REENTER		7. If Unit or CA Agreement, Name and No.		
	RECEIVED			
1b. Type of Well: ☐ Oil Well 🛮 Gas Well 🔲 🖯	TO FARM Single Zone	8. Lease Name and Well No. Biff #90-S		
Name of Operator Contact DUGAN PRODUCTION CORP.	: KURT FAGRELIUS E-Mail: kfagrelius@duganproduction.com	9. API Well No. 30-045- 33454		
3a. Address 709 EAST MURRAY DRIVE FARMINGTON, NM 87401	3b. Phone No. (include area code) Ph: 505.325.1821 Fx: 505.327.4613	10. Field and Pool, or Exploratory Basin Fruitland Coal		
4. Location of Well (Report location clearly and in accord	ance with any State requirements.*)	11. Sec., T., R., M., or Blk. and Survey or Area		
At surface 800' FNL and 1600' FWL, At proposed prod. zone Same as above	Lat. 36.1813, Long. 107.5519	C Sec. 20, T24N, R10W NMPM		
14. Distance in miles and direction from nearest town or post Approx. 8-miles SW of Blanc	office* o Trading Post, NM	12. County or Parish 13. State San Juan NM		
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig, unit line, if any)	16. No. of Acres in Lease	17. Spacing Unit dedicated to this well		
800 Feet	1271.56 Acres	W/2-320.0 Acres		
 Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 	19. Proposed Depth	20. BLM/BIA Bond No. on tile		
Approx. 2800 Feet	1390 Feet	On File		
21. Elevations (Show whether DF, KB, RT, GL, etc.	22. Approximate date work will start ASAP	23. Estimated duration 5-Days		
		0 50,0		
	24. Attachments	·		
The following, completed in accordance with the requirements of	of Onshore Oil and Gas Order No. 1, shall be attached to the	nis form:		
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest Sys SUPO shall be filed with the appropriate Forest Service Of the Company of the Property of	Item 20 above). tem Lands, the 5. Operator certification	ns unless covered by an existing bond on file (see		
25. Signature Kurt Fegrelin	Name (Printed/Typed) KURT FAGRELIUS	Date 11/22/05		
Title GEOLOGIST				
Approved by Signatural	Name (Printed/Typed)	Date 3/5/66		
Title AFI	Office F			

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.

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct

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 1190' - 1215'. The interval will be fractured.



operations thereon.

Conditions of approval, if any, are attached.

NMOCD g District I 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

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

Certificate Number

15269

0 Box 2088,	Santa Fe.	NM 87504-	-2088								
/			WELL	LOCAT	ON AND A	CREAGE DED]	ICATION PL	.AT			
'API Number 'Pool Code 'Pool Name						e					
30-046	5~33	33454 71629 BASIN FRUITLAND COAL						_			
Property	Code				Property Name BIFF				Well Number 905		
'0GRID 1	- 1			DUGAN	*Operator PRODUCTIO	Name ON CORPORATI	ON		_	levation 6635	
					¹⁰ Surface	Location	<u> </u>				
UL or lot no.	Section 20	Township 24N	Range 10W	Lot Idn	Feet from the	North/South line NORTH	Feet from the 1500	East/West WES		SAN	-
	·	11 [Bottom	Hole L	ocation I	f Different	From Surf	ace		<u> </u>	
UL or lot no.	Section	Township	Range	Lat Idn	Feet from the	North/South line	Feet from the	East/West	line	Cour	ity
¹² Dedicated Acres	320	.0 Acres	5 - (W/	(2)	13 Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.	<u> </u>		<u> </u>	
NO ALLOW	IABLE W	ILL BE A	ASSIGNEI NON-ST	D TO TH	IS COMPLETION OF THE COMPLETIO	ON UNTIL ALL EN APPROVED	INTERESTS H BY THE DIVI	IAVE BEEN	N CON	ISOL IDA	TED
16	2676.: 00'	,008			262	7.46	I hereby containe to the t	Kurt	t the intrue and nowledge	nformation d complete and beli	า ≘
							Printed Title	Name Geolo Nov.		2005	
				Ĭ			Date	110 * *	,		

18 SURVEYOR CERTIFICATION I hereby certify that the well location snown 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. .82 Survey Date: SEPTEMBER 27, 2005 Signature and Seal of Professional Surveyor C. EDWARDS EN MEXIC FESTOWN POPESSION **DUGAN** 5259.54 NM-43442

Submit 3 Copies To Appropriate District Office		of New Mo				rm C-103
District I 1625 N. French Dr., Hobbs, NM 88240	Energy, Minera	als and Nata	iral Resources	WELL API NO.	30-045- <i>-</i>	May 27, 2004
District II 1301 W. Grand Ave., Artesia, NM 88210 District III	OIL CONSE	RVATION uth St. Fra		5. Indicate Type STATE		
1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM	Santa	Fe, NM 8	7505	6. State Oil & G	as Lease No.	
1	ICES AND REPORTS			7. Lease Name of		ent Name
(DO NOT USE THIS FORM FOR PROPODIFFERENT RESERVOIR. USE "APPLIE PROPOSALS.)	CATION FOR PERMIT" (F			Biff		
1. Type of Well: Oil Well 2. Name of Operator Dugan	Gas Well Other			8. Well Number 9. OGRID Num		
2. Name of Operator Dugan	Production Cor	`p.		9. OGRID Num	006515	
3. Address of Operator 709	East Murray Dri	ve, Farr	nington, NM	10. Pool name o Basin F	r Wildcat ruitland (Coal
4. Well Location Unit Letter C:	800 feet from the		inic and	600 feet fro		
Section 20	Township		ange 10W	NMPM	County Sar	ı Juan
Pit or Below-grade Tank Application 🔀 o	11. Elevation (Show GL-6635)	wneiner DR	, KKB, K1, GK, etc.)			
Pit type Drilling epth to Groundw		nearest fresh v				<u>. </u>
Pit Liner Thickness: 12 mil	Below-Grade Tank:		-	nstruction Material		
12. Check A	Appropriate Box to	Indicate N	ature of Notice,	Report or Other	· Data	
NOTICE OF IN PERFORM REMEDIAL WORK TEMPORARILY ABANDON DULL OR ALTER CASING	ITENTION TO: PLUG AND ABANDO CHANGE PLANS MULTIPLE COMPL	NC	SUBS REMEDIAL WORK COMMENCE DRII CASING/CEMENT	LLING OPNS.	PORT OF: ALTERING CA PAND A	asing []
OTHER: Reserve pit for	drilling (lined	i) 🖄	OTHER:			П
 Describe proposed or comp of starting any proposed we or recompletion. 	leted operations. (Clear ork). SEE RULE 1103	arly state all For Multip	pertinent details, and le Completions: Att	l give pertinent dat ach wellbore diag	es, including es	timated date I completion
A water based g Standard 2,000 Coal will be co fractured.	psi BOP will be	e used to	drill produc	ction hole.	The Fruit	tľand
I hereby certify that the information	above is true and comp	lete to the b	est of my knowledge	and belief. I furth	er certify that any	pit or below-
grade tank has been/will be constructed or	closed according to NMOC	D guidelines [, a general permit 🔲 o	or an (attached) altern	ative OCD-approv	ved plan 🗌.
SIGNATURE Kurt Fagre	green	_TITLE	Geology		_DATE_Nov.	
Type or print name For State Use Only		kfagr E-mail ad	elius@duganpr dress:	roduction.co Te	m Elephone No. 3	25-1821

TITLE CEPUTY ON & GAS INSPECTOR, DIST. AND AT MAR 1 7 2006 APPROVED BY:
Conditions of Approval (if any):

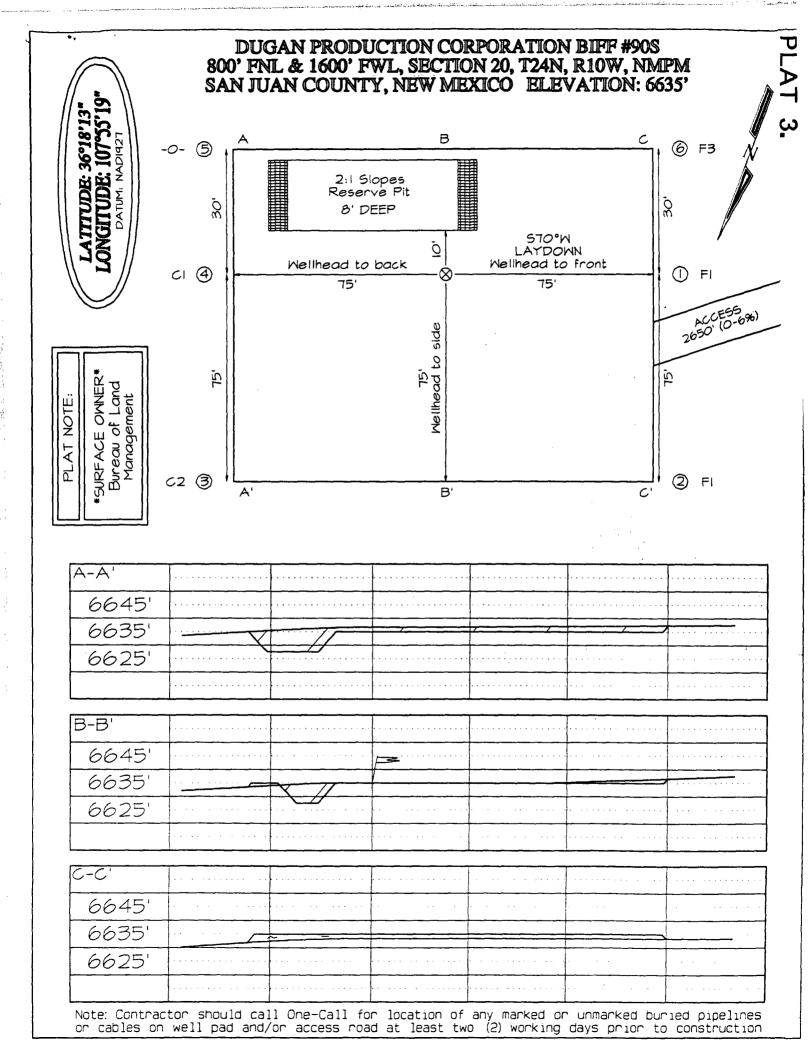


EXHIBIT B OPERATIONS PLAN

Biff #90-S

APPROXIMATE FORMATION TOPS:

Pictured Cliffs Total Depth	1215′ 1390′
Fruitland	875 <i>'</i>
Kirtland	465′
Ojo Alamo	365′

Catch samples every 10 feet from 1100 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	<u>₩t./</u> ft.	Depth	Condition
9-7/8"	7"	20#	120'	J-55
6-1/4"	4-1/2"	10.5#	1390′	J-55

Plan to drill a 9-7/8" 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 the Fruitland Coal. 4-1/2", 10.5#, 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 140 cf 2%lodense with

/# celloflake/sx followed by 75 cf Class "B" with

/# 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 7"x4-1/2" casing head, 1000# WP, tested to 2000#. Huber 4-1/2"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.

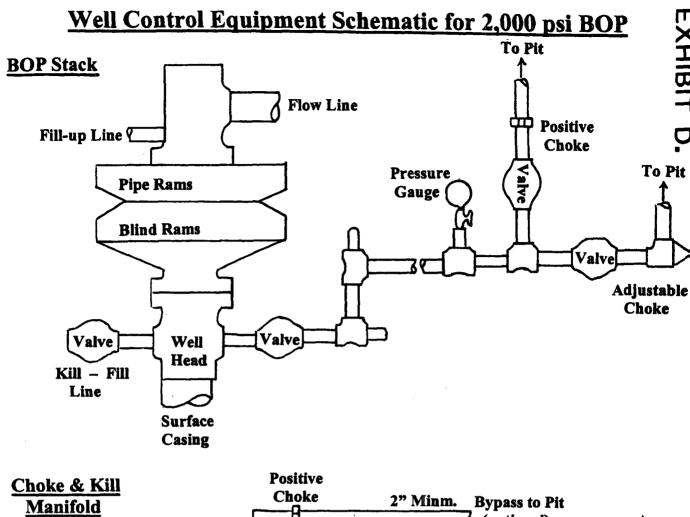
2" minimum choke line.

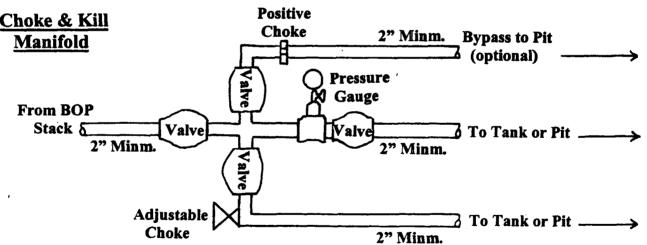
Fill-up line.

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. Biff #90-S Form 3160-5 (June 1990)

or representations as to any matter within its jurisdiction.

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31,1993

5. Lease Designation and Serial No. NM 43442

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT -" for such proposals					6. If Indian, A	Allotted or Tribe Name	
SUBMIT IN TRIPLICATE					1		
1. Type of Well	Oil X	Gas Well	Other	15 TO 18 19 20 2	73	7. If Unit or 0	CA, Agreement Designation
2. Name of Ope					CAN THE PROPERTY OF THE PROPER	8. Well Nam	e and No.
Dugan Pr	oduction Corp.			SAAR 2000	<u> </u>	Biff #90	S
	Telephone No. 420,Farmington, NM	87499 (505) 325 - 1821			9. API Well ! 30 045	20.7-11
Location of We	il (Footage, Sec., T., R., M., or Sur	vey Description)		O ON DIEI.			Pool, or Exploratory Area
	& 1600' FWL (NE/4 N\	*		5 + c 7 1°	E SE		ruitland Coal
Unit C, Se	ec. 20, T24N, R10W, N	IMPM		The Edward		11. County of San Jua	or Parish, State AN, NM
12. CHEC	K APPROPRIATE BO	X(s) TO IND	CATE NATURE OF	NOTICE, REPORT	, OR 01		
	TYPE OF SUBMISSION			TYPE OF AC			
\mathbf{K}	Notice of Intent		Abandonment		×.	Change o	
Г1	0.1		Recompletion		닐	New Cons	
Ш	Subsequent Report		Plugging Back		님	Water Shi	ine Fracturing
 1	Final Abandonment Notice	.	Casing Repair Altering Casing	•			on to Injection
لبيبا	I mai Abandonment Notice	3	Other		H	Dispose V	
						(Note: Report r	esuits of multiple completion on Well tecompletion Report and Log form.)
	Casing program will	Hole Size	Casing Size 8-5/8"	24#	120'	g Depth	2005。DEC 14 FM GradeDEC 14 FM GradeDEC計VE O70 FARMINGT
	Production casing All cement volumes v	7" will remain the	5-1/2" e same and be circu	14# lated to surface.	1390'		67 9 50
14. I hereby o	ertify that the foregoing is true and	correct					
Signed	Kurt tagn	Kurt Fagrelius	Title	Geologist	Date		12/13/2005
Approved by	Federal or State office (15%)	le Ce C	Title AFN	1	Date	3/1	15/06
Conditions of a							
Title 18 U.S.C.	Section 1001, makes it a crime for an	y person knowingly a	nd willfully to make to any depart	ment or agency of the United Sta	tes any false,	fictitious or fra	udulent statements