FORM APPROVED ONE Fo. 100 Long

#### TRITTED STATES DEPARTMENT OF THE DITERIOR. PUREAU OF LAND MANAGEMENT

Le pe Serial No.

		NM-5/44	5
APPLICATION FOR PERMIT	TO TRUL OR REENTER	8. If Indian, Allouse or Tribo blan	tionering court in some BB
la Type of Works D DRILL CREENTE 2005 J	L 21 AM 5 07	7. If Unit of CA Agreeman, Non-	a and No
	RECEIVED FARMIN(図到igle Żóńe C] Multiple Zone	S. Lease Hame and Well No. Zappa #93-S	رين د در رويد که دورد هماريان و اما از ادام داد داد داد داد داد داد داد داد دا
2. Name of Operator Contact: DUGAN PRODUCTION CORP.	KURT FAGRELIUS E-Mail: kfagrelius@duganproduction.com	9. AP(Well No. 30-045-3385	-9
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 Fruitlan	d Coal
4. Location of Well (Report location clearly and in accorda	nce with any State requirements, 1) (1000000)	11. Sec., T., R., M., or Blk. and St	irvey or Area
At proposed prod. zone Salile as above	Long. 107.66466 W 2006	Sec. 22, T22N,	
المركبة. Distance in miles and direction from nearest town or post Approx. 70-miles SE of Farmi	ngton, New Mexico	12. County or Parish San Juan	13. State NM
<ol> <li>Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig, unit line, if any)</li> </ol>	16. No. of Acres in Lease	17:-Spacing Unit dedicated to this	
1100 Feet	2,280.0 Acres (20)	💲 ⁄S/2-320.0 Acres	
18. 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. 2300 Feet	850 Feet	On File Nmol	40
21. Elevations (Show whether DF, KB, RT, GL, etc. GL - 6625	22. Approximate date work will start ASAP	23. Estimated duration 5-Days	
	24. Attachments		,
The following completed in accordance with the requirements of	Onshore Oil and Gas Order No. 1, shall be attached to the	us form:	· · · · · · · · · · · · · · · · · · ·

- Well plat certified by a registered surveyor.
   A Drilling Plan.
   A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
  Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature Lurt Fagreling	Name (Printed/Typed) KURT FAGRELIUS	Date July 20, 2006
Title GEOLOGIST		
Approved by (Signature) Manuela (W)	Name (Printed/Typed)	Date 25/06
Title AEM	Office ##O	
Application approval does not warrant or certify the applican operations thereon.  Conditions of approval, if any, are attached.	nt holds legal or equitable title to those rights in the subject leas	se which would entitle the applicant to conduct

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.

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 670' 690'. The interval will be fracture stimulated.

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

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

Oistrict 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

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

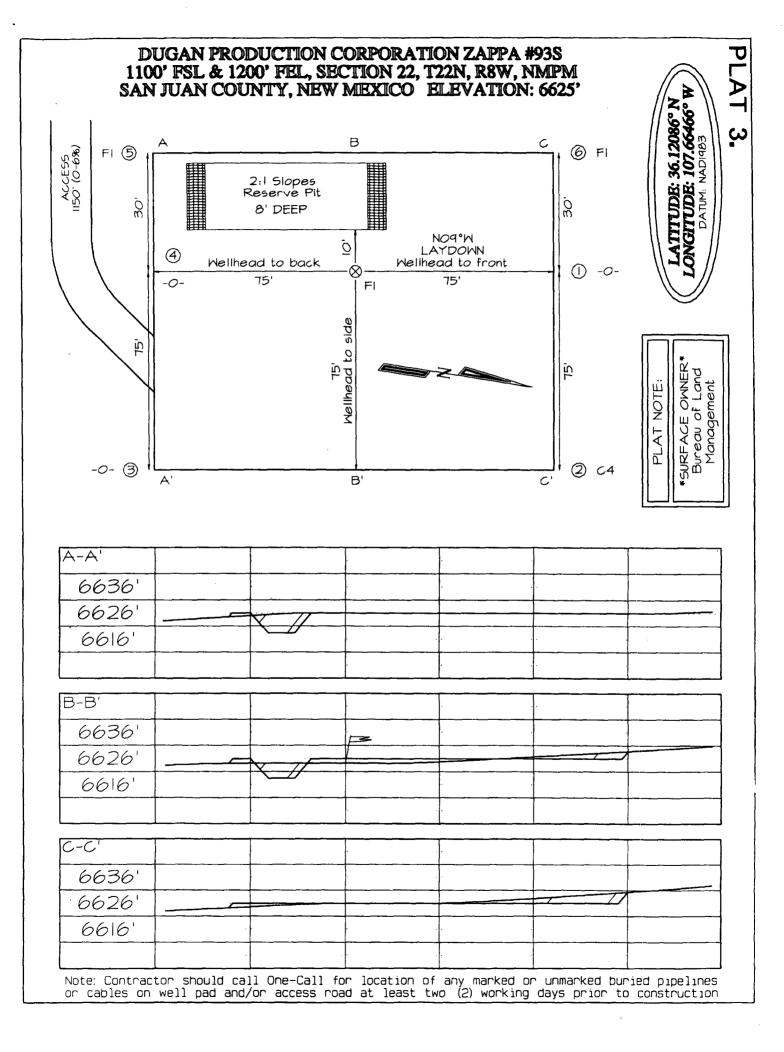
AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

, A	PI Numbe	Г		*Pool Coo	te		'Pool Name					
30-045	5-33	859		71629	)		BAS	BASIN FRUITLAND COAL				
'Property Code		Property Name ZAPPA				Well Number 93S						
100RID N				<del></del>		rator			*Elevation			
	006515			DUGAN			N CORPORATI	NO	6625			
					<sup>10</sup> Surfa	ce l	_ocation				\	
UL or lot no.	Section	Township	Range	Lot Idn	Feet from	- 1	North/South line		t from the	· ·	est line	County
Р	55	22N	BW	L	1100		SOUTH	1	1200	EA	51	SAN JUAN
UL or lot no	Section	Township	ottom Range	Hole L	ocation		Different North/South line		om Surf		est line	Caunty
						1					21.0	
<sup>12</sup> Dedicated Acres	320	0.0 Acres	- (S,	/2)	13 Joint or In	fill	<sup>14</sup> Consolidation Code	<sup>15</sup> Onde	r No.	<u> </u>		
.09		OR A		279.34	UNIT HAS	S BE	EN APPROVED	BY 1	17 OPER I hereby	ATOR certify dherein best of my	that the as knowledg	IFICATION Information of complete te and belief  agrelius
2646.			AAANFAR	22-				13.00.	I hereby shown an nates of my superv	Ge JU EYOR certify the this plat actual sur	CERTI at the we was plott veys made that the	FICATION and from field by me or under same is true
2654.85				' LOI	AT: 36.1208 NG: 107.664 DATUM: NAD	166 °W	_	53	<u>Date o</u>	and Seal	ey: JUN	IE 6, 2006 sional Surveyor
				  244.36			<u>  00</u>		Jas. Centif	icate N	2. E	



Submit 3 Copies To Appropriate District Office State of New Mexico	Form C-103		
District I Energy, Minerals and Natural Resources 1625 N. French Dr., Hobbs, NM 88240 District II	WELL API NO. 30-045-33859		
1301 W. Grand Ave., Artesia, NM 88210 OIL CONSERVATION DIVISION  District III 1220 South St. Francis Dr.	5. Indicate Type of Lease Federal STATE FEE		
1000 Rio Brazos Rd., Aztec, NM 87410  District IV 1220 S. St. Francis Dr., Santa Fe, NM  Santa Fe, NM 87505	6. State Oil & Gas Lease No. Federal NM-57445		
87505 SUNDRY NOTICES AND REPORTS ON WELLS	7. Lease Name or Unit Agreement Name		
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	Zappa		
1. Type of Well: Oil Well Gas Well X Other	8. Well Number 93-S		
2. Name of Operator Dugan Production Corp.	9. OGRID Number 006515		
3. Address of Operator 709 East Murray Drive, Farmington, NM	10. Pool name or Wildcat Basin Fruitland Coal		
4. Well Location  Unit Letter P: 1100 feet from the south line and 12	200 feet from the east line		
Section 22 Township 22N Range 8W	NMPM County San Juan		
11. Elevation (Show whether DR, RKB, RT, GR, etc.			
Pit type_Drillingbepth to Groundwater +100 Distance from nearest fresh water well +1000 Dis	+200 '		
Pit Liner Thickness: 12 mil Below-Grade Tank: Volume bbls; Co	onstruction Material Synthetic		
12. Check Appropriate Box to Indicate Nature of Notice,			
NOTICE OF INTENTION TO:  PERFORM REMEDIAL WORK  PLUG AND ABANDON  REMEDIAL WOR COMMENCE DRIPULL OR ALTER CASING  MULTIPLE COMPL CASING/CEMEN	ILLING OPNS. P AND A		
OTHER: Reserve pit for drilling (lined) XX OTHER:			
<ol> <li>Describe proposed or completed operations. (Clearly state all pertinent details, an of starting any proposed work). SEE RULE 1103. For Multiple Completions: At or recompletion.</li> </ol>	d give pertinent dates, including estimated date tach wellbore diagram of proposed completion		
A water based gel-mud will be used to drill surface a Standard 2,000 psi BOP will be used to drill producti will be completed from approximately 670' - 690'. Th stimulated.	on hole. The Fruitland Coal		
I hereby certify that the information above is true and complete to the best of my knowledg grade tank has been/will be constructed or closed according to NMOCD guidelines (1), a general permit [	e and belief. I further certify that any pit or below- or an (attached) alternative OCD-approved plan		
SIGNATURE KWT FEMILIE Geology	DATE July 20, 2006		
Kurt Fagrelius kfagrelius@duganproducti Type or print name E-mail address: For State Use Only			



# EXHIBIT B OPERATIONS PLAN

Zappa #93-S

#### APPROXIMATE FORMATION TOPS:

Ojo Alamo	65 <i>'</i>	Pictured Cliffs	695′
Kirtland	145′		
Fruitland	395′	Total Depth	850′

Catch samples every 10 feet from 650 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
12-1/4"	8-5/8"	24#	120'	J-55
7"	5-1/2"	14#	850 <i>′</i>	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% CaCl<sub>2</sub>. Circulate to surface.

Production Stage-Cement with 90 cf 2%Lodense with

%# celloflake/sx followed by 50 cf Class "B" with

1/# celloflake/sx.

Total cement slurry for production stage is 140 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.

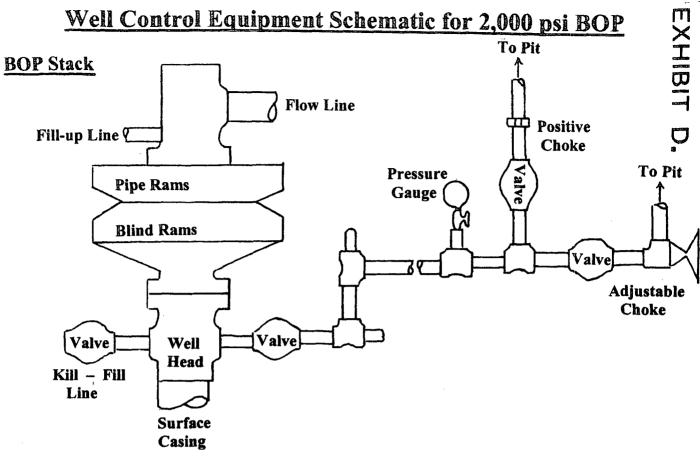
2" minimum choke line.

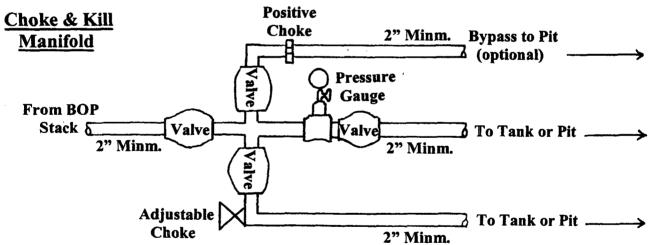
Fill-up line.

#### 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. ZAPPA #93-S