Form 3140-3 April 2004)			0M8 No	APPROVED D. 1904-0137 March 31, 1007
UNITED STATES  DEPARTMENT OF THE II  BUREAU OF LAND MANA  APPLICATION FOR PERMIT TO I	NTERIOR AGEMENT	IGT 20 NEGRI	5. Lease Serial No.	NM-15654
la. Type of work: DRILL REENTE	V r	J fam.	If Unit or CA Agre	ement, Name and No.
lb. Type of Well: Oil Well Gas Well Other	Single Zone	Multiple Zone	8. Lease Name and V	Well No. Com #90-S
Name of Operator     Dugan Production Corp.				34023
3a. Address 709 East Murray Drive, Farmington, NM 3b. Phone No. (include area code) 505-325-1821		10 Field and Pool, or Exploratory Basin Fruitland Coal		
At surface 1300' FNL & 800' FEL, La.  At proposed prod. zone Same as above		Μ.	11. Sec., T. R. M. or B A Sec. 22 NMPM	lk. and Survey or Area 2, T24N, R10W
14. Distance in miles and direction from nearest town or post office.	ald NIM	<del></del>	12. County or Parish	i3. State
Approx. 35-miles SE of Bloomfic  15. Distance from proposed* location to nearest 800 Feet property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No. of acres in lease 1398.22 Ac		San Juan g Unit dedicated to this v /2-320.0 AC	veli res
18. Distance from proposed location? to nearest well, drilling, completed, applied for, on this lease, ft.  Approx. 500'	19. Proposed Depth 1475	1	BIA Bond No. on file n File	
2). Elevations (Show whether DF, KDB, RT, GL, etc.) GL-6733	22 Approximate date work w ASAP	ill start*	23 Estimated duration 7-Days	)
	24. Attachments			
The following, completed in accordance with the requirements of Onshere  1. Well plat certified by a registered surveyor.  2. A Drilling Plan.  3. A Surface Use Plan (if the location is on National Forest System L SUPO shall be filed with the appropriate Forest Service Office).	4. Bond to co lizm 20 about ands, the 5. Operator of	over the operation ove). cruffication r site specific info		existing bond on file (see
25. Signature Hurt Fagre lin	Name (Printed/Typed) Kurt F	agrelius	i	Date 10-20-2006
Geology				
Approved by 15 manuary Marile Sleen	Name (Printed/Typed)			Date 2/5/07
Title AFM	Office FFD			/
Application approval does not warrant or certify that the applicant holds conduct operations thereon.  Conditions of approval, if any, are attached.	legal or equitable title to those	rights in the sub	ject lease which would et	tutle the applicant to
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a cristiates any false, fictitious or fraudulent statements or representations as to	me for any person knowingly any matter within its jurisdiction	and willfully to m	ake to any department or	agency of the United
*(Instructions on page 2)		6		

A water based gel-mud will be used to drill surface and production hole. Standard 2,000 psi BOP will be used to drill production hole. The Fruitland Coal will be completed from approximately 1305'. The interval will be fracture stimulated.

8/8

NMOCD

B 2/9/07

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

State of New Mexico Energy, Minerals & Natural Resources Department Form C-102 Revised February 21, 1994 Instructions on back

District II PO Drawer DD, Artesia, NM 88211-0719 District III 1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION PO Box 2088

Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

District IV PO Box 2088, Santa Fe, NM 87504-2088 PO Box 2088 Santa Fe, NM 87504-2088

AMENDED REPORT

RCVD FEB7'07 OIL CONS. DIV.

WELL LOCATION AND ACREAGE DEDICATION PLAT DIST 3

'API Number	Pool Code	Pool Name	
30-045-3402	71629	BASIN FRUITLAND CÓAL	
*Property Code		erty Name Well Numb	per
36296	PHOE	BE COM 90S	
'OGRID No.	*Open	ator Name Elevation	n
006515	DUGAN PRODUC	FION CORPORATION 6733	•

<sup>10</sup> Surface Location Feet from the North/South line UL or lot no. Sect ion Township Lot Ide East/West line NORTH 55 24N 10W 1300 800 EAST SAN JUAN Α 11 Bottom Different From Surface Hole Location If North/South line UL or lot no. Section Feet from the Feet from the East/West line County Joint or Infill Dedicated Acres M Consolidation Code <sup>25</sup> Order No. 320.0 Acres - (N/2)

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

	OR A N	ON-STANDARD UN:	IT HAS BEEN APPROVED	BY THE DIVISION
2685.54° s	DUGAN NM-100808	5196.84	DUGAN NM-15654 M M LAT: 36.30303 LONG: 107.8773 DATUM: NAD19	Printed Name Geology
2609.64		22		Date  18 SURVEYOR CERTIFICATION  I hereby cartify 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  Date of Survey: MAY 12, 2006  Signature and Seal of Professional Surveyor  C. EDMA  MEXICO  15269  B  15269  B  15269
		 5241.72		JASON C. EDWARDS Certificate Number 15269

Submit 3 Copies To Appropriate District Office	State of New Mexico	Form C-103 May 27, 2004
<u>District (</u> 1625 N. French La., Hobbs, (IM 8829)	ral ivilinerals and Natural Resources	WELL APINO 30-045-34023
- <u>Oranica II</u> - 1301 W. Geand Ave. Artesia, riM 88240 (1) [1]	CONSERVATION DIVISION	5. Indicate Type of Lease Federal XX
<u>District III</u> 1900 Rio Brazos Rd. Aztec, NM 87410	1220 South St. Francis Dr. Santa Fe, NM 87505	STATE FEE .
<u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM	SHIRE FOR ISINFO/1898	6. State Oil & Gas Lease No. Federal NM-15654
87505 SUNDRY NOTICES AND I	REPORTS ON WELLS	7. Lease Name or Unit Agreement Name
(DO NOT USE THIS FORM FOR PROPOSALS TO DRI DIFFERENT RESERVOIR. USE "APPLICATION FOR	LL OR TO DEEPEN OR PLUG BACK TO A	Phoebe Com
PROPOSALS.) 1. Type of Well: Oil Well Gas Well	XX Other	8. Well Number #90-S
	uction Corp.	9. OGRID Number 006515
	urray Drive, Farmington, NM	10. Pool name or Wildcat Basin Fruitland Coal
4. Well Location	S. C. d. manth 1: 1 Of	20 6 6 4 025
1	feet from the <u>north</u> line and <u>80</u> Township 24N Range 10W	NMPM County San Juan
11. Elevar	tion (Show whether DR; RKB, RT, GR, etc.)	
Pit or Below-grade Tank Application or Closure	6733 <sup>1</sup>	
Pit type Drillingepth to Groundwater +100b		A
		nstruction Material Synthetic
12. Check Appropriat	e Box to Indicate Nature of Notice,	Report or Other Data
NOTICE OF INTENTION PERFORM REMEDIAL WORK  PLUG AN TEMPORARILY ABANDON  CHANGE PULL OR ALTER CASING  MULTIPLE	D ABANDON   REMEDIAL WORI	LLING OPNS. P AND A
OTHER Reserve pit for drilling	(lined) 区 OTHER:	
<ol> <li>Describe proposed or completed operate of starting any proposed work). SEE R or recompletion.</li> </ol>	ions. (Clearly state all pertinent details, and ULE 1103. For Multiple Completions: At	d give pertinent dates, including estimated date tach wellbore diagram of proposed completion
Standard 2,000 psi BOP w	ll be used to drill surface vill be used to drill produc The interval will be fract	and production casing hole. tion hole. The Fruitland ure stiumulated.
		e see Lander
I hereby certify that the information above is true grade tank has been/will be constructed or closed accordi	e and complete to the best of my knowledgeing to NMOCD guidelines 💢, a general permit 🗀	e and belief. I further certify that any pit or below- or an (attached) alternative OCD-approved plan .
SIGNATURE SUNT TEGRAL	TITLE Geology	DATE <b>10-19-2006</b>
Type or print name Kurt Fagrelius	kfagrelius@duganprodu E-mail address:	ction.com Telephone No.
For State Use Only	DEPUTY OR & GAS	INSPECTOR, DIST. (22 FEB 0 9 2007
APPROVED BY: Conditions of Approval (if any):	TITLE	

# **DUGAN PRODUCTION CORPORATION PHOEBE COM #90S** 1300' FNL & 800' FBL, SECTION 22, T24N, R10W, NMPM SAN JUAN COUNTY, NEW MEXICO ELEVATION: 6733' B C1 (5) ⑥ FI 2:1 Slopes Reserve Pit ğ ģ 8' DEEP 584°W ō LAYDOWN Melihead to back Wellhead to front CI (4) (1) FI 75' 75 Wellhead to side 10 1300 (0-6%) Ī PURFACE OWNER Bureau of Land Management 1300' TOTAL ACCESS 550' NW4 SECTION 23 750' NE/4 SECTION 22 PLAT NOTE: C1 3 2 FI B' A-A' 6743' 6733' 6723' B-B' 67431 6733' 6723' C-C' 6743' 6733' 6723' 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

# OPERATIONS PLAN

Phoebe Com #90-S

#### APPROXIMATE FORMATION TOPS:

Total Depth	1475'
Pictured Cliffs	1325'
Fruitland	1005′
Kirtland	610′
Ojo Alamo	520 <b>′</b>

Catch samples every 10 feet from 1200 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#	1475'	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 145 cf 2%lodense with

4# celloflake/sx followed by 80 cf Class "B" with

4# celloflake/sx.

Total cement slurry for production stage is 225 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.

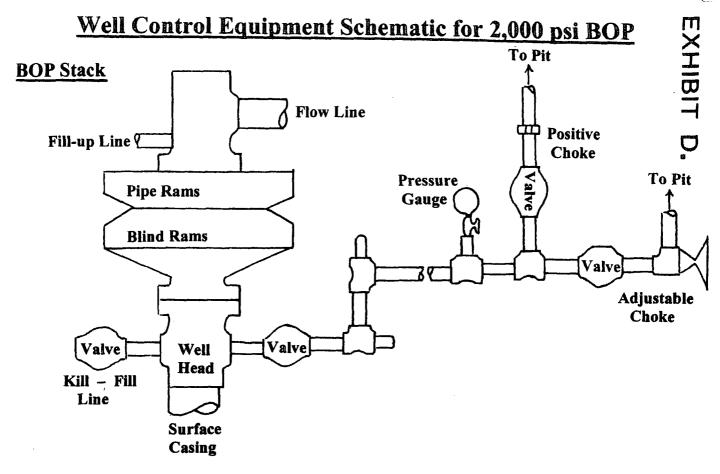
2" minimum choke line.

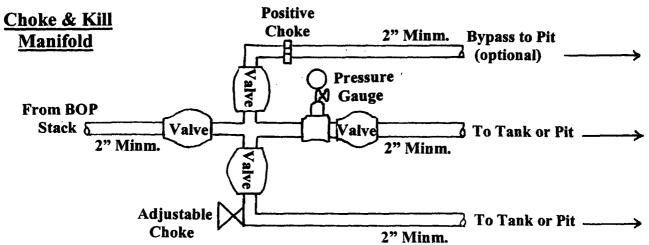
Fill-up line.

#### 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.
PHOEBE COM #90-S