



UNITED STATES 2005 AUG 24 PM 4 04  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires March 31, 2007

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NM-96802
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator Dugan Production Corp.		7. If Unit or CA Agreement, Name and No.
3a. Address 709 East Murray Drive, Farmington, NM 87401		8. Lease Name and Well No. Bonanza Com #92
3b. Phone No. (include area code) 505-325-1821		9. API Well No. 30-045-33312
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface: 1800' FNL & 1500' FEL, Lat 36.1252, Long 107.5706 At proposed prod. zone: Same as above		10. Field and Pool, or Exploratory Basin Fruitland Coal
11. Sec., T. R. M. or Bk. and Survey or Area G Sec. 24, T23N, R11W		12. County or Parish San Juan
13. State NM		14. Distance in miles and direction from nearest town or post office Approx. 13 miles SW of Blanco Trading Post, NM
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drg. unit line, if any) 1500 Feet	16. No. of acres in lease 800.00 Acres	17. Spacing Unit dedicated to this well N/2-320 acres
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 2200'	19. Proposed Depth 750 Feet	20. BLM/BIA Bond No. on file
21. Elevations (Show whether DF, KDB, RT, GL, etc.) GL 6406 This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4	22. Approximate date work will start ASAP	23. Estimated duration 3 Days
24. Attachments		

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this 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).
- 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 Kurt Fagrelus Name (Printed/Typed) Kurt Fagrelus Date 8-23-05

Title  
Geology

Approved by (Signature) [Signature] Name (Printed/Typed) [Signature] Date 2/22/06

Title  
AFM Office FEO

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

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.

\*(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 550' - 600'. The interval will be fractured.

NMOCD

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

District II  
PO Drawer 00, Artesia, NM 88211-0719

District 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

2005 AUG 24 PM 4 04 AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <b>30-045-33312</b>		Pool Code <b>71629</b> ✓	Pool Name <b>BASIN FRUITLAND COAL</b> ✓
Property Code <b>35263</b> ✓	Property Name <b>BONANZA COM</b> ✓		Well Number <b>92</b> ✓
GRID No. <b>006515</b> ✓	Operator Name <b>DUGAN PRODUCTION CORPORATION</b>		Elevation <b>6406'</b> ✓

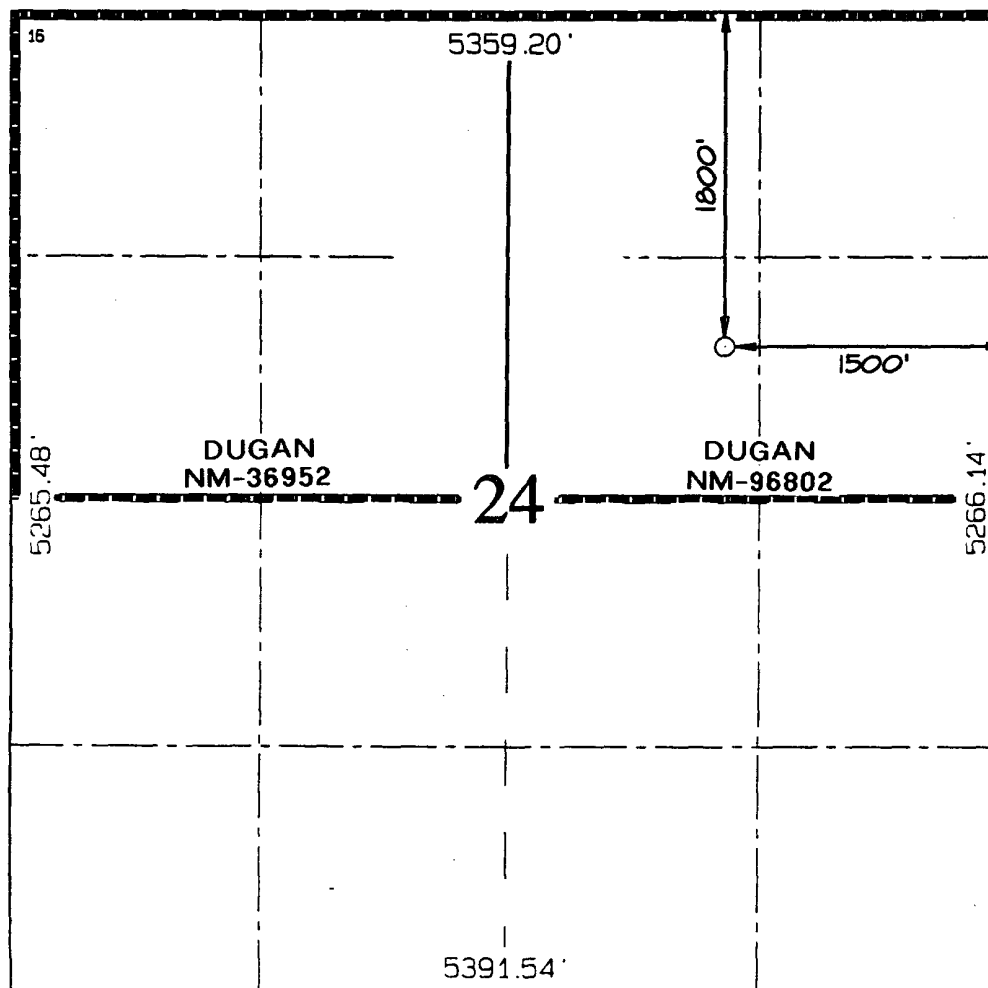
10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	24	23N	11W		1800	NORTH	1500	EAST	SAN JUAN

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres <b>320.0 Acres - (N/2)</b>					Joint or Infill	Consolidation Code	Order No.		

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



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

*Kurt Fagrelius*  
Signature

Kurt Fagrelius

Printed Name  
Geology

Title  
9-22-05

Date

18 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.

Date of Survey: JULY 14, 2005

Signature and Seal of Professional Surveyor



*JASON C. EDWARDS*  
Certificate Number 15269

Submit 3 Copies To Appropriate District  
Office  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM  
87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
March 4, 2004

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO.	30-045-33312
5. Indicate Type of Lease	Federal XX STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	Federal NM-96802
7. Lease Name or Unit Agreement Name	Bonanza Com
8. Well Number	92
9. OGRID Number	006515
10. Pool name or Wildcat	Basin Fruitland Coal

SUNDRY NOTICES AND REPORTS ON WELLS  
(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.)

1. Type of Well:  
Oil Well ☐ Gas Well ☒ Other

2. Name of Operator  
Dugan Production Corp.

3. Address of Operator  
709 East Murray Drive, Farmington, NM

4. Well Location  
Unit Letter G : 1800 feet from the north line and 1500 feet from the east line  
Section 24 Township 23N Range 11W NMPM County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
GL- 6406

Pit or Below-grade Tank Application (For pit or below-grade tank closures, a form C-144 must be attached)  
Pit Location: UL G Sect 24 Twp 23N Rng 11W Pit type Drilling Depth to Groundwater 550' Distance from nearest fresh water well 1700'  
Distance from nearest surface water 400' Below-grade Tank Location UL Sect Twp Rng ;  
feet from the line and feet from the line

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/> PLUG AND <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE <input type="checkbox"/>	CASING TEST AND <input type="checkbox"/> ABANDONMENT
COMPLETION	
OTHER: Reserve pit for drilling (lined) <input checked="" type="checkbox"/>	OTHER: <input type="checkbox"/>

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.  
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 550' - 600'. The interval will be fractured.  
Federal lease, pits will be constructed and abandoned as per BLM and NMOCD guidelines.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Kurt Fagrelius TITLE Geology DATE 8-23-05  
Type or print name Kurt Fagrelius E-mail address: kfagrel@uganprocuaction.com Telephone No. 325-1821

(This space for State use)

APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. # DATE FEB 22 2006  
Conditions of approval, if any:

DATUM: NAD1927

\*SURFACE OWNER\*  
Bureau of Land  
Management



C-C'						
6417'						
6407'						
6397'						

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

**EXHIBIT B**  
**OPERATIONS PLAN**  
Bonanza Com #92

**APPROXIMATE FORMATION TOPS:**

Kirtland	Surface	Pictured Cliffs	605'
Fruitland	200'	<b>Total Depth</b>	<b>750'</b>

Catch samples every 10 feet from 350 feet to 750 feet.

**LOGGING PROGRAM:**

Run cased-hole GR-CCL-CNL from total depth to surface.

**CASING PROGRAM:**

<u>Hole</u>	<u>Casing</u>		<u>Setting</u>	<u>Grade and</u>
<u>Size</u>	<u>Size</u>	<u>Wt./ft.</u>	<u>Depth</u>	<u>Condition</u>
12-1/4"	8-5/8"	24#	120'	J-55
7"	5-1/2"	14#	750'	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 60 cf 2%Lodense with  
1/4# celloflake/sx followed by 40 cf Class "B" with  
1/4# 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

Mark Brown	327-3632 (H)
	320-8247 (M)

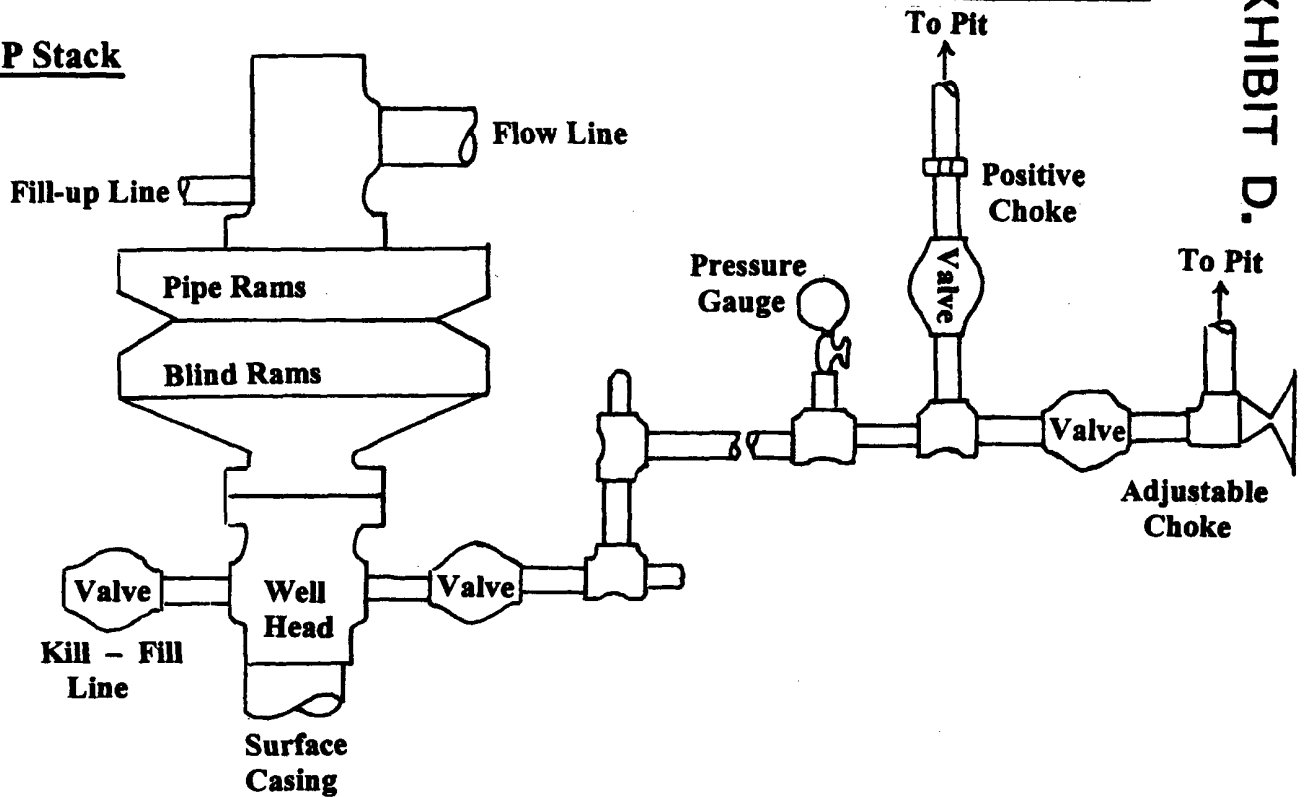
Kurt Fagrelus	325-4327 (H)
	320-8248 (M)

John Alexander	325-6927 (H)
	320-1935 (M)

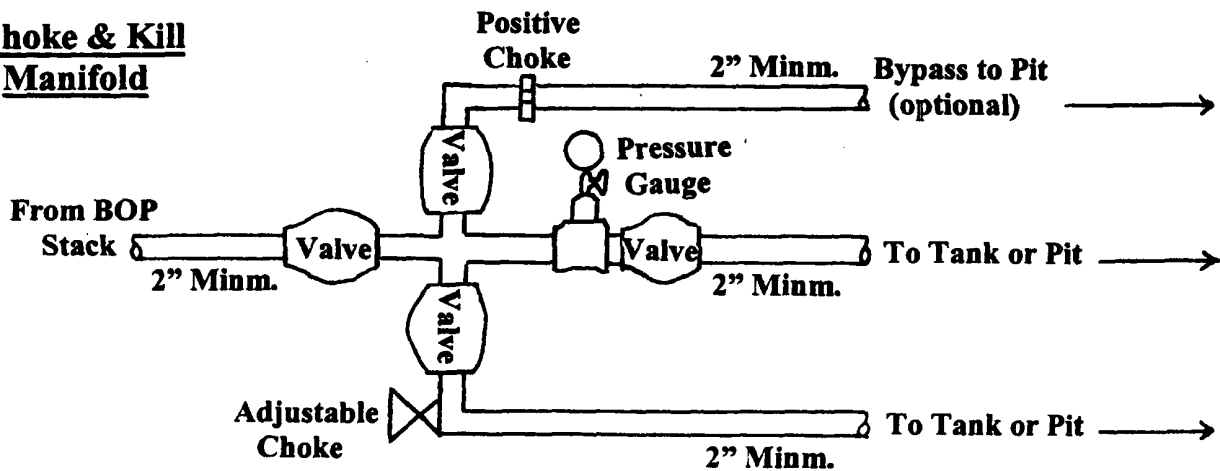
# Well Control Equipment Schematic for 2,000 psi BOP

EXHIBIT D.

## BOP Stack



## Choke & Kill Manifold



Working Pressure for all equipment is 2,000 psi or greater

DUGAN PRODUCTION CORP.  
BONANZA COM #92