| 7cm 3100-3 | | | | | APPROVED |
|--|------------------------------------|---|----------------|---|--------------------------------|
| April 2004) UNITED STATES | s 2068 NC | IT 19 PM | 2 58 | Expires | o. 10M-0137 March 31, 2007 |
| DEPARTMENT OF THE | INTERIOR | - | | 5. Lease Serial No. | NM-21741 |
| BUREAU OF LAND MAN | | RECEIVE | | 6. If Indian, Alloree | |
| APPLICATION FOR PERMIT TO | DHIPP CH | HEENIER | | \$: : | |
| la. Type of work: DRILL REENT | ER | | | 1 If Unit or CA Agr | eement, Name and No. |
| lb. Type of Well: Oil Well Gas Well Other | ⊌ Sir | ngle Zone Multi | ple Zone | 8. Lease Name and Dinger | |
| 2 Name of Operator Dugan Production Corp. | | | | 9. API Well No. 30-045- | 34019 |
| 3a. Address 709 East Murray Drive, Farmington, NM 87401 | 3b. Phone No. 505-32 | (include area code) 5-1821 | | 10. Field and Pool, or Basin F | Exploratory ruitland Coal |
| 4. Location of Well (Report Invation clearly and in accordance with at | ny State requirem | ents.*) | ·· | | Blk and Survey or Area |
| At surface 1950' FSL & 1290' FWL, La At proposed prod. zone Same as above | at. 36.2 ong. 10 | 28255 N. 7.90592 W. | | Sec. 28 | 3, T24N, R10W |
| 14. Distance in miles and direction from nearest town or post office | -1 J NIM | | | 12. County or Parish | 13. State |
| Approx. 35-miles SE of Bloomfie | T | | lia Cussia | San Juan | NM |
| location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) | 16. No. of a 800 | .0 Acres | f • | g Unit dedicated to this 2-320.0 Acr | |
| 18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 2,300 | 19. Proposed 1230 | Depth Feet | | BIA Bond No. on file In File | |
| 21. Elevations (Show whether DF, KDB, RT, GL, etc.) GL-6592' | 22 Approxim ASAP | nate date work will sta | n* | 23 Estimated duration 7-Days | 10 |
| | 24. Attac | hments | | | |
| The following, completed in accordance with the requirements of Onshor | re Oil and Gas | Order No.1, shall be a | ttached to thi | is form: | |
| Well plat certified by a registered surveyor. A Drilling Plan. | | 4. Bond to cover the litem 20 above). | te operation | as unless covered by an | existing bond on file (see |
| A Surface Use Plan (if the location is on National Forest System SUPO shall be filed with the appropriate Forest Service Office). | Lands, the | Operator certific Such other site authorized office | specific info | ormation and/or plans as | s may be required by the |
| 25. Signature Kurt Farri | Name | (Printed/Typed) Kurt Fagr | elius | | Date 10-19-2006 |
| Title Geology | | | | | |
| Approved by (Signature) | Name | (Printed/Typed) | | | Date 3/12/17 |
| Title AFM | Office | FFO | | | 1,110 |
| Application approval does not warrant or certify that the applicant hold | s legal or equit | able title to those right | s in the subj | ect lease which would e | nutle 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 ct States any false, fictitious or fraudulent statements or representations as | rime for any pe to any matter w | rson knowingly and within its jurisdiction. | illfully to 12 | ake to any department o | r agency of the United |
| *(Instructions on page 2) | | 1/ | | | |

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 1055' - 1075'. The interval will be fracture stimulated.

derlon

NMOCD To THEY AZTEG OCD 2440 CENCHY

TO WITNESS CA 4 CCENCHY

TO MORILLING OPERATIONS, AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED

"GENERAL REQUIREMENTS".

District I PO Box 1980, Hobbs, NM 88241-1980 PO Drawer DD. Artesia. NM 88211-0719 District III 1000 Rio Brazos Rd. Aztec, NM 87410

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

'API Number

30-045-34019

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised February 21, 1994 Instructions on back Submit to Appropriate District Office

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe. 2NM (87504-2088 2 59

*Pool Code

71629

State Lease - 4 Copies Fee Lease - 3 Copies

RECEIVED

AMENDED REPORT

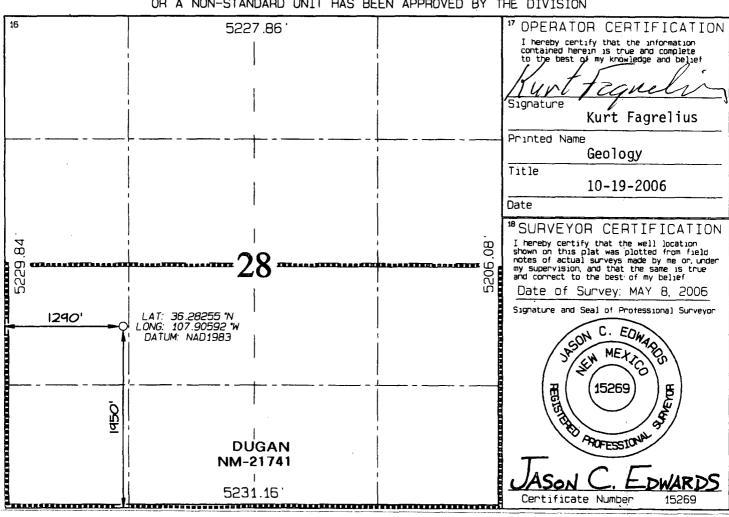
RCVD MAR22'07

Pool Name

BASIN FRUITLAND COALIST. 3

WELL LOCATION AND ACREAGE DEDICATION PLAT OIL CONS. DIV.

| Property | Code | Property Name | | | | | ME | sii wamber | | |
|-------------------------------|--------------------------------|-----------------------------------|-----------|----------|--------------------|----------------------------------|-------------------------|------------|------------|------------|
| 3639 | 8 | | DINGER 90 | | | | | | 905 | |
| 'OGRID N | | *Operator Name | | | | | | | *Elevation | |
| 00651 | 5 | DUGAN PRODUCTION CORPORATION 6592 | | | | | 6592 | | | |
| | ¹⁰ Surface Location | | | | | | | | | |
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/Wes | it line | County |
| L | 28 | 24N | 10W | İ | 1950 | SOUTH | 1290 | WES | ST | SAN JUAN |
| <u> </u> | <u> </u> | 11 E | 3ottom | Hole L | ocation I | f Different | From Surf | ace | | |
| UL or lot no | Section | Township | Range | Lot Ion | Feet from the | North/South line | Feet from the | East/Wes | it line | County |
| ¹² Dedicated Acres | |).O Acre | es - (S | ((2) | 19 Joint or Infill | ¹⁴ Consolidation Code | ¹⁵ Onder No. | | | |
| NO ALLOW | IABLE W | | | | | ON UNTIL ALL | | | EN CO | NSOLIDATED |



| Sabara 11 optim no Aportiodate Las- Olitica | State of Med Mexico | Exm (4e) |
|--|---|---|
| District | Energy (timeran, and Handral Resonace) | 6fg 27, 2004 |
| Follow Charles and Children Controls: | | 30-045-34019 |
| 1990 V. Grand V. S. Artinoviki so Maccodii terrokio Brazio Pd. Arte. (M. 874 | 1220 South St. Francis D. | Tinding Type of Lease Federal XX 。 STATE LI EEE LI |
| <u> Lesaner ()</u> | 28002 6 1/21/2/1/2 | N Scare Oil at Got Lease 11 |
| 1229 S. St. Ermach, Dr., Santa Fr. MM 87505 | į ! | Federal NM-21741 |
| SUNDRY 1 | TOTICES AND REPORTS ON WELLS | 7 Ceuse Manie or Cipis Agreement Manie |
| | ROPOSALS TO DISILL OR TO DESPET OR PLUG BACK TO A PPLICATION FOR PERMIT" (FORM CHOUS OR, SUCH | Dinger |
| 1. Type of Well: Oil Well | Gas Well XX Other | 8. Well Number #90-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 L | : 1950 feet from the south line and 129 | o feet from the west line |
| Section 28 | Township 24N Range 10W | NMPM County San Juan |
| | 11. Elevation (Show whether DR, RKB, RT, GR, etc.) GL-6592 | |
| Pit or Below-grade Tank Application | A or Closure | |
| Pit type Drilling Depth to Gro | undwater ± 100 bistance from nearest fresh water well ± 1000 bista | nce from nearest surface water +200 1 |
| Pit Liner Thickness: 12 | | struction Material Synthetic |
| 12. Che | ck Appropriate Box to Indicate Nature of Notice, F | Report or Other Data |
| NOTICE OF | FINTENTION TO: SUBS | SEQUENT REPORT OF: |
| PERFORM REMEDIAL WORK | | |
| TEMPORARILY ABANDON | ☐ CHANGE PLANS ☐ COMMENCE DRIL | |
| PULL OR ALTER CASING | ☐ MULTIPLE COMPL ☐ CASING/CEMENT | JOB 🗌 |
| OTHER Reserve pit fo | or drilling (lined) 🕅 OTHER: | Ţ |
| Describe proposed or c | completed operations. (Clearly state all pertinent details, and | |
| of starting any propose or recompletion. | d work). SEE RULE 1103. For Multiple Completions: Atta | ch wellbore diagram of proposed completion |
| or recompletion. | | |
| A water based | gel-mud will be used to drill surface | and production casing hole |
| Standard 2 00 | o psi BOP will be used to drill product | ion hole. The Fruitland |
| Coal will be | completed. The interval will be fractu | re stiumulated. |
| Cour Will be | | • |
| | | |
| | | · |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| I hereby certify that the informa | tion above is true and complete to the best of my knowledge | and belief. I further certify that any pit or below- |
| signature | ed or closed according to NMOCD guidelines [7], a general permit [1] of | |
| Type or print name Kurt Fa | grelius kfagrelius@duganproduc | DATE 10-19-2006 |
| For State Use Only | 2-man adatass: | |
| APPROVED BY: Conditions of Approval (if any) | TITIES OR & GAS INSP | ECTOR, DIST. A DATE MAR 2 7 2007 |

Sabara 10 ogsen 16 Appropriate Eniste

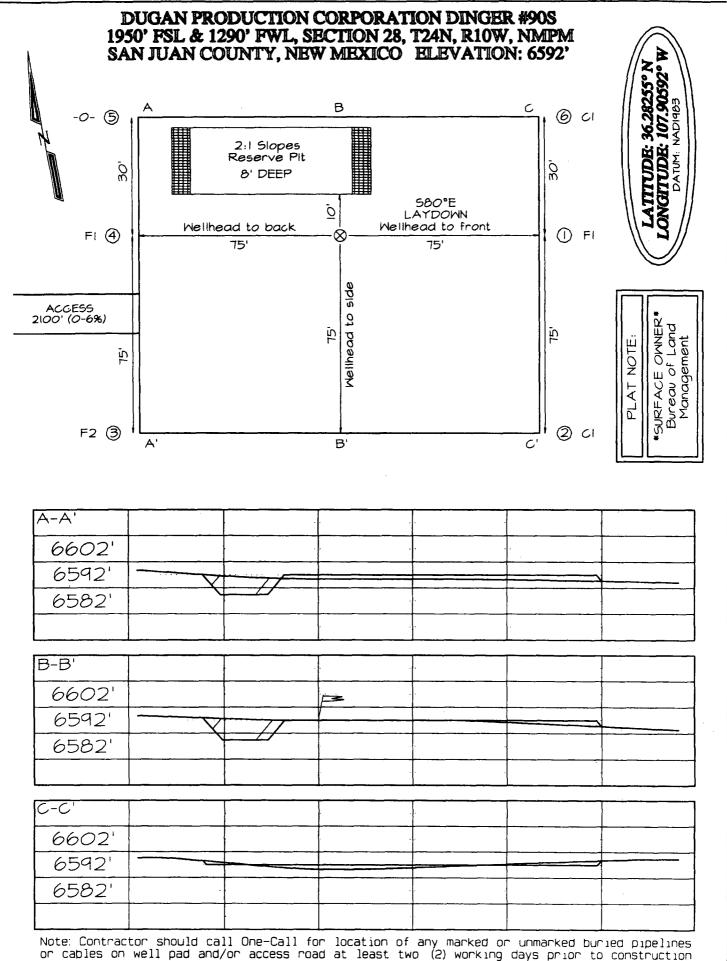


EXHIBIT B OPERATIONS PLAN

Dinger #90-S

APPROXIMATE FORMATION TOPS:

| 1080′ |
|--------------|
| 780 ′ |
| 375 ′ |
| 290 ′ |
| |

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 | Wt./ft. | Depth | Condition |
| $\overline{12-1}/4"$ | 8-5/8" | 24# | 120' | J-55 |
| 7" | 5-1/2" | 14# | 1230 ′ | 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% CaCl₂. Circulate to surface.

Production Stage-Cement with 120 cf 2%lodense with

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

4# celloflake/sx.

Total cement slurry for production stage is 200 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.

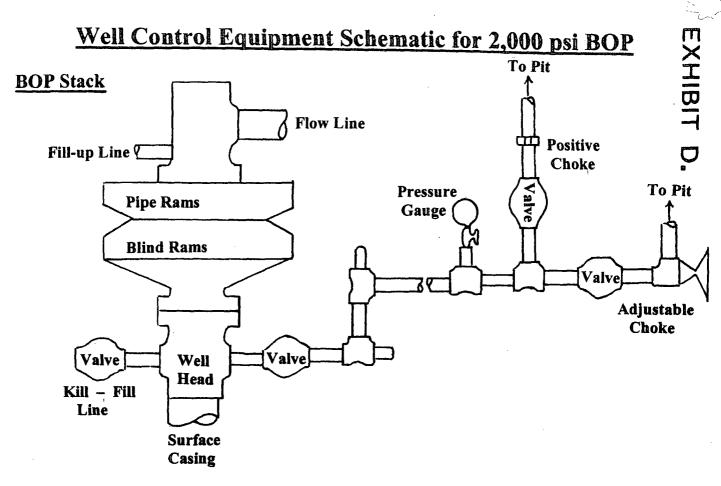
2" minimum choke line.

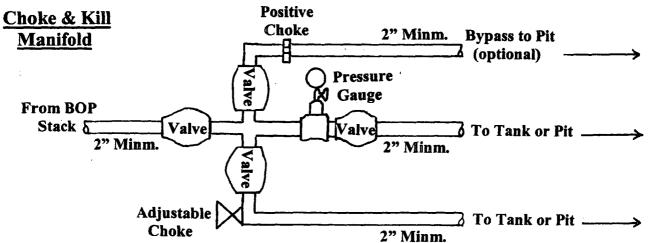
Fill-up line.

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.
DINGER #90-S