| Form 3 | 160-3 |
|--------|-------|
| (April | 2004) |

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

| RECEWF | |
|---------------|---|
| A Grand Brand | ľ |

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

1AV A A 2010

Lease Serial No. NO-G-0912-1762

PPLICATION FOR PERMIT TO DRILL OR REENTER

6. If Indian, Allotee or Tribe Name

| APPLICATION FOR PERMIT TO E | Prince Of Lan | d Wana | reminavajo Al | lotted |
|--|---|--|---|------------------------|
| la. Type of work: X DRILL REENTE | R Millian Charles | चित्रकारो । विकास के | 1-7-If Unit or CA Agree | ment, Name and No. |
| lb. Type of Well: Oil Well X Gas Well Other | X Single Zone Multip | le Zone | 8. Lease Name and W Mary Rose | |
| 2 Name of Operator Dugan Production Corp. | | | 9. API Well No. 30-045- | 35/47 |
| 3a. Address 709 East Murray Drive 3b. Phone No. (Include area code) 505-325-1821 | | 10. Field and Pool, or Exploratory Basin Fruitland Coal | | |
| 4. Location of Well (Report Irration clearly and in accordance with any | State requirements.*) | | 11. Sec., T. R. M. or Blk. and Survey or Area | |
| At surface 1755 ESL & 1025 FEL Lat: 36.12093 N At proposed prof. Zone Same as above Long: 107.70048 W | | Sec.20, T22N, R8W NMPM | | |
| 14. Distance in miles and direction from nearest town or post office* | , | | 12. County or Parish | 13. State |
| Approx. 65-miles SE of Farmingto | n, New Mexico | | San Juan | NM |
| location to nearest 1020-Feet property or lease line, ft. (Also to nearest drig, unit line, if any) | 16. No. of acres in lease 160.0-Acres | | g Unit dedicated to this we 0.0 Acres - | |
| | 19. Proposed Depth | 20 BI M/I | BIA Bond No. | |
| 18. Distance from proposed location* to nearest well, drilling, completed, Not Applicable applied for, on this lease, ft. | 755-Feet | | n File | |
| 21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6588' GL | 22 Approximate date work will star ASAP | rt* | 23. Estimated duration 5-Days | |
| | 24. Attachments | | | |
| The following, completed in accordance with the requirements of Onshor | e Oil and Gas Order No.1, shall be a | ttached to thi | s 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 Fagralius | Name (Printed/Typed) Kurt Fagrel | ius | 1 | Date 4-22-2010 |
| Title Geologist | | | | |
| Approved by Signature Manhalles Coste | Name (Printed/Typed) | | | Date 3/8/11 |
| Title AFM | Office FFO | | | |
| Application approval does not warrant or certify that the applicant hold: conduct operations thereon. Conditions of approval, if any, are attached. | s legal or equitable title to those righ | ts in the sub | ject lease which would en | title the applicant to |
| Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a cr States any false, fictitious or fraudulent statements or representations as t | ime for any person knowingly and on any matter within its jurisdiction. | villfully to m | take to any department or | agency of the United |

*(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 575 - 595 feet. The interval will be fracture stimulated.

This action is subject to technical and procedural review pursuant to 43 CFR 3165.9 and appeal pursuant to 43 CFR 3165.4

MAR 1 6 2011 NMOCD

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

r.P

1209

District I 1625 N. French Dr., Hobbs, NM 88240

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised October 12, 2005

1301 W. Grand Avenue, Artesia, NM 88210

1220 S. St. Francis Dr., Santa Fe, NM 87505

OIL CONSERVATION DIVISION State Lease - 4 Copies 1220 South St. Francis Dr.

Instructions on back

1000 Rio Brazos Rd., Aztec, NM 87410

Santa Fe, NM 87505

MAY 0 4 2010 _ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLATFORM

| 'API Number | *Pool Code | 'Pool Name | |
|----------------|---------------------|----------------------|--------------|
| 30.045.35147 | 71629 | BASIN FRUITLAND COAL | |
| *Property Code | *Pr | operty Name | *Well Number |
| 38533 | MÁRY ROSE COM | | 2 |
| 'OGRID No | * Op | erator Name | *Elevation |
| 006515 | DUGAN PRODU | CTION CORPORATION | 6588 |
| | ¹⁰ Sunfa | ace Location | |

UL or lot no. Section Township Range Lot Idn Feet from the North/South line East/West line County Feet from the 22N \Box 20 **8W** 1095 SOUTH 1260 **EAST** SAN JUAN ¹¹Bottom Hole Location If Different From Surface UL or lot no. Section Range Lot Idn North/South line Feet from the Feet from the County East/West line 12 Dedicated Acres 13 Joint or Infill ¹⁵ Order No. ¹⁴ Consolidation Code 320.0 Acres - (E/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

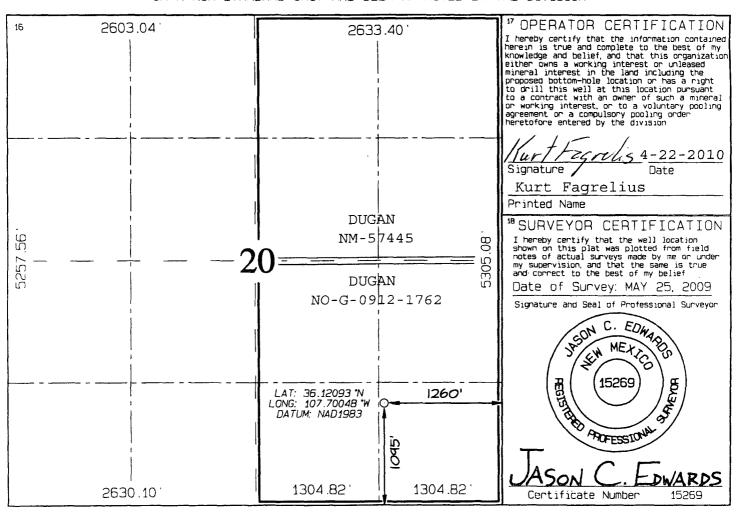


EXHIBIT B OPERATIONS PLAN

Mary Rose Com #2

APPROXIMATE FORMATION TOPS:

| Total Depth | 755 <i>′</i> |
|-----------------|--------------|
| Pictured Cliffs | 600 ′ |
| Fruitland | 245′ |
| Kirtland | Surface |

Catch samples every 10 feet from 500-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 |
| 7-7/8" | 5-1/2" | 15.5# | 755 ′ | 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 7-7/8" hole to total depth with gel-water mud program to test the Fruitland Coal. 5-1/2", 15.5#, 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 75-cf Class B + 2% CaCl₂. Circulate to surface.

Production Stage - Cement w/56-sx Premium Lite FM 3% BWOC

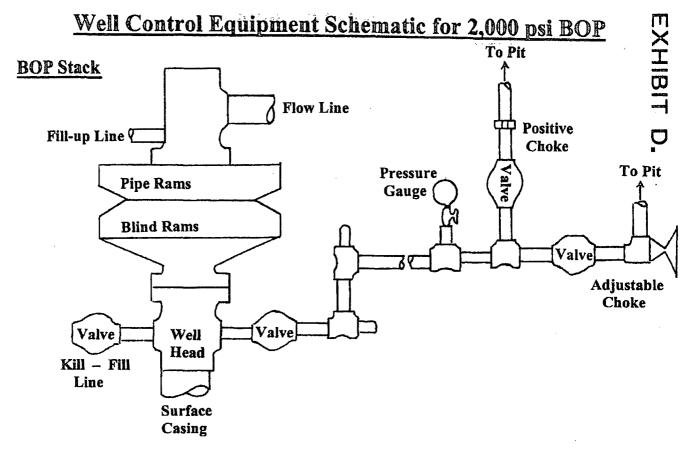
Calcium Chloride + 0.25 lbs/sx Celloflake + 5 lbs/sk

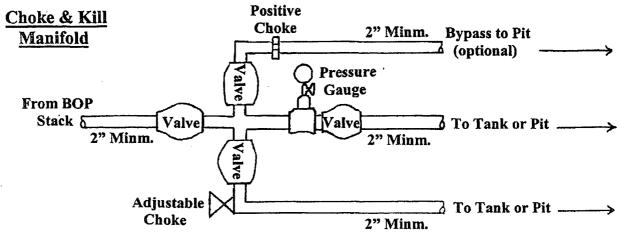
LCM-1 + 0.4% BWOC FL-52 + 8% BWOC Bentonite + 0.4%

BWOC Sodium Metasilicate + 112.3% fresh water (12.1 lb/gal, 2.13 cu ft/sx - 120-cu ft slurry). Tail

w/58-sx Type III cement + 1 lb/sk Calcium Chloride + 0.25 lb/sx Celloflake + 0.2% BWOC FL-52 + 59% fresh water (14.6 lb/gal, 1.38 cu ft/sx-80-cu ft slurry).

Total cement slurry for production stage is 200-cf Circulate cement to surface.





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

DUGAN PRODUCTION CORP.

Mary Rose Com #2