

RCVD JAN 25 2007  
OIL CONVS. DIV.  
DIST. 8

Form 3160-3  
(February 2005)

UNITED STATES  
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. NMSF 047039-B	
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 ROBERT L. BAYLESS, PRODUCER LLC		7. If Unit or CA Agreement, Name and No.	
3a. Address P.O. BOX 168, FARMINGTON, NM 87499		8. Lease Name and Well No. Bimson #1G	
3b. Phone No. (include area code) (505) 326-2659		9. API Well No. 30-045-33991	
4. Location of Well (Report location clearly and in accordance with an State requirements *) At surface 1400 FNL & 1425 FEL At proposed prod. zone SAME		10. Field and Pool, or Exploratory Basin Fruitland Coal	
11. Sec., T., R., M., or Blk. and Survey or Area Section 17, T28N, R10W G		12. County or Parish San Juan	
13. State New Mexico		14. Distance in Miles and Direction from nearest town or post office* 155 Miles from Farmington	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1400 FT - LEASE LINE		16. No. of Acres in Lease 640	
17. Spacing Unit dedicated to this well 320 N/A		18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this Lease, ft. 600 FT	
19. Proposed Depth 2035		20. BLM/BIA Bond No. on file 40S23024BCA	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5821 FNL 5817 GL		22. Approximate date work will start* ASAP	
23. Estimated duration 8 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:

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification.   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Habib J. Guerrero	Date 10-04-06
SEE ATTACHED FOR CONDITIONS OF APPROVAL		
Title Engineer	Date 1/23/07	
Approved by (Signature) 	Name (Printed/Typed) AFM	Office FTO
Title AFM		

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 reverse)

Submit application for pit permit on OGD form C-103 prior to constructing location  
NOTIFY AZTEC OGD 24 HRS IN TIME TO WITNESS CEMENTING

This action is subject to technical and procedural review pursuant to 30 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

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

NMOCD  
B 1/26/07

ROAD JUNG007  
OIL CONS. DIV.

154

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1391 W. Grand Avenue, Artesia, NM 88210  
District III  
1090 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised June 10, 2003  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

* APT Number <b>30-045-33991</b>		* Pool Code <b>71629</b>	* Pool Name <b>BASIN FRUITLAND COAL</b>
* Property Code <b>33497</b>	* Property Name <b>BIMSON FEDERAL #1</b>		* Well Number <b>1G</b>
* OGRID No. <b>150182</b>	* Operator Name <b>ROBERT L. BAYLESS, PRODUCER LLC</b>		* Elevation <b>5817</b>

**10 Surface Location**

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
<b>G</b>	<b>17</b>	<b>28N</b>	<b>10W</b>		<b>1400</b>	<b>North</b>	<b>1425</b>	<b>East</b>	<b>San Juan</b>

**11 Bottom Hole Location If Different From Surface**

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County

* Dedicated Acres <b>320 N/2</b>	* Joint or Infill	* Consolidation Code	* Order No.
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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

	<b>17 OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature <b>Price M Bayless</b>  Printed Name <b>Engineering Manager</b> <b>tucker@rlbayless.com</b>  Title and E-mail Address <b>12-23-04</b>  Date
	<b>18 SURVEYOR CERTIFICATION</b> 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.  <b>04 Oct 2004</b>  Date of Survey Signature and Seal of Professional Surveyor <b>#8466</b> <b>William E. Mahake II</b>  Certificate Number <b>8466</b>



# Robert L. Bayless, Producer LLC

## Drilling Technical Program

(Attachment to Form 3160-3)

### Bimson #1G

1400 FNL & 1425 FEL (swne)

Section 17, T28N, R10W

San Juan County, New Mexico

#### 1. ESTIMATED FORMATION TOPS

<u>Formation</u>	<u>Depth KB</u>	<u>Est Pressure</u>
Nacimiento	Surface	
Ojo Alamo	755 feet	
Kirtland	925 feet	
Fruitland	1660 feet	420 psi
Pictured Cliffs	1915 feet	500 psi
Total Depth	2035 feet	

#### 2. WELL CONTROL SYSTEM

- A. The proposed blowout system (schematic drawings attached) is a bag type preventer, and will be used in 1000 psi service. The wellhead pressure is anticipated to be low and no gas flow to surface.
- B. Maximum anticipated bottom hole pressure = 500 psi. Well Control Anticipated Surface Pressure (ASP) = 500 psi.
- C. BOP pressure testing will be conducted at the time of installation and prior to drilling out surface casing shoe. The annular will be closed daily. A choke manifold will be installed as per attached drawing. Working pressure for the choke manifold is 2000 psi. In addition, a kill line from the mud pump will be installed.
- D. Stabbing valves for drill pipe and drill collars will be available on the rig floor. An upper kelly cock will also be available on the rig.
- E. Anticipated formation pressures average .25 psi/ft gradient and formation fracture pressures are anticipated to exceed the maximum mud weight of 9.1 pounds per gallon.

### 3. DRILLING MUD PROGRAM

- A. A 8 ¾" surface hole will be drilled with a fresh water system. Lime and gel will be added to provide viscosity as needed.
- B. A 6 ¼" hole will be drilled to total depth utilizing LSND mud.

Interval	Mud System	Weight PPG	Viscosity sec/qt	WL cc
0 – 120 ft	Spud mud	<9.0	35 – 55	NC
120 – 2035	LSND	8.6 – 9.3	28 – 50	<12

- C. Mud level monitoring will be done visually.

### 4. HAZARDS

- A. Abnormal pressure is not expected in this area.
- B. Lost circulation is expected to be of minimal problems in this area.
- C. No hydrogen sulfide is expected. However, should hydrogen sulfide be encountered during drilling, detection and warning systems will be installed.
- D. Hole deviation is not expected in this area. Single shot surveys giving hole inclination will be run a minimum of every 500 feet.

### 5. LOGGING AND TESTING

- A. Induction and density logs will be run from total depth across all zones of interest.
- B. No drill stem tests are anticipated in this well.
- C. No cores are anticipated in this well.
- D. No mud logging unit will be used on this well.

### 6. CASING PROGRAM

- A. Surface casing: 7" 20.0 #/ft J-55 from surface to 120 feet
- B. Production casing: 4 ½" 10.5 #/ft J-55 from surface to 2035 feet.
- C. A proposed wellbore diagram is attached.

### 7. CEMENTING PROGRAM

- A. Surface casing: 38 sx (45 cf) Class B w/ 3% CaCl<sub>2</sub> circulated to surface
- B. Production Casing: 149 sx (320 cf) Premium Lite High Strength cement circulated to surface, volume may change due to caliper log on well.

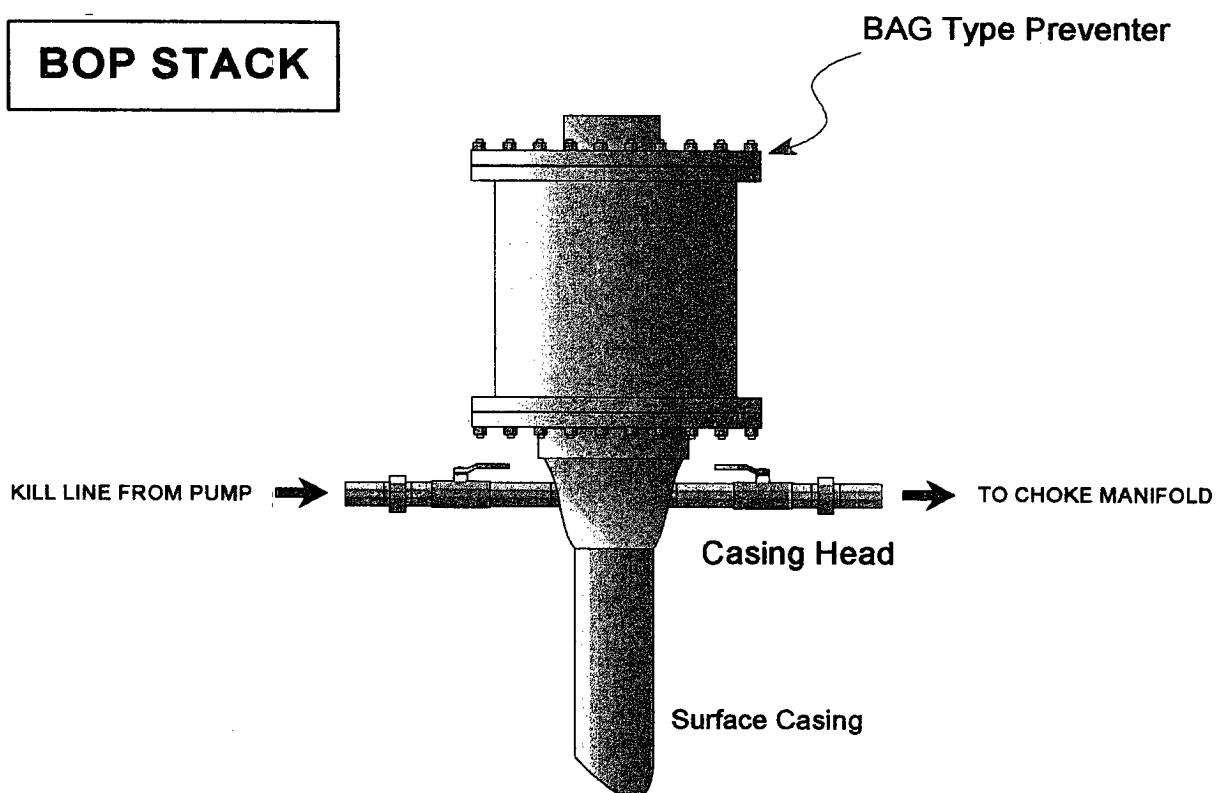
**Robert L. Bayless, Producer LLC**  
**Well Control Equipment Schematic for 1M Service**

Attachment to APD Form 3160-3

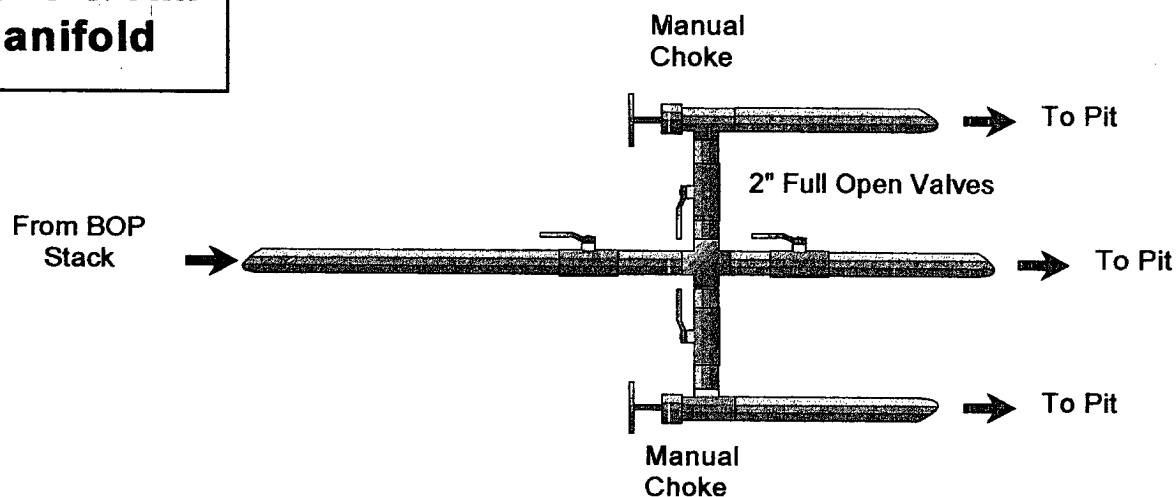
**Bimson # 1G**

Location: 1400 FNL & 1425 FEL  
Sec 17, T28N, R10W, NMPM  
San Juan County, New Mexico

**BOP STACK**



**Choke & Kill Manifold**



Robert L. Bayless, Producer LLC  
Wellbore Schematic

Bimson #1G

Proposed Wellbore Configuration

Location: 1400 FNL & 1425 FEL (swne)  
Sec 17, T28N, R10W, NMPM  
San Juan Co, New Mexico

Elevation: 5817' GL  
5822' RKB

Field: Basin Fruitland Coal

