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Form 3160-3
(August 1999)

2003 AUG 19 AM 11:41

FORM APPROVED
OMB NO. 1004-0136
Expires: November 30, 2000

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER**

070 Farmington, NM

5. Lease Serial No.	NM NM-101058
6. If Indian, Allottee or Tribe Name	
7. If Unit or CA Agreement, Name and No.	
8. Lease Name and Well No.	Juniper Com 34 17 # 34
9. API Well No.	3004531862
10. Field and Pool, or Exploratory	Basin Fruitland Coal
11. Sec., T., R., M., or Blk. And Survey or Area	Section 17, T24N, R10W
12. County or Parish	San Juan
13. State	NM
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*	South East of Farmington New Mexico on County RD. 7515 approximately 40 miles.
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg unit line, if any)	660'
16. No. of Acres in lease	1750.52
17. Spacing Unit dedicated to this well	320 ACRES E/2
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	NA
19. Proposed Depth	1440'
20. BLM/ BIA Bond No. on file	BLM Blanket Bond #08510612
21. ELEVATIONS (Show whether DF, RT, GR, etc.)	6677'
22. Approximate date work will start*	October-03
23. Estimated Duration	2 Weeks

1a. TYPE OF WORK	<input checked="" type="checkbox"/> DRILL	<input type="checkbox"/> REENTER
b. TYPE OF WELL	<input type="checkbox"/> OIL	<input checked="" type="checkbox"/> GAS WELL
	<input type="checkbox"/> OTHER	<input type="checkbox"/> SINGLE ZONE
		<input type="checkbox"/> MULTIPLE ZONE
2. Name of Operator	Coleman Oil & Gas, Inc.	
3a. Address	P.O. Drawer 3337, Farmington N.M. 87499	
3b. Phone No. (include area code)	(505) 327-0356	
4. Location of well (Report location clearly and in accordance with any State requirements *)	At surface 660' FSL, 1900' FEL Latitude 36° 18' 28", Longitude 107° 54' 56"	
	At proposed prod. zone	

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 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 <i>Michael T. Hanson</i>	Name (Printed/ Typed) Michael T. Hanson	DATE 13-Aug-03
Title Operations Engineer		2
Approved By (Signature) <i>David J. Markiewicz</i>	Name (Printed/ Typed) David J. Markiewicz	DATE NOV 20 2003
Title Asst. District Manager	Office District Office	

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.

*See Instructions On Reverse Side

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

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

NMOC

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

District II
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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-31862		*Pool Code 71629	*Pool Name BASIN FRUITLAND COAL
*Property Code 29193	*Property Name JUNIPER COM 17		*Well Number 34
*GRID No. 4838	*Operator Name COLEMAN OIL & GAS, INC.		*Elevation 6677

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
0	17	24N	10W		660	SOUTH	1900	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
¹² Dedicated Acres 320.0 Acres - (E/2)					¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ 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

¹⁶ 2651.88' 2632.74' RECEIVED 2003 AUG 19 AM 11:41 070 Farmington, NM 2626.14' 2676.30'		17 2616.24' API Number 30-045-30635 JUNIPER COM 7 #41 1140' LEASE NM-104606 5397.48' LEASE NM-101058 JUNIPER COM 17 #34 1900' 660' 2627.46'	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature Michael T. HANSON Printed Name Engineer Title 8/13/03 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: APRIL 1, 2003 Signature and Seal of Professional Surveyor JASON C. EDWARDS Certificate Number 15269

Sunday, August 17, 2003

OPERATIONS PLAN

Well Name: Juniper Com #34-17
Location: 660' FSL, 1900' FEL Section 17, T-24-N, R-10-W, NMPM
San Juan County, NM
Formation: Basin Fruitland Coal
Elevation: 6677' GL

Formation:	Top	Bottom	Contents
Nacimiento	Surface	440'	aquifer
Ojo Alamo	440'	525'	aquifer
Kirtland	525'	1015'	
Fruitland	1015'	1265'	gas
Pictured Cliffs	1265'	1440'	gas
Total Depth	1440'		

Drilling Contractor: Availability

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0 - 120'	Spud	8.4 - 9.0	40 - 50	no control
120 - 1440'	Non-dispersed	8.4 - 9.0	30 - 60	6cc or less

Logging Program: Porosity Log - Triple Litho Density W/ GR and CAL.
Induction Log - Array Induction W/ GR and SP

Coring Program: None

Casing Program:

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csg. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 120'	8 5/8"	24#	J-55 or K-55
7 7/8"	120' - 1440'	5 1/2"	15.5#	J-55 or K-55

Tubing Program:

0' - 1325'	2 7/8"	6.50#	J-55
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Float Equipment:

8 5/8" surface casing - saw tooth guide shoe. One Centralizer.

5 1/2" production casing - Cement guide shoe and self fill insert float collar. Place float one joint above shoe. Five centralizers spaced every other joint above shoe and five turbolizers every other joint from top of well.

Wellhead Equipment: 8 5/8" x 5 1/2" Braiden Head and 5 1/2" x 2 7/8" Tubing Head.
Independent Well Head assembly with a minimum rated working pressure of 1000 psig.

Cementing:**8 5/8" Surface Casing -**

Cement with 84 sacks Class "B" cement with 1/4# celloflake/sx and 2% calcium chloride (83.93 cu. ft. of slurry, 100% excess to circulate to surface). WOC 12 hrs. Test casing to 600 psi/30 minutes.

5 1/2" Production Casing -

Before cementing circulate hole with at least 1 1/2 hole volumes of mud. Precede cement with 30 bbls of fresh water. Lead with 190 sx (391.40 cu. ft.) of Class "B" with 2% metasilicate and 1/4#/sk celloflake. (Yield = 2.06 cu. ft. /sk; slurry weight = 12.5 PPG). Tail with 85 sx (100.30 cu. ft.) of Class "B" with 2% CaCl and 1/4#/sk celloflake. (Yield = 1.18 cu. ft. / sk; slurry weight = 15.6 PPG). Total cement volume is 491.70 cu. ft. (100% excess on open hole, calculated on cement volumes). WOC 12 hrs. Test casing to 600 psi/30 minutes.

BOP and Tests:

Surface to TD - 11" 2000 psi (minimum) double gate BOP stack (Reference Figure #1). Prior to drilling out surface casing, test rams to 1000# / 30 min.

From surface to TD - choke manifold (Reference Figure #3).

Pipe rams will be actuated at least once each day and blind rams actuated once each trip to test proper functioning. An upper kelly cock valve with handle and drill string safety valves to fit each drill string will be maintained and available on the rig floor.

Additional information:

- The Fruitland Coal formation will be completed.
- Anticipated pore pressure for the Fruitland is 300 psi.
- New casing will be utilized.
- Pipe movement (either rotation or reciprocation) will be done if hole conditions permit.

Date: August 17, 2003 Drilling Engineer: Michael T. Janor