

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



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

5. Lease Serial No.
NM NM 104609
6. If Indian, Allottee or Tribe Name
7. If Unit or CA Agreement, Name and No.
8. Lease Name and Well No.
Juniper West Com 24 #24
9. API Well No.
30-045-33594
10. Field and Pool, or Exploratory
Basin Fruitland Coal
11. Sec., T., R., M., or Blk. And Survey or Area
N Section 24, T24N, R11W
12. County or Parish
San Juan
13. State
NM

1a. TYPE OF WORK ☒ DRILL ☐ REENTER
b. TYPE OF WELL ☐ OIL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ 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
670' FSL, 1810' FWL Latitude 36° 17' 36.4", Longitude 107° 57' 26.5"
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
South East of Farmington New Mexico on County RD. 7610 approximately 50 miles.

15. Distance from proposed*
location to nearest
property or lease line, ft.
(Also to nearest drlg unit line, if any)

670

16. No. of Acres in lease
1120

17. Spacing Unit dedicated to this well
320 ACRES W/2

18. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft.

NA

19. Proposed Depth
1150'

20. BLM/ BIA Bond No. on file
BLM Blacket Bond #08510612

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6436

22. Aproximate date work will start*
May-06

23. Estimated Duration
2 Weeks

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 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
Michael T. Hanson

Name (Printed/ Typed)
Michael T. Hanson

Title
Operations Engineer

Approved By (Signature)
[Signature]

Name (Printed/ Typed)

Title
AFU

Office
PFO

2006 FEB 12-13
RECEIVED
P 6/15/06
42

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

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

DISTRICT II
811 South First, Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

P.O. 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 30-045-33594		*Pool Code 71629	*Pool Name Basin Ismailand Coal
*Property Code 35775	*Property Name JUNIPER WEST COM 24		*Well Number 24
*OGRID No. 4838	*Operator Name COLEMAN OIL & GAS, INC.		*Elevation 6436

¹⁰ Surface Location


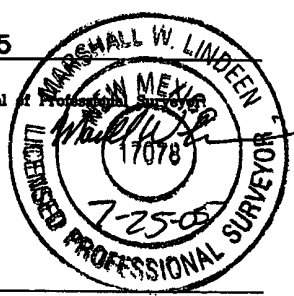
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	24	24 N	11 W		670	SOUTH	1810	WEST	SAN JUAN

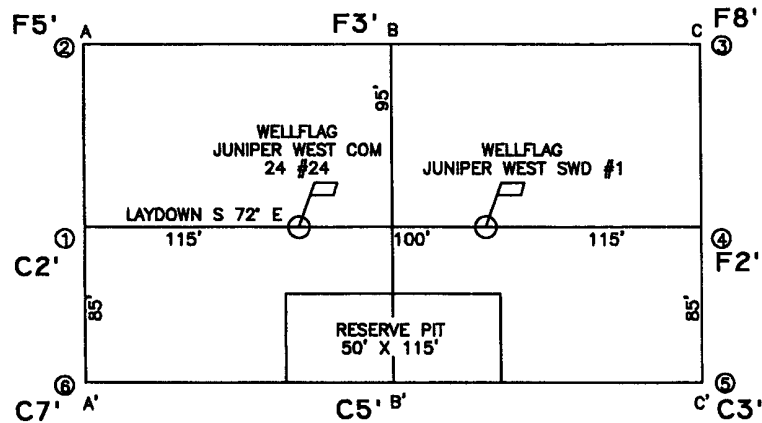
¹¹ Bottom Hole Location If Different From Surface

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 Ac.-W $\frac{1}{2}$	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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

16 N 89°37'23" W		5232.32'		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 OPERATIONS Engineer Title 3/12/06 Date
SECTION 24				
2625.30'		5269.06'		
N 0°19'44" E				
2635.01'				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. 5/24/05 Date of Survey Signature and Seal of Professional Surveyor  17078 Certificate Number
2635.01'				
N 0°17'24" E				
1810'		2617.78'		
N 89°32'40" W		2614.84'		



ELEVATION A-A'

6455				
6445				
6435				
6425				
6415				

B-B'

6455				
6445				
6435				
6425				
6415				

C-C'

6455				
6445				
6435				
6425				
6415				

LEASE: JUNIPER WEST COM 24 #24

FOOTAGE: 670' FSL, 1810' FWL

SEC. 24 TWN. 24-N RNG. II-W N.M.P.M.

LATITUDE: 36°17'36.4" LONGITUDE: 107°57'26.5"

ELEVATION: 6436

COLEMAN OIL & GAS, INC.
FARMINGTON, NEW MEXICO

SURVEYED: 5/24/05

REV. DATE:

APP. BY M.L.

DRAWN BY: T.G.

DATE DRAWN: 5/31/05

FILE NAME: 5801C01

UNITED
FIELD SERVICES INC.

P.O. BOX 3651
FARMINGTON, NM 87499
OFFICE: (505) 334-0408

Tuesday, July 19, 2005

OPERATIONS PLAN

Well Name: Juniper West Com 24 #24
Location: 670' FSL, 1810' FWL Section 24, T-24-N, R-11-W, NMPM
San Juan County, NM
Formation: Basin Fruitland Coal
Elevation: 6436' GL

Formation:	Top	Bottom	Contents
Nacimiento	Surface	140'	aquifer
Ojo Alamo	140'	250'	aquifer
Kirtland	250'	660'	
Fruitland	660'	950'	gas
Pictured Cliffs	950'	1150'	gas
Total Depth	1150'		

Drilling Contractor: Availability

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0' - 120'	Spud	8.4 - 9.0	40 - 50	no control
120' - 1150'	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:

Hole Size	Depth Interval	Csg. Size	Wt.	Grade
12 1/4"	0' - 120'	8 5/8"	24#	J-55 or K-55
7 7/8"	120' - 1150'	5 1/2"	15.5#	J-55 or K-55

Tubing Program:

0' - 1010'	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 centralizers every other joint from top of well straddling Ojo Alamo.

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 92 sacks Class "B" cement with 1/4# celloflake/sx and 2% calcium chloride (108.56 cu. ft. of slurry, 100% excess to circulate to surface). WOC 12 hrs. Test casing to 750 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 20 bbls of fresh water. Lead with 105 sacks (274.05 cu. ft) of Class "G" with 3% D79 and 1/4# Per sack D29. (Yield = 2.61 cu. ft. /sack; slurry weight = 11.7 PPG). Tail with 90 sacks (113.4 cu. ft.) of Class "G" 50/50 POZ with 2% GEL D-20, 5# Per sack Gilsonite, .1% D46, 1% S-1 and 1/4# Per sack D29. (Yield = 1.26 cu. ft./sack; slurry weight = 13.5 PPG). Total cement volume is 387.45 cu. ft. (100% excess on open hole, calculated on cement volumes).

BOP and Tests:

Surface to Surface Total Depth – None

Surface TD to Total Depth – Annular or Double Ram Type 2000 psi (minimum) double gate BOP stack (Reference Figure #1, #2, #3). Prior to drilling out surface casing, test blind rams and casing to 750 psig for 30 minutes; all pipe rams and choke assembly to 750 psig for 15 minutes each.

From Surface TD to Total Depth - 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 250 psi.
- New casing will be utilized.
- Pipe movement (either rotation or reciprocation) will be done if hole conditions permit.

Date: 2/12/06 Drilling Engineer: Michael T. Spencer

Cementing Usage Plan

Juniper West Com 24 #24

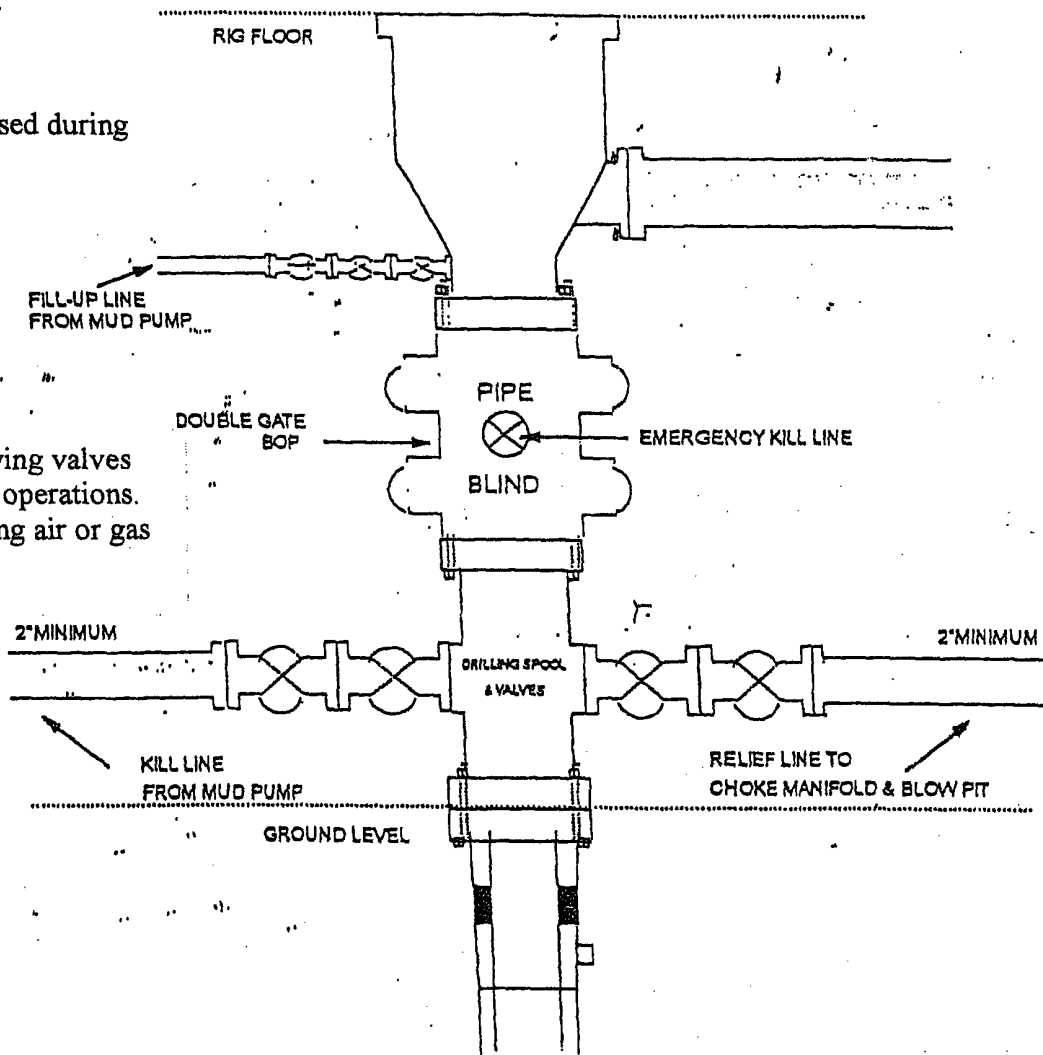
Enter Surface Casing Depth	120	FT
Enter capacity between Surf casin/ hole	0.41271	cu ft per ft
Enter Yield for surface cement job	1.18	cu ft per sack
Enter capacity between Prod/Surface Casings	0.19259	cu ft per ft
Enter Total Depth	1150	FT
Enter Shoe Joint Length	44	FT
Enter PBTD	1106	FT
Enter Capacity between Production/Hole	0.17325	cu ft. per ft
Enter Lead Cement Yield	2.61	cu ft per sack
Enter Tail Cement Yield	1.26	cu ft per sack
Enter Production Casing Capacity	0.0238	bbl per ft
Enter Amount of Tail Cement Required	90	Sacks

Surface Cement Needed (100% excess)	92	Sacks	→	108.56	cu ft
TOTAL HOLE REQUIREMENTS	385.89	cu ft of cement			
Lead Cement	→	105	Sacks	→	274.05 cu ft
Tail Cement	→	90	Sacks	→	113.40 cu ft
TOTAL CEMENT VOLUME	387.45	cu ft			

BOP Configuration 2M psi System

Rotating head will be used during
air or gas drilling only.

Drilling spool single wing valves
during normal drilling operations.
Dual wing valves during air or gas
dilling.



13 5/8" and 11" Bore, 2000psi minimum working pressure double gate BOP to be equipped with blind and pipe rams: A Schaffer Type 50 or equivalent rotating head to be installed on the top of the BOP. All equipment is 2000psi working pressure/ or greater.

FIGURE #1

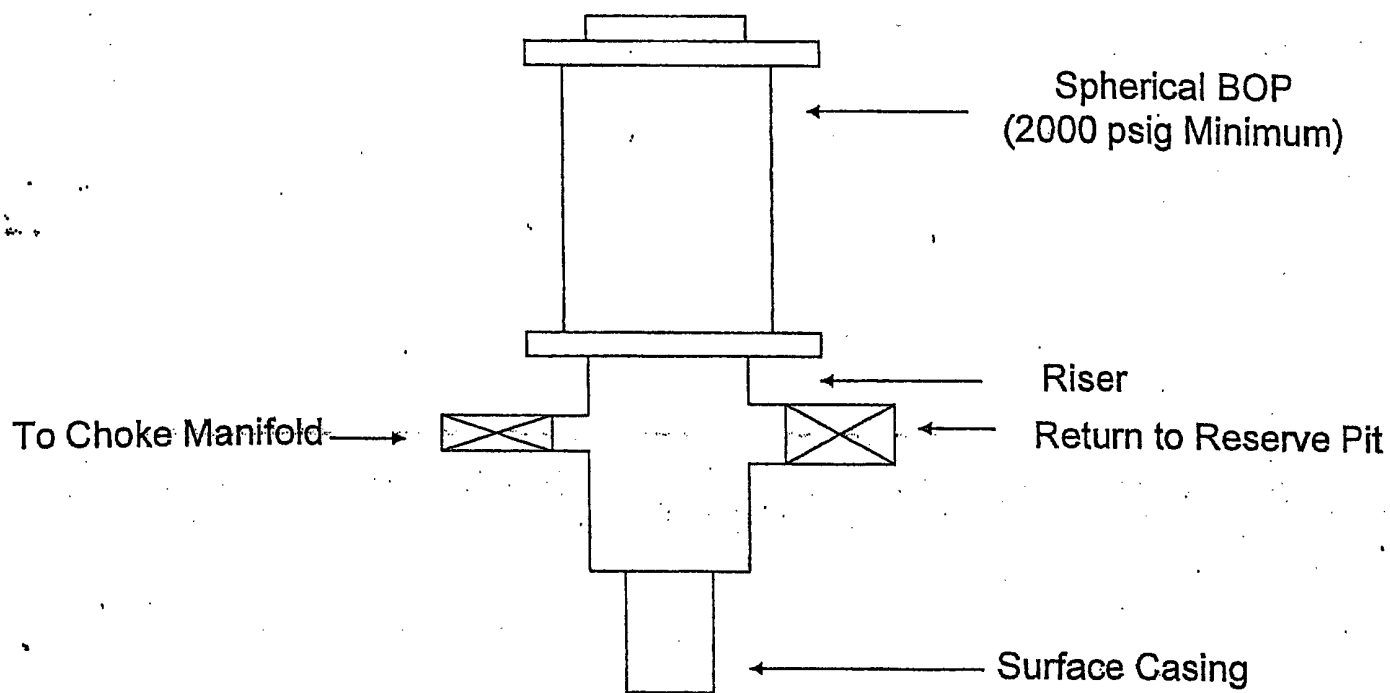
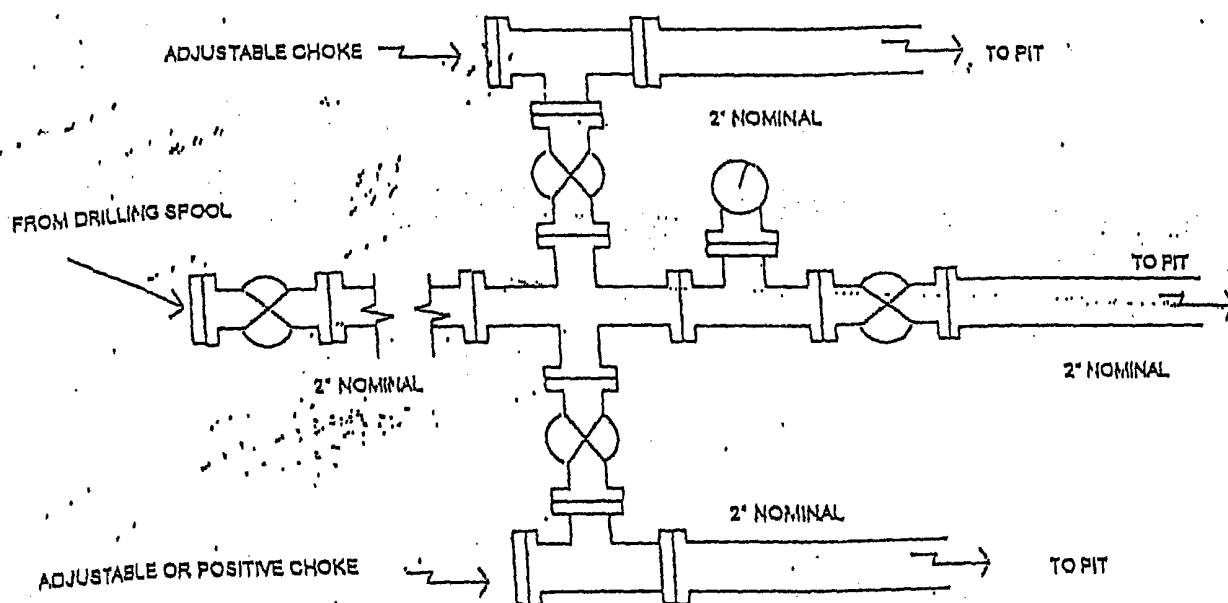


FIGURE #2

Choke Manifold Configuration 2M System



Minimum choke manifold installation from surface to Total Depth.
2" minimum, 2000psi working pressure equipment with two chokes.