JINITED STATES

2006 JUL 11 EM 11 HO

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

BUREAU OF LAND MANAGEM APPLICATION FOR PERMIT TO DRILL OF	<b>LOYU</b> FARMINOTINE		Lease Serial No.  NM NM 1046  If Indian, Allottee or Tribe N		
1a. TYPE OF WORK X DRILL  b. TYPE OF WELL OIL X GAS WELL OTHER SIN	REENTER  NGLE ZONE MULTIPLE ZON	8.	If Unit or CA Agreement, Na Lease Name and Well No. uniper West Con		
2. Name of Operator  Coleman Oil & Gas, Inc.		9.	API Well No. 30 - 045-	33844	
3a. Address  P.O. Drawer 3337, Farmington N.M. 87499  4. Location of well (Report location clearly and In accordance with any State requests are also accordance with any State requests are also accordance with any State requests accordance with a state request accordance	,	11.	Basin Fruitla Sec., T., R., M., or Blk. And F Section 15, T2	and Coal Survey or Area	
At proposed prod. zone  14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST  South East of Farmington New Mexico on County RD		1	County or Parish San Juan	13. State	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg unit line, if any)	16. No. of Acres in lease 840.32	17. Spacing	Unit dedicated to this well  7.19 320 ACRE		
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.  NA  21. ELEVATIONS (Show whether DF. RT, GR, etc.)	<ul> <li>19. Proposed Depth</li> <li>1275</li> <li>22. Aproximate date work will start*</li> </ul>		BLM Blacket Bond #08510612  [23. Estimated Duration]		
6512'	2	2 Weeks			
<ol> <li>Well plat certified by a registered surveyor.</li> <li>A Drilling Plan.</li> <li>A Surface Use Plan ( if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).</li> </ol>	<ul><li>4. Bond to cover the operation item 20 above).</li><li>5. Operator certification.</li></ul>	ns unless cove	orm: red by existing bond on file(se or plans as may be required by		
Title ///what T. //ansr	(Printed/Typed) Michael T. Hanso	n	DATE 1	0-Jul-06	
Operations Engineer  Approved By (Signature)  Name (	(Printed/Typed)	<u> </u>	DATE	2/05	
Title  Application approval does not warrant or certify that the applicant holds legal or equitable operations thereon.  Conditions of approval, if any, are attached.	ole title to those rights in the subject lease w	vhich would er	ntitle the applicant to conduct		
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any States any false, fictitious or fraudulent statements or representations as to any matter was See Instructions On Reverse Side		any departme	nt or agency of the United		

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



This action is subject to technical and procedural review pursuant to 43 CFR \$165.\$ and appeal pursuant to 43 CFR \$165.4



DISTRICT I

State of New Mexico Energy, Minerals & Natural Resources Department

DISTRICT II

811 South First, Artesia, N.M. 88210

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

DISTRICT III

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

DISTRICT IV

2040 South Pacheco, Santa Fe, NM 87504-2088

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised Febuary 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies

State Lease - 4 Copies Fee Lease - 3 Copies

☐ AMENDED REPORT

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

30-045-33	8844	2 Prof Code	Basin Fruitland C	val
Property Code		JUNIPE	<sup>6</sup> Well Number 22	
70GRID No. 4838		1 *	perator Name OIL & GAS, INC.	° Elevation 6512

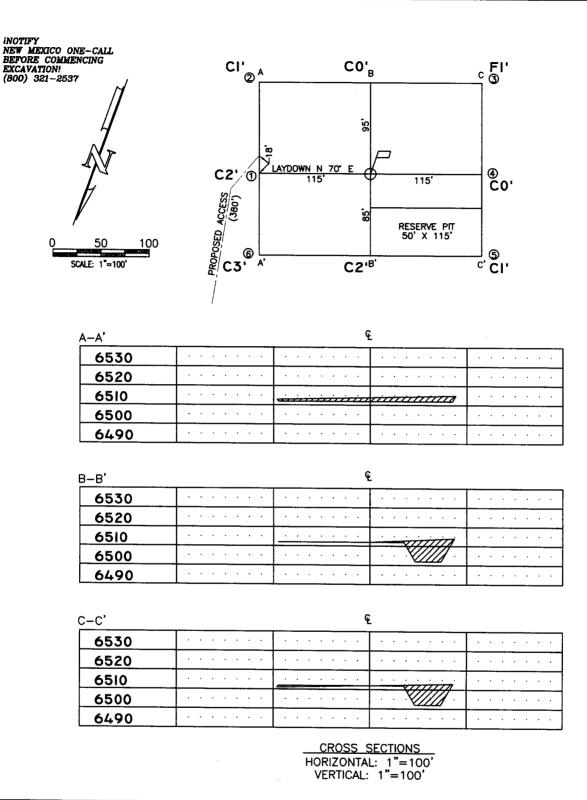
10 Surface Location

UL or lot no.	Section	Township	Range	Lot 7thp	Feet from the	North/South line	Feet from the	East/West line	County
F	15	24 N	II W	(8)	2000	NORTH	1600	WEST	SAN JUAN
			11 Botto	m Hole	Location I	f Different Fro	om Surface		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acre	s <sup>13</sup> Joint	or Infill	4 Consolidati	on Code	Order No.	<del></del>	<del></del>		
Wp				İ					

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

	OR A NON-SIAN	DARD UNIT HAS B	EEN APPROVED D	I THE DIVISION
16 S 89°23'26" E	2627.38'	S 89°26'54" E	2626.88'	<sup>17</sup> OPERATOR CERTIFICATION
io\				I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief
2674.45			78.	
729	1 (		96.	
N			2686	_
	2000.			
				Muhal T. Haror
3			ш	Signeture
.7	·		• 1	Printed Name
1600°	LAT. 36.3154	7°	71.02.00	Operations Engineer
1000	LONG. 107.99 NAD 83	556°		Title —// /
T I	SECTION	: !E	တ	7/10/06
	SECTION	15		
				18 SURVEYOR CERTIFICATION
. 82			62.	I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me
2675.58'			2681.	or under my supervision, and that the same is true and correct to the best of my belief
567			56	
				3/08/06 1 POUND
				Date of Survey State of Surveyor Signature and San Signature Surveyor 6846
≥				( ) (g)
52			2• E	LEG (6846) SEGNATION OF THE SEGNATION OF
2.63.20			33	[SE 6840]
II \ \			0°15	
<b>       </b>		'	S	Tale TOFFERENCES
N 89°09'30" W	2547.04	N 89°09'27" W	2547.00'	Certificate Number 6846

Submit 3 Copies To Appropriate District Office	State of New Mexico		Form C-103
District I	Energy, Minerals and Natural Resources		May 27, 2004 WELL API NO.
1625 N. French Dr., Hobbs, NM 88240 District II	OH COMPRESSION	DIMOION	30-045-33844
1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATION DIVISION 1220 South St. Francis Dr.		5. Indicate Type of Lease
<u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, NM 87		STATE FEE
<u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505	Sama re, Nivi 67	303	6. State Oil & Gas Lease No. Federal NMNM 104608
SUNDRY NOT (DO NOT USE THIS FORM FOR PROPO DIFFERENT RESERVOIR. USE "APPLI	ICES AND REPORTS ON WELLS ISALS TO DRILL OR TO DEEPEN OR PLU CATION FOR PERMIT" (FORM C-101) FO	JG BACK TO A	7. Lease Name or Unit Agreement Name Juniper West Com 15 #22
PROPOSALS.)  1. Type of Well: Oil Well	Gas Well 🛛 Other		8. Well Number #22
Name of Operator     Coleman Oil & Gas, Inc.			9. OGRID Number 004838
3. Address of Operator P.O. Drawer 3337	Farmington, NM 87499		10. Pool name or Wildcat Basin Fruitland Coal
4. Well Location			<u> </u>
Unit Letter: : 2000 fee	et from the North line and 1600 fee	et from the West lin	ne
Section 15 Townsh		County San Juan	
	11. Elevation (Show whether DR,	RKB, RT, GR, etc.	)
Pit or Below-grade Tank Application 🛛	6512' GR.		
			ΟΟΟ΄ miles. Distance from nearest surface water 800 feet.
Pit Liner Thickness: 12 mil Belov		bbls: Construction	
		_	
12. Check	Appropriate Box to Indicate N	ature of Notice,	Report or Other Data
	NTENTION TO:	SUB	SEQUENT REPORT OF:
PERFORM REMEDIAL WORK	<del></del> -	REMEDIAL WOR	
TEMPORARILY ABANDON DULL OR ALTER CASING		COMMENCE DR	ILLING OPNS. P AND A
PULL OR ALTER CASING	MOLTIPLE COMPL	CASING/CEMEN	IT JOB 📙
OTHER: Construct and Reclaim F			ct and Reclaimed reserve pit
of starting any proposed w or recompletion.	pleted operations. (Clearly state all ork). SEE RULE 1103. For Multip	pertinent details, ar le Completions: A	nd give pertinent dates, including estimated dat ttach wellbore diagram of proposed completio
Discoulous six and the 14-10 at		٠.	
Dig earthen pit and line with 12 mi	thick reinforced plastic for drilling	reserve pit, as per a	approved Federal APD. See attached.
Coleman Oil & Gas, Inc. plans on r	eclaiming reserve pit as soon as pos	sible Free liquids	will be pulled and disposed of. Liner will be
	will be hauled off and disposed of. I		
I hereby certify that the information grade tank has been/will be constructed a	a above is true and complete to the b and closed according to NMOCD guidelines	est of my knowledg	ge and belief. I further certify that any pit or below $\square$ or an (attached) alternative OCD-approved plan $\square$
SIGNATURE // What 7	Manor TITLE:	Operations Engin	neer DATE: July 10, 2006
For State Use Only	Michael T	. Hanson <u>cogmha</u>	nson@sprynet.com (505) 327-0356
1	-M	MANUTO POLICE IS ALLE IS	DATE JUL 2 4 200
APPROVED BY: Conditions of Approval (if any):	TITLE	TOUR OFF DON'S II	DATE DATE



LEASE: JUNIPER WEST COM 15 #22 COLEMAN OIL & GAS, INC. FARMINGTON, NEW MEXICO FOOTAGE: 2000' FNL, 1600'FWL SURVEYED: 3/08/06 REV. DATE: APP. BY R.P. SEC. <u>15</u> TWN. <u>24 N</u> RNG. <u>II W</u> N.M.P.M. DRAWN BY: A.D. DATE DRAWN: 3/13/06 FILE NAME: 6593C01 LATITUDE: <u>36.315477°</u> LONGITUDE: <u>107.993556°</u> P.O. BOX 3651 FARMINGTON, NM 87499 OFFICE: (505) 334-0408 UNITED ELEVATION: 6512 FIELD SERVICES INC.

#### **OPERATIONS PLAN**

Well Name:

Juniper West Com 15 #22

Location:

2000' FNL, 1600' FWL Section 15, T-24-N, R-11-W, NMPM

San Juan County, NM

Formation:

**Basin Fruitland Coal** 

Elevation:

6512' GL

Formation:	Тор	Bottom	Contents
Nacimiento	Surface	265'	aquifer
Ojo Alamo	265'	375'	aquifer
Kirtland	375'	785'	
Fruitland	785'	1075'	gas
Pictured Cliffs	1075'	1275'	gas
Total Depth	1275'		

**Drilling Contractor:** Availability

#### **Mud Program:**

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	Fluid Loss
0' - 120'	Spud	8.4 - 9.0	40 - 50	no control
120' - 1275'	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' - 1275'	5 1/2"	15.5#	J-55 or K-55
Tubing Program:				
	0' - 1135'	2 7/8"	6.50#	J-55

#### 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 121 sacks (315.81 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 429.21 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 30 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:	1/10/06	Drilling Engineer:	Muhal T. Hanon

## **Cementing Usage Plan**

Juniper West Com 15 #22

**Enter Surface Casing Depth** 

Enter capacity between Surf casin/ hole

Enter Yield for surface cement job

**Enter capacity between Prod/Surface Casings** 

**Enter Total Depth** 

**Enter Shoe Joint Length** 

**Enter PBTD** 

**Enter Capacity between Production/Hole** 

**Enter Lead Cement Yield** 

**Enter Tail Cement Yield** 

**Enter Production Casing Capacity** 

**Enter Amount of Tail Cement Required** 

120	FT
0.41271	cu ft per ft
1.18	cu ft per sack
0.19259	cu ft per ft
1275	FT
44	FT
1231	FT
0.17325	cu ft. per ft
2.61	cu ft per sack
1.26	cu ft per sack
0.0238	bbl per ft
90	Sacks

**Surface Cement Needed (100% excess)** 

92

Sacks → 108.56 cu ft

**TOTAL HOLE REQUIREMENTS** 

429.20

cu ft of cement

**Lead Cement** 

**→ 121** 

Sacks → 315.81 cu ft

**Tail Cement** 

**>** 90

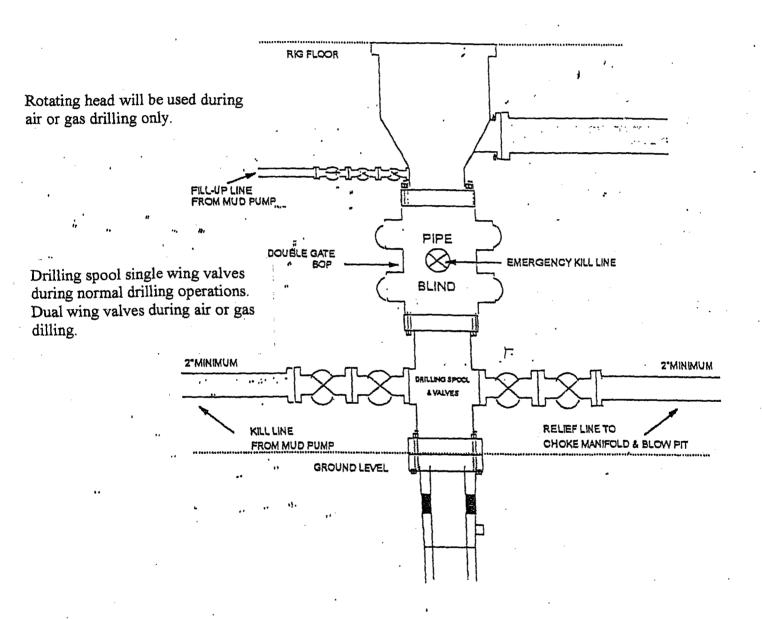
Sacks → 113.40 cu ft

**TOTAL CEMENT VOLUME** 

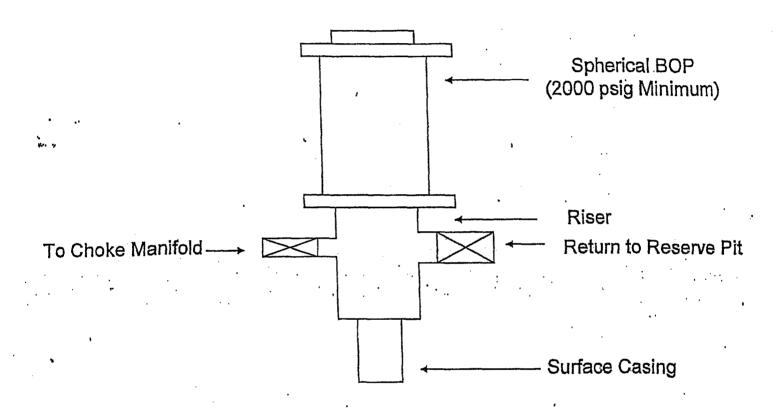
429.21

cu ft

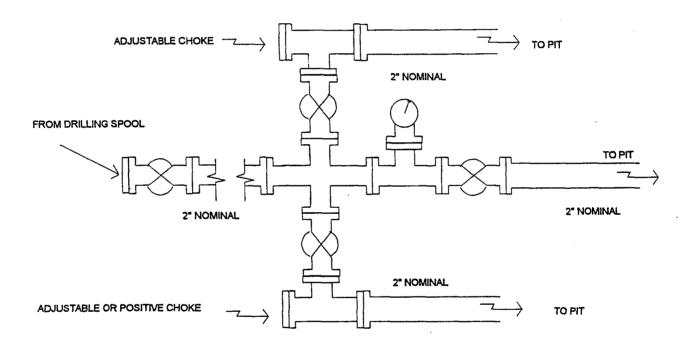
### BOP Configuration 2M psi System



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.



# Choke Manifold Configuration 2M System



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

Figure #3