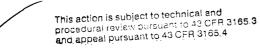
UNITED STATES DEPARTMENT OF THE INTERIOR BUREALDOF LAND MANAGEMENT

la.	Type of Work 070	FAD: S. Lease Number
a.	DRILL	FARMINGTON NMSF-078200-A
	53.5.2	FARMINGTON III Unit Reporting Number
b.	Type of Well GAS	6. If Indian, All. or Tribe
•	Operator BURLINGTON RESOURCES Oil & Gas Comp	7. Unit Agreement Name
3.	Address & Phone No. of Operator	8. Farm or Lease Name Grambling C
	PO Box 4289, Farmington, NM 874	9. Well Number
	(505) 326-9700	3В
ļ.	Location of Well	10. Field, Pool, Wildcat
	1800'FSL, 660' FEL	Blanco MV/Basin DK
		11. Sec., Twn, Rge, Mer. (NMPM)
⊿ati	tude 36 ⁰ 49.4498'N, Longitude 107 ⁰	49.7318'W $I_{\text{Sec }12, T-30-N, R-10-W}$ API# 30-045- 33/3/
4.	Distance in Miles from Nearest Town	12. County 13. State
	Aztec 15 miles	San Juan NM
5.	Distance from Proposed Location to Nearest	Property or Lease Line
6.	Acres in Lease	17. Acres Assigned to Well
8.		Well, Drlg, Compl, or Applied for on this Lease
9.	475' PC Proposed Depth	20. Rotary or Cable Tools
	7567'	Rotary
21.	Elevations (DF, FT, GR, Etc.)	22. Approx. Date Work will Start
	6287' GR	••
23.	Proposed Casing and Cementing Program See Operations Plan attached	
		1
	4 6	
24.	Authorized by: trances Dan	5-12-05
	Regulatory Specialis	Date
)EDM	IIT NO.	APPROVAL DATE
- =		150
	OVED BY AT X/// Quilles (s) Tit	LEHTM DATE 5-/5-0

Threatened and Endangered Species Report Attached

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3
Title 18 U.S.C. Section 1001, makes 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 presentations as to any matter within its jurisdiction.



District I PO Box 1980, Hobbs, NM 88241-1980 State of New Mexico Energy Minerals & Natural Resources Department

Form C-10 Revised February 21, 199 Instructions on bac Submit to Appropriate District Offic

District II PO Drawer DD, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION PO Box 2088

State Lease - 4 Copie Fee Lease - 3 Copie

District III 1000 Rio Brazos Rd., Aztec, NM 87410

Santa Fe, NM 87504-2088 2005 JUN 1 PM 12 06

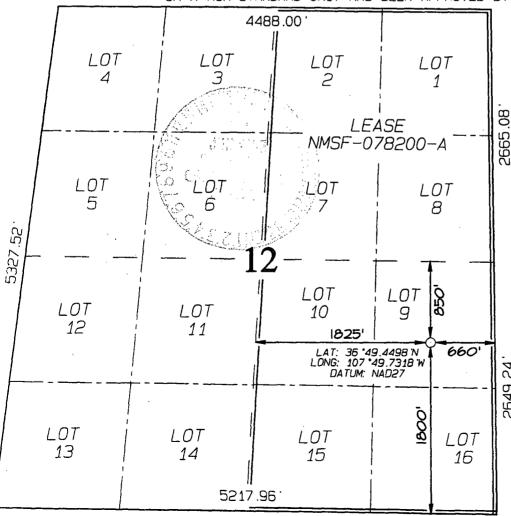
AMENDED REPORT

District IV PO Box 2088, Santa Fe. NM 87504-2088

RECEIVED WELL LOCATION AND AGREAGE TOEDICATION PLAT

	API Numbe	r		Pool Coc	te		³Pool Nam	e				
30-04	53	3131	723	19/7159	9 B	lanco Mesaver	de/Basin Da	kota				
*Property	Code				Propert	y Name				*Well Number		
7056	,		GR			AMBLING C			3B			
'OGRID I	Vo .	*Operator Name					• 6	levation				
14538			BURLI	NGTON F	RESOURCES	RCES OIL & GAS COMPANY, LP			6287 ·			
					¹⁰ Surface	Location						
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/Wes	it line	County		
I	12	30N	10W		1800	SOUTH	660	EAS	ST	SAN JUAN		
	L	11 🖯	ottom	Hole L	ocation 1	f Different	From Surf	ace		<u> </u>		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/Wes	it line	County		
12 Dedicated Acres	I				¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.					
MV/DK 29	96 E/2								•			

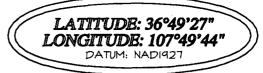
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

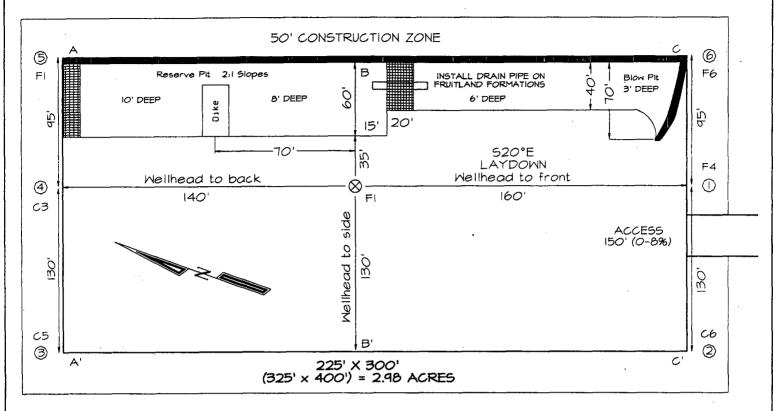


"OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief
1 1 A
trances Dond
Signature
Frances Bond
Printed Name
Regulatory Specialist
3 - 29-0s
Date
18 SURVEYOR CERTIFICATION
I hereby certify that the well location
shown 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: MARCH 7, 2005
Signature and Seal of Professional Surveyor
SECON C. EDWARDS
ME L AR
2/84 115/2/20/
15269 B
1 18 2
TO ESSION
To
UASON C. EDWARDS
Certificate Number 15269

	State of New Mexico	Form C-103
Office District I	Energy, Minerals and Natural Resources	
1625 N. French Dr., Hobbs, NM 88240	Energy, Minerals and Natural Resources	WELL API NO.
District II	OH CONCEDUATION DIVISION	30-039-
1301 W. Grand Ave., Artesia, NM 88210 District III	OIL CONSERVATION DIVISION	5. Indicate Type of Lease STATE FEE
	1220 South St. Francis Dr.	6. State Oil & Gas Lease No.
1000 Rio Brazos Rd., Aztec, NM 87410 District IV	Santa Fe, NM 87505	NMSF-078200-A
1220 S. St. Francis Dr., Santa Fe, NM 8750:	5	1417ISI -078200-A
	S AND REPORTS ON WELLS	7. Lease Name or Unit Agreement Name
(DO NOT USE THIS FORM FOR PROPOSALS T	O DRILL OR TO DEEPEN OR PLUG BACK TO A	
DIFFERENT RESERVOIR. USE "APPLICATION	FOR PERMIT" (FORM C-101) FOR SUCH	Grambling C
PROPOSALS.)		
1. Type of Well: Oil Well Gas Well X	Othor	8. Well Number
	Other	3B
2. Name of Operator	JRCES OIL & GAS COMPANY LP	9. OGRID Number 14538
3. Address of Operator	RCES OIL & GAS COMPART LI	10. Pool name or Wildcat
	ET, FARMINGTON, NM 87402	Blanco Mesaverde/Basin Dakota
4. Well Location		
	60 feet from the South line and	660 feet from the <u>East</u> line
Section 12	Township 30N Range 10 levation (Show whether DR, RKB, RT, GR, etc.)	W NMPM County San Juan
	levation (Snow whether DK, KKB, KI, GK, etc.)	
Pit or Below-grade Tank Application	or Closure	
Pit type New Drill Depth to Groundwat	er <100' Distance from nearest fresh water well	<1000' Distance from nearest surface water <1000'
Pit Liner Thickness: 12	mil Below-Grade Tank: Volume	bbls; Construction Material
	ppropriate Box to Indicate Nature of N	· · · · · ·
NOTICE OF IN		SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK	• 🛏 !	AL WORK ALTERING CASING
TEMPORARILY ABANDON	P	NCE DRILLING OPNS. P AND A
PULL OR ALTER CASING	MULTIPLE COMPL CASING	CEMENT JOB
OTHER: New I	Orill X OTHER:	
13. Describe proposed or completed	operations. (Clearly state all pertinent details, and	
13. Describe proposed or completed of starting any proposed work).		
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BURLINGTON RESOURCES OIL & GAS COMPANY, LP GRAMBLING C #3B, 1800' FSL & 660' FEL SECTION 12, T30N, R10W, NMPM, SAN JUAN COUNTY, NM GROUND ELEVATION: 6287' DATE: MARCH 7, 2005





Reserve Pit Dike: to be 8' above Deep side (overflow - 3' wide and 1' above shallow side). Blow Pit: overflow pipe halfway between top and bottom and to extend over plastic liner and into blow pit.

A-A'	 				
6298'	 				
6288'		1/	7	7	
6278'	 				
B-B'	 				· · · · · · · · · · · · · · · · · · ·
6298'	 			. , , , ,	
6288'	 /~=\-				77
6278'	 				
C-C'	 				
6298'	 , ,				
6288'	 / a		~		
6278'					

Note: Contractor should call One-Call for location of any marked or unmarked buried pipelines or cables on well pad and/or access road at least two (2) working days prior to construction

OPERATIONS PLAN

Well Name:

GRAMBLING C 3B

Location:

1800' FSL & 660' FEL, Section Sec 12 T30N R10W

San Juan County, New Mexico

Formation:

Blanco Mesaverde/Basin Dakota

Elevation:

6287' GL

Formation Tops:	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	1711'	
Ojo Alamo	1711'	1799'	aquifer
Kirtland	1799'	2769'	gas
Fruitland	2769'	2979'	gas
Pictured Cliffs	2979'	3124'	gas
Lewis	3124'	3704'	-
Huerfanito Bentonite	3704'		
Chacra	4014'	4704'	gas
Massive Cliff House	4704'	4784'	gas
Menefee	4784'	5231'	gas
Massive Point Lookout	5231'	5579'	gas
Mancos Shale	5579'	6512'	-
Gallup	6512'	7256'	gas
Greenhorn	7256'	7305'	gas
Graneros	7305'	7348'	gas
Two Wells	7348'	7452'	gas
Paguate	7452'	7489'	gas
Cubero	7489'	7567 '	gas
Total Depth:	7567'		gas
			-

Logging Program:

Mud Logs/Coring/DST

Mud logs - none

Coring - none

DST - none

Open hole - none

Cased hole - Gamma Ray, CCL, CBL - surface to TD

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	Fluid Loss
0 - 120'	Spud MUD/Air/Air Mist	8.4 - 9.0	40 - 50	no control
120 - 3224'	LSND	8.4 - 9.0	30 - 60	no control
3224 - 7567 ′	Air/Air Mist/Nitrogen	n/a	n/a	n/a

Casing Program (as listed, the equivalent, or better):

<u> Hole Size</u>	Depth Interval	<u>Csg.Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 120 ' <i>入00'</i>	9 5/8"	32.3#	H - 40
8 3/4"	0' - 3224'	7"	20#	J-55
6 1/4"	0' - 7567'	4 1/2"	10.5#	J-55

Tubing Program:

Depth Interval	<u>Csg.Size</u>	<u>Wt.</u>	Grade
0' - 7567'	2 3/8"	4.7#	J-55

BOP Specifications, Wellhead and Tests:

Surface to Intermediate TD -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1). After nipple-up prior to drilling out surface casing, rams and casing will be tested to 600 psi for 30 minutes.

Intermediate TD to Total Depth -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1). After nipple-up prior to drilling out intermediate casing, rams and casing will be tested to 1500 psi for 30 minutes.

Surface to Total Depth -

2" nominal, 2000 psi minimum choke manifold (Reference Figure #3).

Completion Operations -

7 1/16" 2000 psi double gate BOP stack (Reference Figure #2). After nipple up prior to completion, pipe rams, casing and liner top will be tested to 2000 psi for 15 minutes.

Wellhead -

9 5/8" x 7" x 4 $\frac{1}{2}$ " x 2 3/8" x 2000 psi tree assembly.

General -

- Pipe rams will be actuated once each day and blind rams will be actuated once each trip to test proper functioning.
- An upper kelly cock valve with handle available and drill string valves to fit each drill string will be available on the rig floors at all times.
- BOP pit level drill will be conducted weekly for each drill crew.
- All BOP tests & drills will be recorded in daily drilling reports.
- Blind and pipe rams will be equipped with extension hand wheels.

Cementing:

9 5/8" surface casing -

Pre-Set Drilled - Cement with 23 sx Type I, II cement with 20% flyash mixed at 14.5 ppg, 1.61 cu ft per sack yield. (38 cu ft of slurry, bring cement to surface) Wait on cement for 24 hours for pre-set holes before pressure testing or drilling out from under surface.

Conventionally Drilled - Cement with 88 sx Type III cement with 0.25 pps Celloflake, 2% CaCl. (113 cu ft of slurry, 200% excess, bring cement to surface) Wait on cement for 8 hrs for conventionally set holes before pressure testing or drilling out from under surface. Wait on cement appropriate time until cement achieves 250 psi compressive strength at 60 degrees F. prior to nipple up of BOPE. Wait on cement for 8 hrs for conventionally set holes before pressure testing or drilling out from under surface. Test casing to 600 psi for 30 minutes.

Saw tooth guide shoe on bottom. Bowspring centralizers will be run in accordance with Onshore Order #2.

7" intermediate casing -

Lead with 283 sacks Premium Lite cement with 3% calcium chloride, 0.25 pps Celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate. Tail w/90 sacks Type III cmt w/1% calcium chloride, 0.25 pps Celloflake, 0.2% fluid loss (727 cu ft 50% excess to circulate to surface). WOC minimum of 8 hours before drilling out intermediate casing. If cement does not circulate to surface, a CBL or a temperature survey will be run to determine TOC. Test casing to 1500 psi for 30 minutes.

Cement nose guide shoe on bottom with float collar spaced on top of shoe joint. Bowspring centralizers spaced every other joint off bottom, to the base of the Ojo Alamo @ 1799'. Two turbolating centralizers at the base of the Ojo Alamo 1799'. Bowspring centralizers spaced every fourth joint from the base of the Ojo Alamo to the base of the surface casing.

4 1/2" Production Casing -

Pump 299 sxs Premium Lite HS FM w/0.25 pps celloflake, 0.3% CD-32, 6.25 pps LCM-1, 1% fluid loss, 6% gel, 7 pps CSE (593 cu.ft., 30% excess to achieve 100' overlap in 4-1/2" x 7" annulus). WOC a minimum of 18 hrs prior to completing.

Cementing: Continued

Cement float collar stacked on top of float shoe.

Note: If open hole logs are run, cement volumes will be based on 25% excess over caliper volumes.

Cement nose guide shoe on bottom with float collar spaced on top of shoe joint. The liner hanger will have a rubber packoff.

• If hole conditions permit, an adequate water spacer will be pumped ahead of each cement job to prevent cement/ mud contamination or cement hydration.

Special Drilling Operations (Air/Mist Drilling):

The following equipment will be operational while air/mist drilling:

- An anchored blooie line will be utilized to discharge all cuttings and circulating medium to the blow pit a minimum of 100' from the wellhead.
- The blooie line will be equipped with an automatic igniter or pilot light.
- Compressors will be located a minimum of 100' from the wellhead in the opposite direction from the blooie line.
- Engines will have spark arresters or water cooled exhaust.
- The rotating head will be properly lubricated and maintained.
- A float valve will be utilized above the bit.
- Mud circulating equipment, water, and mud materials will be sufficient to maintain control of the well.

Additional Information:

- The Mesa Verde and Dakota formations will be completed and commingled.
- No abnormal temperatures or hazards are anticipated.
- Anticipated pore pressures are as follows:

Fruitland Coal 300 psi
Pictured Cliffs 600 psi
Mesa Verde 700 psi
Dakota 2000 psi

- Sufficient LCM will be added to the mud system to maintain well control, if lost circulation is encountered below the top of the Pictured Cliffs.
- The East half of Section 12 is dedicated to the Mesa Verde and Dakota.
- This gas is dedicated.

Drilling Engineer 5-13-05

Date

Completion/Workover Rig BOP Configuration 2,000 psi System



Burlington Resources

2000 psi System

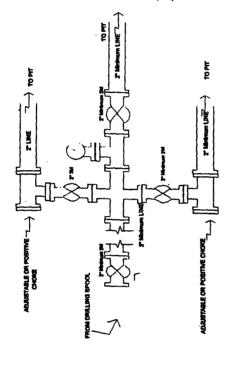
RIG PLOOR

ROTATING HEAD:

T FILL-UP LINE

Drilling Rig

BURLINGTON RESOURCES



DOUBLE GATE

GROUND LEVEL

ž.

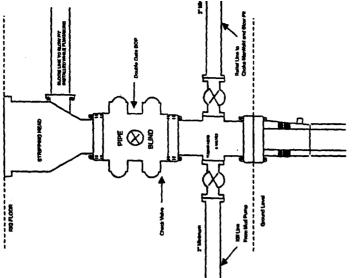
Z' Minimum (Ino

Choke manifold installation from Surface Casing Point to Total Depth. 2,000psi working pressure equipment with two chokes.

Figure #3

4-20-01

Figure #1



pressure double gate BOP to be equipped with blind and pipe rams. A stripping head to be installed on the top of Minimum BOP installation for all Completion/Workover Operations. 7-1/16" bore, 2000 ps! minimum working pressure or greater excluding 500 psi stripping head. the BOP. All BOP equipment is 2000 psi working

Figure #2

4-20-01