Form 3160	UNITED STAT	ES SUBMIT	'IN TRIPLICATE		ORM APPROVE MB NO: 1004-013	
(July 1992) D F	EPARTMENT OF THE			EXPEDI	TED	Right-of- Wa
2.	BUREALLOF LAND MANA	AGEMENT		5. LEASE DESIGN.	ATION AND SE	RIAL NO.
ADDI ICAT	TION FOR PERMIT TO	DRILL OR DEEPEN		NM-03187		
AFFLICA	TON TON ELECT			6. IF INDIAN, ALL NA	OTTEE OR TRI	BE NAME
A. TYPE OF WORK DRILL X	DEEPEN []		7. UNIT AGREEM NA	ENT NAME	2891
. TYPE OF WELL (. WELL [] GAS WELL [X]	OTHER SINGLE ZONE [MULTIPLE ZONE		8. FARM OR LEAS	SE NAME, WEL	1. NO.
NAME OF OPERATOR	65 / ·	1 1	×.	Lambe 2B		
och Exploration Comp		ton Kes.				30745
Address and telephone no P.O. Box 489, Aztec, NA	4 (505) 334-9111	2002		10. FIELD AND PO Blanco Mesa		Besin DuKos
, LOCATION OF WELL (Report located surface $\int \int \dot{Q} Q^{'}$ at proposed prod. zone	ation clearly and in accordance with an 860 FSL & 670 FEL Same 675	y State requirements.	*	11. SEC., T., R., M. S20, T31N,		SURVEY OR AREA
4. DISTANCE IN MILES AND DIRE	CTION FROM NEAREST TOWN OF	t POST OFFICE*		12. COUNTY OR P San Juan	ARISH	13. STATE NM
Approx. 7 Miles NE of A 5. distance from proposed vearest property or lease i	LOCATION 10	16. NO. OF ACRES IN LEASE 323.68	17. NO. OF ACRE	S ASSIGNED TO TI	118 WELL 25.08 E/2	324.30
Earest drig, unit line, if any) 8. DISTANCE FROM PROPOSED* (EAREST WELL, DRILLING, COM	PLETED, OR /OI	19. PROPOSED DEPTH 5500'	20. ROTARY OR	CABLE TOOLS	Rotary	
APPLIED FOR ON THE LEASE, FT. 21. ELEVATIONS (Show whether DF		2500	<u> </u>	22. APPROXIMA	ie date wort [1/1/]	
	the base or	PROPOSED CASING AND C	EMENTING PROC	RAM		
3	and or district	WEIGHT PER FOOT		G DEPTH	QU/	ANTITY OF CEMENT
SIZE OF HOLE	GRADE, SIZE OF CASING	36#32.3#	200 22	07 /	183	8/3/42
12 1/4"	7" J-55	2 0 #	3043310) +/	27/4	/ ¹ 340
8 3/4" 6 1/4"	4 1/2" J-55	10.5#		500 ' 7550	108	HORIZED ARE
	eal pursuant to 43 CFR	oen, give data on present productive zone a center program, if any.	nd proposed new pro	oductive zone. If propo	osal is to drill or de	eepen directionally, give pertinent
IN ABOVE SPACE DESCRIBE PROI on subsurface locations and measured a	POSED PROGRAM: If proposal is to deel in true vertical depths. Give blowout pres	enter program, if any.				1/20/01
SIGNED Den		TITLE: <u>Operations Manager</u>			DATE (
(This space for Federal o' State office t	ise)					
PERMIT NO.:			APPROVAL DA	TE:		
CONDITIONS OF APPROVAL, IF A	or certify that the applicant holds legal or NY: III J. Mankiewicz	equitable title to those rights in the subject	lease which would e	ntitle the applicant to c		2/7/02

DISTRICT I 1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised August 15, 2000

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

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT III

LOT 13

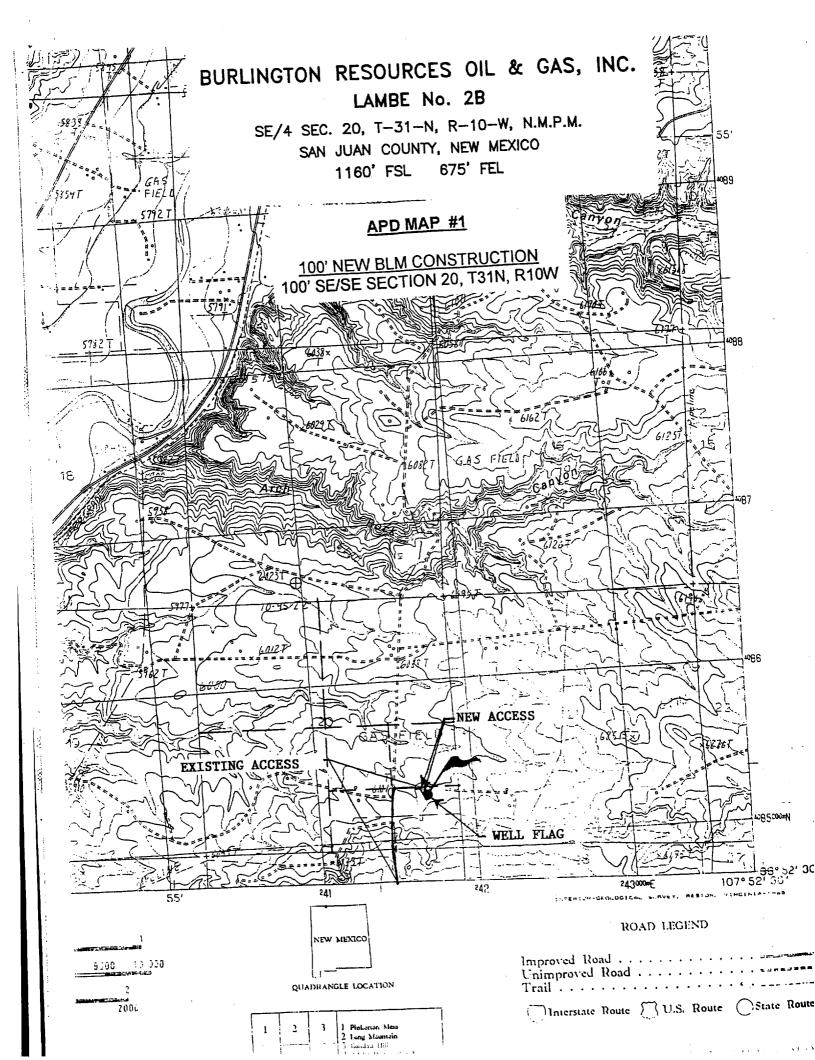
FD 3 1/4" BLM BC.1968

OIL CONSERVATION DIVISION

00 Rio Brasos Rd.,	Astec, N.	M. 87410		;	2040 South Pe Santa Fe, NM	87505	# 51	□ A	MENDED	REPORT
STRICT IV 040 South Pacheco	, Senta F	ь, им 67506 WE	LL LO	CATION	AND ACR	EAGE DEDIC	ATION PI	AT	·	
1 API. No	mber	1		Pool Code		nco Mesaverde	"Pool Nami	t		
30-045	0 79	5	/2319	/71599	Property N				• Well Nu	mber
Property Cod	•				LAME				2B	1
0891					Operator 1				1 Eleve	tion
TOGRED No.	-			DEEDE INCT	-	OIL & GAS, IN	C.		6114	•
14538		<u> </u>		BOKEIAGI				1		<u></u>
				Lot Idn	10 Surface Feet from the	North/South line	Feet from the	East/Ve	et line	County
UL or lot no.	Section	Township	Bange 10_W	Toe war	1160	SOUTH	675	EAST	s	AN JUAN
P	20	31-N	10-W	TT 1	·	f Different Fro	om Surface			
				om Hole	Feet from the	North/South line		e East/W	est line	County
UL or lot no.	Section	Township	Range	Lot Idn	1666 Hoth mp					
Dedicated Acres		<u> </u>	is Joint or	Infill	M Consolidation	Code	"Order No.			
E/324.30										
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NO ALLOW	ABLE V	OB V I	NON-ST	ANDARD	UNIT HAS B	EEN APPROVEI	BY THE D	IVISION		
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11				li li	LOT 10		> S www.p	letted from field	notes of asi	hail surveys son
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UNITED STATES

DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Buildly Notices	and Reports on Wel			
	-		5.	Lease Number NM-03187
			6.	
Type of Well	•		٥.	Tribe Name
GAS				11110 111110
	. \$ **		7.	Unit Agreement Na
Name of Operator				
BURLINGTON				
RESOURCES OIL & GR	AS COMPANY		_	
		- .	8.	
Address & Phone No. of Operator				Lambe 2B API Well No. ,
PO Box 4289, Farmington, NM 87	499 (505) 326-9700		9.	30-045-30 745
Total Table Con	m b M	-	10.	Field and Pool
Location of Well, Footage, Sec., 1160'FSL, 675'FEL, Sec.20, T-31-	N D-10-W NMPM			
1160 FSL, 675 FEL, Sec. 20, 1-31-	N, R 10 W, 10111		11.	County and State
				San Juan Co, NM
CHECK APPROPRIATE BOX TO INDICA	THE NATION OF NOTICE	R. REPORT	OTHER	DATA
CHECK APPROPRIATE BOX TO INDICATOR Type of Submission	Type of A	ction	,	
	Abandonment	X Chai		
X_ Notice of Intent _	Recompletion		onstruc	
Subsequent Report	Plugging Back			Fracturing
	Casing Repair	Water	Shut o	ff
	casing repair			
Final Abandonment	Altering Casing		rsion t	o Injection
Final Abandonment Describe Proposed or Complete The location of the subject we cut & fill diagram, and topo n	Other - od Operations all has been moved.	Conve		
Describe Proposed or Complete The location of the subject we	Other - od Operations all has been moved.	Conve		
Describe Proposed or Complete The location of the subject we cut & fill diagram, and topo re	Other - od Operations all has been moved.	Attache	d is th	ne revised C-102 pl

UNITED STATES

DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

	5.	Lease Number
		NM-03187
Type of Well GAS	6.	If Indian, All. or Tribe Name
	7.	Unit Agreement Nam
Name of Operator		
BURLINGTON RESOURCES OIL & GAS COMPANY		
. Address & Phone No. of Operator	8.	Well Name & Number Lambe #2B
PO Box 4289, Farmington, NM 87499 (505) 326-9700	9.	API Well No . 30-045-
. Location of Well, Footage, Sec., T, R, M		Field and Pool Blanco MV/Basin DK
860'FSL, 670'FEL, Sec.20, T-31-N, R-10-W, NMPM	11.	County and State
		San Juan Co, NM
2. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTIC	CE, REPORT, OTHER	DATA
Type of Submission Type of A X Notice of Intent Abandonment	Change of Pl	ans
Recompletion	New Construc	tion
Subsequent Report Plugging Back	Non-Routine	Fracturing
Casing Repair	Water Shut o	
Final Abandonment Altering Casing X Other -	Conversion t	o injection
x other		
3. Describe Proposed or Completed Operations		
		this well have
The dedicated acres for the Mesaverde and Dakot been revised from E/323.68 to E/324.30. Attack	ta formations in	ed C-102 plat.
been revised from E/323.66 to E/324.30. Actae.	ica ib the revise	.u 0 101 p1000
	d correct.	
4. Thereby certify that the foregoing is true an	d correct. ory Supervisor D	
4. Thereby certify that the foregoing is true an		ate 10/1/01TLW

UNITED STATES

DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Well		
	5.	Lease Number
1. Type of Well GAS	6.	If Indian, All. or Tribe Name
	7.	Unit Agreement Nam
2. Name of Operator		
BURLINGTON RESOURCES OIL & GAS COMPANY		_
	8.	Well Name & Number Lambe #2B
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	9.	API Well No.
4. Location of Well, Footage, Sec., T, R, M	10.	Field and Pool
860'FSL, 670'FEL, Sec.20, T-31-N, R-10-W, NMPM	11.	Blanco MV/Basin DK County and State
		San Juan Co, NM
12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE	, REPORT, OTHER	DATA
Type of Submission Type of Act	tion X Change of Pl	
Recompletion _	New Construc	tion
Subsequent Report — Plugging Back Casing Repair —	Non-Routine Water Shut o	
		- Table
Final Abandonment Altering Casing X_ Other -	Conversion t	o injection
	subject well.	
X_ Other - 13. Describe Proposed or Completed Operations It is intended to add the Dakota formation to the	subject well.	
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X_ Other - 13. Describe Proposed or Completed Operations It is intended to add the Dakota formation to the	subject well.	The operations
It is intended to add the Dakota formation to the plan will be altered according to the attached	subject well.	The operations
It is intended to add the Dakota formation to the plan will be altered according to the attached 14. I hereby certify that the foregoing is true and	subject well.	The operations
It is intended to add the Dakota formation to the plan will be altered according to the attached	subject well.	The operations
It is intended to add the Dakota formation to the plan will be altered according to the attached 14. I hereby certify that the foregoing is true and	subject well.	The operations

OPERATIONS PLAN

Well Name: Lambe #2B

Location: 860'FSL, 670'FEL, Sec 20, T-31-N, R-10-W

San Juan County, NM

Latitude 36° 52.46, Longitude 107° 53.55

Formation: Blanco Mesaverde/Basin Dakota

Elevation: 6121'GL

Formation Tops: Surface	<u>Top</u> San Jose	Bottom 1263'	Contents
Ojo Alamo	1263'	1343'	aquifer
Kirtland	1343'	2223′	gas
Fruitland	2223'	2843'	gas
Pictured Cliffs	2843'	2943'	gas
Lewis	2943'	3553'	gas
Intermediate TD	3043'		•
Mesa Verde	3553 ′	3903 ′	gas
Chacra	3903 ′	4573 ′	gas
Massive Cliff House	4573'	4673'	gas
Menefee	4673'	5068'	qas
Massive Point Lookout	5068'	5458'	gas
Mancos	5458'	6383 ′	gas
Gallup	6383 ′	7082 '	gas
Greenhorn	7082'	7143'	gas
Graneros	7143'	7195'	gas
Dakota	7195'	7499 '	gas
Morrison	7499 ′		_
TD	7550′		

Logging Program:

Cased hole - CBL-CCL-GR - TD to surface

Open hole - DIL/GR, Density & Neutron Porosity, Bulk Density/ Correction, Microlog, Temp - TD to minimum operations depth

Mudlog - 6600' to TD

Cores - none

Mud Program:

a Prog	Lam:				
Inte	erval	Type	Weight		Fluid Loss
0 -	- 200'	Spud	8.4-9.0	40-50	no control
200-	- 3043 ′	LSND	8.4-9.0	30-60	no control
3043	- 7145'	Air/N2	n/a	n/a	n/a
7145	- 7550 ′	LSND	8.4-9.0	30-60	no control

Pit levels will be visually monitored to detect gain or loss of fluid control.

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

Hole Size	Depth Interval	Csg.Size	Wt.	Grade
12 1/4"	0' - 200'	9 5/8"	32.3#	H-40
8 3/4"	0' - 3043'	7"	20.0#	J-55
6 1/4"	2943' - 7550'	4 1/2"	10.5#	J-55

Tubing Program:

0' - 7550' 2 3/8" 4.7# J-55

BOP Specifications, Wellhead and Tests:

Surface to Intermediate TD -

11" 3000 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" 3000 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, 3000 psi minimum choke manifold (Reference Figure #3).

Completion Operations -

7 1/16" 3000 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 2 3/8" x 3000 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 drilling crew.
- All BOP tests and 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 - cement with 159 sx Class "B" cement with 1/4# celloflake/sx and 3% calcium chloride (188 cu.ft. of slurry, 200% excess to circulate to surface). WOC 8 hrs. 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 w/310 sx 50/50 Class G/TXI lightweight w/2.5% sodium metasilicate, 2% calcium chloride, 10# gilsonite/sx and 1/2# celloflake/sx. Tail w/90 sx 50/50 Class "G" Poz w/2% calcium chloride, 2% gel, 1/4 pps celloflake, 5 pps gilsonite, 0.1% antifoam agent (914 cu.ft. of slurry, 100% excess to circulate to surface.) WOC minimum of 8 hours before drilling out intermediate casing. If cement does not circulate to surface, a CBL will be run during completion operations to determine TOC. Test casing to 1500 psi for 30 minutes.

See attached alternative intermediate lead slurry.

7" intermediate casing alternative two stage: Stage collar at 2123'. First stage: cement with 216 sx 50/50 Class "G" Poz w/2% calcium chloride, 2% gel, 1/4 pps celloflake, 5 pps gilsonite, 0.1% antifoam agent. Second stage: 247 sx 50/50 Class G/TXI lightweight w/2.5% sodium metasilicate, 2% calcium chloride, 10# gilsonite/sx and 1/2# celloflake/sx (914 cu.ft., 100% excess to circulate to surface).

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 at 1343'. Two turbolating centralizers at the base of the Ojo Alamo at 1343'. 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 Cement to cover minimum of 100' of 4 1/2" x 7" overlap. Lead
 with 460 sx 50/50 Class "G" Poz with 5% gel, 0.25#
 celloflake/sx, 5# gilsonite/sx, 0.1% retardant and 0.25% fluid
 loss additive, 0.15% dispersant, 0.1% antifoam agent (662
 cu.ft.), 40% excess to cement 4 1/2" x 7" overlap). WOC a
 minimum of 18 hrs prior to completing.
- 4 1/2" production casing alternative: Lead w/184 sx 9.5 PPG Litecrete Blend w/0.11% dispersant, 0.5% fluid loss. Tail w/170 sx Class G 50/50 poz w/5% gel, 0.25 pps celloflake, 5 pps gilsonite, 0.25% fluid loss, 0.15% dispersant, 0.1% retarder, 0.1% antifoam (709 cu.ft., 50% excess to cement 4 ½" x 7" overlap).

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

Cement float shoe on bottom with float collar spaced on top of float shoe.

- Note: To facilitate higher hydraulic stimulation completion work, no liner hanger will be used. In its place, a long string of 4 1/2" casing will be run and cemented with a minimum of 100' of cement overlap between the 4 1/2" x 7" casing strings. After completion of the well, a 4 1/2" retrievable bridge plug will be set below the top of cement in the 4 1/2" x 7" overlap. The 4 1/2" casing will then be backed off above the top of cement in the 4 1/2" x 7" overlap and laid down. The 4 1/2" bridge plug will then be retrieved and the production tubing will be run to produce the well.
- 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 (Gas/Mist Drilling):

The following equipment will be operational while gas/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.
- Deduster equipment will be utilized.
- 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.