UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**



1a.	Type of Work	5. Lease Number
	DRILL	SF-080668
		Unit Reporting Number 891001054A
1b.	Type of Weli	6. If Indian, All. or Tribe
. ~.	GAS	
	\$12823 M	
2.	Operator	7. Unit Agreement Name
	RESOURCES Oil & Gas Company MAY 2004	San Juan 27-4 Unit
3.	Address & Phone No. of Operator	8. Farm or Lease Name
	PO Box 4289, Farmington, NM 87499	San Juan 27-4 Unit 9. Well Number
	(505) 326-9700	18D 70N
4.	Location of Well	10. Field, Pool, Wildcat
	1025' FNL, 2170' FWL	Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM)
	Latitude 36° 36.4, Longitude 107° 15.4	C Sec. 4, T-27-N, R-4-V API# 30-039- 26 78 7
14.	Distance in Miles from Nearest Town	12. County 13. State
	18 miles from Gobernador	Rio Arriba NM
15.	Distance from Proposed Location to Nearest Property or Lease Li	ne
16.	Acres in Lease	17. Acres Assigned to Well 319.20 W/2
18.	Distance from Proposed Location to Nearest Well, Drlg, Compl, or 1400'	Applied for on this Lease
19.	Proposed Depth	20. Rotary or Cable Tools
	6646′	Rotary
21.	Elevations (DF, FT, GR, Etc.) 7194' GR	22. Approx. Date Work will Start
23.	Proposed Casing and Cementing Program See Operations Plan attached	· · · · · · · · · · · · · · · · · · ·
24.	Authorized by: Regulatory/Compliance Supervisor	<u> </u>
		Date

Archaeological Report to be submitted

Threatened and Endangered Species Report to be submitted

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.

UNITED STATES

DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

			Sundry Noti	ces and Re	ports on				
					- 2002 SEP 20			5.	Lease Number NMSF-080668
1.	Type of GAS	Well			070 FISIA		I, NM	6.	If Indian, All. or Tribe Name
$\frac{1}{2}$	Name of	Operator	· · · · · · · · · · · · · · · · · · ·					7.	Unit Agreement Name
		LUXE	<u>r</u> gn						
			OIL	GAS COMPA	/NY			8.	San Juan 27-4 Unit Well Name & Number
3.			o. of Operat		5) 326-97	00		9.	
4.			Footage, Se L, Sec.4, T-						30-039- Field and Pool Blanco MV/Basin DK County and State Rio Arriba Co, NM
	x	Submission Notice of Subsequent Final Aban	Intent t Report	Recom	Type of onment pletion ing Back g Repair ing Casin	_x_	Change New Co Non-Ro Water	nstruct utine 1 Shut o	tion Fracturing
13		s intended Deepen Unit #1 as the diagram	or Plug Back 8B. Also the Mesaverde.	the well nak to the Sa e well will Attached is iagram. Aft	me for than Juan 2' l be compi s a new C	7-4 U leted -102 etion	nit #701 in the plat, an the wel	N from Dakota n Opera ll will	Permit to Drill, the San Juan 27-4 formation as well tions Plan, BOP be down hole bmitted.
							•		
14	. Phen	reby certi:	fy that the	foregoing	is true a	nd co	rrect.		
Si	gned	sage	C'ale	Title R	egulatory	Supe	rvisor	Date	e 8/6/02
ΑP	PROVED BY	for Feder Y OF APPROVAL	Mante	Office us		FM	D	ate _	5-24-84

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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 Appropriate District Office

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

Certificate Compression

AMENDED REPORT

				WEL	L LC	CATI	ON	AND AC	REAGE	DEDI	CAT]	ON PL	AT		·
30	'A 0-039-	PI Numbe		7 72	*Po	001 Code	?	Blan	co Mes	averde		Pool Name			
1	Property 7452				.5257		AN	*Property	Name		DASI	II Dako	La	*We1	1 Number
	'OGRID N	No		BUR	LING	TON	RE:	*Operator SOURCES		& GAS	COM	IPANY		ì	evation. 194
			·					iurface (
u	or lot no.	Section 4	27N	AW		ot Idn		eet from the 1025		outh line RTH		from the	1	ST	County RIO ARRIBA
				Botto				ation I		erent		m Surf		:	
	or lot no.	Section	Township	Rang		ot Idn		eet from the	North/S	South line	Feet	from the	East/W	est line	County
M	Notice ted Acres W-W/319 K-W/319	.2	¹³ Joint or 1	[nfill]34	Consolida	ntion Code		²⁵ Order No.							
			VILL BE OR	ASSIG A NON	NED STAN	TO TH	IS UN:	COMPLETION TO HAS BE	ON UNT	IL ALL PROVED	INTE BY T	RESTS I	HAVE B	EEN CON	NSOL IDATED
OCC	20 LOT	2170'		36 '36. 107 '15	970 4 N. 5.4 W.	Reis Dako	LO sue ta	T 2 ed to sho formation 181	w addi		1320.00' 1306.80'	Signate Peggy Printed Regula Title Date 18 SUR I hereby to was plotted or under it correct to	Cole of Name atory VEYOF certify that of from field to the best of the best o	Supervi CERT the well loc of ney belief.	IFICATI(ation shown on this tue) surveys made the same is true a
	2640 . (- 0840	Signature	and Sear	W HE	ANT ODS HOUSE

5274.06'

submitted in lieu of Form 3160-5 UNITED STATES DÉPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT Sundry Notices and Reports on Wells Lease Number NMSF-080668 2001 AUG 18 16.10: 12 Indian, All. or Type of Well Tribe Name GAS 070 Farmington, NM Agreement Name 2. Name of Operator BURLINGTON DURCES OIL & GAS COMPANY LP San Juan 27-4 Unit Well Name & Number 8. San Juan 27 - 4 U #70N 3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700 API Well No. 30-039-QU787 4. Location of Well, Footage, Sec., T, R, M 10. Field and Pool 1025'FNL, 2170'FWL, Sec.4, T-27-N, R-4-W, NMPM Blanco MV/Basin DK 11. County and State Rio Arriba Co, NM 12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA Type of Submission Type of Action _X_ Change of Plans Notice of Intent Abandonment ___ New Construction Recompletion ___ Non-Routine Fracturing Subsequent Report Plugging Back Casing Repair Water Shut off Conversion to Injection Final Abandonment Altering Casing ___ X Other -Describe Proposed or Completed Operations 13. Attached is a new operations plan and multi-point surface use plan for the subject well. certify that the foregoing is true and correct.

Title 10 D.E.C. Bertier 100), makes it a crime for any person knowingly and willfully to make any department or agency of the United Atales any folse. Fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

OPERATIONS PLAN

Well Name: San Juan 27-4 Unit #70N

1025'FNL, 2170'FWL, Section: 4, T-27-N, R-4-W

Rio Arriba County, New Mexico

Latitude 36° 36.4, Longitude 107° 15.4

Formation: Blanco Mesa Verde/Basin Dakota

Elevation: 7194'GL

Formation Tops:	Top	Bottom	Contents
Surface	San Jose	3481 ′	
Ojo Alamo	3481'	3676'	aquifer
Kirtland	3676'	3885'	gas
Fruitland	3885 ′	4121'	
Pictured Cliffs	4121'	4196'	gas
Lewis	4196′	4716 ′	gas
Intermediate TD	4296'		
Huerfanito Bentonite	4716'	5071 ′	gas
Chacra	5071′	5901'	gas
Cliff House	5901'	5956 '	
Menefee	5956 ′	6246 ′	gas
Point Lookout	6246'	6836 '	gas
Mancos	6836′	7456 ′	gas
Gallup	7456′	8236 ′	gas
Greenhorn	8236'	8301'	gas
Graneros	8301'	8356'	gas
Dakota	8356′	8546 ′	gas
Oak Canyon	8546 ′		
TD	8561′		

Logging Program:

Mud logs - none Cased hole - CBL-CCL-GR - TD to surface Open hole - none Cores - none

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 120'	Spud	8.4-9.0	40-50	no control
120- 4296'	LSND	8.4-9.0	30-60	no control
4296- 8561'	Air/N2	n/a	n/a	n/a

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' - 120'	9 5/8"	32.3#	WC-50
8 3/4"	0' - 4296'	7 "	20.0#	J- 55
6 1/4"	O' - 8561'	4 1/2"	10.5#	K-55

Tubing Program:

0' - 8561'

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 #2).

Completion Operations -

7 1/16" 2000 psi double gate BOP stack (Reference Figure #3). 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" \times 7" \times 4 1/2" \times 2 3/8" \times 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 27 sx Type III cement with 1/4# Celloflake/sx and 2% calcium chloride or equivalent slurry (38 cu.ft. of slurry). WOC 24 hours for pre-set holes or 8 hours for conventionally set holes before pressure testing or drilling out from under surface casing. Test casing to 600 psi for 30 minutes.

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

7" intermediate casing -Lead w/397 sx Premium Lite cement with 3% calcium chloride, 0.25 pps Flocele, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate. Tail w/90 sx Type III cmt w/1% calcium chloride, 0.25 pps Flocele, 0.2% fluid loss (970 cu.ft. of slurry, 50% excess to circulate to surface.) WOC minimum of 8 hours before drilling out intermediate casing. cement does not circulate to surface, a CBL or a temperature survey will be run during completion operations to determine TOC. casing to 1500 psi for 30 minutes.

7" intermediate casing alternative two stage: Stage collar 3585'. First stage: cement with w/116 sx Type III cmt w/1% calcium chloride, 0.25 pps Flocele, 0.2% fluid loss. Second stage: 379 sx Premium Lite cement with 3% calcium chloride, 0.25 pps Flocele, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate (970 cu.ft., 50% 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 3676'. Two turbolating centralizers at the base of the Ojo Alamo at 3676'. 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 294 ax 35/65 poz Type III cement w/0.25 pps Celloflake, 0.3% CD-32, 6.25 pps LCM-1, 1% fluid loss, 7 pps CSE, 6% gel (582 cu.ft.), (30% excess to cement 4 1/2" x 7" overlap. WOC a minimum of 18 hrs prior to completing.)

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

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

• 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.

Additional Information:

- The Mesaverde 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 2500 psi

- Sufficient LCM will be added to the mud system to maintain well control, if lost circulation is encountered.
- The west half of Section 4 is dedicated to the Mesaverde and the Dakota in this well.
- This gas is dedicated.

Drilling Engineer

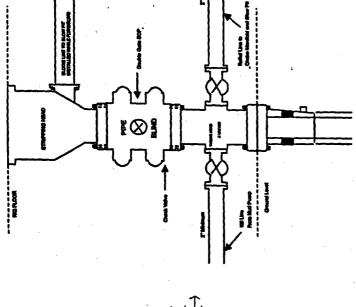
August 14, 2003

3000 psi System Orilling Rig

PRO FLOOR

BURLINGTON RESOURCES

Completion/Workover Rig BOP Configuration 3,000 psi System



sure double gate BOP to be equipped with blind and tpe rams. A stripping head to be installed on the top of pressure or greater excluding 600 psi stripping head. he BOP. All BOP equipment is 3000 psi working erations. 7-1/16" bore, 3000 psi minin Winimum BOP installation for all Compl Figure #3

Choke Manifold Configuration 3000 psi System

FF 01

Choke manifold installation from Surface Cesting Point to Total Depth. 3,000psl working pressure

Figure #1

equipment with two chokes.

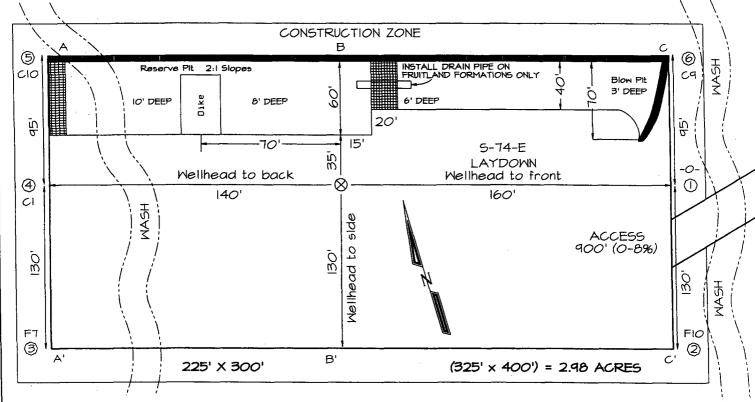
4-20-01

Figure #2

4-20-01

BURLINGTON RESOURCES OIL & GAS COMPANY SAN JUAN 27-4 UNIT #18B, 1025° FNL & 2170' FWL SECTION 4, T27N, R4W, NMPM, RIO ARRIBA COUNTY, NM GROUND ELEVATION: 7194' DATE: DECEMBER 5, 2000

LATITUDE: 36°36.4' LONGITUDE: 107°15.4



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'		 	 	
7204'		 	 	
7194'				
7184'			 	
В-В'			 	
7204'				
7194'		77	= ~ 0	~ ~ \
7184'		4	 	
C-C'			 	
7204'			 	
7194'				* &
7184'		 	 	

Note: Contractor should call One—Call for location of any marked or unmarked buried pipelines or cabl