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

a.	Type of Work	4567897	5. Lease Number	5220 2 52
	DRILL	A COMB	Unit Reporting N	umber
b.	Type of Well	APR 2000	6. If Indian, All, or	EIVED Fribe modernike
<b>.</b>	GAS	E OF THE	5167	INTO LUI, BM
•	Operator BURLINGTON	DIO DIO	7. Unit Agreement	Vame
	RESOURCES Oil & Gas	Company Special	San Juan 28-5	Unit
	Address & Phone No. of Operato		8. Farm or Lease Na	
	PO Box 4289, Farmingt	on, NM 87499	San Juan 9. Well Number	28-5
	(505) 326-9700		#68P	
	Location of Well		10. Field, Pool, Wile	icat
	Unit L (NWSW), 2620' FS	BL, 10' FWL	Blanco Mesaverd	e/ Basin Dakota
	Latitude 36° 37.0635'N		11. Sec., Twn, Rge, Sec. 33, T28N,	
	Longitude 107° 22.3755'	'W		
	•		API # 30-039- 2	9819
4.	Distance in Miles from Nearest 1	l own	12. County	13. State
	8 miles to Gobernador,	NM	Rio Arriba	NM
5.	Distance from Proposed Location	n to Nearest Property or Lease	Line	
6.	Acres in Lease		17. Acres Assigned W/2 321.19 DK:	
8.	Distance from Proposed Location 1200' - San Juan 28-5 Un		or Applied for on this Lea	IS <del>0</del>
19.	Proposed Depth		20. Rotary or Cable	Tool
	7777′		Rotary	
21.	Elevations (DF, FT, GR, Etc.) 6533'GL		22. Approx. Date \	Work will Start
23.	Proposed Casing and Cementing	Program		
	See Operations Plan a			
	<b>.</b>	1.5. 1.0	2-23	! - ∕^/
24.	Authorized by: <u>Hymory</u> Regulatory	Compliance Assistant		
	,			
ERM	IT NO.	APPROVAL	DATE	
APPRO	OVED BY BY MILLEON	(4) TITLE AE	DATE	414/06

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 mowingly 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 julishing OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED

\*GENERAL REQUIREMENTS\*.

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.3

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

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

Form C-102 Revised February 21, 1994 Instructions on back

District II
PO Drawer DD, Artesia, NM 88211-0719
OIL CONSERVATION DIVISION

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

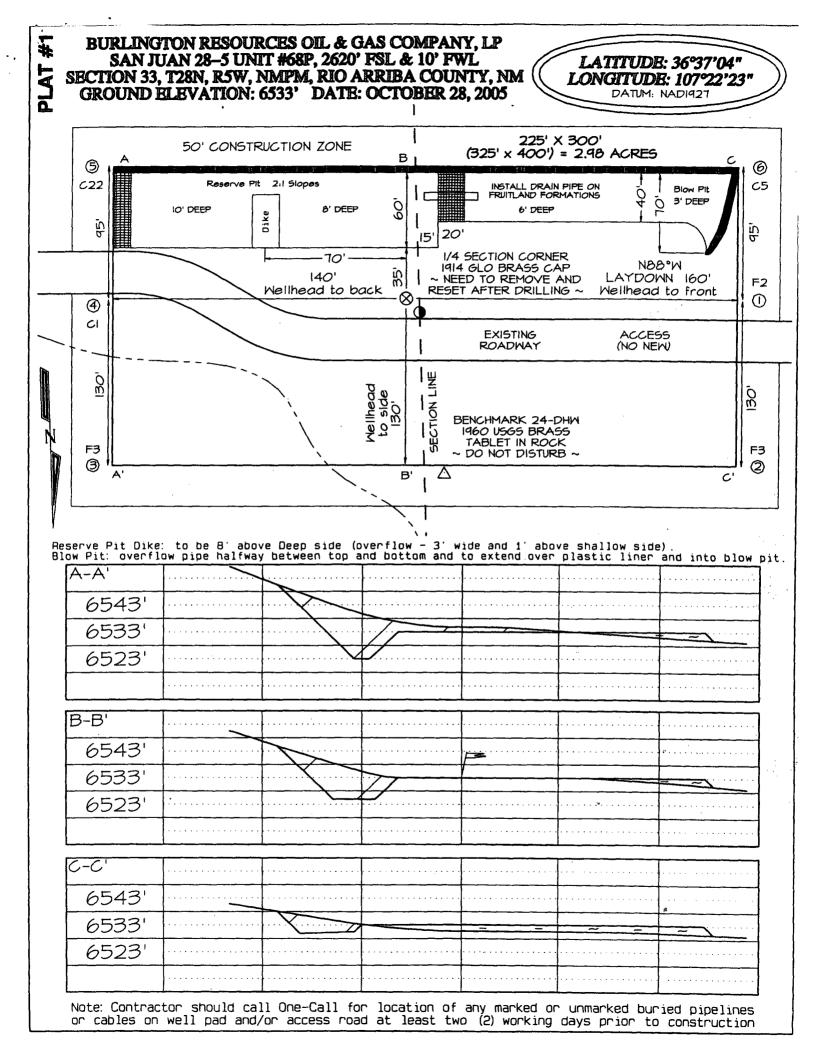
District III 1000 Rio Brazos Rd., Aztec, NM 87410 PO Box 2088 Santa Fe, NM 87504-2088

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District IV PO Box 2088. Santa Fe, NM 87504-2088 2006 FEB 23 PM AMENDED REPORT

	/		WELL	LOCAT	ION AND	Α	CREAGE DED	ICA	TION PL	TATO!!	NM.	
'API Number 'Pool Code			de				Pool Nam	e				
30-039- 04614 72319/715					Blanco Mesave	rde	/Basin D	akota				
*Property							Name 28-5 UNIT				. "We	11 Number
746									J	· I		68P /
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	State of New Mexico	Form C-103
Office District I	Energy, Minerals and Natural Resources	May 27, 2004
1625 N. French Dr., Hobbs, NM 88240 District II		WELL API NO. 30-039-29819
1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATION DIVISION	5. Indicate Type of Lease
<u>District III</u>	1220 South St. Francis Dr.	STATE FEE
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, NM 87505	6. State Oil & Gas Lease No.
District IV 1220 S. St. Francis Dr., Santa Fe, NM 87	505	NMSF-079522
	CES AND REPORTS ON WELLS	7. Lease Name or Unit Agreement Name
I'	S TO DRILL OR TO DEEPEN OR PLUG BACK TO A	
PROPOSALS.)	ION FOR PERMIT" (FORM C-101) FOR SUCH	San Juan 28-5 Unit
1. Type of Well:		8. Well Number
Oil Well Gas Well X	Other	68P
2. Name of Operator	OUDCES OIL & CAS COMBANY LD	9. OGRID Number 14538
3. Address of Operator	OURCES OIL & GAS COMPANY LP	10. Pool name or Wildcat
3401 E. 30TH ST	REET, FARMINGTON, NM 87402	Bianco Mesaverde/ Basin Dakota
4. Well Location	2620' feet from the South line and	10' feet from the West line
Unit Letter L : Section 33	2620' feet from the South line and Township 28N Rng 5W	
	. Elevation (Show whether DR, RKB, RT, GR, etc.)	
Pit or Below-grade Tank Application	6533'	
		>1000' Distance from nearest surface water
Pit type new drill Depth to Ground Pit Liner Thickness: n/2	water >100' Distance from nearest fresh water well  mil Below-Grade Tank: Volume	bbls: Construction Material
	Appropriate Box to Indicate Nature of Not	•
PERFORM REMEDIAL WORK	NTENTION TO:  PLUG AND ABANDON REMEDIA	SUBSEQUENT REPORT OF:  L WORK ALTERING CASING
TEMPORARILY ABANDON		CE DRILLING OPNS. P AND A
PULL OR ALTER CASING	4	CEMENT JOB
OTHER: New	Drill Pit X OTHER:	П
13. Describe proposed or comple	eted operations. (Clearly state all pertinent details, and a	give pertinent dates, including estimated date
	k). SEE RULE 1103. For Multiple Completions: Attack	ch wellbore diagram of proposed completion
or recompletion.		
Naw Drill Linkingd		
New Drill, Unlined:		
	construct a new drilling pit and an associated vent/flare	pit. Based on Burlington's interpretation of the
Burlington Resources proposes to e Ecosphere's risk ranking criteria, t	he new drilling pit and vent/flare pit will be an unlined	pit as detailed in Burlington's Revised Drilling /
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# OPERATIONS PLAN

Well Name:

SAN JUAN 28-5 UNIT 68P

Location:

2620' FSL & 10' FWL, Section Sec 33 T28N R05W

Rio Arriba County, New Mexico

Formation:

Blanco Mesaverde/Basin Dakota

Elevation: 6533' GL

Formation Tops:	Top	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	2715'	
Ojo Alamo	2715'	2855 '	aquifer
Kirtland	2855'	3180'	gas
Fruitland Coal	3180'	3370'	gas
Pictured Cliffs	3370'	3485'	gas
Lewis	3485 '	3933 '	
Huerfanito Bentonite	3933'		
Chacra	4315'	5127'	gas
Massive Cliff House	5127'	5193'	gas
Menefee	5193'	5530'	gas
Massive Point Lookout	5530'	6035'	gas
Mancos Shale	6035'	6700'	
Upper Gallup	6700'	7444 '	gas
Greenhorn	7444'	7512'	gas
Graneros	י 7512	75471	gas
Two Wells	7547'	7647'	gas
Upper Cubero	7647'	7692 '	gas
Lower Cubero	7692'	7762 '	gas
Oak Canyon	7762'	7777'	gas
Total Depth:	7777'		gas

## Logging Program:

Mud Logs/Coring/DST

Mud logs - none

Coring - none

DST - none

Open hole - none

Cased hole - Gamma Ray, CBL - surface to TD

## Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight Vis.</u>	Fluid Loss
0 - 120'	Spud MUD/Air/Air Mist	8.4 - 9.0 40 - 50	no control
120- 3585'	LSND	8.4 - 9.0 30 - 60	no control
3585 - 7777 <b>'</b>	Air/Air Mist/Nitrogen	n/a n/a	n/a

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

<u> Hole Size</u>	<u>Depth Interval</u>	<u>Csg.Size</u>	<u>Wt.</u>	<u> Grade</u>
12 1/4"	0' - 120'	9 5/8"	32.3#	H-40
8 3/4"	0' - 3585'	7"	20/23#	J-55
6 1/4"	0' - 7777'	4 1/2"	10.5#	J-55

### Tubing Program:

Depth Interval	<u>Csg.Size</u>	<u>Wt.</u>	<u>Grade</u>
0' - 7777'	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 ½" 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 318 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 (124 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.

#### 7" intermediate casing alternative two stage -

Stage collar set 300' above the top of the Fruitland. First stage: Lead w/16 sacks Premium Lite cement with 3% calcium chloride, .25 pps celloflake, 5 pps LCM-1, 0.4% fluid loss. Tail w/90 sxs Type III cmt w/1% calcium chloride, 0.25 pps Celloflake, 0.2% fluid loss. Second stage: 302 sacks Premium Lite cement with 3% calcium chloride, .25 pps celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate (643 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 @ 2855'. Two turbolating centralizers at the base of the Ojo Alamo @ 2855'. 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 274 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 (543 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 west half of Section 33 is dedicated to the Dakota formation and the south half is dedicated to the Mesaverde formation.
- This gas is dedicated.



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

Figure #3

10-02-4