UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL DEPEN, OR PLUG BACK Type of Work 1a. 5. Lease Number RECEIVED DRILL NMSF-078424 BUM **Unit Reporting Number** 210 FARMHIGTON NM 1b. Type of Well 6. If Indian, All. or Tribe GAS 2. Operator 7. Unit Agreement Name Burlington RESOURCES Oil & Gas Company, LP San Juan 29-7 Unit 3. Address & Phone No. of Operator 8. Farm or Lease Name PO Box 4289, Farmington, NM 87499 9. Well Number (505) 326-9700 #586 Location of Well 10. Field, Pool, Wildcat Unit H (SENE), 1425' FNL & 545' FEL, Basin FC/Blanco PC 11. Sec., Twn, Rge, Mer. (NMPM) Latitude 36° 42.0077 N Ц Sec. 27, T29N, R7W Longitude 107° 33.0330 W API # 30-039- 30194 Distance in Miles from Nearest Town 14. 12. County 13. State 20.5 miles/Blanco Rio Arriba NM 15. Distance from Proposed Location to Nearest Property or Lease Line 545 16. Acres in Lease 17. Acres Assigned to Well FC/PC - 320 - (E/2)18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 19. **Proposed Depth** 20. Rotary or Cable Tools 3373' Rotary 21. Elevations (DF, FT, GR, Etc.) 22. Approx. Date Work will Start 6368' GL RCVD A1162'07 23. **Proposed Casing and Cementing Program** OIL CORS. DTV. See Operations Plan attached DIST. 3 24. Authorized by Rhonda Rogers (Regulatory Technician) PERMIT NO. APPROVED BY Archaeological Report attached NOTIFY AZTEC OCD 24 HRS. Threatened and Endangered Species Report attached NOTE: This format is issued in lieu of U.S. BLM Form 3160-3 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 knowing wand willfull to Grake San General Total and the formation of the company of the comp United States any false, fictitious or fraudulent statements or presentations as to any matter within its jurisdiction

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

MOCD SIMPLE STATE OF BIOLOPE

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

DISTRICT | 1625 N. French Dr., Hobbs, N.M. 8 3240

DISTRICT II 1301 W. Grand Ave., Artesia, N.M. 18210

1000 Rio Brazos Rd., Aztec, N.M. E7410

DISTRICT IV

State of New Mexico Energy. Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PM 3: Submit to Appropriate District Office 1220 South St. Francis Dr. Santa Fe. NM 87505 RECEIVED

Form C-10: Revised June 10, 200:

Fee Lease - 3 Copies

1220 South St. Francis Dr., Santa Fe, NM 87505

NSZ210 FARHEIGTON NM

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

	API Number	*Pool Code	t dot Mille		
	30-039 ~ 30194	71629/72359	Basin Fruitland Coal/Blanco	Pictured Cliff	
1	Property Code	4 Pro	*Property Name SAN JUAN 29-7 UNIT		
ı	7465	SAN JUA			
1	OGRED No.	*Оре	BURLINGTON RESOURCES OIL & GAS COMPANY LP		
Į	14538	BURLINGTON RESOURCE			

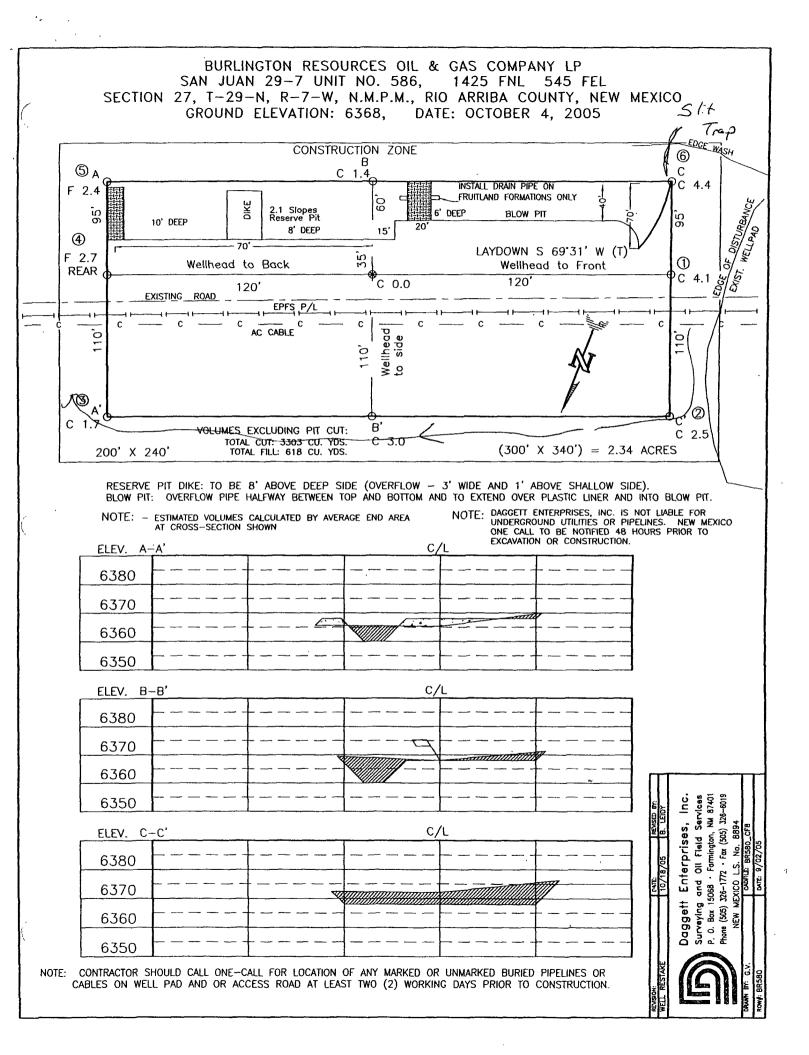
10 Surface Location

- 1				, wante	- TOOL 1447	Lear WANT FRE	MOLEN'SOURE TOW	sear itom me	ROUG AGM INDO	County
Ł	Н	27	29 -N	7-W		1425	NORTH	545	EAST	RIO ARRIBA
_	¹¹ Bottom i				om Hole	Location I	Different Fro	m Surface		
	UL or lot no.	Section	Town ship	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	Dedicated Acre			" Joint or	infill	14 Consolidation C	ode	[#] Order No.		
	320 F	e 16	o pe							

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

16	FD. 2 1/2" SC 1913 C.L.O.	5 89-57-52 W 2643.04' (M) FD. 2 NMSF-078424 (FRT/PC)	2 1/2" BC 27 1913 G.L.O. 2027	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is tree and complete to the best of my knowledge and betief. Signature
	LAT. 36'42.00 .ONG. 107'33.03	77' N. (NAD 27)	545'	Rhonda Rogers Printed Name Regulatory Technician Title 12/8/06 Date
			078945 (2) 5879225 (2) 5879225 (2) 5879225	18 SURVEYOR CERTIFICATION I hereby certify that the well location shows 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. OCTOBER 2055 RUC
			Lopez, J. I. et ux (FRT/PC) CALC'D. BY DBL PROP.	Sensitive and Sea metroscondular divoyor 8894 1 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5

Submit 3 Copies To Appropriate District Office	State of New Mexico	Form C-103
District I	Energy, Minerals and Natural Resources	May 27, 2004
1625 N. French Dr., Hobbs, NM 88240 District II		WELL API NO. 30-039- 20194
1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATION DIVISION	5. Indicate Type of Lease
District III	1220 South St. Francis Dr.	STATE FEE
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, NM 87505	6. State Oil & Gas Lease No.
<u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505		NMSF-078945
	S AND REPORTS ON WELLS	7. Lease Name or Unit Agreement Name
(DO NOT USE THIS FORM FOR PROPOSALS TO		
DIFFERENT RESERVOIR. USE "APPLICATION PROPOSALS.)	FOR PERMIT" (FORM C-101) FOR SUCH	San Juan 29-7 Unit
1. Type of Well:		8. Well Number
<u> </u>	Other	#586
2. Name of Operator	RCES OIL & GAS COMPANY LP	9. OGRID Number
3. Address of Operator	RCES OIL & GAS COMPANT LP	10. Pool name or Wildcat
3401 E. 30TH STRE	ET, FARMINGTON, NM 87402	Blanco PC/Basin FC
4. Well Location Unit Letter H : 142	25' feet from the North line and	545' feet from the East line
Section 15	Township 29N Rng 7W	
and the second s	evation (Show whether DR, RKB, RT, GR, etc.)	
Pit or Below-grade Tank Application	or Closure 6368	
		10001 Pinton of from 1 1000
	er Distance from nearest fresh water well mil Below-Grade Tank: Volume	>1000' Distance from nearest surface water <200 bbls; Construction Material
·	opropriate Box to Indicate Nature of No	•
NOTICE OF INT	PLUG AND ABANDON REMEDIA	SUBSEQUENT REPORT OF:
		ICE DRILLING OPNS. P AND A
PULL OR ALTER CASING	MULTIPLE COMPL CASING/	CEMENT JOB
TOLL ON ALTEN OASING		<u></u>
	rill X OTHER:	
OTHER: New D	operations. (Clearly state all pertinent details, and	give pertinent dates, including estimated date
OTHER: New D 13. Describe proposed or completed of starting any proposed work).		
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OPERATIONS PLAN

<u>Well Name:</u>

SAN JUAN 29-7 UNIT 586

Location:

1425' FNL & 545' FEL

Rio Arriba County, New Mexico

Formation:

Basin Fruitland Coal/Blanco Pictured Cliff

Elevation:

63681

Formation Tops:	Top	<u>Bottom</u>	<u>Contents</u>	
Surface	San Jose	2285	,	
Ojo Alamo	2285'	2382'	aquifer	
Kirtland	2382'	2940'	gas	
Fruitland Coal	2940'	3173'	gas	
Pictured Cliffs	3173'	3373 '	gas	
Total Depth:	3373'		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>	Type	<u>Weight Vis.</u>	<u>Fluid Loss</u>
0 - 120'	Spud MUD/Air/Air Mist	8.4 - 9.0 40 - 50	no control
120- 3373'	LSND	8.4 - 9.0 30 - 60	no control

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

<u> Hole Size</u>	Depth Interval	<u>Csg.Size</u>	<u>Wt.</u>	<u>Grade</u>
8-3/4"	0' - 120'	7"	20#	J-55
6-1/4"	0' - 3373'	4-1/2"	10.5#	J-55

Tubing Program:

Depth Interval	<u>Csg.Size</u>	<u>Wt.</u>	<u>Grade</u>
0' - 3373'	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

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 -

7" x 4 $\frac{1}{2}$ " x 2 $\frac{3}{8}$ " 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:

7 11

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 42 sx Type III cement with 0.25 pps Celloflake, 2% CaCl. (54 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.

4-1/2" Production casing -

Lead with 185 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.

4-1/2" production casing alternative two stage -

Stage collar set 300' above the top of the Fruitland. First stage: w/90 sxs Type III cmt w/1% calcium chloride, 0.25 pps Celloflake, 0.2% fluid loss. Second stage: 185 sacks Premium Lite cement with 3% calcium chloride, .25 pps celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate (395 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 @ 2382'. Two turbolating centralizers at the base of the Ojo Alamo @ 2382'. Bowspring centralizers spaced every fourth joint from the base of the Ojo Alamo to the base of the surface casing.

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.

Additional Information:

- No abnormal temperatures or hazards are anticipated.
- Anticipated pore pressures are as follows:

Fruitland Coal

300 psi

Pictured Cliffs

600 psi

This gas is dedicated.

Drilling Engineer

Date

BURLINGTON RESOURCES

BURLINGTON RESOURCES

Completten/Workover Rig BOP Configuration 2,000 pel System

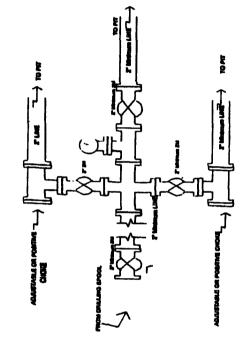
Burilington Resources

2000 psi System

MO FLOOR

Drilling Rig

Drilling Rig Choire Manifold Configuration 2000 pei System



TO ALE DO TO

T PRILAD LINE

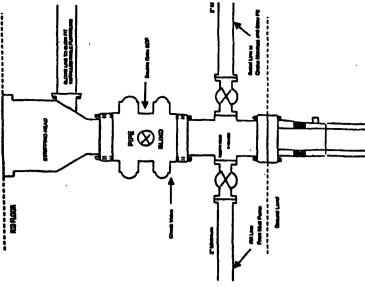
ROTATION HEAD.

Point to Total Depth. 2,000pal working preserve equipment with two chokes.

Figure #3

4-20-01

Figure #1



pressure double gate BOP to be equipped with blind and Ape rame. A shipping head to be installed on the top of Minimum BOP installation for all Completion-Workovst Operations. 7-1/16" bore, 2000 pel minimum working pressure or greater excluding 600 pst sutuping head. the BOP. All BOP equipment is 2000 pel working