UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

	APPLICATION FOR PERMIT TO DRILL	, DEEPEN, OR PLUG BACK
1a.	Type of Work DEEPEN RECEIVED 12526	5. Lease Number NMSF-078423 Unit Reporting Number
1b.	Type of Well GAS 070 F	6. If Indian, All. or Tribe
2.	Operator BURLINGTON	7. Unit Agreement Name
	RESOURCES Oil & Gas Company	San Juan 29-7 Unit
3.	Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499	8. Farm or Lease Name
	(505) 326-9700	9. Well Number 550S
4.	Location of Well Unit I (NESE), 2332' FSL, 1109' FEL	10. Field, Pool, Wildcat Basin DK
5	Latitude 36° 44.36'N Longitude 107° 32.07'W	11. Sec., Twn, Rge, Mer. (NMPM) Sec. 11, T29N, R7W
	Distance in Miles from Nearest Town	API # 30-039-29202
14.	22 miles from Blanco	12. County 13. State Rio Arriba NM
15.	Distance from Proposed Location to Nearest Property o	r Lease Line
16.	Acres in Lease	17. Acres Assigned to Well DK - 320 E/2
18.	Distance from Proposed Location to Nearest Well, Drlg, 1167'	Compl, or Applied for on this Lease
19.	Proposed Depth 7671'	20. Rotary or Cable Tools Rotary
21.	Elevations (DF, FT, GR, Etc.)	22. Approx. Date Work will Start
23.	Proposed Casing and Cementing Program See Operations Plan attached	CONDITIONS OF APPROVAL Adhere to previously issued stipulations.
24.	Authorized by: Talky Clush Sr. Regulatory Specialist	7/14/05 Date
	OVED BY TITLE APPR	POVAL DATE The Head Muneral DATE 7/19/0

Archaeological Report attached
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 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

DISTRICT III 1000 Rio Brazos Rd., Astec, N.M. 87410 OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe. NM 87505 Submit to Appropriate District Office
State Lease — 4 Copies
Fee Lease — 3 Copies

☐ AMENDED REPORT

DISTRICT IV
South Pacheco, Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

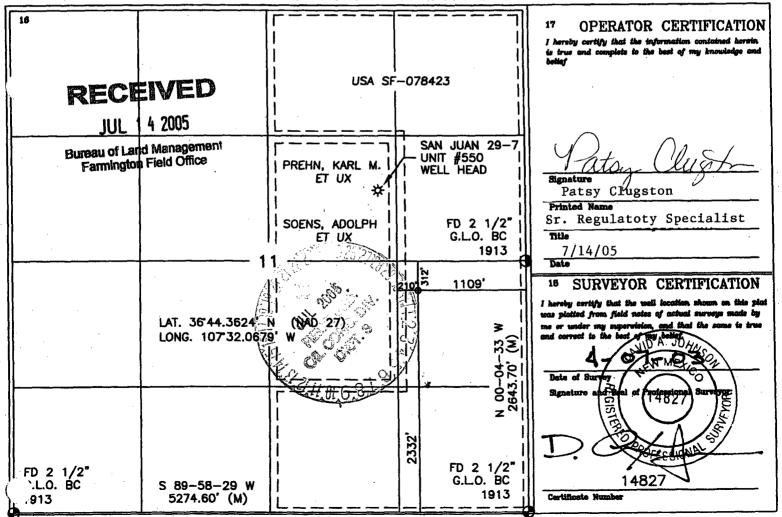
'API Number	Pool Code	Pool Name				
30-039- 29202	71599	Basin Dakota				
*Property Code	° Pro	perty Name	* Well Number			
7465	SAN JUAN 29-7 UNIT 550S					
OGRID No.	a Op-	erator Name	Elevation			
14538	BURLINGTON RESC	OURCES OIL & GAS, INC.	6329'			

¹⁰ Surface Location

UL or lot no.	Section 11	Township 29—N	Range 7-W	Lot Idn	Peet from the 2332'	North/South line SOUTH	Feet from the 1109	East/West line EAST	RIO ARRIBA
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	Bast/West line	County

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
18 Dedicated Acres			18 Joint or	infili	¹⁴ Consolidation C	ode	¹⁵ Order No.	· · · · · · · · · · · · · · · · · · ·	
DK 320 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



OPERATIONS PLAN FOR SAN JUAN 29-7 UNIT #550S

Well: San Juan 29-7 Unit #550S

Location: T-29-N,

T-29-N, R-7-W, Sect. 11, Unit I; 2332' FSL, 1109' FEL

Rio Arriba County, NM

Latitude '36 degrees, 44.36 minutes Longitude '107 degrees, 32.06 minutes

Formation: Basin Dakota

Formation Tops:	<u>Top</u>	Bottom	Contents
Surface	San Jose		
Ojo Alamo	2322'	2406'	aquifer
Kirtland	2406'	2952'	gas
Fruitland	2952'	3196'	gas
Pictured Cliffs	3196'	3400'	gas
Lewis	3400'	3886'	gas
Huerfanito Bentonite	3886'	4141'	gas
Chacra	4141'	4916'	gas
Massive Cliff House	4916'	5026'	gas
Menefee	5026'	5353'	gas
Massive Point Lookout	5353'	5776'	gas
Mancos	5776'	6614'	gas
Gallup	6614'	7353'	gas
Greenhorn	7353'	7410'	gas
Graneros	7410'	7460'	gas
Two Wells	7460'	7549'	gas
Cubero	7549'	7577'	gas
Lower Cubero	7577'	7671'	gas
Encinal`	7671'		gas
Total Depth	7671'		

Logging program:

Cased hole - CBL-GR

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	Fluid Loss
2898' – 7671'	Air Mist/Mud	8.0-9.0	33-35	6-8 cc/30 min

Casing Program:

<u>Hole Size</u>	Depth Interval	<u>Csg.Size</u>	<u>Wt.</u>	<u>Grade</u>
6-1/4"	Surface ~ 7671'	4-1/2"	10.5#/11.6#	J-55
Tubing Prog	gram:	Tbg.Size	Wt.	Grade
0' - total de	epth	2-3/8"	4.7#	J-55

Operations:

It is intended to deepen the subject well to the Dakota formation by the following procedure:

- MIRU
- 2. Set retrievable bridge plug at +/- 2700'.
- 3. Pressure test casing to 1000 psi for 15 minutes. TOOH with bridge plug.
- 4. Drill Dakota formation to approximately 7671' with mud logger to call final total depth. TOOH.
- 5. TIH with 4-1/2" production casing and set at total depth.
- 6. Cement with 330 sxs Prem Lite HS FM + 0.25pps Cello-Flake, 0.3% CD-32, 6.25pps LCM-1, 1% FL-52 cement (1.98 yield, 12.5 ppg, 30% excess).
- 7. Stimulate the Dakota formation.

Operations Plan - San Juan 29-7 Unit #550S

Page Two

- 8. Flowback and clean out to PBTD.
- 9. Land 2-3/8" IJ tubing.
- 10. RDMO rig. First deliver well as a deliver well as a

BOP Specifications, Wellhead and Tests:

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 #4). 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 1/2" x 2 1/16" x 2000 psi tree assembly.

General Information:

- 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.
- All BOP tests and drills will be recorded in daily drilling reports.
- Blind and pipe rams will be equipped with hand wheels.

Cementing:

4-1/2" Production Liner

Cement to cover minimum of 100' above the bottom of the 7" casing. Minimum TOC @ 2798'. Cement with 330 sxs Prem Lite HS FM + 0.25pps Cello-Flake, 0.3% CD-32, 6.25pps LCM-1, 1% FL-52 cement (1.98 yield, 12.5 ppg, 30% excess). WOC a minimum of 18 hrs prior to completing.

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.
- 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 Dakota formation will be completed.
- No abnormal temperatures or hazards are anticipated.
- · Anticipated pore pressures are as follows:

Fruitland Coal Pictured Cliffs

400 psi

Mesa Verde

850 psi

Delegan

650 psi

Dakota

2000 psi

 Sufficient LCM will be added to the mud system to maintain well control, if lost circulation is encountered.

Jay Paul McWilliams

<u>7/14/05</u>

Drilling Engineer

BURLINGTON RESOURCES

BURLINGTON RESOURCES

Completion/Workover Rig BOP Configuration 2,000 psi System

Burlington Resources

2000 psi System Oriting Rig

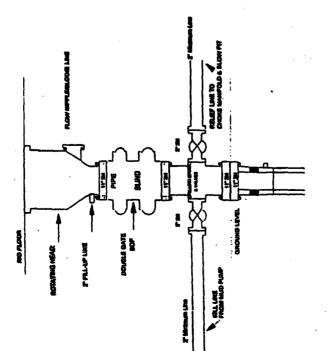
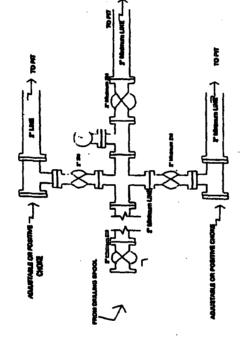


Figure #1

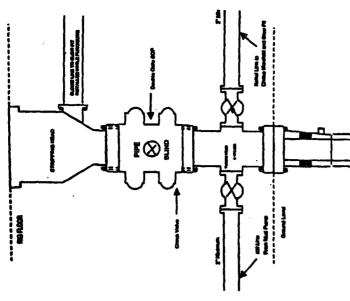
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Choke Manifold Configuration 2000 pei System



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

Figure #3



seurs double gate BOP to be equipped with blind and upe rame. A shipping head to be installed on the top of Operations. 7-1/16" bore, 2000 pal minimum working pressure or greater excluding 500 pel stripping head. Minimum BOP Installation for all Compitation-Worker the BOP. All BOP equipment is 2000 pel working Figure #2

4-20-01