UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

	APPLICATION FOR PERMIT TO DRILL, DE	EEPEN, OR PLUG BACK
1a.	Type of Work DRILL	5. Lease Number 12 14 1:2) SE-080711 Unit Reporting Number
lb.	Type of Well GAS	6. If Indian, All. or Tribe
2.	Operator	7. Unit Agreement Name
	RESOURCES Oil & Gas Company	San Juan 30-6 Unit
3.	Address & Phone No. of Operator	8. Farm or Lease Name San Juan 30-6 Unit
	PO Box 4289, Farmington, NM 87499 C	San Juan 30-6 Unit 9. Well Number
	(505) 326-9700	139
4.	Location of Well	16. Field, Pool, Wildcat
	1435' FNL, 1795' FWL	Basin Dakota
	Latitude 36° 48.1, Longitude 107° 30.5	Sec. 19, T-30-N, R-6-W API# 30-039-
4.	Distance in Miles from Nearest Town	12. County 13. State
	5 miles from Navajo City	Rio Arriba NM
15.	Distance from Proposed Location to Nearest Property or Le	ase Line
16.	Acres in Lease	17. Acres Assigned to Well 320 W/2
18.	Distance from Proposed Location to Nearest Well, Drlg, Cor	npl, or Applied for on this Lease
19.	75' This action is subject to technical and Proposed Dephocedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.	20. Rotary or Cable Tools Rotary
21.	Elevations (DF, FT, GR, Etc.)	22. Approx. Date Work will Start
	6611' GR	DRILLING OPERAZIONS AUTHORIZED ARE
23.	Proposed Casing and Cementing Program See Operations Plan attached	"GENERAL REQUIREMENTS"
24.	Authorized by: Regulatory/Compliance Supervisor	3-6-00 Date
		pod new pod ne
PERM		DATE <u> </u>

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

buildly Notlock and N	Reports on Wells
Type of Well GAS	5. Lease Number SF-080711 If Indian, All. or Tribe Name AUG 2000 Thit Agreement Name
Name of Operator	RECEIVED TO STREET NAME
BURLINGTON RESOURCES OIL & GAS COM	PANY San Juan 30-6 Unit Well Name & Number
Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (5	San Juan 30-6 U #13 505) 326-9700 9. API Well No. 30-039-76534
Location of Well, Footage, Sec., T, R, 1435'FNL, 1795'FWL, Sec.19, T-30-N, R-	, M 10. Field and Pool
. CHECK APPROPRIATE BOX TO INDICATE NAT	
Reco	Type of Action ndonment _X_ Change of Plans ompletion New Construction
Casi	gging Back Non-Routine Fracturing ing Repair Water Shut off ering Casing Conversion to Injection
Casi Final Abandonment X Othe	ing Repair Water Shut off ering Casing Conversion to Injection er -
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Final Abandonment Final Abandonment X Other Casi X Other It is intended to change the cement casing in the subject well 7" intermediate casing - Lead w/363 10 pps Gilsonite, 0.5 pps F	ing Repair Water Shut off ering Casing Conversion to Injection er - rations t slurries for the intermediate and production
Final Abandonment The state of the subject well The state of the state of the subject well The state of the state	ing Repair Water Shut off ering Casing Conversion to Injection er - rations t slurries for the intermediate and production as follows: 3 sx Class "B" cement w/3% sodium metasilicate, Clocele. Tail with 95 sx Class "B" 50/50 poz
Final Abandonment Final Abandonment X Other B. Describe Proposed or Completed Oper It is intended to change the cement casing in the subject well 7" intermediate casing - Lead w/363 10 pps Gilsonite, 0.5 pps F w/2% gel, 2% calcium chlori 7" intermediate casing alternative cement w/167 sx Class "B" 5 Flocele, 5 pps Gilsonite. S metasilicate, 10 pps Gilson 4 ½" production liner: Lead w/446 se	ing Repair Water Shut off ering Casing Conversion to Injection er - rations t slurries for the intermediate and production as follows: 3 sx Class "B" cement w/3% sodium metasilicate, clocele. Tail with 95 sx Class "B" 50/50 poz de, 0.25 pps Flocele, 5 pps Gilsonite (1173 cu.ft two stage: Stage collar at 3202'. First stage: 60/50 poz w/2% gel, 2% calcium chloride, 0.25 pps decond stage: 332 sx Class "B" cement w/3% sodium
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O:strict 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

Revised February 21, 1994 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088 FM 1: 20

Fee Lease - 3 Copies

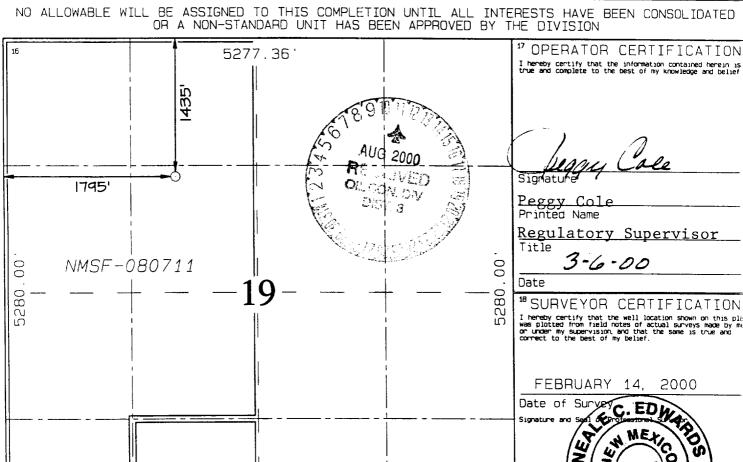
Form C-102

AMENDED REPORT

Certificate

WELL LOCATION AND ACREAGE DEDICATION PLAT

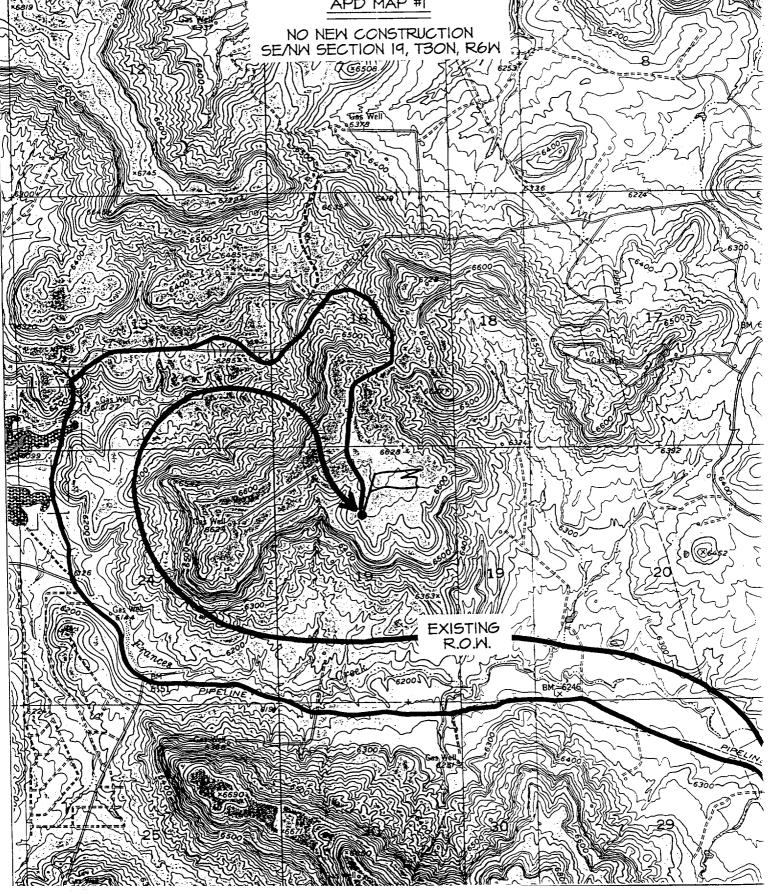
'API Number			'Pool Cod	e	'Pool Name					
30-039	-,26	569	7159	99	Bas	in Dakota				
¹Property Code				³Property Name				e M	⁵Well Number	
7469	7469 SAN JUAN 30-6 UNIT						139			
'OGRID No.				*Operator Name				,	*Elevation	
14538 BURLINGTON RESOURCES OIL & GAS COMPANY						6611				
					^o Surface	Location				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
F	19	30N	БW		1435	NORTH	1795	WEST	RIO ARRIBA	
		11 [Bottom	Hole L	ocation I	f Different	From Surf	ace		
UL or lat no.	Sect ion	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
12 Dedicated Acres		¹³ Joint or In	fill ¹⁴ Cons	solidation Code	¹⁵ Order No.			A		
W/320										



FEE

5280.00'

BURLINGTON RESOURCES OIL & GAS COMPANY SAN JUAN 30-6 UNIT #139 1435' FNL & 1795' FWL, SECTION 19, T30N, R6W, N.M.P.M. RIO ARRIBA COUNTY, NEW MEXICO APD MAP #I NO NEW CONSTRUCTION SEAN SECTION 19, TOON, ROW



OPERATIONS PLAN

Well Name: San Juan 30-6 Unit #139

Location: 1435'FNL,1795'FWL, Sec 19, T-30-N, R-6-W

Rio Arriba County, NM

Latitude 36^o 48.1, Longitude 107^o 30.5

Formation: Basin Dakota Elevation: 6611' GL

Formation Tops:	Top	Bottom	<u>Contents</u>
Surface	San Jose	2580'	
Ojo Alamo	2580'	2738′	aquifer
Kirtland	2738′	3302'	gas
Fruitland	3302'	3585'	gas
Pictured Cliffs	3585'	3802'	gas
Lewis	3802'	4220'	gas
Intermediate TD	3902'		
Mesa Verde	4220'	4283'	gas
Chacra	4283'	5112'	gas
Massive Cliff House	5112'	5431'	gas
Menefee	5431'	5826′	gas
Massive Point Lookout	5826'	6109'	gas
Mancos	6109′	6803′	gas
Gallup	6803′	7739′	gas
Greenhorn	7739'	7793'	gas
Graneros	7793'	7874'	gas
Dakota	78 74′		gas
TD	8180'		

Logging Program:

Cased hole - CBL-CCL-GR - TD to surface
Open hole - IEL-GR, CNL-CDL, CMR - TD to intermediate casing
Cores - none

Mud Program:

Interval	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	Fluid Loss
0- 200'	Spud	8.4-9.0	40-50	no control
200- 3902	' LSND	8.4-9.0	30-60	no control
3902- 8180	' Gas	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):

<u> Hole Size</u>	Depth Inte	<u>erval</u>	<u>Csq.Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0'-	200'	9 5/8"	32.3#	WC-50
8 3/4"	0'-	3902'	7"	20.0#	J-55
6 1/4"	3802' -	8180'	4 1/2"	10.5#	K-55

Tubing Program:

0' - 8180' 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 #2).

Completion Operations -

7 1/16" 3000 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" 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# flocele/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/351 sx Class "B" w/6% gel, 2% calcium chloride, 5# gilsonite/sx and 1/4# flocele/sx. Tail w/70 sx Class "B" w/2% sodium metasilicate, 1/4# flocele/sx, 5# gilsonite/sx, (1173 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.

7" intermediate casing alternative two stage: Stage collar at 3202'. First stage: cement with w/123 sx Class "B" w/2% sodium metasilicate, 2% calcium chloride, 5# gilsonite/sx, 1/4# Flocele. Second stage: 321 sx Class "B" with 6% gel, 2% calcium chloride, 5# gilsonite/sx, 1/4 pps Cellophane (1173 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 2738'. Two turbolating centralizers at the base of the Ojo Alamo at 2738'. Bowspring centralizers spaced every fourth joint from the base of the Ojo Alamo to the base of the surface casing.

4 1/2" Production Liner -

Cement to cover minimum of 100' of 4 1/2" x 7" overlap. Lead with 391 sx 50/50 Class "B" Poz with 2.75% gel, 0.25# flocele/sx, 5# gilsonite/sx, and 0.2% fluid loss additive (629 cu.ft.), 40% 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 shoe joint.

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 $1/2" \times 7"$ 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.

Additional Information:

- The Dakota formation will be completed.
- 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 19 is dedicated to the Dakota in this well.
- This gas is dedicated

4/12/00 Dri/lling Engine/17