UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

a.	705 SEP 28 PM 1 3	5. Lease Number	
a.	BDTT I	NMSF-07949	3,42
	RECEIVED		
	O70 FARMINGTON N	Unit Reporting Nur NM NM - 78	Bei WA
L		6. If Indian, All. or Tri	"- DK
b.	Type of Well	6. If indian, All. of Tri	pe
	GAS		
	Operator	7. Unit Agreement Na	ime
	BURLINGTON	•	
	RESCURCES Oil & Gas Company	San Juan 27-5 U	ni t
	- Charles and Charles and Company	Jan	
	Address & Phone No. of Operator	8. Farm or Lease Nan	ne
	PO Box 4289, Farmington, NM 87499	San Juan	
	ro box 4205, rainington, ner 67455		- 1 - 5
		9. Well Number	
	(505) 326-9700	#105P	
	Location of Wall	40 Firth Br. 1 Mart	
	Location of Well	10. Field, Pool, Wildo	
	Unit M (SWSW), 195' FSL, 630' FWL	Blanco Mesaverde	/ Basin Dakot
		44 Con Tum Due 14	(AISADEA)
	Latitude 36° 34.8782'N	11. Sec., Twn, Rge, M	er. (NMPM) Serr
		M Sec. 11, T27N, 1	K5W
	Longitude 107° 20.0362'W		226
		API# 30-039-2 94	9/3
	Distance in Miles from Newast Town	40.0	42 04-4-
4.	Distance in Miles from Nearest Town	12. County	13. State
	14 miles to Gobernador, NM	Rio Arriba	MM
	Distance from Dranged Location to Name to Drangets and age	* Iu-	
5.	Distance from Proposed Location to Nearest Property or Lease 195'	Line	
6.	Acres in Lease	17. Acres Assigned to	o Wall
J .	Acres in Lease		
		320 32 DR 32	20 W2 MV
8.	Distance from Proposed Location to Nearest Well, Drlg, Compl,	or Applied for on this Lea	
<i>,</i> .	1080' - San Juan 27-5 Unit 105	or Applied for on this Lea	150
9.	Proposed Depth	20 Potony or Coble T	ool
J .	8716'	20. Rotary or Cable T	001
	07 10	Rotary	
1.	Elevations (DF, FT, GR, Etc.)	22 Approx Data Wa	ek will Stort
•.		22. Approx. Date Wo	TIBIC IIIW AT
	7451'GL		
	Proposed Casing and Cementing Program		
3	See Operations Plan attached		
3.			
3.	see operations fram accached		
3.	see operations fram accadined	_	
	1 10 1	9.79	- A5
	Authorized by: Amanda Sandaral	9-28	-05
	1 10 1	9-28 Date	-05
	Authorized by: Amanda Sandaral	9-28 Date	0 <u>5</u>
4.	Authorized by: Amanda Sandaura Regulatory Compliance Assistant I		<u>,-05</u>
3. 4. PERMI	Authorized by: Amanda Sandaura Regulatory Compliance Assistant I		<u>,-05</u>
4. PERMI	Authorized by: Amanda Sandaura Regulatory Compliance Assistant I. T NO. APPROVAL I	DATE	11/17
4. ERMI	Authorized by: Amanda Sandaura Regulatory Compliance Assistant I		11/17
i. ERMI	Authorized by: Amanda Sandaura Regulatory Compliance Assistant I. T NO. APPROVAL I	DATE	14/17

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.

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

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

NMOCD

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

PO Box 2088, Santa Fe, NM 87504-2088

'API Number

State of New Mexico Energy, Minerals & Natural Resources Department

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

Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe. NM 87504-2088

AMENDED REPORT

2005 SEP 28 PM 1 35

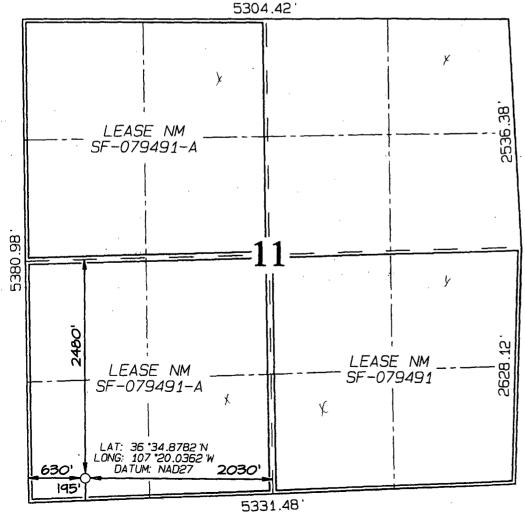
WELL LOCATION AND ACREAGE DEDENGATION PLAT 070 FARMING CPOOL Name *Pool Code Blanco Mesaverde/ Basin Dakota 30-039- 29675 71599/72319 *Property Name *Well Number

*Property Code SAN JUAN 27-5 UNIT 105P 7454 'OGRID No. *Operator Name *Elevation BURLINGTON RESOURCES OIL & GAS COMPANY, LP 7451 14538 ¹⁰ Surface Location

North/South line Ut or lot no. Section Township Валов Lot Ido Feet from the Feet from the East/West line RIO 195 27N SOUTH 630 WEST М 11 5W ARRIBA

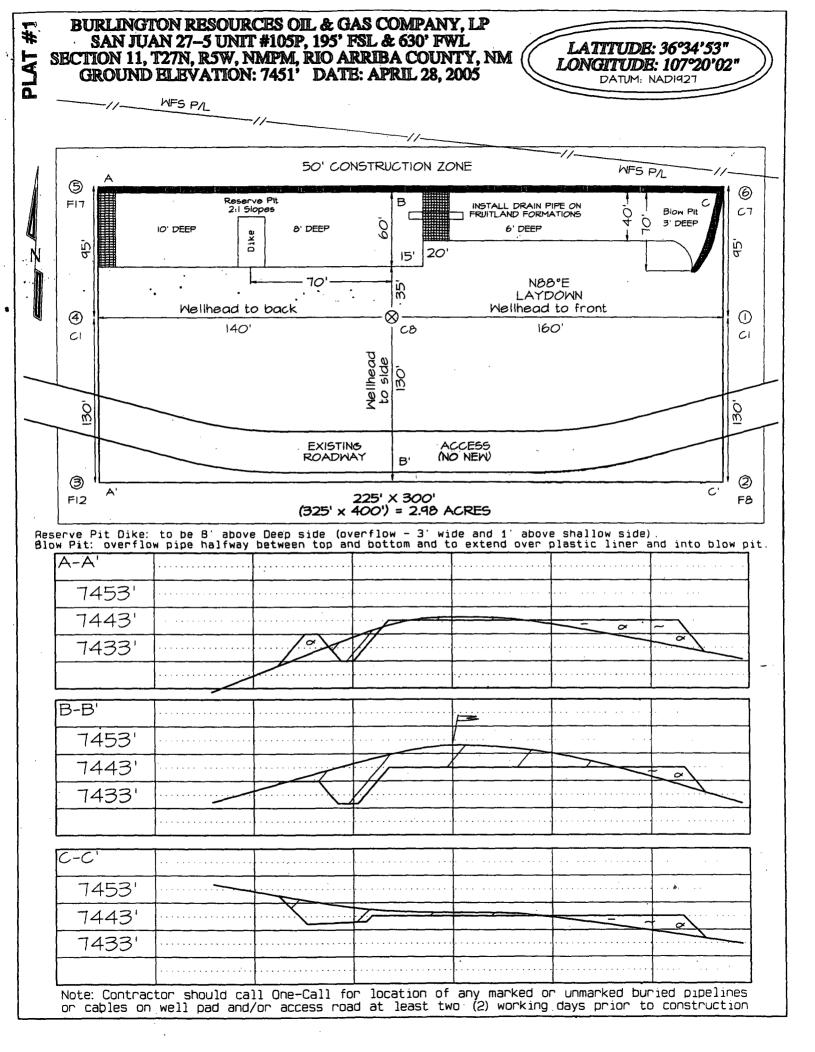
11 Bottom Hole Location If Different From Surface Ut or lot no. Section North/South line Feet from the East/West line County 12 Dedicated Acres 14 Consolidation Code ¹³Joint or Infill ¹⁵ Order No. 320 S2 DK; 320 W2 MV

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



" OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief
AmandaSandoral Signature
Amanda Sandoval
Printed Name
Regulatory Assistant II
Title
Nate
Dace
*SURVEYOR CERTIFICATION
I hereby certify that the well location shown 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
Date of Survey: APRIL 28, 2005
Signature and Seal of Professional Surveyor
SECH C. EDWARDS
15269 E
JASON C. EDWARDS
Certificate Number 15269

om '	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	Enoigy, whiteful and Material 1000 arous	WELL APINO
District II		30-039- 296 75
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.
District IV		NMSF-079491-A
1220 S. St. Francis Dr., Santa Fe, NM 87505	S AND REPORTS ON WELLS	7 I am Nama and Maria Amanaga Nama
(DO NOT USE THIS FORM FOR PROPOSALS TO		7. Lease Name or Unit Agreement Name
DIFFERENT RESERVOIR. USE "APPLICATION	FOR PERMIT" (FORM C-101) FOR SUCH	San Juan 27-5 Unit
PROPOSALS.)		
1. Type of Well:		8. Well Number
	Other	105P
2. Name of Operator	DOTO OF A GLOCOLOUND	9. OGRID Number
3. Address of Operator	RCES OIL & GAS COMPANY LP	14538 10. Pool name or Wildcat
	ET, FARMINGTON, NM 87402	Blanco Mesaverde/Basin Dakota
4. Well Location	51,17gdviii v0101v,1vii 207402	Bianco Mesave, de Pasni Bakota
Unit Letter M : 19		630 feet from the West line
Section 11	Township 27N Range 5W	NMPM County Rio Arriba
11. E	levation (Show whether DR, RKB, RT, GR, etc.)	7.0°4.60
Pit or Below-grade Tank Application X	or Closure 7451'	
i =		
Pit type New Drill Depth to Groundwat		>1000' Distance from nearest surface water <1000'
Pit Liner Thickness:	mil Below-Grade Tank: Volume	bbls; Construction Material
12. Check A	ppropriate Box to Indicate Nature of No	tice. Report or Other Data
NOTICE OF INT	•	SUBSEQUENT REPORT OF:
	PLUG AND ABANDON REMEDIA	
	⊢ 1	CE DRILLING OPNS. P AND A
PULL OR ALTER CASING	——————————————————————————————————————	CEMENT JOB
		
OTUED.	😾 otuce	
OTHER: New D		
13. Describe proposed or completed	operations. (Clearly state all pertinent details, and g	
13. Describe proposed or completed of starting any proposed work).		
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OPERATIONS PLAN

Well Name:

SAN JUAN 27-5 UNIT 105P

Location:

195' FSL & 630' FWL, Section Sec 11 T27N R05W

Rio Arriba County, New Mexico

Formation:

Blanco Mesaverde/Basin Dakota

Elevation:

7451' GL

Formation Tops:	Top	Bottom	<u>Contents</u>
Surface	San Jose	3655'	
Ojo Alamo	3655'	3823'	aquifer
Kirtland	3823'	4113'	gas
Fruitland	4113'	4295 '	gas
Pictured Cliffs	4295'	4450'	gas
Lewis	4450'	4818'	
Huerfanito Bentonite	4818'		
Chacra	5228'	6056'	gas
Massive Cliff House	6056'	6096'	gas
Menefee	6096'	6438 '	gas
Massive Point Lookout	6438'	6968 '	gas
Mancos Shale	6968'	7618'	
Upper Gallup	7618'	8381'	gas
Greenhorn	8381'	8441'	gas
Graneros	8441'	8471'	gas
Two Wells	8471'	8587 '	gas
Upper Cubero	8587 '	8628 '	gas
Lower Cubero	8628'	8702'	gas
Oak Canyon	8702'	8716'	gas
Total Depth:	8716'		gas

Logging Program:

Mud Logs/Coring/DST

Mud logs - none

Coring - none

DST - none

Open hole - none

Cased hole - Gamma Ray, CCL, CBL - surface to TD

Mud Program:

<u>Interval</u>	Type	<u>Weight</u>	Vis.	Fluid Loss
0 - 120'	Spud MUD/Air/Air Mist	8.4 - 9.0	40 - 50	no control
120 - 4550'	LSND	8.4 - 9.0	30 - 60	no control
4550 - 8716'	Air/Air Mist/Nitrogen	n/a	n/a	n/a

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

<u> Hole Size</u>	Depth Interval	<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' - 45 50'	7"	20/23#	J-55
6 1/4"	0' - 8716'	4 1/2"	10.5#	J-55

Tubing Program:

<u>Depth Interval</u>	<u>Csg.Size</u>	<u>Wt.</u>	<u> Grade</u>
0' - 8716'	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 421 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. Tail w/110 Type III cmt w/1% calcium chloride, 0.25 pps Celloflake, 0.2% fluid loss. Second stage: 401 sacks Premium Lite cement with 3% calcium chloride, .25 pps celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate (854 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 @ 3665'. Two turbolating centralizers at the base of the Ojo Alamo @ 3665'. 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 292 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 (567 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 11 is dedicated to the Mesa Verde formation and the south half of Section 11 is dedicated to the Dakota formation.
- This gas is dedicated.



Completion/Workover Rig BOP Configuration 2,000 psi System

Burlington Resources

2000 psi System Drilling Rig

BURLINGTON RESOURCES

Drilling Rig Choke Manifold Configuration 2000 pei System

Point to Total Depth. 2,000pel working preseure equipment with two chokes.

Figure #3

4-20-01

Figure #1

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pe rams. A stripping head to be installed on the top of preseure or greater excluding 500 pel stripping head. he BCP. All BCP equipment is 2000 pel worting ons. 7-1/16" bore, 2000 pel mb dinimum BOP installation for ell Com nauma doublis gate 80P to be equ

Figure #2

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