UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

a.	Type of Work		6 TO 22 22 S	5. Lease Number
	DRILL /		Managaga .	SF-079492A
		4		Unit Reporting Number DK-8910009500
		Į.	MAY 2000	MV-891000950A
b.	Type of Well	[<u>ˈ</u>	- 13.6 m	6. If Indian, All. or Tribe
D.	GAS _	<u>[</u> _	ON CON CIV	2
	00		DOON DIV	
	Operator			7. Unit Agreement Name
	BURLING RESOURCE	<i>TON</i> ES Oil & Gas (Something 8.L. 9.5	San Juan 27-5 Unit
3.	Address & Phone No	o. of Operator		8. Farm or Lease Name
•		Farmington, N	м 87499	San Juan 27-5 Unit
				9. Well Number
	(505) 326-976	00		57M —
	Landian of Wall			10. Field, Pool, Wildcat
l	Location of Well 1570' FNL, 1660	/ pizt.		Blanco MV/Basin DK
	T210. FMP' T000.	r .244 ,		11. Sec., Twn, Rge, Mer. (NMPM)
	Latitude 360 3	4.5. Longitude	107° 18.4	Sec. 13, T-27-N, R-5-W
		, ,		API# 30-039- ノヒ293
				12 County 13. State
4.	Distance in Miles fro			12. County 13. State Rio Arriba NM
	50 miles from	Blanco		RIO ALLIDA NE
5.	Dietance from Pron	osed Location to No	earest Property or Lease	Line
13.	1570'	5004 E0044011 to 114	, a. coo copo. cy or	
16.	Acres in Lease			17. Acres Assigned to Well
				DK - 320 N/2
				MV - 320 E/2
18.		osed Location to No	earest Well, Drig, Compl,	or Applied for on this Lease
40	600'		bject to technical and	20. Rotary or Cable Tools
19.	Proposed Depth 8128'		pursuant to 43 CFR 340	Rotary
	8128.	and appeal burst	ent to 43 CFR 3166.4.	<u> </u>
				22. Approx. Date Work will Start
21.	Elevations (DF, FT,	GR, Etc.)		22. Approx. Date Work will Start
21.	Elevations (DF, FT, 6846' GR	GR, Etc.)		22. Approx. Date Work will Start
	6846' GR /			22. Approx. Date Work will Start
	6846' GR /	nd Cementing Prog		
	6846' GR /			DRILLING OPERATIONS AUTHORIZED AR
	6846' GR /	nd Cementing Prog		DRILLING OPERATIONS AUTHORIZED AR
	6846' GR /	nd Cementing Prog		DRILLING OPERATIONS AUTHORIZED AR SUBJECT TO COMPLIANCE WITH ATTACH "GENERAL REQUIREMENTS".
23.	Proposed Casing and See Operation	nd Cementing Prog		DRILLING OPERATIONS AUTHORIZED AR SUBJECT TO COMPLIANCE WITH ATTACK
21. 23. 24.	Proposed Casing at See Operation	nd Cementing Prog		DRILLING OPERATIONS AUTHORIZED AR SUBJECT TO COMPLIANCE WITH ATTACK "CENERAL REQUIREMENTS": 12-6-99
23. 24.	Proposed Casing and See Operation Authorized by:	nd Cementing Prog	ned L Liance Administrat	DRILLING OPERATIONS AUTHORIZED AR SUBJECT TO COMPLIANCE WITH ATTACK "CENERAL REQUIREMENTS". 12-6-99 Date
23. 24.	Proposed Casing and See Operation Authorized by: Re	nd Cementing Prog	ned Lu liance Administrat APPROVAL	DRILLING OPERATIONS AUTHORIZED AR SUBJECT TO COMPLIANCE WITH ATTACK "CENERAL REQUIREMENTS": 12-6-99 Date DATE
23. 24. PERM	Proposed Casing and See Operation Authorized by: Re	nd Cementing Prog	ned L Liance Administrat	DRILLING OPERATIONS AUTHORIZED AR SUBJECT TO COMPLIANCE WITH ATTACK "CENERAL REQUIREMENTS": 12-6-99 Date DATE
23. 24. PERM	Proposed Casing and See Operation Authorized by: Ref	nd Cementing Prog	ned Lu liance Administrat APPROVAL	DRILLING OPERATIONS AUTHORIZED AR SUBJECT TO COMPLIANCE WITH ATTACK "CENERAL REQUIREMENTS". 12-6-99 Date DATE
23. 24. PERM	Proposed Casing and See Operation Authorized by: REPOSED BY Service Service See Operation See Oper	ond Cementing Programs Plan attach	ned Lu liance Administrat APPROVAL	DRILLING OPERATIONS AUTHORIZED AR SUBJECT TO COMPLIANCE WITH ATTAC "CENERAL REQUIREMENTS". 12-6-99 Date DATE
23. 24. PERM APPF	Proposed Casing and See Operation Authorized by: Ref	ons Plan attached att	ned Lu liance Administrat APPROVAL TITLE	DRILLING OPERATIONS AUTHORIZED AN SUBJECT TO COMPLIANCE WITH ATTAC "CENERAL REQUIREMENTS". 12-6-99 Date DATE



DISTRICT I P.O. Box 1980, Hobbs, N.M. 88241-1980

DISTRICT II P.O. Drawer DD. Artesia, N.M. 88211-0719

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 Copie: Fee Lease - 3 Copie:

DISTRICT III 1000 Rio Brazos Rd., Aztec, N.M. 87410

OIL CONSERVATION DIVISION - DOIL BOX 2088
Santa Fe. NM 87504-2088

AMENDED REPORT

STRICT IV D Box 2088, San	ta Fe, NM			00	inta i c, iva o			4		AMEN	IDED REPORT
¹ APl	Number	<u>Y</u>		CATIO Pool Code 19/71		REAGE DEDI	3 5	ool Name			
30-039	26	293	723	19/715	599 B	lanco Mesa	verde	Bas:	in Dai		
⁴ Property Co	ode			-	⁵ Property	Name			}		ell Number
7454	SAN JUAN 27-5 UNIT						# 57M				
OGRID No					*Operator				1	•	Elevation
14538	-		Bi	URLINGTO	N RESOURCES	OIL & GAS CON	MPANY				6846' -
					¹⁰ Surface	Location					
UL or lot no.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet fr	i	East/Wes EAS		RIO ARRIBA
G	13	27-N	5-W		1570	NORTH	L		LAS	1	THO ARRIDA
			11 Botto	om Hole		If Different Fr			F - 1 /97 -	-4 II	10-1-
UL or lot no.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet Ir	om the	East/We:	st line	County
12 Dedicated Acre	<u></u>	13	oint or Infil	<u> </u>	14 Consolidation	Code	15 Order	No.	l		1
MV: E/			. Just of mile	·•		-					
DK N/	320						<u></u>				
NO ALLOW	ABLE W	VILL BE	ASSIGNEI	о то тн	IS COMPLET	ON UNTIL ALL	INTER	ESTS I	HAVE B	EEN C	ONSOLIDATED
		OR A	NON-STA	NDARD	UNIT HAS B	EEN APPROVED	BY T	HE DIV	VISION		
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MAY PRECONLO	38 L9	3	79492-A	1660*	S 00-13-02 E 2,779.45. (MEAS	Signature Peggy Printed N Pegul Title Date 18 SI hereby ceres plotted	Cole same atory /2 JRVEYO	Adm Adm OR CE E well locate of act RO Fela	inistrator 99 RTIFICATION Ition shown on this platical surveys made by: the same is true and the same is true and
						107M		Date of S Signature	THE PARTY OF THE P	Ny -	gna Surveyor

OPERATIONS PLAN

San Juan 27-5 Unit #57M Well Name:

1570'FNL, 1660'FEL, Sec 13, T-27-N, R-5-W Location:

Rio Arriba County, NM Latitude 36° 34.6, Longitude 107° 18.4

Formation: Blanco Mesa Verde/Basin Dakota

6846' GL Elevation:

Formation Tops:	Top	Bottom	Contents
Surface	San Jose	3119'	
Ojo Alamo	3119'	3248 ′	aquifer
Kirtland	3248 '	3349 ′	gas
Fruitland	3349'	3708 '	gas
Pictured Cliffs	3708 '	3791 '	gas
Lewis	3791'	4203'	gas
Intermediate TD	3891'		
Mesa Verde	4203'	4648′	gas
Chacra	4648'	5358 ′	gas
Massive Cliff House	5358 '	5518'	gas
Menefee	5518 '	5853 ′	gas
Massive Point Lookout	5853 '	6384'	gas
Mancos	6384 ′	7018′	gas
Gallup	7018 ′	7 788 ′	gas
Greenhorn	7788 '	7848'	gas
Graneros	7848'	7878 '	gas
Dakota	7878 '		gas
TD	8128'		

Logging Program:

Cased hole - CBL-CCL-GR - TD to surface Cores - none

Mud Program:

•	<u> </u>					
	Interval	Type			Fluid Loss	
	0- 200	Spud	8.4-9.0	40-50	no control	
	200- 3891	' LSND	8.4-9.0	30-60	no control	
	3891- 8128	' 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):

Hole Size	Depth Interval	Csg.Size	Wt.	<u>Grade</u>
12 1/4"	0' - 200'	9 5/8"	32.3#	WC-50
8 3/4"	0' - 3891'	7"	20.0#	J - 55
6 1/4"	3791' - 8128'/	4 1/2"	10.5#	K-55

Tubing Program:

0' -8128' 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.

- te: 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 $4\ 1/2"$ x 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
- 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 and Mesa Verde formations will be completed and commingled.
- No abnormal temperatures or hazards are anticipated.
- Anticipated pore pressures are as follows:

Fruitland Coal 300 psi 600 psi 700 psi Pictured Cliffs Mesa Verde 2500 psi Dakota

- Sufficient LCM will be added to the mud system to maintain well control, if lost circulation is encountered.
- The east half of Section 13 is dedicated to the Mesaverde and the north half of Section 13 is dedicated to the Dakota in this well.

This gas is dedicated. lada

Drilling Engineer

12/7/1999 Date

