UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

RECEIVED

١.	Type of Work	5. Lease Number
	DRILL	SF-080675
	45678	Unit Reporting Number 70 Farming
b.	Type of Well	6. If Indian, All. or Tribe
	GAS UL 200	
	Operator	7. Unit Agreement Name
	BURLINGTON S S	
	RESOURCES Oil & Gas Company	San Juan 27-4 Unit
•	Address & Phone No. of Operator	8. Farm or Lease Name
	PO Box 4289, Farmington, NM 874982212	San Juan 27-4 Unit
	(505) 326-9700	9. Well Number #133M
	(303) 320 3700	#13314
	Location of Well	10. Field, Pool, Wildcat
	1310' FSL, 530' FWL	Blanco Mesaverde/Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM)
	Latitude 36° 32.4412'N, Longitude 107° 14.7038'	W M Sec. 27, T27N, R04W
		· · ·
		API# 30-039- 27649
4.	Distance in Miles from Nearest Town	12. County 13. State
	19 miles to Gobernador	Rio Arriba NM
 5.	Distance from Proposed Location to Nearest Property or Lease L	ine
_	530'	4- 4 4
6.	Acres in Lease	17. Acres Assigned to Well 320 W/2 DK
		320 W/2 MV
	Distance from Drongood Location to Newsort Well, Driv. Count.	A - No de la desarra de la la companya de la compan
8.	Distance from Proposed Location to Nearest Well, Drlg, Compl, o 1800'	r Applied for on this Lease
9.	Proposed Depth	20. Rotary or Cable Tools
	8230'	Rotary
1.	Elevations (DF, FT, GR, Etc.)	22. Approx. Date Work will Start
	6940' GR	
3.	Dranged Cooling and Compating Dragges	
.3,	Proposed Casing and Cementing Program See Operations Plan attached	
	-	
	\bigcap	
4.	Authorized by: Jane Clark	2/4/04
4.	Authorized by: Regulatory Specialist	216104 Date
4.		214104 Date
4. PERM		216104 Date
PERM	Regulatory Specialist APPROVAL DA	214104 Date
PERM	Regulatory Specialist	2/4/04 Date TE Mueralo DATE 7/6/55
ERM	Regulatory Specialist APPROVAL DA	Date Date Musclo DATE 7 65

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

States any false, fictitious or fraudulent statements or presentations as to any matter within its jurisdiction.

This action is subject to technical and procedural review persuant to 43 CFR 3165.8 and appeal pursuant to 43 CFR 3165.4

NMOCD

PO Box 1980, Hobbs, NM 88241-1980

Energy, Minerals & Natural Resources Department

Revised February 21, 1994 Instructions on back Submit to Appropriate District Office

District II PO Drawer DD, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088 State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

∌District III 1000 Rio Brazos Rd., Aztec, NM 87410

2000

District IV PO Box 2088, Santa Fe, NM 87504-2088

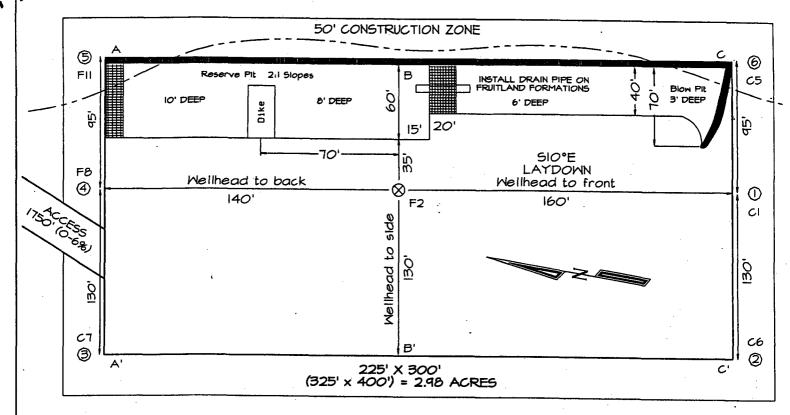
WELL LOCATION AND ACREAGE DEDICATION PLAT

WELL LOCATION AND ACREAGE DEDICATION PLAT										
'A	PI Number	10		*Pool Coo	de	·····	Pool Nam	ie .		
30-039-	216	,49	72319	71599		nco Mesaverde	/Basin Dak	ota		* *,
1Property	Code				*Property					11 Number
-7254 7	454				SAN JUAN 2			133M		
OGRID N	No.		BUIDL TA	ICTON E		rator Name "Elevation"			1evation 5940 '	
14538	+330						3940			
UL or lot no.	Section	Township	Range	Lot Idn	¹⁰ Surface	Location North/South line	Feet from the	East (tel	est line	County
M M	27	27N	4W	201 20.	1310	SOUTH	530	1	ST	RIÓ
				Hole L	<u> </u>	 		<u> </u>		ARRIBA
UL or lot no.	Section	Township	Range	Lot Idn	_OCATION I	f Different North/South line	From Surt		lest line	County
				•						
Dedicated Acres	L		L		¹³ Joint or Infill	³⁴ Consolidation Code	²⁵ Onder No.			<u> </u>
MV-W/320 DK-W/320										
		ILL BE	ASSIGNED	TO TH	IS COMPLETION	ON UNTIL ALL	INTERESTS I	HAVE BI	EEN CON	SOLIDATED
16		OR A	NON-ST	ANDARD	UNIT HAS BE	EN APPROVED			······································	
			52	88.58 °	7	1 200	1			FICATION
				-	A50	1/89	contain	ed herein	that the i is true an	information od complete e and belief
				ľ			to the	Desc Di iii	, Allow ledge	e en bellet
				i,	RECO	2005	(Jou	i Cl	are
	! 			. [1		(1) (D) (E)	Signatu	<i>i</i> 1	Clark	
		· <u> </u>		<u> </u>	Die	S. DIV. 3	Printed		Clark	
	i i				Co.				y Spec	ialiet
					Epoco.	21288	Title	, 41.42 4.17.1	У Прес	/
115	'A SE-	-08067	' 5		TECC.	CC VC SCIP		2 - 1	0 - 0	04.
	7 J,	00007	J	[Date			
·				l i .						FICATION.
No.	 			77		i . ·	Shown on	this plat actual su	inat the we t was plott rvevs made	ell location ed from field by me or under
5280.00				Z / -			my super	vision, and ect to the	d that the	by me or under same is true my belief.
្រែ				ll .	•	i :	Survey	/ Date:	OCTOBE	R 3, 2003
	ļ]'		-	Signatur	e and Seal	of Profes	sional Surveyor
	2			l _l		1		N	C. EDW.	
LAT: 3	36 * 32.441	2 'N		ļ!				JASON JASON	MEX	(B)
	107 °14.70 'UM: NAD2					!	1 /	, - ,	, , ,) \ \
				- -				;)) g	15269)) <u>e</u>)
530' 1					MM .notgni	lusea nzo	\		15269 0-ESSION	E E
	!				F ST A	1 1 040 1		18/		8/
310					9 5 7 Nd 9	t ass not		1	OFESSION	/
	! !			li		1	TAC	-11	~ <i></i>	_
			52	83.30	$(\neg \neg \land \neg \neg \neg \land \neg \neg \neg \land \neg \neg \neg \land \neg \neg \neg \neg \land \neg \neg \neg \land \neg \neg$		Cert	ificate	Number	DWARDS 15269

SAN JUAN 27-4 UNIT #133M, 1310' FSL & 530' FWL SECTION 27, T27N, R4W, NMPM, RIO ARRIBA COUNTY, NM GROUND ELEVATION: 6940' DATE: OCTOBER 3, 2003

LATITUDE: 36°32'26"
LONGITUDE: 107°14'42"

DATUM: NADI927



Reserve Pit Dike: to be 8' above Deep side (Bverflow - 3' wide and 1' above shallow side).

Blow Pit: overflow pipe halfway between top and bottom and to extend over plastic liner and into blow pit.

A-A'

6952'

6942'

6932'

C-C'

6952'

6942'

6932'

Note: Contractor should call One–Call for location of any marked or unmarked buried pipelines or cables on well pad and/or access road at least two (2) working days prior to construction

OPERATIONS PLAN

•Well Name: San Juan 27-4 Unit #133M

Location: 1310'FSL, 530'FWL, Sec 27, T-27-N, R-4-W

Rio Arriba County, NM

Latitude 36° 32.44'N Longitude 107° 14.70'W

Formation: Blanco Mesaverde/Basin Dakota

Formation Tops:	<u>Top</u>	Bottom Contents		
Surface	San Jose	3227′		
Ojo Alamo	3227′	3447'	aquifer	
Kirtland	3447'	3617′	gas	
Fruitland	3617	3792 ′		
Pictured Cliffs	3792	3917'	gas	
Lewis	3917 <i>'</i>	4289'	gas	
Intermediate TD	4017′		-	
Huerfanito Bentonite	4289'	4749'	gas	
Chacra	4749'	5367'	gas	
Upper Cliff House	5367 ′	5570′		
Massive Cliff House	5570 ′	5619'		
Menefee	5619′	5954′	gas	
Point Lookout	5954'	6143′	gas	
Mancos	6143′	7087′	gas	
Gallup	7087 ′	790 4′	gas	
Greenhorn	7904'	7966'	gas	
Graneros	7966'	7993'	gas	
Dakota	7993 <i>'</i>	8125′	gas	
Upper Cubero	8125′	8166′	gas	
Lower Cubero	8166′	8187 <i>'</i>	gas	
Oak Canyon	8187′	8232'		
Encinal	8232'			
TD	8230'			

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:

Interval	Type	Weight	Vis.	Fluid Loss
0- 120'	Spud MUD/Air/Air Mist	8.4-9.0	40-50	no control
120- 4017'	LSND	8.4-9.0	30-60	no control
4017- 8230'	Air/Air Mist/Nitrogen	n/a	n/a	n/a

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

<u>Hole Size</u>	Depth Interva	$\frac{1}{2}$	<u>Csg.Size</u>	Wt.	Grade
12 1/4"	0' - 120	200 (BLM)	9 5/8"	32.3#	H-40
8 3/4"	0' - 400	0'	7"	20.0#	J-55
8 3/4"	4000' - 401	7 <i>'</i>	7"	23.0#	N-80
6 1/4"	0' - 780	0'	4 1/2"	10.5#	J-55
6 4"	7800′ - 823	o '	4 1/2"	11.6#	N-80

Tubing Program: 0' - 8230' 2 3/8" 4.7# J-55

erations Plan - Home San Jun 274 unit #133M

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.

7" intermediate casing alternative two stage: Stage collar set 300' above the top of the Fruitland. First stage: Lead with 16 sacks Premium Lite cmt w/3% calcium chloride, .25 pps celloflake, 5 pps LCM-1, 0.4% sodium metascilicate, 0.4% fluid loss. Tail w/90 Type III cmt w/1%calcium chloride, 0.25 pps Celloflake, 0.2% fluid loss. Second stage: Lead with 348 sacks with Premium Lite cement with 3% calcium chloride, .25 pps celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate (900 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 @ 3447'. Two turbolating centralizers at the base of the Ojo Alamo 3447'. 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 -

Cement to cover minimum of 100' of 4 1/2" x 7" overlap. Cement with 290 sacks Premium Lite HS w/ 0.25 pps Celloflake, 0.3% CD-32, 6.25 pps LCM-1 and 1% FL-52. (573 cu.ft.-30% excess to cement 4 1/2" x 7" overlap). WOC a minimum of 18 hrs prior to completing.

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 2500 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 27 is dedicated to the Mesa Verde and Dakota.
- This gas is dedicated.

<u>Jean Corigan</u>
Drilling Engineer

Date

Jebusy 25, 2004

Date