UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

a.	Type of Work	5. Lease Number
	DRILL	SF-080670
		Unit Reporting Number
		DK-8910010540
	A STANLEY CONTRACTOR OF THE STANLEY CONTRACT	MV-891001054A
b.	Type of Well	6. If Indian, All. or Tribe
	GAS /	
<u></u>	Operator G	7. Unit Agreement Name
	BURLINGTON	San Juan 27-4 Unit
	RESOURCES Oil & Gas Company	Sali Suali 27 i Silic
	Address & Phone No. of Operator	8. Farm or Lease Name
3.		San Juan 27-4 Unit
	PO Box 4289, Farmington, NM 87499	9. Well Number
	(505) 226 0700	5. Well realised
	(505) 326-9700	
 -	Location of Well	10. Field, Pool, Wildcat
١.	1940' FSL, 100' FEL	Blanco MV/Basin DK
	1340 135, 100 155	11. Sec., Twn, Rge, Mer. (NMPM)
	Latitude 36° 31.7, Longitude 107° 15.9	Sec. 32, T-27-N, R-4-
	Lattitude 30° 31.7, Longitude 107 13.9	API# 30-039- 7/
		26455
14.	Distance in Miles from Nearest Town	12. County 13. State
14.	18 miles from Gobernador	Rio Arriba NM
	TO WITES TIOM CONCINGUOT	
15.	Distance from Proposed Location to Nearest Property or Lease	Line
15.	Distance from Proposed Location to Nearest Property or Lease	
		17. Acres Assigned to Well
	100 ′	
16.	100' Acres in Lease	17. Acres Assigned to Well 320 E/2
16.	100' Acres in Lease Distance from Proposed Location to Nearest Well, Drlg, Compl,	17. Acres Assigned to Well 320 E/2
16. 18.	Distance from Proposed Location to Nearest Well, Drig, Compl.	17. Acres Assigned to Well 320 E/2 , or Applied for on this Lease
16. 18.	Distance from Proposed Location to Nearest Well, Drig, Compl. 700' Proposed Depth procedural review pursuant to 43 CFR 3165.3	17. Acres Assigned to Well 320 E/2 , or Applied for on this Lease 20. Rotary or Cable Tools
16. 18.	Distance from Proposed Location to Nearest Well, Drig, Compl.	17. Acres Assigned to Well 320 E/2 , or Applied for on this Lease
16. 18. 19.	Distance from Proposed Location to Nearest Well, Drig, Compl. 700' Proposed Depth Procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.	17. Acres Assigned to Well 320 E/2 , or Applied for on this Lease 20. Rotary or Cable Tools
16. 18. 19.	Distance from Proposed Location to Nearest Well, Drig, Compl. 700' Proposed Depth This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4. Elevations (DF, FT, GR, Etc.)	17. Acres Assigned to Well 320 E/2 , or Applied for on this Lease 20. Rotary or Cable Tools Rotary 22. Approx. Date Work will Start
16. 18. 19.	Distance from Proposed Location to Nearest Well, Drig, Compl. 700' Proposed Depth Procedural review pursuant to 43 CFR 3165.3 8182' and appeal pursuant to 43 CFR 3165.4. Elevations (DF, FT, GR, Etc.) 6960' GR	17. Acres Assigned to Well 320 E/2 , or Applied for on this Lease 20. Rotary or Cable Tools Rotary
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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 PO Box 1980, Hobbs, NM 88241–1980

State of New Mexico Energy, Minerals & Natural Resources Department

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

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

OIL CONSERVATION DIVISION PO Box 2088

Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

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

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

AMENDED REPORT

6857

	W	ELL 1	_OCATI	ON AND) ACF	REAGE DE	DICAT	ION PL	ΑT	
'API Number	T	²Pool Code			³Pool Name					
30-039-260	723	Blanco Mesaverde/Basin				n Dakot	а			
¹Property Code	(3)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		°Pro	perty !	Nam e				⁴Well Number
7452		S	AUL NA	N 27	7-4 UNIT	NIT 54M				
'OGRID No.				rator :				°Elevation		
14538	BURLI	INGTON RESOURCES OIL & GAS CO			AS CO	MPANY 6960 -				
14538			1	^o Surfa	ce L	ocation				
UL or lot no. Section	Township	Range	Lot Idn	Feet from	the	North/South lin	ne Fe	et from the	East/West li	ne County RIO
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	11 BO	ttom	Hole L	ocatio	n If	Differe	nt Fro	om Surf	ace	
UL or lot no. Section	Township	Range	Lot lon	Feet from		North/South li		et from the	East/West li	ine County
							İ	_		
12 Dedicated Acres	13 Joint or Infil	1 14 Const	olidation Code	15 Order	No.			-		
MV-E/320 DK-E/320	I									
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NO ALLONADEL 7	A RO	NON-ST	ANDARD	UNIT HA	S BE	EN APPROVI	ED BY	THE DIVI	SION	
5280.00'	MAY 2000		32		SF-(080670	100 08CF	Fignatu Peggy Printed Regul Title Date 18 SUR' I hereby compare more correct to	Cole Name atory A	ERTIFICATION Ell location shown on this pl s of actual surveys made by m that the same is true and elief.

5280.00'

OPERATIONS PLAN

Well Name: San Juan 27-4 Unit #54M

Location: 1940' FSL, 100' FEL, Sec 32, T-27-N, R-4-W

Rio Arriba County, NM

Latitude 36° 31.7, Longitude 107° 15.9

Formation: Blanco Mesa Verde/Basin Dakota

Elevation: 6960' GL

Formation Tops:	Top	Bottom	Contents
Surface	San Jose	3222'	
Ojo Alamo	3222 '	3432 ′	aquifer
Kirtland	3432 ′	3472 '	gas
Fruitland	3472'	3757 '	gas
Pictured Cliffs	3757 '	3827 '	gas
Lewis	3827 '	4250'	gas
Intermediate TD	3927'		
Mesa Verde	4250 '	4719 ′	gas
Chacra	4719 '	5449 ′	gas
Massive Cliff House	5449'	5578 '	gas
Menefee	5578 '	5924 ′	gas
Massive Point Lookout	5924 '	6429'	gas
Mancos	6429 '	7074′	gas
Gallup	7074'	7882 ′	gas
Greenhorn	7882 '	7942 '	gas
Graneros	7942 '	7967 '	gas
Dakota	7967 '		gas
TD	8182'		

Logging Program:

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

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 200'	Spud	8.4-9.0	40-50	no control
200- 3927 ′	LSND	8.4-9.0	30-60	no control
3927- 8182'	Air/N2	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):

HOL	le Size	Depth In	terval	Csg.Size	Wt.	Grade
12	1/4"	0'-	200'	9 5/8"	32.3#	WC-50
8	3/4"	0' -	3927 '	7 ''	20.0#	J-55
6	1/4"	3827' -	8182 🚩	4 1/2"	10.5#	K-55

Tubing Program:

0' -8182' 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.

BURLINGTON RESOURCES OIL # GAS COMPANY SAN JUAN 27-4 UNIT #54M 1940' FSL & 100' FEL, SECTION 32, T27N, R4W, N.M.P.M. RIO ARRIBA COUNTY, NEW MEXICO APD MAP #1 NO NEW CONSTRUCTION NE/SE SECTION 32, T27N, R4W D 20 / 24 EXISTING R.O.W. OR ES

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.

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/353 sx Class "B" w/3% sodium metasilicate, 7# gilsonite/sx and 1/2# flocele/sx. Tail w/90 sx 50/50 Class "B" Poz w/2% calcium chloride, 2% gel (1181 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 TCC. Test casing to 1500 psi for 30 minutes.

7" intermediate casing alternative two stage: Stage collar at 3372'. First stage: cement with w/124 sx Class "B" 50/50 poz w/2% gel, 2% calcium chloride, 0.5 pps Cellophane. Second stage: 346 sx Class "B" with 3% sodium metasilicate, 1/2 pps Cellophane, 10 pps Gilsonite (1181 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 3432'. turbolating centralizers at the base of the Ojo Alamo at 3432^{\prime} . 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 493 sx 50/50 Class "H" Poz with 2% gel, 0.25# flocele/sx, 5# gilsonite/sx, 0.2% retardant and 0.4% fluid loss additive (626 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.