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

53

a.	Type of Work	70// 512 19 PM
а.	DRILL	NMSF-080674
	DKILL	Unit Reporting Number Farming to
		Our Kebottili Mannett Carried Co.
b.	Type of Well	6. If Indian, All. or Tribe
ω.	GAS	o. II maian, yan or tria
	20, 30, 31/8	
2.	Operator	7. Unit Agreement Name
	BURLINGTON	
	RESOURCES OIL & GAS COMPANY LP AUG	San Juan 27-4 Unit
	in the second of	004
3.	Address & Phone No. of Operator	8. Farm or Lease Name
	PO Box 4289, Farmington, NM 87499	San Juan 27-4 Unit
		9. Well Number
	(505) 326-9700	143A
1 .	Location of Well	10. Field, Pool, Wildcat
	530' FSL, 1520' FEL	Blanco Mesaverde
		11. Sec., Twn, Rge, Mer. (NMPM)
	Latitude 36° 33.1 Longitude 107° 14.0	Sec. 22, T-27-N, R-4-N
		API # 30-039- 276/6
14.	Distance in Miles from Nearest Town	
14.		12. County 13. State Rio Arriba NM
	21 miles from Gobernador	RIO AFIIDA MM
15.	Distance from Proposed Location to Nearest Property o	r Lease Line
10.	530'	Lease Line
16.	Acres in Lease	17. Acres Assigned to Well
		320 E/2
		·
18.	Distance from Proposed Location to Nearest Well, Drlg,	Compl, or Applied for on this Lease
	190'	
19.	Proposed Depth	20. Rotary or Cable Tools
	6688'	Rotary
21.	Elevations (DF, FT, GR, Etc.)	22. Approx. Date Work will Start
	7261' GR	•
12	Dronoud Continue of Continue o	
23.	Proposed Casing and Cementing Program	
	See Operations Plan attached	
		•
24.	Authorized by: ancer Oltmanns	2-9-14
-7.	Regulatery/Compliance Supers	zi sor Data
	Regulatory/Compilance Super	TOOT DAKE
PERM	NIT NO. APPI	ROVAL DATE
		1
		タン・ス・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・
APPR	COVED BY JITLE A	TM DATE 7 29-09

Archaeological Report attached

Threatened and Endangered Species Report attached

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 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

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

Energy, Minerals & Natural Resources Department

Instructions on back Submit to Appropriate District Office State Lease - 4 Copies

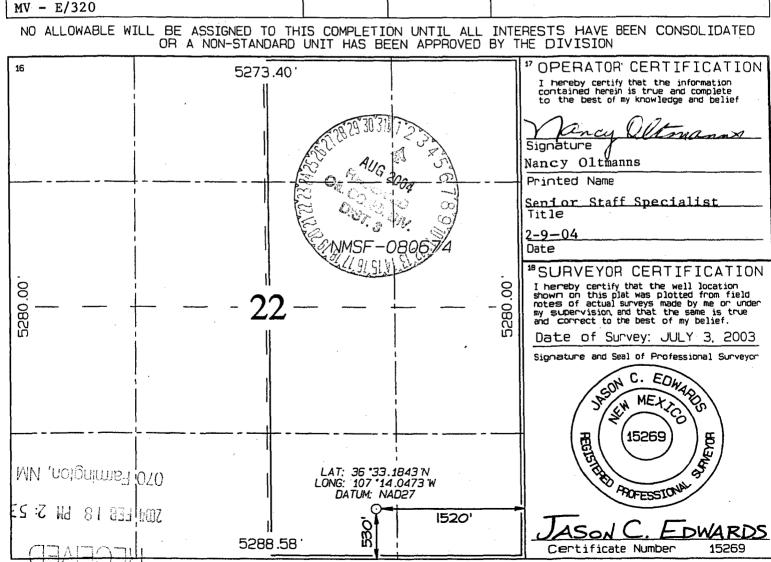
Fee Lease - 3 Copies

AMENDED REPORT

Hevised February 21, 1994

LOCATION AND ACDEAGE DEDICATION DLAT

WELL LOCATION AND ACHEAGE DEDICATION PLAT											
'API Number Pool Code			.e	³Pool Name							
30-039- 276/6 72319				B1a ₁	Blanco Mesaverde						
Property Code			*Property Name				*We]	11 Number			
7452					SAN JUAN 27-4 UNIT					143A	
'OGRID N	٧٥.	1			*Operator	*Operator Name				"Elevation	
14538	14538 BURLINGTON R			NGTON P	ESOURCES OIL & GAS COMPANY, LP				7261		
¹⁰ Surface Location											
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	est line	County RIO	
0	22	27N	4W	\'	530	SOUTH	1520	EAST		ARRIBA	
		11 P	3ottom	Hole L	ocation I	f Different	From Surf	ace			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line		County	
	\'		1	1	,]			
12 Dedicated Acres	,				¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.				
MV - E/320										·	
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											
16 5273.40					H -		CERTI	IFICATION information			



BUKLINGTUN KESUUKUES UIL & JAS UUMIFAN I, LE

#

OPERATIONS PLAN

Well Name: San Juan 27-4 Unit #143A

Location: 530' FSL, 1520' FEL, Section 22, T-27-N, R-4-W

Rio Arriba County, New Mexico

Latitude 36° 33.1843, Longitude 107° 14.0473

Formation: Blanco Mesa Verde

Elevation: 7261'GL

Formation Tops:	Top	Bottom	Contents
Surface	San Jose	3549 ′	
Ojo Alamo	3549 ′	3829 '	aquifer
Kirtland	3829'	3959 '	gas
Fruitland	3959 ′	4123'	
Pictured Cliffs	4123'	4206'	gas
Lewis	4206′	4638′	qas
Intermediate TD	4456'		5
Huerfanito Bentonite	4638′	5093 ′	qas
Chacra	5093 ′	5833 '	gas
Cliff House	5833 ′	5936 ′	_
Menefee	5936 ′	6288 ′	gas
Point Lookout	6288'		gas
TD	6688′		-

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- 300'	Spud MUD/Air/Air Mist			no control
300- 4456′	LSND			no control
4456- 6688'	Air/Air Mist/Nitrogen		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.	Grade
12 1/4"	0' - 300'	9 5/8"	32.3#	H-40
8 3/4"	0' - 4000'	7"	20.0#	J-55
8 3/4"	4000' ~ 4456'	7"	23.0#	L-80
6 1/4"	4356' - 6688'	4 1/2"	10.5#/11.6#	J-55

<u>Tubing Program:</u> 0' - 6688' 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 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 conventionally drilled Cement with 220 sacks Type III cement with 0.25 pps Celloflake, 3% calcium chloride. (282 cu.ft.200% excess, bring cement to 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.

Saw tooth guide shoe on bottom. Bowspring centralizers will be run in accordance with Onshore Order #2.

7" intermediate casing -

Lead with 406 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 (989 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. First stage: Lead with 26 sacks Premium Lite cmt w/18 calcium chloride, 0.25 pps Celloflake, 0.4% fluid loss, 5 pps LCM-1, 0.4% sodium metasilicate. Tail with 90 sacks with Type III cement with 1% calcium chloride, 0.25 pps Celloflake, 0.2% fluid loss. Second stage: 380 sacks with Premium Lite cement with 3% calcium chloride, 0.25 pps Celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate (989 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 @ 3829'. Two turbolating centralizers at the base of the Ojo Alamo 3829'. 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. Cement with 168 sacks Premium Lite HS w/ 0.25 pps Celloflake, 0.3% CD-32, 6.25 pps LCM-1 and 1% FL-52. (333 cu.ft., 40% 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.

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 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

- 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 east half of Section 22 is dedicated to the Mesa Verde.
- This gas is dedicated.

Seen lorigan

Drilling Engineer

Date

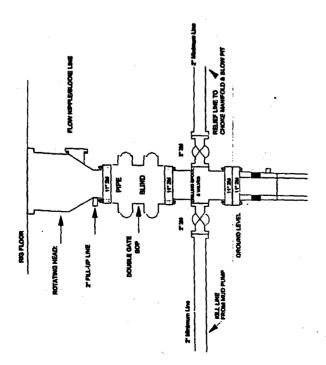
Date

Completion/Workover Rig BOP Configuration 2,000 psi System

Drilling Rig Choke Manifold Configuration 2000 psl System

Burlington Resources

Drilling Rig 2000 psi System



BOP Installation from Surface Ceating Point to Total Depth. 11* Bore for Nombral, 2000 pel working pressure double gate BOP to be equipped with bind raths and Alpo Ferman. A Soft pel retains from the pel control of the pel

THE COT CHANGE ON POSSTALE POS

Choke manifold installation from Surface Ceeing Point to Total Depth. 2,000pel working pressure equipment with two chokes.

Figure #3

4-20-01

And the property on the control of t

Minimum BOP installation for all Completion/Morkover Operations. 7-1/16" bore, 2000 pel minimum working pressure double gate BOP to be equipped with blind and pipe rams. A stripping head to be installed on the top of the BOP. All BOP equipment is 2000 pel working pressure or greater excluding 500 pel stripping head.

4-20-01