UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

		5. Lease Number			
a.	Type of Work		5. Lease Number Apache #124		
	DRILL				
		RECENTED Unit Reporting Nu	umber		
b.	Type of Well	C75 FARME 276. If Indian, All. or Tr	rihe		
ı	GAS	Arizona Jicaril	lla A		
	CAD		LLU II		
2.	Operator	7. Unit Agreement N	lame		
	Burlington				
	RESOURCES Oil & Gas Company				
3.	Address & Phone No. of Operator	8. Farm or Lease Na	ıme		
-	PO Box 4289, Farmington, NM 8				
		9. Well Number			
	(505) 326-9700	# 4 A			
	Location of Well	10 Elad Beat Wild			
4.	Unit E (SWNW), 1330' FNL, 810'	10. Field, Pool, Wild FWL Blanco Mesaverde			
	OHIC E (SWAW), 1330 FMD, 810	Pictured Cliffs	•		
		Fictured Cliffs	BOULH		
		←11. Sec., Twn, Rge, M	Mer. (NMPM)		
	Latitude 36° 23.3268'N	Sec. 24, T25N,	R4W		
	Longitude 107° 12.5377'W	···	_		
		API# 30-039- 30	045		
14.	Distance in Miles from Nearest Town	12. County	13. State		
	85 miles to Bloomfield, NM	Rio Arriba	NM		
			 		
15.	Distance from Proposed Location to Neare 810 '	st Property or Lease Line			
16.	Acres in Lease	17. Acres Assigned	to Well		
		320 W2 MV/ 160			
8.	Distance from Proposed Location to Neare	est Well, Drig, Compl, or Applied for on this Le			
υ.	350'- Enervest Jicarill Apache		ase		
19.	Proposed Depth	20. Rotary or Cable	Tools		
	5992′	Rotary			
21.	Elevations (DF, FT, GR, Etc.) 7019'GL	22. Approx. Date W	ork will Start		
23.	Proposed Casing and Cementing Program				
	See Operations Plan attached				
0.4	Australia III. I de la	(
24.	Authorized by:	therefore =			
	Řegulatory Analyst	Date			
	TNO - 41	ABBOWA D	,		
PERM	IT NO.	APPROVAL DATE			
APPR	OVED BY AM / Whee los 1	TITLE ATM DATE	E ///29.		
)	JAN.			
	, , , ,				

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.



\$ 12/5/06

This action is subject to technical and procedural review pursuant to 43 CFR 3165.2 and appeal pursuant to 43 CFR 3165.4

•District I PO Box 1980, Hobbs, NM 88241-1980

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

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

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

State of New Mexico Energy, Minerals & Natural Resources Department

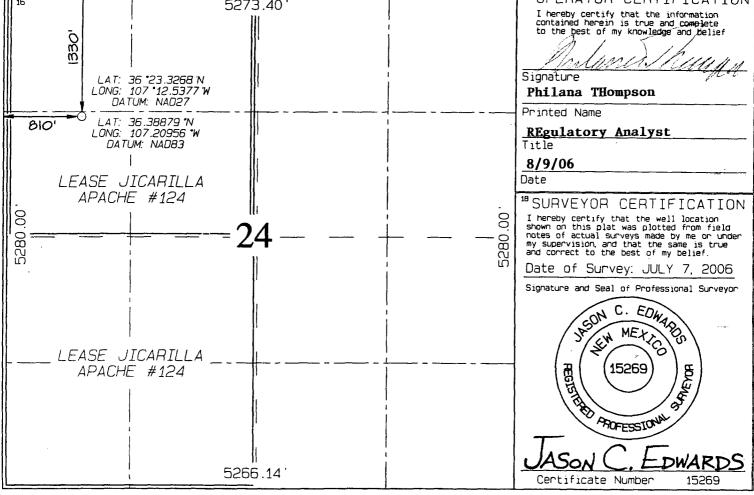
OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

Form C-102 Revised February 21, 1994 Instructions on back Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

*Pool Coo 30-039 - 30045 72319/72439				Blanco MV/Blanco Pictured Cliffs South					
*Property Code			³ Property Name ARIZONA JICARILLA A				°Well Number 4A		
'0GRID No. 14538 BURLINGT			NGTON F	°Operator Name RESOURCES OIL & GAS COMPANY, LP				*Elevation 7019	
					¹⁰ Sunface	Location			
UL or lot no.	Section 24	Township 25N	Range 4W	Lot Idn	Feet from the	North/South line NORTH	Feet from the	East/West lin	County RIO ARRIBA
		11 E	Bottom	Hole L	ocation I	TO THE CITE	From Surf	ace	
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West lin	e County
Dedicated Acres MV 320 ac W2 PC 160 NW4			¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.				
NO ALLOW	IABLE W	ILL BE A OR A	ASSIGNEI NON-ST	D TO TH	IS COMPLETION UNIT HAS BE	ON UNTIL ALL EN APPROVED I	INTERESTS H BY THE DIVI	IAVE BEEN SION	CONSOL IDATED
16 <u>O</u> <u>M</u>	/ AT	36 *23 3268		73.40			I hereby containe	certify that to deep in is truest of my know	RTIFICATION the information the and complete ledge and belief



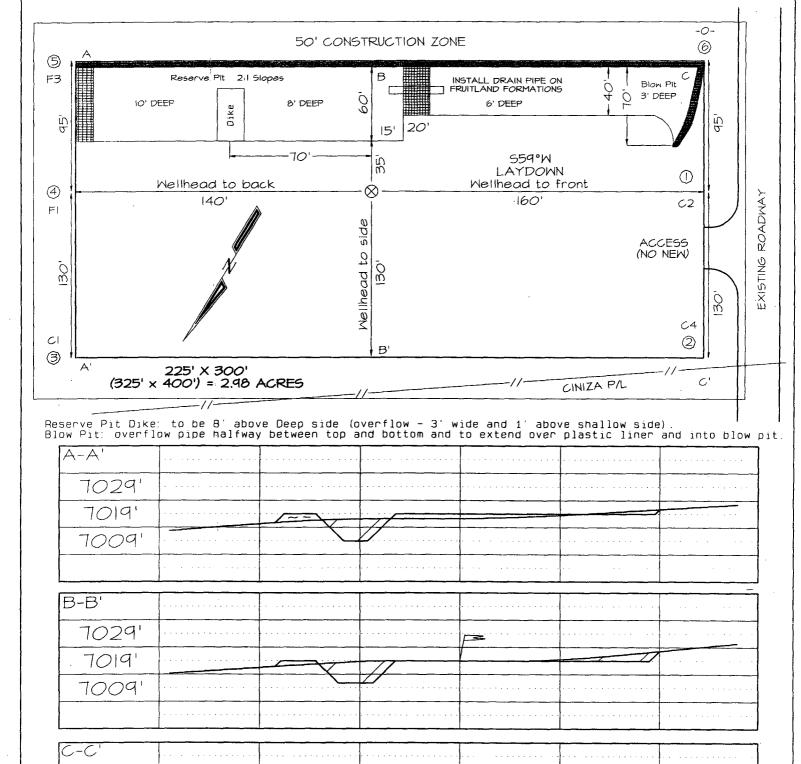
Submit 3 Copies To Appropriate District Office	State of New Mexico)		Form C-103
District I	Energy, Minerals and Natural Re	sources	WELL API NO.	May 27, 2004
1625 N. French Dr., Hobbs, NM 88240 District II			30-039	30045
1301 W. Grand Ave., Artesia, NM 88210 District III	OIL CONSERVATION DIV		5. Indicate Type of Lease STATE FE	
1000 Rio Brazos Rd., Aztec, NM 87410	1220 South St. Francis D Santa Fe, NM 87505	т. 	6. State Oil & Gas Lease No.	
District IV	,		Amonto #124	
	ES AND REPORTS ON WELLS		7. Lease Name or Unit Agreement I	Name
(DO NOT USE THIS FORM FOR PROPOSALS DIFFERENT RESERVOIR. USE "APPLICATIO	FO DRILL OR TO DEEPEN OR PLUG BACK TO A N FOR PERMIT" (FORM C-101) FOR SUCH	i	Arizona Jicarilla	_
PROPOSALS.)	(, , , , , , , , , , , , , , , , , , ,			
1. Type of Well: Oil Well Gas Well X	Other		8. Well Number #4A	f
2. Name of Operator			9. OGRID Number	
BURLINGTON RESO 3. Address of Operator	URCES OIL & GAS COMPANY LP		10. Pool name or Wildcat	
3401 E. 30TH STR	EET, FARMINGTON, NM 87402		Blanco Mesaverde/ Blanco Pictu	red Cliffs South
4. Well Location Unit Letter E: 1	graduate 330 feet from the North li	ne and	810° feet from the West	t line
Section 24	Township 25N Rng	4W	NMPM County	Rio Arriba
	Elevation (Show whether DR, RKB, RT, GR, 7019'	, etc.)		
Pit or Below-grade Tank Application	or Closure			
Pit type new drill Depth to Groundwa			>1000' Distance from nearest surface	ce water <100'
Pit Liner Thickness: 12	mil Below-Grade Tank: Volume		bbls; Construction Material	
NOTICE OF IN	Appropriate Box to Indicate Natur	e of Noti	· •	٥٢.
PERFORM REMEDIAL WORK	ra	REMEDIAL	SUBSEQUENT REPORT (OF: RING CASING
TEMPORARILY ABANDON	CHANGE PLANS	COMMENC	CE DRILLING OPNS. 🔲 PANE	
PULL OR ALTER CASING	MULTIPLE COMPL	CASING/C	EMENT JOB	
OTHER: New D	ill Pit X	OTHER:		
	d operations. (Clearly state all pertinent det SEE RULE 1103. For Multiple Completion			
or recompletion.	SEE ROLE 1103. For Multiple Completion	ons. Attaci	n wenoore diagram of proposed com	pietion
New Drill, Lined:				
New Diffi, Effed.				
	struct a new drilling pit and an associated			
	new drilling pit will be a lined pit as detailed at 11, 2004 on file at the NMOCD office. A			
	sk ranking criteria. Burlington Resources			
Pit Closure Procedure dated August 2		•		Ü
•				
I hereby certify that the information about	ve is true and complete to the best of my kn	owledge an	d belief. I further certify that any pit or	below-
grade tank has been/will be constructed or close	d according to NMOCD guidelines, a general	permit X	or an (attached) alternative OCD-approve	d plan .
SIGNATURE MANAGE	TITLE	Reg	ulatory Analyst DATE	E 5/15/2006
Type or print name Amanda For State Use Only	Sandoval E-mail address: as	sandoval@	<u>Obr-inc.com</u> Telephone No.	505-326-9891
4		YORAG	AS INSPECTOR, DIST. @ DATE	DEC OF 2000
APPPROVED BY Conditions of Approval (if any):	TITLE		DATE	<u> </u>
Conditions of Approval (II ally):	VInefable avea, pit	stobe	eclosed accordingl	9
•	-		1	,

7029'

7019' 7009'

BURLINGTON RESOURCES OIL & GAS COMPANY, LP ARIZONA JICARILLA A #4A, 1330' FNL & \$10' FWL SECTION 24, T25N, R4W, NMPM, RIO ARRIBA COUNTY, NM GROUND BLEVATION: 7019' DATE: JULY 7, 2006

LATITUDE: 36.38879° N LONGITUDE: 107.20956° W DATUM: NADI983



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: Arizona Jicarilla A 4A

Location: 1330'FNL, 790' FWL, Section 24, T-25-N, R-4-W

Rio Arriba County, New Mexico

Latitude 36° 23.3268', Longitude 107° 12.5415'

Formation: Blanco Mesaverde/Blanco Pictured Cliffs South

Elevation: 7019'GL

Formation Tops:	Top	Bottom	Contents
Surface	San Jose	3038′	
Ojo Alamo	3038′	3113'	aquifer
Kirtland	3113'	3339'	gas
Fruitland	3339′	3441'	gas
Pictured Cliffs	3441'	3553'	gas
Lewis	3553 <i>'</i>	3846′	
Huerfanito Bentonite	3846′		
Chacra	4342'	5139'	gas
Cliff House	5139'	5158'	gas
Menefee	5158'	5592'	gas
Point Lookout	5592'	5992'	gas
TD	5992'		-

Logging Program:

Mud Logs/Coring/DST -

Mud logs - none

Coring - none

DST - none

Open hole - none

Cased hole - Gamma Ray - surface to TD

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 320'		8.4-9.0	40-50	no control
320'- 5992'	LSND	8.4-9.0	30-60	no control

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

Hole Size	Depth Interval	Csg.Size Wt.	Grade
12 1/4"	0' - 320'	8 5/8" 24.0#	J-55
7 7/8"	0' - 5992'	4 1/2" 10.5#	J-55

Tubing Program: 0' - 5992' 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, BOPE 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, BOPE 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 -

 $8 \ 5/8$ " 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:

8 5/8" surface casing conventionally drilled Cement with 321 sacks Type III cement with 0.25 pps Celloflake, 3% calcium chloride.
(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.

4 1/2" Production Casing Two Stage - 55
Stage collar set @ 4445'. First Stage: Lead with w/of sacks Premium Lite HS FM cmt w/0.25 pps celloflake, 0.3% CD-32, 6.25 pps LCM-1 and 1% FL-52. Second Stage: 590 sacks Premium Lite cmt w/3% calcium chloride, 0.4% metasilicate, 0.25 pps celloflake, 5 pps LCM-1 and 0.4% FL-52. (2017 cu ft - 50% excess, circulate to surface, run CBL/temperature survey if cement is not circulated to surface.)

Cement nose guide shoe on bottom with float collar spaced on top of shoe joint. Bowspring centralizers spaced every fourth joint off bottom, to the base of the Ojo Alamo @ 3113'. Two turbolating centralizers at the base of the Ojo Alamo 3113'. Bowspring centralizers spaced every fourth joint from the base of the Ojo Alamo to the base of the surface casing.

Note: If open hole logs are run, cement volumes will be based on 25% excess over caliper volumes.

If hole conditions permit, an adequate water spacer will be pumped ahead of each cement job to prevent cement/ mud contamination or cement hydration.

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 -

 $8 \ 5/8$ " 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:

8 5/8" surface casing conventionally drilled Cement with 321 sacks Type III cement with 0.25 pps Celloflake, 3% calcium chloride.
(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.

4 1/2" Production Casing Two Stage Stage collar set @ 4445'. First Stage: Lead with w/61 sacks Premium Lite HS FM cmt
w/0.25 pps celloflake, 0.3% CD-32, 6.25 pps LCM-1 and 1% FL-52. Second Stage: 590
sacks Premium Lite cmt w/3% calcium chloride, 0.4% metasilicate, 0.25 pps celloflake,
5 pps LCM-1 and 0.4% FL-52. (2017 cu ft - 50% excess, circulate to surface, run
CBL/temperature survey if cement is not circulated to surface.)

Cement nose guide shoe on bottom with float collar spaced on top of shoe joint. Bowspring centralizers spaced every fourth joint off bottom, to the base of the Ojo Alamo @ 3113'. Two turbolating centralizers at the base of the Ojo Alamo 3113'. Bowspring centralizers spaced every fourth joint from the base of the Ojo Alamo to the base of the surface casing.

Note: If open hole logs are run, cement volumes will be based on 25% excess over caliper volumes.

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.

Special Drilling Operations (Air/Mist Drilling):

- 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 Mesaverde and Pictured Cliffs 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 24 is dedicated to the Mesaverde formation and the northwest quarter of Section 24 is dedicated to the Pictured Cliffs formation.
- This gas is dedicated.

Drilling Engineer Date