UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

	Type of Work 2005 MM 10 97 4 09		
a.	Type of Work DRILL	5. Lease Number NMSF-077	000
	RECEIVED		-
		Unit Reporting N	umper
h	Type of Well	& Ifindian All or T	riba
b.	Type of Well GAS	6. If Indian, All. or T	Tibe
	JIII	<i>ુ</i> }	
	Operator 5005	7. Unit Agreement	lame
-	BURLINGTON STORY		
	RESCURCES Oil & Gas Company	53	
	Address & Phone No. of Operator	8. Farm or Lease Na	ame
	PO Box 4289, Farmington, NM 87499	Lackey A	
	We Ola Ola Labor	9. Well Number	
	(505) 326-9700	#293	
	Landing & Wall	40 Field Deel Wile	14
•	Location of Well Unit K (NESW), 1755' FSL, 1580' FWL	10. Field, Pool, Wild Basin Fruitland	
			·•
	WCZ	qWlOw/1; Fruitland S	ance
		11. Sec., Twn, Rge,	Mer. (NMPM)
	Latitude 36° 44.2350'N	K Sec. 12, T29N,	R10W
	Longitude 107° 50.3715'W	• •	
		API# 30-045-33	094
4.	Distance in Miles from Nearest Town	12. County	13. State
	1.6 miles to the Post Office in Blanco, NM	San Juan	NM
5.	Distance from Proposed Location to Nearest Property or Leas	se Line	
	1580'		
6.	Acres in Lease	17. Acres Assigned	to Well
		FG-156.42 SW/4	
		FC-315.56 W/2	
	Distance from Drawood Location to Name of Well Date Comme	al an Amelical for an thin I	
8.	Distance from Proposed Location to Nearest Well, Drlg, Comp 830' - Lackey A #2	or Applied for on this Li	ease
9.	Proposed Depth	20. Rotary or Cable	Tools
٠.	2381'	Rotary	. 5010
		<u>-</u>	
21.	Elevations (DF, FT, GR, Etc.)	22. Approx. Date W	ork will Start
	5759'GL	- •	
23.	Proposed Casing and Cementing Program		
	See Operations Plan attached		
	Autoritary Law 1 Sa Love D	K-1	16-05
	Authorized by: Amanda Qandoral	 _	
	·	II Da	LE
	Regulatory Compliance Assistant		
	·		
24.	·		
24. PERM	Regulatory Compliance Assistant APPROVA	L DATE	- 7-/-A
4. ERM	Regulatory Compliance Assistant	L DATE	те <u>7-/-</u> 0

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.

This action is subject to technical and precedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

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



DISTRICT I 1625 N. French Dr., Hobbs, N.H. 88240

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised August 15, 2000

DISTRICT II 811 South First, Artesia, N.M. 88210

DISTRICT III 1000 Rio Brezos Rd., Aztec, N.M. 87410 OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505 Submit to Appropriate District Office State Lease — 4 Copies Fee Lease — 3 Copies

☐ AMENDED REPORT

DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87805

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	Pool Code Pool Name				
30-045- 33094 71629 / 97464			Basin Fruitland Coal/WC: 229N 10	W12 Fruitland Sand	
⁴ Property Code		⁶ Property Name			
7238		LACKEY A 293			
OGRID No.		^o Operator Name ^o Ele			
14538		BURLINGTON RESOURCE	S OIL AND GAS COMPANY LP	5759'	

¹⁰ Surface Location

,	UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	K	12	29-N	10-W		1755'	South	1580'	West	SAN JUAN

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K									
Dedicated Acre	8		¹⁸ Joint or	İnfill	¹⁴ Consolidation (ode :	¹⁶ Order No.		
FS-156.42	2 SW/4		ļ						İ
FC-315.56	6 W/2		ł		[

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

LOT 4	LOT 3	LOT 2	LOT 1	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein, is true and complete to the best of my knowledge and better
USA SE	-077092 LOT 6	LOT 7	JUL 2005	Signature Patsy Clugston Frinted Name Sr. Regulatory Specialist Title 4-4-05
LOT 12	LAT: 35'44.2350' N. LONG: 107'50.3715' W. NAD 1987	2 LOT 10	LOT 9	Date 18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same to true and correct to the best of my belief. Date of Survey
## LOT 13 N 89-22-2833.		CBAI	NGVE CIO	Signature of the ME of Brown 15703 Cortificate Sumber 15703

HIJTIMES OF CABITES ON MEIT IND MAD ON ACCESS INOUD AT LEAST TIMO (2) MOSKING DAYS PRIOR TO CONSTRUCTION.

CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED ON JUMPARKED INVIED

NOTE: VECTOR SURVEYS IS NOT LIABLE FOR JUMPARKEDOVIND VILLITIES ON PIPETINES.

LACKEY A #293, 1755' FSL & 1580' FWL

HON 12, T-29- N, R-10-W, NMPM, SAN JUAN COUNTY, NM

GROUND ELEVATION: 5759', DATE: MARCH 18, 2005 SO' CONSTRUCTION ZONE <u>ဂို</u>မ AYDOWN SOS'E (T) tage to front *,*09 32, EXISTING ACCESS ROAD Wellhead to back 205' X 240' DIKE REAR 110, SECTION 12, ₹.

BURLINGTON RESOURCES OIL & GAS COMPANY LP

LATITUDE: 36' 44.2550' LONGITUDE: 107' 50.5715' NAD27

RESERVE INT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND I' ABOVE SHALLOW SIDE).

BURLINGTON RESOURCES OIL & GAS COMPANY LP LACKEY A #293, 1755' FSL & 1580' FWL SECTION 12, T-29- N, R-10-W, NMPM, SAN JUAN COUNTY, NM GROUND ELEVATION: 5759', DATE: MARCH 18, 2005

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ELEV. C'-C	5
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CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPLING ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION. NOTE: VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.

Office	State of New Mexico	Form C-103
District I	Energy, Minerals and Natural Resources	May 27, 2004
1625 N. French Dr., Hobbs, NM 88240	Energy, management in the result of the resu	WELL API NO.
District II		30-045-
1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATION DIVISION	5. Indicate Type of Lease
District III	1220 South St. Francis Dr.	STATE FEE
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, NM 87505	6. State Oil & Gas Lease No.
<u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 8750:	5	NMSF-077092
	S AND REPORTS ON WELLS	7. Lease Name or Unit Agreement Name
	O DRILL OR TO DEEPEN OR PLUG BACK TO A	7. Deade Name of Chitrigreement Name
DIFFERENT RESERVOIR. USE "APPLICATION	N FOR PERMIT" (FORM C-101) FOR SUCH	Lackey A
PROPOSALS.)		
1. Type of Well:		8. Well Number
Oil Well Gas Well X	Other	293
2. Name of Operator	TO CES ON A CAS COMPANYIN	9. OGRID Number
3. Address of Operator	JRCES OIL & GAS COMPANY LP	14538
	ET, FARMINGTON, NM 87402	Basin Fruitland Coal/ Fruitland Sands
4. Well Location		A SALABAN SOME A MANIMA SHAME
Unit Letter K 1	155 feet from the South line and	1580 feet from the West line
Section 12	Township 29N Range 10W	NMPM County San Juan
11. E	Elevation (Show whether DR, RKB, RT, GR, etc.)	Company of the Compan
Pit or Below-grade Tank Application X	or Closure 5759'	
i		
Pit type New Drill Depth to Groundwa		>1000' Distance from nearest surface water >1000'
Pit Liner Thickness: na	mil Below-Grade Tank: Volume	bbls; Construction Material
12. Check A	ppropriate Box to Indicate Nature of Not	ice, Report or Other Data
NOTICE OF IN		SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK	PLUG AND ABANDON REMEDIA	The second secon
TEMPORARILY ABANDON		CE DRILLING OPNS. P AND A
PULL OR ALTER CASING	 	EMENT JOB
		_
OTHER: New Dr		<u> </u>
	operations. (Clearly state all pertinent details, and gi	
	SEE RULE 1103. For Multiple Completions: Attac	th wellhore diggram of proposed completion
or recomplation	• •	in wencere diagram of proposed completion
or recompletion.	•	n wencere diagram of proposed completion
or recompletion.	• •	n wencere diagram of proposed completion
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Burlington Resources proposes to the Ecosphere's risk ranking criter	construct a new drilling pit and an associated ven ia, the new drilling pit will be a lined pit as detaile	t/flare pit. Based on Burlington's interpretation of ed in Burlington's Revised Drilling / Workover Pit
Burlington Resources proposes to o the Ecosphere's risk ranking criter Construction / Operation Procedu	construct a new drilling pit and an associated vent ia, the new drilling pit will be a lined pit as details res dated November 11, 2004 on file at the NMOC	t/flare pit. Based on Burlington's interpretation of ed in Burlington's Revised Drilling / Workover Pit CD office. A portion of the vent/flare pit will be
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Burlington Resources proposes to of the Ecosphere's risk ranking criter Construction / Operation Procedured designed to manage fluids and that pits according to the Drilling / World I hereby certify that the information about grade tank has been/will be constructed or closed SIGNATURE Type or print name Amanda For State Use Only	construct a new drilling pit and an associated ventia, the new drilling pit will be a lined pit as detailers dated November 11, 2004 on file at the NMOC portion will be lined as per the risk ranking crite kover Pit Closure Procedure dated August 2, 200 re is true and complete to the best of my knowledge a according to NMOCD guidelines, a general permit	AS INSPECTOR, DIST. 38 UCL - 5 2005
Burlington Resources proposes to of the Ecosphere's risk ranking criter Construction / Operation Procedur designed to manage fluids and that pits according to the Drilling / World I hereby certify that the information aborgrade tank has been/will be constructed or closer SIGNATURE Amanda	construct a new drilling pit and an associated ventia, the new drilling pit will be a lined pit as detailers dated November 11, 2004 on file at the NMOC portion will be lined as per the risk ranking crite kover Pit Closure Procedure dated August 2, 200 re is true and complete to the best of my knowledge a according to NMOCD guidelines, a general permit	Thare pit. Based on Burlington's interpretation of ed in Burlington's Revised Drilling / Workover Pit CD office. A portion of the vent/flare pit will be ria. Burlington Resources anticipates closing these 4 on file at the NMOCD office. Industry Assistant II DATE 5/10/2005 Description of the vent/flare pit will be ria. Burlington Resources anticipates closing these are not provided in the second of the vent/flare pit will be ria. Burlington Resources anticipates closing these ria. Burlington Resources anticipates ria. Burlington Resources ria. Burlington Re

OPERATIONS PLAN

Well Name:

Lackey A #293

Location:

Unit K (NE/SW) 1755' FSL & 1580' FWL, Section 12, T29N, R10W

San Juan County, New Mexico

Latitude 36° 44.2350'N; Longitude 107° 50.3715'W

Formation:

Basin Fruitland Coal/ Fruitland Sands

Elevation:

5759' GR

Formation:	Тор	Bottom	Contents
Surface	San Jose		
Ojo Alamo	1048'		
Kirtland	1146'	1993'	gas
T/Fruitland	1993'		gas
B/Fruitland Coal	2181'		gas
Pictured Cliffs	2193'		-
Total Depth	2381'		

Note: The Total Depth for this well is into the Pictured Cliffs interval, but currently only have plans to complete the Fruitland Coal interval. We could in the near future perforate/stimulate the Pictured Cliffs interval, but only would once Regulatory approval was asked for and received.

Logging Program: Newton-Density to surface.

Mud Program:

<u>Interval</u>	Type, Weigh	nt <u>Vis. Fluid Loss</u>
0- 120'	Type Spud air air-must 8.4-8.5	40-50 no control
120-2381'	Non-dispersed 8.4-9.5	

Casing Program:

<u>Hole Size</u>	Depth Interval	<u>Csq.Size</u>	<u>W+.</u>	<u>Grade</u>
8 ≩ "	0 - 120'	7"	20.0#	J-55
6 1 "	0 - 2381'	4 1/2"	10.5#	J/K-55

Tubing Program:

0 - 2381' 2 3/8" 4.7# J-55

Float Equipment: 7" surface casing - guide shoe. Centralizers will be run in accordance with Onshore Order #2.

4 1/2" production casing - float shoe and float collar on bottom. Centralizers run every third joint above shoe to the base of the Ojo Alamo @ 1146'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1146'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: $7" \times 41/2" \times 23/8" \times 11"$ 2000 psi xmas tree assembly.

Cementing:

7" surface casing Pre-Set Drilled - Cement with Type I, II cement with 20% flyash mixed at 14.5 ppg, 1.61 cu ft per sack yield. (Bring cement to surface). Wait on cement for 24 hours for pre-set holes before pressure testing or drilling out from under surface.

7" surface casing - Cement with <u>42</u> sx Type III cement with 0.25 pps Celloflake, 3% CaCl. (<u>54</u> cu ft of slurry @ 1.28 yield). 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. **WOC until cement establishes 250 psi compressive strength prior to NU of BOPE**.

4 1/2" production casing - Cement with <u>113</u> sx (<u>241</u> cu ft of slurry @ 2.13 yield) Premium Lite with 3% calcium chloride, 5 pps LCM-1, and 1/4#/sack celloflake, 0.4% FL-52, & 0.4% SMS. Tail with 90 sacks (124 cu ft of slurry @ 1.38 yield) Type III cmt with 1% calcium chloride, 1/4#/sack Celloflake and 0.2% FL-52. Total of <u>366</u> cf - 50% excess to circulate to surface.

BOP and tests:

Surface to TD - 11" 2000 psi (minimum double gate BOP stack (Reference Figure #1 and #2). Prior to drilling out surface casing, test rams to 600 psi/30 min.

Completion - 6" 2000 psi (minimum) double gate BOP stack (Reference Figure #2). Prior to completion operations, test rams and casing to 1500 psi/30 min.

From surface to TD - choke manifold (Reference Figure #3).

Pipe rams will be actuated at least once each day and blind rams actuated once each trip to test proper functioning. An upper kelly cock valve with handle and drill string safety valves to fit each drill string will be maintained and available on the rig floor.

Additional information:

- * The Fruitland Coal formation will be completed.
- * Anticipated pore pressure for the Fruitland is between 600 700 psi.
- * This gas is dedicated.
- * The west half of the section is dedicated to Fruitland Coal and SW/4 is dedicated to Fruitland Sands for this well.
- New casing will be utilized.
- * Pipe movement (either rotation or reciprocation) will be done if hole conditions permit.

Drilling Engineer	>	4-19-05
Drilling Engineer	0	Date

BURLINGTON RESOURCES

CompletionWorkover Rig BOP Configuration 2,000 psi System

Drilling Rig Choke Manifold Configuration 2000 pel System

Burlington Resources

2000 psi System

RO PLOOR

ROTATING MEAG.

BOT OF THE S

Oriting Rig

THOU T 3

ž

DOVELE GATE

Choice manifold installation from Surface Cesting Point to Total Depth. 2,000psi working pressure equipment with two chokes.

Figure #3

4-20-01

Figure #

essure double gate BOP to be equipped with blind and ripe rams. A stripping head to be installed on the top of

pressure or greater excluding 500 psi shipping head.

Figure #2

he BOP. At BOP equipment is 2000 pat working

Operations. 7-1/16" bore, 2000 pel minimum working

Minimum BOP installation for all Comptation/Works

4-20-01