UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

a.	Type of Work	5. Lease Number
a.	DRILL	DEIVED NMSF-078884
	070 FAR	MINGTON HM Unit Reporting Number
	·	NMNM -078385D
b.	Type of Well	6. If Indian, All. or Tribe
	GAS /	
	Operator	111 2000 7 Unit Agreement Name
•	BURLINGTON	JUL 2000 Sign Adjustment regula
	RESOURCES Oil & Gas Company	Canyon Largo Unit
	Address & Phone No. of Operator	8. Farm or Lease Name
	PO Box 4289, Farmington, NM 874	
	``	9. Well Number
	(505) 326-9700	#409E
	Location of Well	10. Field, Pool, Wildcat
•	Unit I (NESE), 1650' FSL, 1220' F	
	23 0222/N	11. Sec., Twn, Rge, Mer. (NMPM)
	Latitude 360 23.8333'N	\[\]Sec. 15, T25N, R6W
	Longitude 107° 26.9540'W	API# 30-039-29959
4.	Distance in Miles from Nearest Town	12. County 13. State
٠.	52 miles to Bloomfield, NM	Rio Arriba N
5.	Distance from Proposed Location to Nearest Pro	pperty or Lease Line
6.	Acres in Lease	17. Acres Assigned to Well
		320 E2
8.	Distance from Proposed Location to Nearest W	ell, Drlg, Compl, or Applied for on this Lease
_	56'- Canyon Largo Unit #69	
9.	Proposed Depth	20. Rotary or Cable Tools
	6983′	Rotary
1.	Elevations (DF, FT, GR, Etc.)	22. Approx. Date Work will Start
	6556'GL	
3.	Proposed Casing and Cementing Program See Operations Plan attached	
	see Operations Fram accadined	
	1 10-	1
24.	Authorized by: Aumana San	lo 14-06
	Regulatory Analyst	Date
		
EDAA	IT NO.	APPROVAL DATE
CLIM	TAIN.	AFFROVAL DATE
\PPR(OVED BY STATELLA THILL	E AFM DATE 6/38/0
	7	7

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 I 1625 N. French Dr., Hobbs, N.M. 86240

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-10 Revised October 12, 200

DISTRICT II
1301 West Grand Avenue, Artesia, N.M. 88210

OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

Submit to Appropriate District Offic State Lease - 4 Copic Fee Lease - 3 Copic

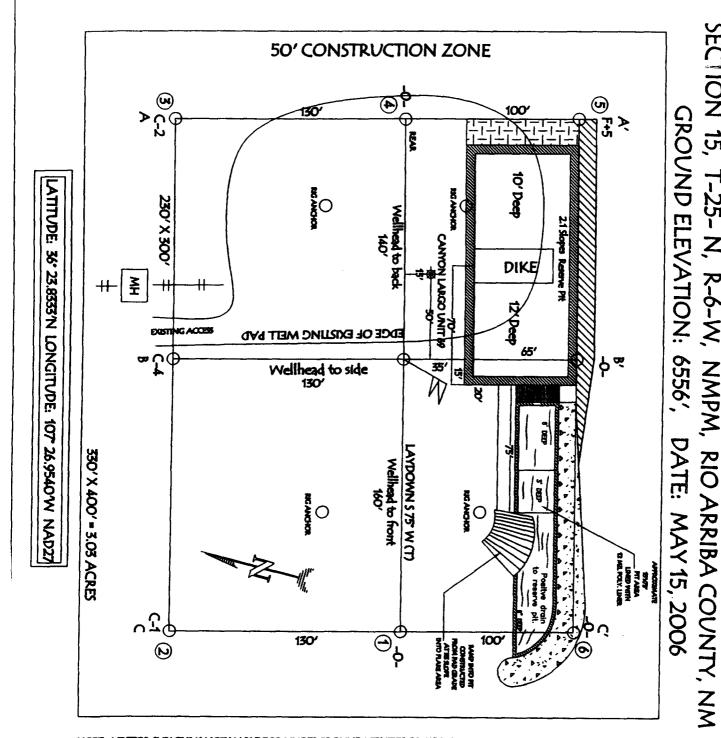
DISTRICT III 1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

☐ AMENDED REPOR

		W	ELL L	OCATIO	N AND A	CREAGE DED	ICATIO	N PL	AT		
API Number 30-039- 2959 Pool Code 71599 Basin Dakota											
⁴ Property Code			Proper CANYON LAR	operty Name				ell Number 409E			
14538). 		BURLI	NGTON RE	•	erator Name S OIL AND GAS COMPANY LP					Elevation 6556
					10 Surfac	e Location					
UL or lot no.	Section 15	Township 25—N	Range 6-W	Lot Idn	Feet from the 1650'	North/South line SOUTH	Feet fr	SO, ow the	East/Wes EAS		County RIO ARRIBA
			11 Botto	om Hole	Location	If Different Fr	om Su	rface			
UL or lot no.	Section	Township	Range	Lot Idn	Peet from the	North/South line	Post fr	oun the	East/Wes	st line	County
Dedicated Acre		<u> </u>	²⁸ Joint or	Infill	14 Consolidation	Code	"Order	No.	<u> </u>		- L
<u> </u>						TON UNTIL ALL BEEN APPROVEI				EN CO	DNSOLIDATED
			1	5 —		USA SF-07888		f hereby cer is true and belief, and is a working is and tholudi has a right to a contral is a compul tirtion.	otify that the complete to that this cry management or un management to drill the to with one to the total	information in the best of anticased rates and bottom well at the order here	IFICATION on contained herein of my knowledge and other owns even interest in the hole location or te location pursuant on a mineral or ry pooling agreement tofore entered by the
				LONG: 10 NAD 192 LAT: 36'2 LONG: 10 NAD 198	23'50.0" N. 27'28'59.4" W.	1220' 1650'	N C OJ. 13" W	hereby certificate in the contract to the cont	the that the from field not may supervise the best of	well location and the may belief	

Submit 3 Copies To Appropriate District 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	3 7,	WELL API NO.	950
District II 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATION DIVISION	5. Indicate Type of Lease	13 1
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.	
District IV	•	ND 40F 070004	ł
1220 S. St. Francis Dr., Santa Fe, NM 8750	ES AND REPORTS ON WELLS	NMSF-078884 7. Lease Name or Unit Agreement Name	
	TO DRILL OR TO DEEPEN OR PLUG BACK TO A	7. Louis Prairie of Clift Agreement Prairie	1
DIFFERENT RESERVOIR. USE "APPLICATIO	N FOR PERMIT" (FORM C-101) FOR SUCH	Canyon Largo Unit	
PROPOSALS.) 1. Type of Well:		8. Well Number	
Oil Well Gas Well X	Other	409E	
2. Name of Operator		9. OGRID Number	
BURLINGTON RESO 3. Address of Operator	URCES OIL & GAS COMPANY LP	14538 10. Pool name or Wildcat	
	EET, FARMINGTON, NM 87402	Basin Dakota	İ
4. Well Location			
	650' feet from the South line and Township 25N Rng 6W	1220' feet from the East	line
Section 15	Township 25N Rng 6W Elevation (Show whether DR, RKB, RT, GR, etc.)	NMPM County R	io Arriba
	6556'		
Pit or Below-grade Tank Application	or Closure		>2001
Pit type New Drill Depth to Groundw	ater >100' Distance from nearest fresh water well	>1000' Distance from nearest surface wat	ter >1000
Pit Liner Thickness: N/A	mil Below-Grade Tank: Volume	bbls; Construction Material	
PERFORM REMEDIAL WORK TEMPORARILY ABANDON PULL OR ALTER CASING OTHER: New D 13. Describe proposed or complete of starting any proposed work) or recompletion. New Drill, Unlined: Burlington Resources proposes to con Ecosphere's risk ranking criteria, the	PLUG AND ABANDON REMEDIA CHANGE PLANS COMMEN	SUBSEQUENT REPORT OF: L WORK CE DRILLING OPNS. CEMENT JOB give pertinent dates, including estimated datch wellbore diagram of proposed completion of proposed completion as detailed in Burlington's Revised Dril	ate on
designed to manage fluids, and that paccording to the Drilling / Workover I hereby certify that the information about	ortion will be unlined, as per the risk ranking criteria. Pit Closure Procedure dated August 2, 2004 on file the control of th	Burlington Resources anticipates closing nat the NMOCD office.	these pits
		gulatory Analyst DATE @br-inc.com Telephone No. 505	-326-9700
For State Use Only	III 10		и оз 200 6
APPPROVED BY Conditions of Approval (if any):	TITLE DEPUTY OIL &	GAS INSPECTOR, DIST. & DATE	<u> </u>



NOTE: VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.

CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED

PIPLINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

BURLINGTON RESOURCES OIL & GAS COMPANY LP SECTION 15, T-25- N, R-6-W, NMPM, RIO ARRIBA COUNTY, NM GROUND ELEVATION: 6556', DATE: MAY 15, 2006 CANYON LARGO UNIT 409E, 1650' FSL & 1220' FEL

6575	\frac{1}{2}
6565	
6555	
6545	
ELEV. B'-B	5
6575	
6565	7
6555	7
6545	
ELEV. C'-C	ζt
6575	
6565	
6555	
6545	

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

OPERATIONS PLAN

Well Name: Canyon Largo Unit 409E

Location: 1650'FSL, 1220' FEL, Section 15, T-25-N, R-6-W

Rio Arriba County, New Mexico

Latitude 36° 23.8333', Longitude 107° 26.9540'

Formation: Basin Dakota

Elevation: 6556'GL

Formation Tops:	Top	Bottom	Contents
Surface	San Jose	2062'	
Ojo Alamo	2062'	2118'	aquifer
Kirtland	2118'	2396'	gas
Fruitland	2396′	2565′	gas
Pictured Cliffs	2565'	2607'	gas
Lewis	2607'	2931'	
Huerfanito Bentonite	2931'		
Chacra	3401'	4121'	gas
Cliff House	4121'	4159'	gas
Menefee	4159'	4743'	gas
Point Lookout	4743'	5154'	gas
Mancos	5154'	5804'	
Gallup	5804'	6696 <i>'</i>	gas
Greenhorn	66961	6751'	gas
Graneros	6751'	6806'	gas
Two Wells	6806 <i>'</i>	6891′	gas
Upper Cubero	6891'	6925′	gas
Lower Cubero	6925 <i>'</i>	6951'	gas
Oak Canyon	6951′	6993 <i>'</i>	gas
Encinal	6993′	6983′	gas
TD	6983′		

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'	Spud MUD/Air/Air Mist	8.4-9.0	40-50	no control
320'- 6983'	LSND			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' - 6983'	4 1/2" 10.5#	J-55

Tubing Program: 0' - 6983' 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.

Stage collar set @ 4593'. First Stage: Lead with w/264 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: 496 sacks Premium Lite cmt w/3% calcium chloride, 0.4% metasilicate, 0.25 pps celloflake, 5 pps LCM-1 and 0.4% FL-52. (2356 cu ft - 50% excess, circulate to surface, run CBL/temperature survey if cement is not circulated to surface.)

Stage 1: 2.2% from Stage 2: 2.13 from I2.1 ppg
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 @ 2118'. Two turbolating centralizers at 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 Dakota 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 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 east half of Section 15 is dedicated to the Dakota formation.
- This gas is dedicated.

prilling Enganeer Date Date

Driting Rig Choke Menifold Configuration 2000 pel System

Burlington Recources

2000 psi System

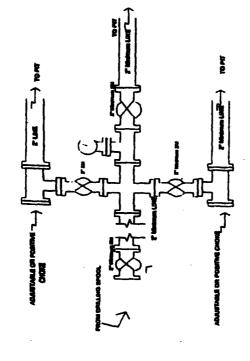
A20 PLOOP

ROTATING MEAD

PPLLUP LINE

Drilling Rig

BURLINGTON RESOURCES



ŗ

DOVELE GATE

Point to Total Depth. 2,000pel working pressure Choke menifold installation from Burthon Casin equipment with two chokes.

Figure #3

10-02-4

Figure 21

pe rama. A stripping head to be installed on the top of persitions. 7-1/16" bore, 2000 pel minimum working pressure or greater excluding 600 pel ettipping head. he BOP. All BOP equipment is 2000 pet working Minimum BOP tratalistion for all Completion-Wor nautro droublés gata 80P to be equip

10-02-4