UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

	Type of Work	5. Lease Number
	DRILL	NMNM-03017
		Unit Reporting Number
lb.	Type of Well	6. If Indian, All. or Tribe
	GAS	
2.	Operator Publication	7. Unit Agreement Name
	BURLINGTON RESOURCES Oil & Gas Company MAY 2005	Huerfano Unit
3.	Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499	Farm or Lease Name
	(505) 326-9700	*
4.	Location of Well	10. Field, Pool, Wildcat
	Unit A (NENE), 930' FNL & 970' FEL,	Basin Fruitland Coal/ WC Fruitland Sands
		MC Fruitland Sands 11. Sec., Twn, Rge, Mer. (NMPM)
	Latitude 36° 29.5815'N	, Sec. 18, T26N, R9W
	Longitude 107° 49.4047'W	API# 30-045- 33055
14.	Distance in Miles from Nearest Town	
14.	24 miles	12. County 13. State San Juan NM
15.	Distance from Proposed Location to Nearest Property or Lea	se Line
	930'	
16.	Acres in Lease	17. Acres Assigned to Well C - 320 E/2; FS - 160 NE/4
	Acres in Lease FO Distance from Proposed Location to Nearest Well, Drig, Com	C - 320 E/2; FS - 160 NE/4
18.	Acres in Lease	C - 320 E/2; FS - 160 NE/4
18.	Acres in Lease For Distance from Proposed Location to Nearest Well, Drlg, Com 902' Huerfano Unit #161E	pl, or Applied for on this Lease
18. 19.	Distance from Proposed Location to Nearest Well, Drlg, Com 902' Huerfano Unit #161E Proposed Depth 2299'	pl, or Applied for on this Lease 20. Rotary or Cable Tools
18. 19.	Acres in Lease FOR Distance from Proposed Location to Nearest Well, Drlg, Com 902' Huerfano Unit #161E Proposed Depth 2299'	pl, or Applied for on this Lease 20. Rotary or Cable Tools Rotary
16. 18. 19. 21.	Distance from Proposed Location to Nearest Well, Drlg, Com 902' Huerfano Unit #161E Proposed Depth 2299'	pl, or Applied for on this Lease 20. Rotary or Cable Tools Rotary
18. 19. 21.	Distance from Proposed Location to Nearest Well, Drlg, Com 902' Huerfano Unit #161E Proposed Depth 2299' Elevations (DF, FT, GR, Etc.) 6457' GL Proposed Casing and Cementing Program	pl, or Applied for on this Lease 20. Rotary or Cable Tools Rotary
18. 19. 21.	Distance from Proposed Location to Nearest Well, Drlg, Com 902' Huerfano Unit #161E Proposed Depth 2299' Elevations (DF, FT, GR, Etc.) 6457' GL Proposed Casing and Cementing Program	pl, or Applied for on this Lease 20. Rotary or Cable Tools Rotary 22. Approx. Date Work will Start
18. 19. 21. 23.	Distance from Proposed Location to Nearest Well, Drlg, Com 902' Huerfano Unit #161E Proposed Depth 2299' Elevations (DF, FT, GR, Etc.) 6457' GL Proposed Casing and Cementing Program See Operations Plan attached Authorized by: Sr. Regulatory Specialist	pl, or Applied for on this Lease 20. Rotary or Cable Tools Rotary 22. Approx. Date Work will Start
18. 19. 21. 23.	Distance from Proposed Location to Nearest Well, Drig, Com 902' Huerfano Unit #161E Proposed Depth 2299' Elevations (DF, FT, GR, Etc.) 6457' GL Proposed Casing and Cementing Program See Operations Plan attached Authorized by:	pl, or Applied for on this Lease 20. Rotary or Cable Tools Rotary 22. Approx. Date Work will Start

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 well is NOT in the HPA area.
This action is subject to technical and procedural 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.M. 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 Brazos Rd., Astec, N.M. 87410 OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

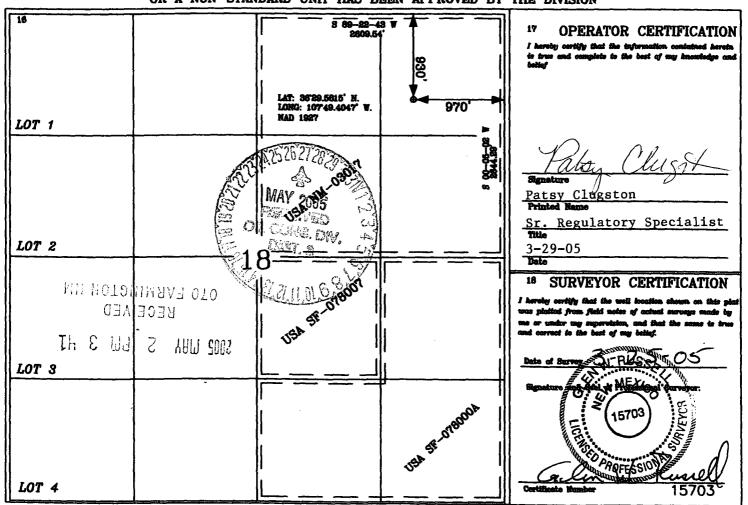
Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

☐ AMENDED REPORT

DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

30-045-	Number 330	55	7162	9 / 917	452 Bas	in Fruitland	Coal WC	26N&9W1	8/Fruitland Sa		
⁴ Property Code					⁶ Property	Name			⁰ Well Number		
7139	}	HUERFANO UNIT 37									
OGRID No					⁰ Operator	Name	Elevation				
14538	538 BURLINGTON RESOURCES OIL AND GAS COMPANY LP						INY LP		6457'		
					10 Surface	Location					
IL or lot no.	Section	Township					East/West I	East/West line County			
A	18	26-N 9-W 930' NO			NORTH	970'	EAST	SAN JUAN			
	· · · · · · · · · · · · · · · · · · ·		11 Botte	om Hole	Location 1	f Different Fro	om Surface				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West	ine County		
A Dedicated Acre			a Joint or	infill	¹⁴ Consolidation	Code	¹⁵ Order No.	<u>L</u>	l		
FC - 320		į									
FS - 160	NE/4				4		[
NO ALLOW	ABLE W	ILL BE A	SSIGNEI	TO THE	S COMPLETI	ON UNTIL ALL	INTERESTS I	HAVE BEE	N CONSOLIDATED		
		OR A N	ON-STA	NDARD I	THIT HAS RE	TEN APPROVED	חת שעיד עם	<i>T</i> IQION			

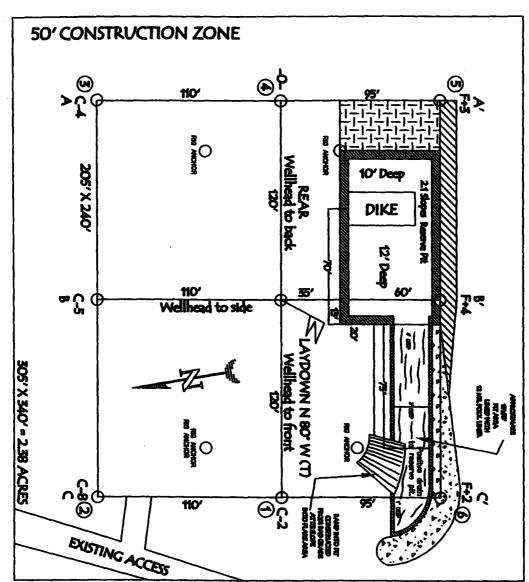


Submit 3 Copies To Appropriate District Office	State of New	v Mexico				F	Form C-103
District I	Energy, Minerals and	Natural Resou	rces				May 27, 2004
1625 N. French Dr., Hobbs, NM 88240 District II				WELL API NO.	30-0	45-	
1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVAT	TION DIVISI	ON	5. Indicate Type of STATE		1.5	
District III	District III 1220 South St. Francis Dr.				<u> </u>	FEE	
1000 Rio Brazos Rd., Aztec, NM 87410 District IV	Santa Fe, N	M 87505		6. State Oil & Gas	Lease No.		
1220 S. St. Francis Dr., Santa Fe, NM 8750:	5					MNM-0301	7
SUNDRY NOTICE (DO NOT USE THIS FORM FOR PROPOSALS T	S AND REPORTS ON WELL O DRILL OR TO DEEPEN OR PLUG			7. Lease Name or U	nit Agree	ment Name	ļ
DIFFERENT RESERVOIR. USE "APPLICATION					Huerfano	Unit	
PROPOSALS.)				8. Well Number			
1. Type of Well: Oil Well Gas Well X	Other			o. Wen Number	#37		Ì
2. Name of Operator				9. OGRID Number		_	
3. Address of Operator	JRCES OIL & GAS COMPAN	NY LP		10. Pool name or W	1453	8	
3401 E. 30TH STRE	ET, FARMINGTON, NM 874	102				/ Fruitland S	ands
4. Well Location	30' feet from the N	orth line a		970' feet from		East 1	ine
Unit Letter 18 93 Section 18	$\frac{80'}{\text{Township}} \qquad \frac{\text{N}}{26\text{N}}$		9W	970' feet from	Count		n Juan
The property of the property of the Fig.	levation (Show whether DR, R		.)				
Pit or Below-grade Tank Application	or Closure	457'					
Pit type new drill Depth to Groundwat	ter >100' Distance from ne	arest fresh water we	eli	>1000' Distance f	rom neares	t surface water	<1000'
Pit Liner Thickness: 12	mil Below-Grade Tank:	Volume		bbls; Construct	ion Materia	d	
12. Check A	ppropriate Box to Indic	cate Nature o	of Not	ice, Report or C	ther Da	ata	
NOTICE OF INT				SUBSEQUENT			
PERFORM REMEDIAL WORK	PLUG AND ABANDON			. WORK		ALTERING	CASING
TEMPORARILY ABANDON PULL OR ALTER CASING	CHANGE PLANS MULTIPLE COMPL			CE DRILLING OPNS EMENT JOB	· -	P AND A	Ц
					لسا		_
OTHER: New Dr		X OTH			11	·	
 Describe proposed or completed of starting any proposed work). 							1
or recompletion.	•	•		v		•	
New Drill, Lined:							
D 11 D							.•
Burlington Resources proposes to con Ecosphere's risk ranking criteria, the r			-			-	
Operation Procedures dated November							
that portion will be lined as per the ris			ipates o	closing these pits according	ording to	the Drilling /	Workover Pit
Closure Procedure dated August 2, 20	04 on file at the NMOCD offic	ce.					
•							
I hereby certify that the information above	ve is true and complete to the h	est of my knowle	edge ar	id helief I further care	tify that any	nit or helow-	
grade tank has been/will be constructed or closed							□.
Atolana States	()/118/			1			
SIGNATURE 1 CLUSY	TI TI	ITLE	Sr. Re	gulatory Specialist		DATE	4/1/2005
	Clugston E-mail a	ddress: pcluc	gston@	<u>Dbr-inc.com</u> Telep	hone No.		326-9518
For State Use Only	1/ ,	COMPANY ALL	a CA	s inspector, dist		MAY	27 2005
APPPROVED BY	TERRES STATES ALVEN IN	***	DATE	~ 2005			
APPPROVED BY TITLE DATE Conditions of Approval (if any).							
//							

LATITUDE: 36: 29:5815'

LONGITUDE: 107 49.4047' NAD27

JAN COUNTY, NM 1 16, 2005



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 HUERFANO UNIT 57, 950' FNL & 970' FEL SECTION 18, T-26- N, R-9-W, NMPM, SAN JUAN COUNTY, NM GROUND ELEVATION: 6457', DATE: MARCH 16, 2005

ELEV. A'-A	5
64.75	
2777	
2000	
6455	
6445	
ELEV. 8'-B	3.
6475	
4445	4
6455	
6445	
ELEV. C'-C	2
6475	
6465	
6455	
6445	

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.

OPERATIONS PLAN

Well Name:

Huerfano Unit #37

Location:

Unit A (NENW), 930' FNL & 970' FEL, Section18, T26N, R9W

San Juan County, New Mexico

Latitude 36° 29.5815'N; Longitude 107° 49.4047'W

Formation:

Basin Fruitland Coal

Elevation:

6457' GR

Formation:	Тор	Bottom	Contents
Surface	San Jose		
Ojo Alamo	1251	1336'	
Kirtland	1336'	1937'	gas
T/Fruitland	1937'		gas
B/Fruitland Coal	2097'		gas
Pictured Cliffs	2099'		_
Total Depth	2299'		

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: None

Mud Program:

<u>Interval</u>	Type 1	<u>Weight</u>	Vis. Fluid Loss
0- 120'	Spud air air mist	8.4-8.9	40-50 no control
120-2299'			30-60 no control

Casina Program:

Hole Size 8 } "	<u>Depth Interval</u> 0 - 120'	<u>Csg.Size</u> 7"	<u>W†.</u> 20.0#	<u>Grade</u> J-55
6 ¼"	0 - 2299'	4 1/2"	10.5#	J/K-55
Tubing Program:				

0 - 2299'

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 @ 1336'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1336'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

2 3/8"

4.7#

J-55

Wellhead Equipment: $7" \times 4 \frac{1}{2}" \times 2 \frac{3}{8}" \times 11" 2000$ 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 42 sx Type III cement with 0.25 pps Celloflake, 3% CaCl. (54 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 108 sx (230 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 354 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 east half of the section is dedicated to this well.
- * New casing will be utilized.
- * Pipe movement (either rotation or reciprocation) will be done if hole conditions permit.

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

3000 psi System **Drilling Rig**

BURLINGTON RESOURCES



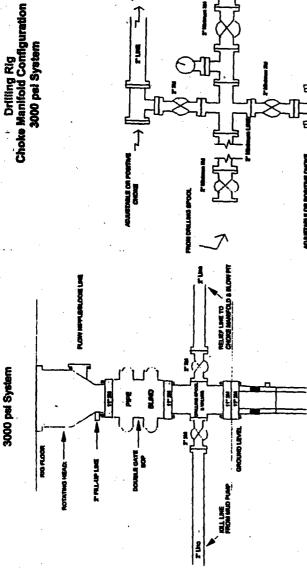


Figure #1

10-02-4

Choke mentickt installation from Burtace Ceeing Point to Total Depth. 3,000psi working pressure equipment with two chokes.

Figure #2

ssure double gate BOP to be equipped with blind and pipe rams. A stripping head to be installed on the top of Whimum BOP Installation for all Completion/Workove parations. 7-1/16" bore, 3000 pei minimum working pressure or greater excluding 500 psi stripping head. the BOP. All BOP equipment is 3000 pel working Figure #3

4-20-01