UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENTEER 7 FM 9 40

	APPLICATION FOR	R PERMIT TO DRILL, DEEPEN	OR PUIG RACKO
		TO DILLE, DELI EN	RECEIVED AND
1a.	Type of Work DRILL	TO THE STATE OF THE PARTY OF TH	(57 (Lease Number Number NMSF-078138 Unit Reporting Number
1b.	Type of Well GAS	APR 2006 RECEIVE ON. 3	6. If Indian, All. or Tribe
2.	Operator BURLINGTON RESOURCES Oil & Gas Co	OB. OR	7. Unit Agreement Name
3.	Address & Phone No. of Operator PO Box 4289, Farmington	- NM 97499	8. Farm or Lease Name Morris Com
	PO BOX 4209, Farmington	u, Mm 0/299	9. Well Number
	(505) 326-9700		104s
4.	Location of Well Unit E (SWNW), 1540' FNL	& 760' FWL,	10. Field, Pool, Wildcat Basin FC / Aztec PC
	Latitude 36° 47.1760'N		~11. Sec., Twn, Rge, Mer. (NMPM) ~ Sec. 28, T30N, R11W
	Longitude 108° 00.1034'W		API # 30-045- 33579
14.	Distance in Miles from Nearest Tov	vn	12. County 13. State San Juan NM
15.	Distance from Proposed Location to	o Nearest Property or Lease Line	
16.	Acres in Lease	•	17. Acres Assigned to Well FC- W/2 - 317.07 acres PC - \$W/4, 158.250 acres
18.	Distance from Proposed Location to	o Nearest Well, Drig, Compl, or	
19.	Proposed Depth 2390'		20. Rotary or Cable Tools Rotary
21.	Elevations (DF, FT, GR, Etc.) 5883' GL		22. Approx. Date Work will Start
23.	Proposed Casing and Cementing Pr See Operations Plan att		
24.	Authorized by: Sr. Regulator	MSA- ry Specialist	2/6/06 Date
PERM	IT NO.	APPROVAL DA	TE
APPR	OVED BY Allanko	TITLE AM	DATE 4//9/0
	eological Report attached tened and Endangered Species Report	attached	

Not an HPA FC Well DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH 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 Company of

DISTRICT I 1625 N. French Dr., Hobbs, N.M. 68240

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., Aztec, N.M. 87410

¹ APl Number

30-045-

⁴Property Code

OGRID No.

18932

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

71629/71280

WELL LOCATION AND ACREAGE DEDICATION PLAT

⁵Property Name

⁸Operator Name

MORRIS COM

Submit to Appropriate District Office State Lease - 4 Copies

Basin Fruitland Coal/ Aztec Pictured Cliffs

Fee Lease - 3 Copies

□ AMENDED REPORT

6 Well Number

⁰ Elevation

104S

DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87505

	14538	BURLINGTON RESOURCES OIL AND GAS COMPANY LP			5	883'					
	¹⁰ Surface Location										
	UL or lot no. E	Section 28	Township 30-N	Range 11-W	Lot Idn	Feet from the 1540'	North/South line NORTH	Feet from 760			County SAN JUAN
				11 Botto	m Hole	Location 1	If Different Fro	om Sur	face		
	UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from	m the East/We	st line	County
FC PC	317. 07 W 158: 850 NE	1 72 NW),4((SWNW),5	ss Joint or 1	infill	¹⁴ Consolidation	Code	¹⁵ Order)	No.		
	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										
	760' LOT 4		LAT: 3647.1 LONG: 106'0 NAD 1927 LOT	3 760' N. 0.1034' W.		LOT 2	LOT 1	4 8 1	I hereby certify that is true and complete belta? Signature manda Sande Printed Name (egulatory) Title -18-06	the information the best	and there and
	LOT 11	9	LOT	10		LOT 9 OT 14	LOT 15	I sud	Date 18 SURVEYO heroby certify that the se plotted from field is or under my superior d correct to the best	e well location notes of acts rision, and ti of my belief	hat the same to true
	LOT 12			LOT 13				- 	ertificate Number		15703

	State of New Mexico	Form C-103
Office District I	Energy, Minerals and Natural Resources	May 27, 2004
• 1625 N. French Dr., Hobbs, NM 88240		WELL API NO. 22500
<u>District II</u> 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATION DIVISION	30-039
District III	1220 South St. Francis Dr.	5. Indicate Type of Lease STATE FEE
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, NM 87505	6. State Oil & Gas Lease No.
District IV	Santa Pe, NWI 87303	o. State on & ous Bease No.
1220 S. St. Francis Dr., Santa Fe, NM 8750		SF-078424
	ES AND REPORTS ON WELLS TO DRILL OR TO DEEPEN OR PLUG BACK TO A	7. Lease Name or Unit Agreement Name
DIFFERENT RESERVOIR. USE "APPLICATION		San Juan 29-7 Unit
PROPOSALS.)		
1. Type of Well:		8. Well Number
Oil Well Gas Well X	Other	#50M
2. Name of Operator	IDCES OIL & GAS COMPANY LD	9. OGRID Number
3. Address of Operator	URCES OIL & GAS COMPANY LP	10. Pool name or Wildcat
•	EET, FARMINGTON, NM 87402	Basin DK / Blanco MV
4. Well Location		
Unit Letter O : 7 Section 20	35' feet from the South line and Township 29N Rng 7W	1445' feet from the <u>East</u> line NMPM County Rio Arriba
	Elevation (Show whether DR, RKB, RT, GR, etc.)	NOTIVE COURTY RIGARIDA
	6792' GL	
Pit or Below-grade Tank Application	or Closure	2300
Pit type New Drill Depth to Groundwa	ter >100' Distance from nearest fresh water well	>1000' Distance from nearest surface water 1000'
Pit Liner Thickness: n/a	mil Below-Grade Tank: Volume	bbls; Construction Material
12. Check A	appropriate Box to Indicate Nature of No	tice. Report or Other Data
NOTICE OF IN		SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK	PLUG AND ABANDON REMEDIA	
TEMPORARILY ABANDON	CHANGE PLANS COMMEN	CE DRILLING OPNS. P AND A
PULL OR ALTER CASING	MULTIPLE COMPL CASING/O	CEMENT JOB
	—	
OTHER: New I	Drill X OTHER:	П
	Drill X OTHER: d operations. (Clearly state all pertinent details, and	give pertinent dates, including estimated date
13. Describe proposed or complete of starting any proposed work).		
13. Describe proposed or completed	d operations. (Clearly state all pertinent details, and	
13. Describe proposed or complete of starting any proposed work).	d operations. (Clearly state all pertinent details, and	
13. Describe proposed or complete of starting any proposed work).	d operations. (Clearly state all pertinent details, and	
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13. Describe proposed or completed of starting any proposed work). or recompletion. New Drill, Unlined:	d operations. (Clearly state all pertinent details, and a SEE RULE 1103. For Multiple Completions: Attack	ch wellbore diagram of proposed completion
Describe proposed or completer of starting any proposed work). or recompletion. New Drill, Unlined: Burlington Resources proposes to constant of the proposes to constant of the proposes.	d operations. (Clearly state all pertinent details, and a SEE RULE 1103. For Multiple Completions: Attainment of the Att	ch wellbore diagram of proposed completion pit. Based on Burlington's interpretation of the
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PIPLINES OF CABLES ON WELL PAD AND OF ACCESS FOAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

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

NOTE. VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND VILLITIES OR PIPELINES.

NADZI

108' 00.1034' W

LONGITUDE

36. 47.1760' N

LATITUDE

305' X 340' = 2.38 ACRES **₹**⊙ **W** Wellhead to side ,09 110, DIKE AN CO $\vec{\varphi}^{\bigodot}$ 110, GROUND **20, CONSTRUCTION ZONE**

- & GAS COMPANY LP

BURLINGTON RESOURCES OII

MORRIS COM 1045.

RESERVE PIT DIKE. TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).

MORRIS COM 104S, 1540' FNL & 760' FWL SECTION 28, T-30- N, R-11-W, NMPM, SAN JUAN COUNTY, NM GROUND ELEVATION: 5883', DATE: DECEMBER 1, 2005 BURLINGTON RESOURCES OIL & GAS COMPANY LP

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

OPERATIONS PLAN

Well Name:

Morris Com #1045

Location:

Unit E (SWNW), 1540' FNL & 760' FWL, Section 28, T30N, R11W

San Juan County, New Mexico

Latitude 36° 47.1760'N Longitude 108° 00.1034' W

Formation:

Basin Fruitland Coal / Aztec Pictured Cliffs

Elevation:

5883' GR

Formation:	Тор	Bottom	Contents
Ojo Alamo	808'	895'	aguifer
Kirtland	895'	1940'	gas
T/Fruitland	1940'		gas
B/Fruitland	2185'		gas
Pictured Cliffs	2190'		
Total Depth	2390'		

Logging Program: None

Mud Program:

Interval	Type	Weight	Vis. Fluid Loss
0- 120'	Spud/Air/Air Mist	8.4-8.9	40-50 no control
120-2390'	Non-dispersed	8.4-9.5	30-60 no control

Casing Program:

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csq.Size</u>	<u>W†.</u>	<u>Grade</u>
8 3 "	0 - 120'	7 "	20.0#	J-55
6 1 "	0 - 2390'	4 1/2"	10.5#	J/K-55

Tubing Program:

0 - 2390'	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 @895'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 895'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

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, 1,28 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 114 sx (243 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 367 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 and Pictured formations will be completed.
- * Anticipated pore pressure for the Fruitland Coal is 600 700 psi.
- * This gas is dedicated.
- * The west half of the section is dedicated to the FC, and the NW/4 of the section is dedicated to the PC for this well.
- * New casing will be utilized.
- * Pipe movement (either rotation or reciprocation) will be done if hole conditions permit.

Drilling Engineer Date

Orilling Rig Chote Manifold Configur 2000 pei System

Burlington Resources

2000 pai System Drilling Rig

T PILLUP LINE

Figure #3

4-20-01

Figure 21

ressure or greater exchading 500 pai stripping head. to BOP. All BOP equipment is 2000 pai working James. 7-1/16" bores, 2000 ped milal e name. A stripging head to be insi ura daublé gata BOP to be equ Abhmum 60P installation for all Co

10-02-4