UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

	APPLI	CATION FOR PERMIT TO DRILL, I	DEEPEN, OR PLUG BACK
1a. 1b.	Type of Work DRILL Type of Well GAS	RECEIVED OTO FARMINGTON NM	5. Lease Number USA SF-078097 Unit Reporting Number 6. If Indian, All. or Tribe
2.	Operator BURLINGTON RESOURCES	Oil & Gas Company, LP	7. Unit Agreement Name
3.	Address & Phone No. PO Box 4289, (505) 326-970	Farmington, NM 87499	8. Farm or Lease Name Heaton 9. Well Number #100
4.	Location of Well Unit L(NWSW), 1	405' FSL & 1170' FWL	10. Field, Pool, Wildcat Basin FC/F欧yMev FS
	Latitude 36° 51 Longitude 108°		11. Sec., Twn, Rge, Mer. (NMPM) L Sec. 33, T31N, R11W API # 30-045-343
14.	Distance in Miles from	n Nearest Town	12. County 13. Stat San Juan NM
15.	Distance from Propos	ed Location to Nearest Property or Le	ease Line
16.	Acres in Lease		17. Acres Assigned to Well FC 320 (W/2) FS 160 (SW/4
18.	Distance from Propos 97' from Heaton	ed Location to Nearest Well, Drlg, Co.	ompl, or Applied for on this Lease
19.	Proposed Depth 2518'		20. Rotary or Cable Tools Rotary
21.	Elevations (DF, FT, G 5808' GL	R, Etc.)	22. Approx. Date Work will Start RCVD AUG 1
23.	Proposed Casing and See Operation	Cementing Program s Plan attached	OIL CONS. I Dist. 3
24.	Authorized by: OR Rhond	Aprela Social Regulatory Technic	7-26-07
PERM	IT NO.	APPRO	VAL DATE
APPRO	OVED BY	an less way TITLE At	DATE 8/10/2
Threat NOTE: Title 18 United	8 U.S.C. Section 1001, mal	pecies Report attached u of U.S. BLM Form 3160-3 Res it a crime for any person knowingly and or fraudulent statements or presentations.	

This action is subject to technical **and** procedural review pursuant to 43 CFR 3165 3 and appeal pursuant to 43 CFR 3165 4

NMOCD 5-17-07

DISTRICT I 1625 N. French Dr., Hobbs, N.M. 88240 State of New Mexicon JUL 26 Energy, Minerals & Natural Resources Department, PM 3 54 Form C-102 Revised October 12, 2005

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

CONSERVATION DIVISION RECEDENTIFIC Appropriate District Office 1220 South St. Francis DO70 FARMINGTON NMFee Lease - 4 Copies Santa Fe, NM 87505 OIL CONSERVATION DIVISION

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

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 AP1 N	./ > 0.0	Pool Code			Pool Name J				٠		
30-049	4377	· 71	629/7/6	570	Basin FRUITIAND COAL, FARMER FMHA						
Property Co.				⁵ Property	Neme	° Well H			fell Humber		
7105					HEATON				100		
OGRID No.			*Operator Name						* Elevation		
14538		BURLINGTON RESOURCES OIL AND GAS COMPANY LP					5808				
¹⁰ Surface Location											
UL or lot no.	Section Township Range Lot idn Fest from the North/South line Fest from the East/West line							County			
L	33	31-N,	11-W		1405'	SOUTH	1170'	WES	ST	san Juan	
"Bottom Hole Location If Different From Surface											
UL or lot no. Section Township Range		lot ldn	Feet from the	cel from the North/South line Feet from		East/West line		County			
L		<u> </u>									
Dedicated Acres 160 320.0	7/4 W/2	"Joint or	Joint or infill "Consolidation Code			¹⁸ Order, No.			•		
NO ALLOWA	DIE W	III DE A	SCICNEL	יים אינו	COMPLETE	ON TINITIT ATT	INTEDESTS I	TAVE B	DEN C	ONSOI IDATED	

16	OR A NON-STAN	ndard unit has b	EEN APPROVED B	Y THE DIVISION
USA SK-OTBOST		LOT 2	LOT 1	I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this erganization either runns a working interest or uniqueed mineral interest in the land sinciving the proposed bettern hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or a working interest, or to a voluntary pooling agreement or a compulsory pooling order hereinforce entered by the division. **Interest Plants** **English Research** **English Res
USA	3	 3		Regulatory Technician
1405, 1005,	TEE -	LAT: 36'51.1269' N. LONG: 108'00.0263' W. NAD 1927 LAT: 36.852118' N. LONG: 108.001061' W. NAD 1983		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 is true and correct to the best of my belief. Date of Sursey ME Signature and fearing rolesholus Surveyor. 15703
	\$ 41' 06'' \$ 2611.04'			Certificate Number 15703

Submit 3 Copies To Appropriate District Office	t Sta	ate of New Me	xico		Form C-103
District I	Energy, M	linerals and Natura	l Resources		May 27, 2004
1625 N. French Dr., Hobbs, NM 88240	-			WELL API NO.	20.045 3(127)
District II 1301 W. Grand Ave., Artesia, NM 8821	10 OIL CO	NSERVATION	DIVISION	5. Indicate Type of I	30-045- 3951
District III		0 South St. France		STATE [FEE
1000 Rio Brazos Rd., Aztec, NM 87410		anta Fe, NM 875		6. State Oil & Gas L	ease No.
District IV		,	•	Federal Le	ease # USA SF-078097
1220 S. St. Francis Dr., Santa Fe, NM 8 SUNDRY NO	OTICES AND REPORT	S ON WELLS		7. Lease Name or Un	nit Agreement Name
(DO NOT USE THIS FORM FOR PROPOS.	ALS TO DRILL OR TO DEE	PEN OR PLUG BACK	O A	7. Zeuse Hame of Ch	
DIFFERENT RESERVOIR. USE "APPLICATION PROPOSALS.)	ATION FOR PERMIT" (FOR	M C-101) FOR SUCH			Heaton
1. Type of Well:				8. Well Number	
	X Other			0. 17 0	#100
2. Name of Operator				9. OGRID Number	•
3. Address of Operator	RESOURCES OIL & G	AS COMPANY LP		10. Pool name or Wi	14538
•	STREET, FARMINGT	ON, NM 87402		4	Basin FC/FS
4. Well Location					
Unit Letter L : Section 33	1405' feet from		line and Eng 11W	1170' feet from	
	Townshi 11. Elevation (Show wh			NMPM	County San Juan
		5808'			
Pit or Below-grade Tank Application	or Closure				
Pit type New Drill Depth to Grou	ndwater >100 Disc	ance from nearest fresh	water well	>1000 Distance from	om nearest surface water >1000
Pit Liner Thickness: N/A	mil Below-	Grade Tank: Vol	ume	bbls; Construction	on Material
	ck Appropriate Bo	x to Indicate N	ature of Noti	ce, Report or Othe	er Data
NOTICE OF	INTENTION TO:			SUBSEQUENT F	REPORT OF:
PERFORM REMEDIAL WORK	PLUG AND ABAN	DON	REMEDIAL		ALTERING CASING
TEMPORARILY ABANDON PULL OR ALTER CASING	CHANGE PLANS MULTIPLE COMP			CE DRILLING OPNS. EMENT JOB	P AND A
	New Drill	X	OTHER:		
 Describe proposed or comp of starting any proposed we 					
or recompletion.	ork). SEE ROLE 1105.	To Multiple Comp	netions. Attach	wendore diagram or pro	oposed completion
New Drill, Unlined:					
Burlington Resources proposes to	construct a new drillin	g pit, an associated v	ent/flare nit and	a pre-set mud pit (if re	ouired) Based on Burlington's
interpretation of the Ecosphere's					
Burlington's Revised Drilling / W	orkover Pit Construction	on / Operation Proces	lures dated Nove	ember 11, 2004 on file	at the NMOCD office. A portion
of the vent/flare pit will be design					
anticipates closing these pits acco	ording to the Drilling / V	Vorkover Pit Closure	Procedure dated	I August 2, 2004 on file	e that the NMOCD office.
			`		
		,*			
I hereby certify that the information	•		* —	•	_
grade tank has been/will be constructed or	closed according to NMOC	U guidelines [], a gene	ral permit X	or an (attached) alternati	ve UCD-approved plan
SIGNATURE SAM	A home	TITLE	Damil	atory Technician	DATE 7-25-07
SIGNATURE JUGAN	to the	IIILE	Kegui	atory rechineran	DATE / 6/2 0 /
Type or print name Rh	onda Rogers	E mail address:	ondon (Warrano	cophillips.com Teleph	one No. 505-599-4018
For State Use Only	oned wegers	_ L-man address.	ogens@conoc	Jopannipo.com recepti	0110

Deputy Oil & Gas Inspector,
District #3

DANG 2 3 2007

APPPROVED BY
Conditions of Approval (if any):



PROJECT PROPOSAL - New Drill / Sidetrack

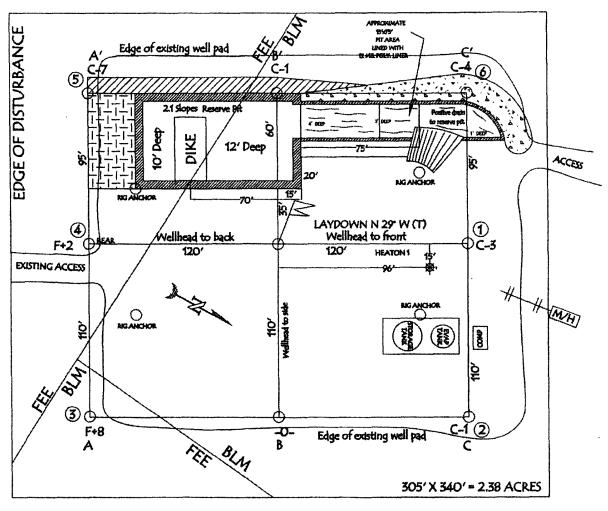
San Juan Business Unit

DEVELOPMENT

HEATON 100

Lease:					FE #: WA	N.CDR.	7088			A	FE \$:
Field Name: hBR	_san Juan		Rig:	Aztec Rig 580			State:	NM	County: SAN JUAN	Α	PI #:
Geologist: Phone:				e:		Geophysicist: Pho				Phon	e:
Geoscientist: Clark, Dave D Phone:				e: 505-326-976	62	Prod. Engineer: Phone:					e:
Res. Engineer: _{Sc}	hlabaugh,	Jim L	Phone	e: 505-326-978	88	Proj. I	ield Lead:			Phon	e:
Primary Objecti	ve (Zones): · · · · · · ·				7 . Y					
Zone	Zone Nam							errendings o	ooding of the second of the se	Control della Zillia Parisi	A CONTRACTOR OF STREET
2035	FRUITLAN	D COAL			1						
RC0087	FRUITLAN	D SAND(RC	0087)		1						
Location: Surface Datum Code: NAD 27											
Location: Surface	ar again a stainnis c	eaughter the singlesses	\$6.30mg #P. B. C. R.	A THE PARTY OF THE					T		Straight Hole
Latitude: 36.8521		gitude: -10		X:		Y:			Section: 33		Range: 011W
Footage X: 1170	FWL Foo	tage Y: 140	5 FSL	Elevation: 58	808	(FT)	Township:	031	\		
Tolerance:											
Location Type: Ye	ear Round		Start	Date (Est.):		Con	npletion Da	ate:	Date I	n Opera	ation:
Formation Data:	Assume K	B = 5820	Units =	= FT	,						
Formation Call & Casing Points											
Surface Casing	and the control of th							ent with 50 cuft.			
OJO ALAMO		857	4963	3 🗆	,						
KIRTLAND		886	4934	4							
FRUITLAND		1931	3889	• 🗆			Gas			,	
PICTURED CLIFFS		2318	3502	2 🔲	250		Gas				
Total Depth		2518	3302	2 🗆					1/2" 10.5 ppf, J-55, Si cement to surface.	TC casi	ng. Cement with 387
Reference Wells	:						417/5			X 17	
Reference Type	Well Name	9		Comments							
Logging Programs Intermediate Logs: Loq only if show GR/ILD Triple Combo											
TD Logs:	☑ Triple	Combo	Dipmete	er RFT [] Sonic [J VSP	☐ TDT	2	Other		
GR/CBL. Platform Express from TD to minimum operations depth.											
Additional Information:											
Log Type	Stage	Fr	om (Ft)	To (Ft)		Tool '	Type/Nam	e	Remarks		
9 - 1	1 3-	1	(* •)	1.4.4		1.30.	. , p =		1		
				,							

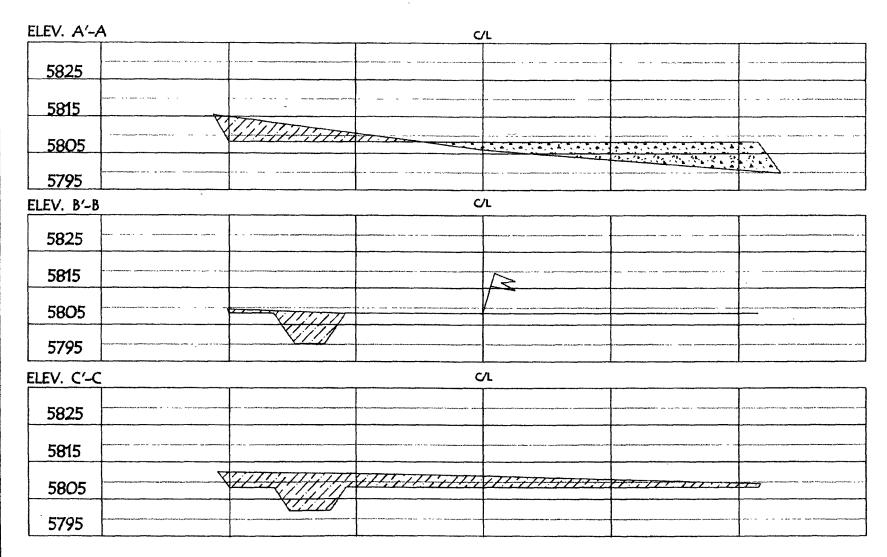
BURLINGTON RESOURCES OIL & GAS COMPANY LP HEATON 100, 1405' FSL & 1170' FWL SECTION 33, T-31- N, R-11-W, NMPM, SAN JUAN COUNTY, NM GROUND ELEVATION: 5808', DATE: MARCH 14, 2007



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

LATITUDE: 36° 51.1269' N LONGITUDE: 108° 00.0263' W NAD2

BURLINGTON RESOURCES OIL & GAS COMPANY LP HEATON 100, 1405' FSL & 1170' FWL SECTION 33, T-31- N, R-11-W, NMPM, SAN JUAN COUNTY, NM GROUND ELEVATION: 5808', DATE: MARCH 14, 2007



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.