BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND

DEPARTMENT OF THE INTERIORPERATOR FROM OBTAINING ANY OTHER BUREAU OF LAND MANAGEMENTUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1	T		P 1 N. J.	
1a.	Type of Work DRILL	REGEIWED	5. Lease Number USA SF-080511	
	<u>-</u> -	OCT 1 0 2007	Unit Reporting Nu	mber
1b.	Type of Well	Bureau of Land Management	6. If Indian, All. or To	ibe in time a in-
	GAS	Famington Field Office		OIL COMS. DIV.
2.	Operator		7. Unit Agreement N	ame
	BURLINGTON RESOURCES O	l & Gas Company, LP		DIST. 3
3.	Address & Phone No. of	Operator	8. Farm or Lease Na	ne
	PO Box 4289, Fa	rmington, NM 87499	Harrington	
	(505) 326-9700		9. Well Number #9M	
4.	Location of Well		10. Field, Pool, Wilde	nat
<b></b>	Unit A(NENE), 670	' FNL & 815' FEL	Blanco MV/Basi	
	Surf: Latitude 36		11. Sec., Twn, Rge, I	
	Longitude 107° 36	.583487 W	73	00001
			API # 30-03	<sup>39</sup> 30396
14.	Distance in Miles from N	earest Town	12. County	13. State
	26 mile/Blanco		Rio Arriba	NM
15.	Distance from Proposed 670'	Location to Nearest Property or Lease L		
16.	Acres in Lease		17. Acres Assigned	o Well
	641.6		MV/DK 320 (E/2)	
18.	Distance from Proposed 990' from Harring	Location to Nearest Well, Drlg, Compl, o	or Applied for on this Leas	е
19.	Proposed Depth		20. Rotary or Cable	Tools
	7458		Rotary	
21.	Elevations (DF, FT, GR, 6675' GL	Etc.)	22. Approx. Date W	ork will Start
23.	Proposed Casing and Ce See Operations			
24.	Authorized by: Rhonda	and tores. Rogers (Regulatory Technician	/ <i>D- 0</i> Dat	-07 e
		- 0-		
PERMI	T NO.	APPROVAL I	DATE	
APPRO	OVED BY	to TITLE Pelme	AFM - DATE	10/3/07
	eological Report attached		TIFY AZTEC O	CD 24 HRS
	ened and Endangered Spec This format is issued in lieu o	ies neport attached		-
Jnited	States any false, fictitious or f	raudulent statements or presentations as to	any matter within its jurisdict	on.
Exan	nple Master Plan Typ	e 4 Bond Numbers NMB	8-000015 and NMB	000089

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

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

DISTRICT 1

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Río Brazos Rd., Aztec, NM 87410

District IV

1220 S St. Francis Dr., Santa Fc, NM 87505

#### State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION State Lease - 7 Copies

Santa Fe, NM 87505

OCT 1 0 2007

Form C-102

Revised October 12, 2005

Fee Lease - 3 Copies

☐ AMMENDED REPORT

# Bureau of Land Management WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number <sup>2</sup> Pool C 30-039-3039 72319/				1001 Code					
<sup>4</sup> Property Code					5 Proper	ty Name INGTON			<sup>8</sup> Well Number 9 <b>M</b>
OGRID No.				8 Operator Name I RESOURCES OIL AND GAS COMPANY			<sup>9</sup> Elevation 6675		
					10 SURFACE	LOCATION			
UL or lot no.	Section 31	Township 27-N	Range 7-W	Lot Idn	Feet from the 670	North/South line NORTH	Feet from the 815	East/West line EAST	County RIO ARRIBA
			11 E	Bottom H	ole Location	If Different Fro	m Surface		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 320 E/	1	or Infill	Consolidation	Code	Order No.	<u> </u>		<u> </u>	

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

N 89*10'00" W S 89*15'04" E	NAD 83 LAT: 36.534840° N LONG: 107.610333° W NAD 27 LAT:36°32.089862' N		315°	OPERATOR CERTIFICATION  I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land inchanting the propused bottom 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 working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofure entered by the division.  Signoture  Rhonda Rogers  Printed Name  Regulatory Technicain  Title and E-mail Address
			83.3°	Dote  18 SURVEYOR CERTIFICATION
	USA SF- SECTIO	080511 ON 31,	N 0'25'00" E S 0'19'56" W	I hereby certify that the well location shown on this plat was plotted from feild 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 Survey: 6/22/07 Signature and Seat of Professional Surveyor:
	1-27-N,	R-7-W		ST STOADHURS STORY
				Certificate Number: NM 11393
		WELL FLAG NAD 83 LAT: 36.534840° N LONG: 107.610333° W NAD 27 LAT:36°32.089862' N LONG: 107°36.583487' W  E/2 DEDICATE USA SF- SECTIO	WELL FLAG NAD 83 LAT: 36.534840° N LONG: 107.610333° W NAD 27 LAT:36°32.089862' N	WELL FLAG NAD 83 LAT: 36.534840° N LONG: 107.610333° W NAD 27 LAT:36°32.089862' N LONG: 107°36.583487' W  E/2 DEDICATED ACREAGE USA SF-080511 SECTION 31, ZU

Office	State of New			Form C-103
District I	Energy, Minerals and N	atural Resources	WELL API NO.	May 27, 2004
<u>District II</u> 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATION	ON DIVISION	30-0 5. Indicate Type of Lease	39-30396
<u>District III</u>	1220 South St. F		STATE	FEE
1000 Rio Brazos Rd., Aztec, NM 87410 District IV	Santa Fe, NM	87505	6. State Oil & Gas Lease No USA SF-0	l l
1220 S. St. Francis Dr , Santa Fe, NM 8750				,
SUNDRY NOT I	CES AND REPORTS ON WELLS 5 TO DRILL OR TO DEEPEN OR PLUG B.		7. Lease Name or Unit Agree	ement Name
DIFFERENT RESERVOIR. USE "APPLICATION PROPOSALS")	ON FOR PERMIT" (FORM C-101) FOR SU	JCH	Harrin	gton
1. Type of Well:			8. Well Number	
Oil Well Gas Well X  2. Name of Operator	Other		9M 9. OGRID Number	
BURLINGTON RES	OURCES OIL & GAS COMPANY	/ LP	9. OGRID Number 1453	38
3. Address of Operator 3401 E 30TH ST	REET, FARMINGTON, NM 8740	,	<ol> <li>Pool name or Wildcat Blanco Mesa Verd</li> </ol>	le/Rasın Dakota
4. Well Location				
Unit Letter A : :	670' feet from the North Township 27N	ı line and Rng 7W	815' feet from the	East line ty Rio Arriba
	Elevation (Show whether DR, RKB)			
Pit or Below-grade Tank Application	or Closure 6675'	GL		
Pit type New Drill Depth to Groundw	vater >100 Distance from nearest	fresh water well	>1000 Distance from neare	st surface water >1000
Pit Liner Thickness: 12	mil Below-Grade Tank:	Volume	bbls; Construction Materi	al
	Appropriate Box to Indicat ITENTION TO: PLUG AND ABANDON CHANGE PLANS MULTIPLE COMPL	REMEDIAL COMMENC	SUBSEQUENT REPO	
OTHER: New	Drill [2	OTHER:	No.	
	ed operations. (Clearly state all pert). SEE RULE 1103. For Multiple 0			
New Drill, Lined:				
New Drill, Lined:  Burlington Resources proposes to contemperation of the Ecosphere's risk Drilling / Workover Pit Construction will be designed to manage fluids an according to the Drilling / Workover	ranking criteria, the new drilling pind / Operation Procedures dated Noved that portion will be lined as per the	it and pre-set mud pit vember 11, 2004 on file e risk ranking criteria.	will be lined pits as detailed in at the NMOCD office. A por Burlington Resources antici	n Burlington's Revised tion of the vent/flare pit
Burlington Resources proposes to continterpretation of the Ecosphere's risk Drilling / Workover Pit Construction will be designed to manage fluids an according to the Drilling / Workover	ranking criteria, the new drilling pi A / Operation Procedures dated Nove d that portion will be lined as per th Pit Closure Procedure dated Augus ve is true and complete to the best of	it and pre-set mud pit vember 11, 2004 on file e risk ranking criteria. It 2, 2004 on file at the	will be lined pits as detailed in at the NMOCD office. A por Burlington Resources antici NMOCD office	n Burlington's Revised rtion of the vent/flare pit pates closing these pits
Burlington Resources proposes to co interpretation of the Ecosphere's risk Drilling / Workover Pit Construction will be designed to manage fluids an according to the Drilling / Workover	ranking criteria, the new drilling pi A / Operation Procedures dated Nove d that portion will be lined as per th Pit Closure Procedure dated Augus ve is true and complete to the best of	it and pre-set mud pit vember 11, 2004 on file e risk ranking criteria. t 2, 2004 on file at the of my knowledge and by a general permit	will be lined pits as detailed in at the NMOCD office. A por Burlington Resources antici NMOCD office	n Burlington's Revised rtion of the vent/flare pit pates closing these pits
Burlington Resources proposes to continterpretation of the Ecosphere's risk Drilling / Workover Pit Construction will be designed to manage fluids an according to the Drilling / Workover  I hereby certify that the information aborder tank has been/will be constructed or closes SIGNATURE	ranking criteria, the new drilling ping / Operation Procedures dated Noved that portion will be lined as per the Pit Closure Procedure dated August over its true and complete to the best of ed according to MOCD guidelines,	at and pre-set mud pit vember 11, 2004 on file e risk ranking criteria. It 2, 2004 on file at the et a. 2, 2004 on file at the et a. 2 a general permit X	will be lined pits as detailed in at the NMOCD office. A por Burlington Resources antici NMOCD office  relief. I further certify that any pi or an (attached) alternative OCD-	it or below- approved plan  DATE
Burlington Resources proposes to continterpretation of the Ecosphere's risk Drilling / Workover Pit Construction will be designed to manage fluids an according to the Drilling / Workover  I hereby certify that the information aborder tank has been/will be constructed or closes SIGNATURE	ranking criteria, the new drilling ping / Operation Procedures dated Noved that portion will be lined as per the Pit Closure Procedure dated August over its true and complete to the best of ed according to MOCD guidelines,	it and pre-set mud pit vember 11, 2004 on file e risk ranking criteria. It 2, 2004 on file at the of my knowledge and be a general permit X  Regula	will be lined pits as detailed in at the NMOCD office. A por Burlington Resources antici NMOCD office  relief. I further certify that any pior an (attached) alternative OCD-  attory Technician  ophillips.com Telephone No.	it or below- approved plan  DATE
Burlington Resources proposes to continterpretation of the Ecosphere's risk Drilling / Workover Pit Construction will be designed to manage fluids an according to the Drilling / Workover  I hereby certify that the information about grade tank has been/will be constructed or closed SIGNATURE  Type or print name Sasha	ranking criteria, the new drilling ping / Operation Procedures dated Noved that portion will be lined as per the Pit Closure Procedure dated August over its true and complete to the best of ed according to MOCD guidelines,	it and pre-set mud pit vember 11, 2004 on file e risk ranking criteria. It 2, 2004 on file at the of my knowledge and be a general permit X  Regula  SE Regula  SE Spangs@conoc  Deputy Oil	will be lined pits as detailed in at the NMOCD office. A por Burlington Resources antici NMOCD office  relief. I further certify that any pi or an (attached) alternative OCD-	it or below- approved plan  DATE



EXISITING WELLHEAD	Harringtor, F ? Salt.	G.B	POWER SQURCE	CABLE	NEW WELL	OVERHEAD A.C.
			BP	R.F.		
†		Enter	prise Ph			

6 CR 5412 BLOOMFIELD, N.M. 87413 OFFICE: 505-634-0271 CELL: 505-793-6953



# PROJECT PROPOSAL - New Drill / Sidetrack

## San Juan Business Unit

### **HARRINGTON 9M**

#### **DEVELOPMENT**

Lease:			<del>-  </del>	AF	E #: WAI	N.CDR.7			AFE \$:
Field Name: hBR	_SAN JUA	N	Rig: H	&P Rig 282			State: NM	County: RIO ARRIBA	API #:
Geologist:			Phone			Geoph	ysicist:	Pl	none:
Geoscientist: Ri	ley, Brool	(	Phone	+1 505-324-	6108	Prod. 6	Engineer:	Pl	none:
Res. Engineer: M	cKee, Cor	у ]	Phone	: 505-326-982	6	Proj. F	ield Lead:	Pl	none:
Primary Object	ive (Zon	es):							
Zone	Zone Na	ame							
FRR	BASIN D	AKOTA (PRORA	TED GAS	)					
RON	BLANCO	MESAVERDE (	PRORATE	D GAS)					,
Location: Surface	7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	and the same of th	<u> </u>	D 27					Straight Hole
Latitude: 36.5348	331 Lo	ongitude: -107.	609724	X:		Y:		Section: 31	Range: 007W
Footage X: 815 F	EL F	ootage Y: 670 F	-NL	Elevation: 667	75 (	(FT)	Township: 027N		
Tolerance:									
Location Type: Re	estricted		Start I	Date (Est.): 1/1	/2008	Com	pletion Date:	Date In O	peration:
Formation Data:	Assume	KB = 6687	Units =	FT					
Formation Call & Casing Points		Depth (TVD in F	SS t) (Ft)	Depletion (Yes/No)	BHP (PSIG)	внт		Remarks	
Surface Casing		320	6367						casing. Cement with 312
OJO ALAMO		2152	4534	П			cuft. Circulate	cement to surface.	
KIRTLAND		2153 2226	4534 4461						
FRUITLAND		2709	3978	==			Possible Gas		
PICTURED CLIFFS		2884	3803				1 033ibie Gus		
LEWIS		3030	3657						
HUERFANITO BEN	TONITE	3376	3311	ö					
CHACRA		3801	2886	ö					
MASSIVE CLIFF HO	OUSE	4539	2148	_	220		Gas		
MENEFEE		4587	2100	_					
MASSIVE POINT LO	OOKOUT	5211	1476						
MANCOS		5558	1129						
UPPER GALLUP		6339	348						
GREENHORN		7131	-444						
GRANEROS		7187	-500						
TWO WELLS		7238	-551		1700		Gas		
UPPER CUBERO		7342	-655						ĺ
LOWER CUBERO		7367	-680						
ENCINAL		7428	-741						
TOTAL DEPTH DK		7458	-771					-1/2", 10.6/11.6 ppf, J-55 192 cuft. Circulate cemen	
Reference Wells	<b>5</b> 1								
Reference Type	Well Na	me		Comments					

Printed on: 10/10/2007 12:59:35 PM



# PROJECT PROPOSAL - New Drill / Sidetrack

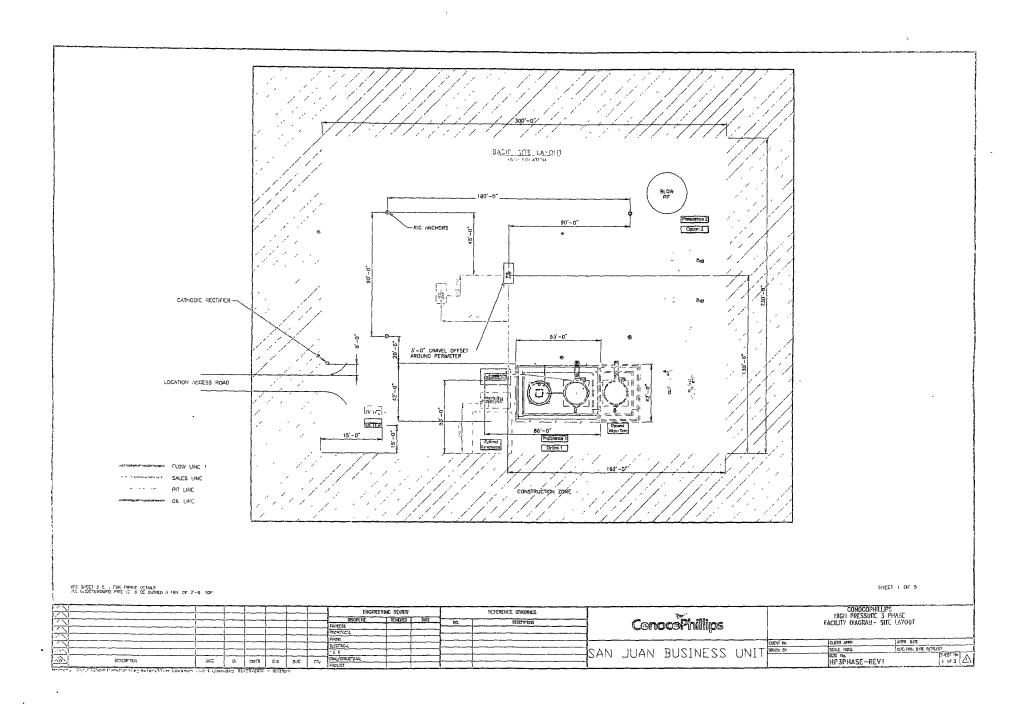
## San Juan Business Unit

HARRINGTO	N 9M		DEVELOPMENT				
Logging Prog	ram:						
Intermediate Lo		if show GR/ILD					
TD Logs:	☐ Triple C	ombo 🗌 Dipmeter	RFT S	onic VSP TDT V Oth	er		
	GR/CBL.						
Additional Infor	mation:						
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks		

Comments: Location/Tops/Logging - MVNM027N007W31NE2 DK 27N07W31NE1 Entire section in BLM wildlife project area, avoid G, not other twin options, prefer H,A,B, topo could be an issue.

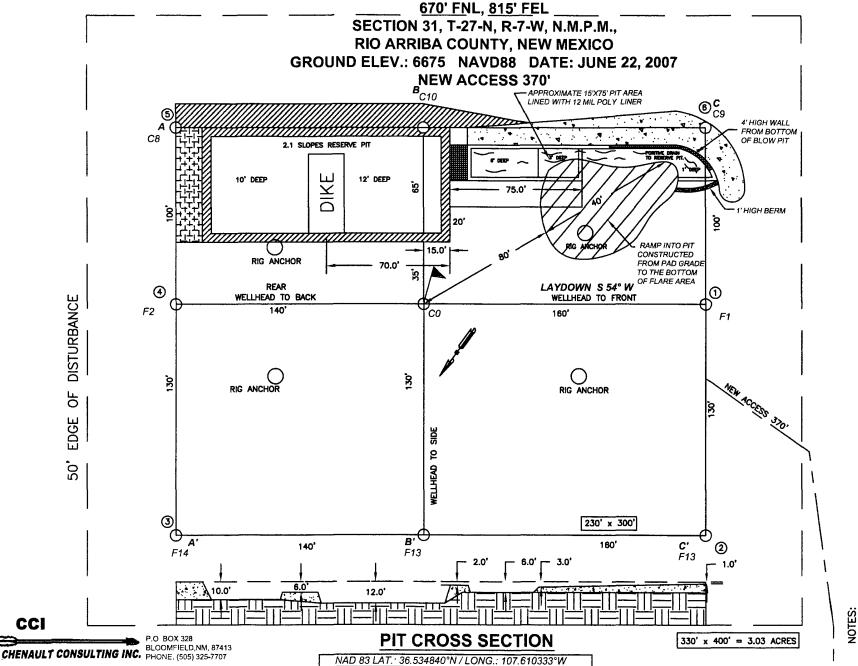
Zones - MVNM027N007W31NE2 DK 27N07W31NE1

Printed on: 10/10/2007 12:59:35 PM



# **BURLINGTON RESOURCES OIL AND GAS COMPANY LP**

**HARRINGTON 9M** 



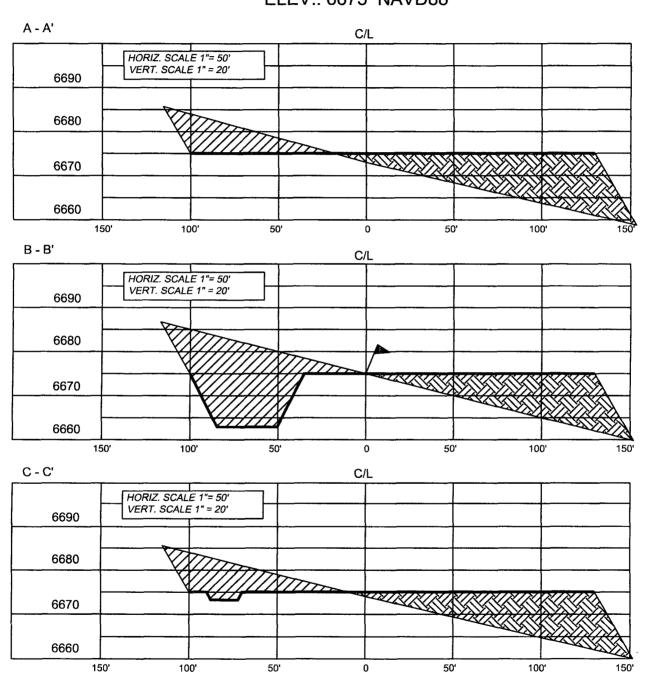
PRIOR TO CONSTRUCTION. ABOVE DEEP SIDE (OVERFLOW-3' WIDE AND 1' ABOVE SHALLOW SIDE) UNMARKED BURIED (2) WORKING DAYS œ DIKE: C.C.I. SURVEY: CONTRACTOR S PIPLINES OR ( ᆸ RESERVE

તં

# **BURLINGTON RESOURCES OIL AND GAS COMPANY**

HARRINGTON 9M 670' FNL, 815' FEL SECTION 31, T-27-N, R-7-W, N.M.P.M.,

RIO ARRIBA COUNTY, NEW MEXICO ELEV.: 6675 NAVD88



NOTE: CCI IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.

CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD PRIOR TO CONSTRUCTION.

REVISIONS							
NO.	DESCRIPTION	REVISED BY	DATE				
1	ISSUE FOR REVIEW	L.H.	6/22/07				
2	ACCESS CHANGE	TJR	8/20/07				

